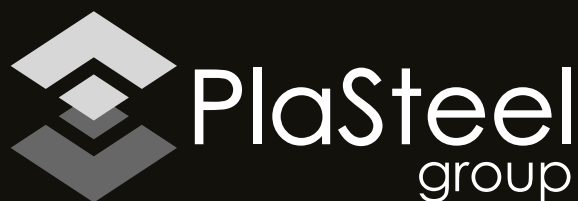




**CATALOGO GENERALE  
GENERAL CATALOGUE**

**Ranco** 



## I NOSTRI BRAND

**PlaSteel Group** nasce dalla passione per la ricerca dell'eccellenza volta a soddisfare al meglio ogni singola esigenza del cliente.

- **Ranco:** normalizzati ed elementi di guida per plastica e lamiera, autolubrificanti, componenti ingegnerizzati, particolari a disegno
- **iHR:** sistemi di iniezione e centraline di controllo per stampi a iniezione plastica, lavorazioni meccaniche di precisione
- **Tecnostar Group:** portastampi serie Europa, utensileria meccanica
- **Technology & Solutions:** macchine laser e accessori per saldatura, taglio, tempra, cladding, incisione e marcatura; elementi di lucidatura per stampi e meccanica
- **Promec Fittings:** innesti rapidi, raccordi, tubi flessibili e collettori specifici per il mondo del condizionamento degli stampi a iniezione

## OUR BRANDS

**PlaSteel Group** was born thanks to the passion for the pursuit of excellence aimed at satisfying every single customer need.

- **Ranco:** standard parts and guiding elements for injection moulds and die sets, self-lubricating and engineered components, customized parts
- **iHR:** injection systems and control units for plastic injection moulds, precision mechanics machining
- **Tecnostar Group:** European series mould bases, mechanical tools
- **Technology & Solutions:** laser machines and accessories for welding, cutting, hardening, cladding, engraving and marking; polishing elements for moulds
- **Promec Fittings:** hydraulic quick couplings, fittings, flexible hoses and specific collectors for thermoregulation of injection moulds





## RANCO, IL METODO ITALIANO DI FARE STAMPI

La Ranco Srl si propone come obiettivo la creazione di valore attraverso la fornitura di beni e servizi all'avanguardia per la massima soddisfazione del Cliente/Partner, con particolare specializzazione nel settore degli STAMPI a Iniezione di materiale plastico, Pressofusione di alluminio e Tranciatura dei metalli.

### La Storia:

La Ranco Srl nasce nel 2007 come naturale evoluzione dell'esperienza nel settore degli stampi da parte del socio fondatore, che ha iniziato il suo percorso professionale come tecnico-commerciale nel 1991. Siamo oggi orgogliosi di essere una struttura di oltre 25 risorse e di puntare sui giovani e sul loro coinvolgimento per lo sviluppo futuro; siamo certi che riceveremo più di quanto investiremo così come è stato per tutti i colleghi che lavorano con noi.

### Competenze e professionalità:

Il nostro staff è in grado di interfacciare tutte le richieste dei nostri clienti/partner, che possono contare sulla professionalità e competenza maturata in tanti anni di esperienza.

Al fine di aumentare ulteriormente l'efficacia della nostra consulenza e assistenza tecnica stiamo realizzando una specializzazione interna per settori.

### Vasto assortimento:

Disponiamo di un vasto assortimento di prodotti pubblicati sul nostro e-commerce ([www.ranco.biz](http://www.ranco.biz)).

Il nostro obiettivo in termini di prodotti offerti è quello di essere dinamici, cercando di anticipare il mercato, e questo ci porta ad ampliare regolarmente la nostra offerta, grazie al costante aggiornamento tecnico che perseguiamo.

### Qualità e risparmio:

Non rincorriamo il minor prezzo di offerta, ma il corretto mix fra costo e qualità del singolo articolo. Testiamo i nostri prodotti per qualità dei materiali e per caratteristiche meccaniche. Per questo ci siamo certificati ISO 9001 cercando il continuo miglioramento dei processi di controllo.

## RANCO, THE ITALIAN WAY OF MAKING MOULD

Ranco Srl has set itself the objective of creating excellent standards of value through the supply of avant-garde goods and services. Our company aims to provide its Clients/Partners with the greatest possible levels of satisfaction thanks to its high degree of specialization in the injection moulding and die set sectors.

### The Company's history:

Ranco Srl appeared on the scene in 2007 following a natural process of evolution in the injection moulding sector undergone by its founder partner who had begun his career as a technician and sales professional in 1991. Today we are proud to be a structure with more than 25 members of staff which targets young people and their involvement for our future development. We are confident that the benefits to be gained from this policy will be greater than our initial investment as has proved to be the case with all the colleagues that work with us.

### Competence and professional skills:

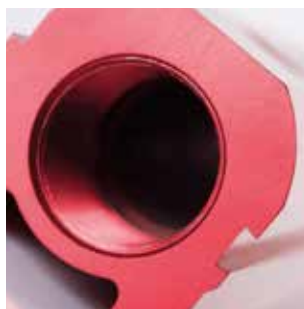
Our staff is able to interface with every request made by our clients/partners who can thus count on professional skills and competence built up through many years of experience. We are also creating an internal system of specialization in the various sectors in order to further increase our efficiency in the areas of consultation and technical assistance.

### Vast range of products:

We have a vast range of products published on our e-commerce website ([www.ranco.biz](http://www.ranco.biz)). Our objective, in relation to the products we offer, is to be dynamic and ahead of the market and this leads to a regular increase in our products thanks to the constant technical updates that we carry out.

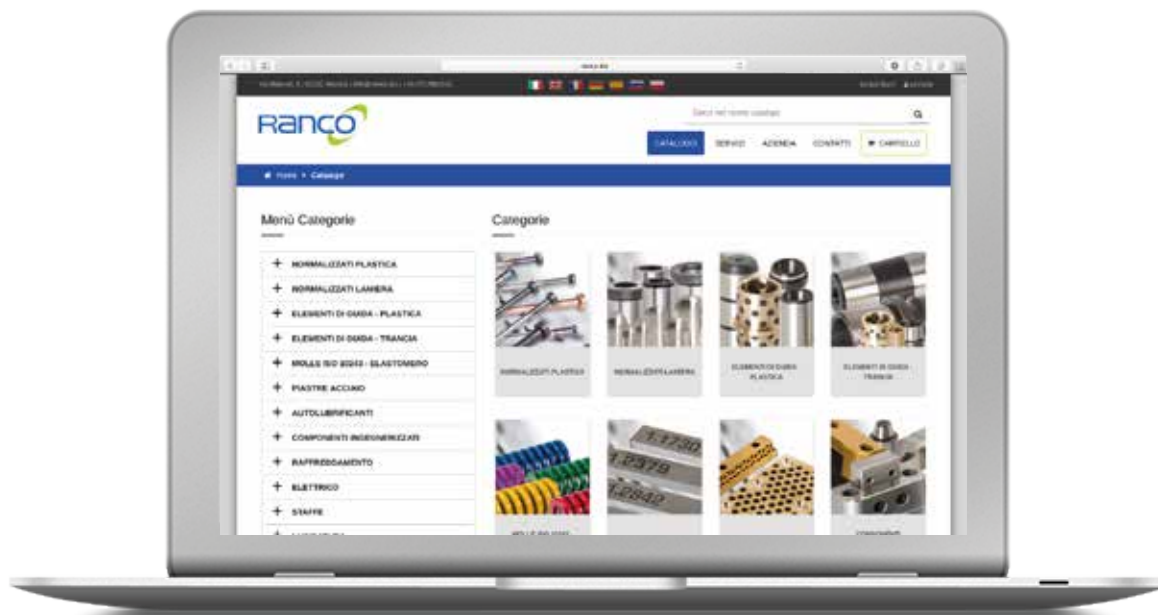
### Quality and savings:

We do not chase after the lowest offer price but rather the correct mixture between the cost and quality of every single article. We test our products for the quality of their materials and for their mechanical characteristics. For this reason we hold the ISO 9001 certificates and continue to pursue improvements in the quality checking process.



**TUTTI I PRODOTTI IN  
UN SOLO CLICK**

**ALL YOU NEED IS JUST  
ONE CLICK AWAY**



### REGISTRATI

Registrati sul nostro sito e scarico il nostro catalogo in PDF e i file 3D render dei nostri prodotti nei più diffusi formati CAD.



### SIGN UP

Sign up on our website and download the complete catalogue in PDF and the 3D files of our products in the most widely used CAD formats.

### RICHIEDI L'OFFERTA

Invia la richiesta di quotazione. Richiedi l'abilitazione ai listini personalizzati al nostro ufficio commerciale.



### REQUESTS FOR QUOTATION

Send a quotation request. Ask the Sales Department for your customized price list.

### INVIA L'ORDINE

Consulta i prezzi e le disponibilità in tempo reale. Manda gli ordini direttamente dal nostro sito web e ricevi un rapido riscontro.



### PLACE AND ORDER

Check out the prices and stock availability in real time. Send the orders directly to our website and receive a quick answer.

### AGGIORNAMENTI

Verificare sempre aggiornamenti su [www.ranco.biz](http://www.ranco.biz)



### UPDATE

Please visit [www.ranco.biz](http://www.ranco.biz) for updated information








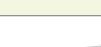









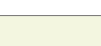







**NORMALIZZATI PLASTICA**  
**STANDARD PARTS FOR INJECTION MOULDS**



**RANCO** 




























# INDICE INDEX























ESPULSORI EJECTOR PINS			
R0101		Espulsore testa cilindrica nitrurato DIN1530/ISO6751 - A Nitrided ejector pin cylindrical head DIN1530/ISO6751 - A	7
R0102		Espulsore testa cilindrica nitrurato - ossidato nero DIN1530/ISO6751 - TA Nitrided oxidation coated ejector pin cylindrical head DIN1530/ISO6751 - TA	9
R0103		Espulsore testa cilindrica nitrurato (tipo Fiat) - VX Nitrided ejector pin cylindrical head (type Fiat) - VX	11
R0104		Espulsore testa cilindrica nitrurato forabile DIN1530/ISO6751 - AF Perforable nitrided ejector pin cylindrical head DIN1530/ISO6751 - AF	12
R0105		Espulsore testa cilindrica temprato DIN1530/ISO6751 - AH Hardened ejector pin cylindrical head DIN1530/ISO6751 - AH	13
R0106		Anima DIN1530/ISO6751 - AHX Non-nitrided core pin DIN1530/ISO6751 - AHX	15
R0108		Espulsore lamellare nitrurato DIN1530/ISO8693 - ELN Nitrided blade ejector pin DIN1530/ISO8693 - ELN	17
R0109		Espulsore lamellare temprato DIN1530/ISO8693 - ELT Hardened blade ejector pin DIN1530/ISO8693 - ELT	18
R0667		Espulsore lamellare temprato DIN1530/ISO8693 a due raggi Hardened blade ejector pin DIN1530/ISO8693 with two angle radii	19
R0668		Espulsore lamellare temprato DIN1530/ISO8693 a quattro raggi Hardened blade ejector pin DIN1530/ISO8693 with four angle radii	20
R0703		Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 Hardened blade ejector pin with extra long blade DIN1530F/ISO8693	21
R0704		Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 a due raggi Hardened blade ejector pin with extra long blade DIN1530F/ISO8693 with two angle radii	22
R0705		Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 a quattro raggi Hardened blade ejector pin with extra long blade DIN1530F/ISO8693 with four angle radii	23
R0113		Espulsore a cannocchiale nitrurato DIN16756/ISO8405 - ECN Nitrided ejector sleeve DIN16756/ISO8405 - ECN	24
R0114		Espulsore a cannocchiale temprato DIN16756/ISO8405 - ECT Hardened ejector sleeve DIN16756/ISO8405 - ECT	25
R0110		Espulsore con spalla nitrurato DIN1530/ISO8694 - C Nitrided stepped ejector pin DIN1530/ISO8694 - C	26
R0111		Espulsore con spalla temprato DIN1530/ISO8694 - CH Hardened stepped ejector pin DIN1530/ISO8694 - CH	27
R0107		Espulsore testa cilindrica rame (senza berillio) DIN1530/ISO6751 - A7 Copper ejector pin cylindrical head (beryllium - free) DIN1530/ISO6751 - A7	28
R0480		Espulsore testa cilindrica temprato Inox DIN/ISO 6751 Hardened stainless steel ejector pin cylindrical head DIN/ISO 6751	29
R0112		Espulsore testa conica nitrurato DIN1530 - DN Nitrided ejector pin conical head DIN1530 - DN	30
R0173		Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS	31
R0115		Espulsore lavorato - ESP Shaped ejector pin - ESP	37
BUSSOLE DI INIEZIONE SPRUE BUSHES			
R0130		Bussola di iniezione non temprata - BI Not hardened sprue bush - BI	38
R0131		Bussola di iniezione temprata - BIT Hardened sprue bush - BIT	38
R0481		Bussola di iniezione sbazzata Semi-finished sprue bush	39














# INDICE INDEX

R0482		Bussola di iniezione sbazzata temprata Semi-finished hardened sprue bush	39
R0132		Bussola di iniezione - AGK-AGN-AGM-AG Sprue bush - AGK-AGN-AGM-AG	40
R0133		Bussola di iniezione senza raggio Sprue bush without radius	41
R0134		Bussola di iniezione con raggio 15.5 Sprue bush with radius 15.5	42
R0135		Bussola di iniezione con raggio 40 Sprue bush with radius 40	43
R0136		Bussola tiracolata Sprue retainer	44
R0137		Bussola per iniezione Zama - BIZ Zama sprue bush - BIZ	44
<b>VALVOLE VENTILATION ELEMENTS</b>			
R0142		Valvola - VA Air valve - VA	45
R0143		Valvola - VE Air valve - VE	45
R0144		Valvola per l'aria - VR Air valve - VR	46
R0145		Valvola doppia - VD Double valve - VD	46
R0146		Valvola per l'aria - R491 Air valve - R491	47
R0147		Inserto poroso Sintered vent	48
R0769		Sfiati per pressofusione Chill vents	49
<b>DATARI, INSERTI DI RICICLO DATE STAMPS, RECYCLING INSERTS</b>			
R0138		Corpo datario corto - CC Date stamp outer insert, short type - CC	50
R0601		Inserto datario corto Short date stamp inner insert	50
R0139		Corpo datario lungo - CL Date stamp outer insert, long type - CL	51
R0602		Inserto datario lungo Long date stamp inner insert	51
R0486		Corpo datario piano tipo sfera Indexable date stamp outer insert	52
R0603		Inserto datario piano tipo sfera Indexable date stamp inner insert	52
R0659		Datario completo per stampi a iniezione Complete date stamp for injection moulds	53
R0660		Inserto indicatore Indicator insert	54
R0141		Datario multiplo - RFD Double date stamp - RFD	55
R0140		Inserto di riciclo Recycling insert	56
R0661		Inserto di riciclo Recycling insert	58

# INDICE INDEX

<b>ANELLI CENTRAGGIO LOCATING RINGS</b>			
R0116		Anello di centraggio - AC Locating ring - AC	59
R0117		Anello di centraggio sbozzato multiuso - ACS Multiuse semi-finished locating ring - ACS	60
R0118		Anello di centraggio sbozzato Semi-finished locating ring	61
R0119		Anello di centraggio Locating ring	62
R0120		Anello di centraggio Locating ring	63
<b>VITI, GRANI SCREWS, PLUNGERS</b>			
R0162		Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI	64
R0163		Vite a testa cilindrica bassa con esagono incassato (UNI9327, DIN7984) - VTCEIB Cylindrical low head screw with hexagon socket (UNI9327, DIN7984) - VTCEIB	66
R0164		Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI	67
R0160		Vite a colletto con gambo rettificato esagono incassato - VGR Shouldered screw with ground shaft and hexagon socket - VGR	69
R0161		Vite a colletto con distanziale rettificato - VGRD Shouldered screw with ground spacer - VGRD	70
R0165		Grani (UNI5923, DIN913) - GR Hexagon socket set screws (UNI5923, DIN913) - GR	71
R0166		Grani a sfera - GRSF Ball spring plungers - GRSF	73
R0167		Grani a sfera con esagono incassato - GRSF ES Hex-socket ball spring plungers - GRSF ES	73
<b>TAPPI, O-RING PLUGS, O-RINGS</b>			
R0169		Tappo cilindrico con battuta DIN908 Cylindrical plug with head DIN908	74
R0168		Tappo conico DIN906 Conical plug DIN906	75
R0159		O-Ring - OR O-Ring - OR	76
R0688		O-Ring, Corda - OR Rubber cord rope - OR	78
<b>SPINE CILINDRICHE DOWEL PINS</b>			
R0157		Spina cilindrica (DIN6325, UNI6364A) - SC Dowel pin (DIN6325, UNI6364A) - SC	79
R0158		Spina cilindrica con foro filettato (DIN7979, UNI6364B) - SCF Dowel pin with threaded hole (DIN7979, UNI6364B) - SCF	81
<b>ACCESSORI ACCESSORIES</b>			
R0129		Inserito filettato per estrazione - R1515 Threaded insert for ejector set - R1515	82
R0121		Bussola guida Guide bush	83
R0122		Disco per bussola guida R0121 Disc for guide bush R0121	84

# INDICE INDEX

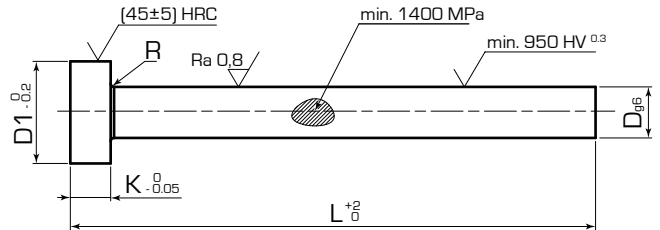
<b>R0123</b>		<b>Supporto</b> Support pillar	<b>85</b>
<b>R0124</b>		<b>Bussola filettata per centraggio piastre - BC</b> Threaded bush for plates locating - BC	<b>86</b>
<b>R0551</b>		<b>Bussola di centraggio</b> Centering bush	<b>86</b>
<b>R0125</b>		<b>Appoggio Tavolino - AT</b> Stop Pin - AT	<b>87</b>
<b>R0126</b>		<b>Appoggio tavolino a rondella - ATR</b> Buffer plate for ejector set - ATR	<b>87</b>
<b>R0127</b>		<b>Appoggio tavolino a pressione</b> Spring washer	<b>88</b>
<b>R0538</b>		<b>Barra filettata brunita</b> Burnished threaded bar	<b>89</b>
<b>R0170</b>		<b>Seeger per il montaggio su albero - SEEGER DIN471</b> External circlip ring - SEEGER DIN471	<b>90</b>
<b>R0171</b>		<b>Seeger per il montaggio in fori - SEEGER DIN472</b> Internal circlip ring - SEEGER DIN472	<b>91</b>
<b>R0702</b>		<b>Piastrina di aggiustaggio</b> Pressure plate	<b>92</b>
<b>R0706</b>		<b>Estrattore per spine cilindriche</b> Slide hammer kit	<b>93</b>

# Espulsori Ejector pins

RANCO

**R0101**

Espulsore testa cilindrica nitrurato DIN1530/ISO6751 - A  
Nitrided ejector pin cylindrical head DIN1530/ISO6751 - A



**Descrizione:**

Esempio di ordinativo: **R0101-01-0001**  
 Materiale: 1.2344 Nitrurato  
 Temperatura max. di esercizio: 500/550 °C  
 Rivestimento: DLC su richiesta

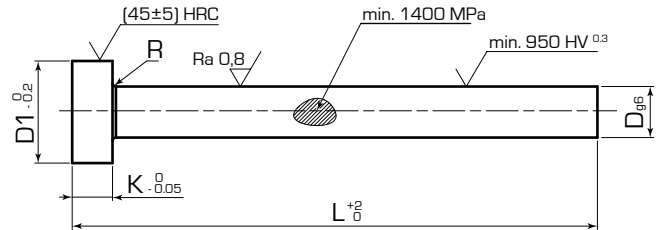
**Description:**

Example of purchasing order: **R0101-01-0001**  
 Material: 1.2344 Nitrided  
 Max. work temperature: 500/550 °C  
 Coating: DLC upon request.

Codice Code	D	D1	K	R	L														
					100	125	160	200	250	315	400	500	630	800	1000				
R0101-01	1	2.5	1.2	0.2	0001		0002												
R0101-01	1.2	2.5	1.2	0.2	0003		0004												
R0101-01	1.5	3	1.5	0.2	0005	0006	0007	0008											
R0101-01	1.6	3	1.5	0.2	0009	0010	0011	0012											
R0101-01	1.7	3	1.5	0.2	0013			0014											
R0101-01	1.8	3	1.5	0.2	0015	0016	0017	0018	0019	0020									
R0101-01	2	4	2	0.2	0021	0022	0023	0024	0025										
R0101-01	2.2	4	2	0.2	0026	0027	0028	0029	0360										
R0101-01	2.5	5	2	0.3	0030	0031	0032	0033	0034	0035									
R0101-01	2.7	5	3	0.3	0036	0037	0038	0039	0040										
R0101-01	3	6	3	0.3	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050					
R0101-01	3.2	6	3	0.3	0051	0052	0053	0054	0055	0056	0057		0058	0059					
R0101-01	3.5	7	3	0.3	0060	0061	0062	0063	0064	0065	0066								
R0101-01	3.7	7	3	0.3	0067	0068	0069	0070	0071	0072	0073	0074	0075						
R0101-01	4	8	3	0.3	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085					
R0101-01	4.2	8	3	0.3	0086	0087	0088	0089	0090	0091	0092	0093	0094						
R0101-01	4.5	8	3	0.3	0095	0096	0097	0098	0099	0100	0101								
R0101-01	5	10	3	0.3	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111					
R0101-01	5.2	10	3	0.3	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121					
R0101-01	5.5	10	3	0.3	0122	0123	0124	0125	0126	0127	0128	0129	0130						
R0101-01	6	12	5	0.5	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141				
R0101-01	6.2	12	5	0.5	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151					
R0101-01	6.5	12	5	0.5	0152	0153	0154	0155	0156	0157	0158	0159	0160						
R0101-01	7	12	5	0.5	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171				
R0101-01	7.5	12	5	0.5	0172	0173	0174	0175	0176	0177	0178	0179	0180						
R0101-01	8	14	5	0.5	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191				
R0101-01	8.2	14	5	0.5	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202				
R0101-01	8.5	14	5	0.5	0203	0204	0205	0206	0207	0208	0209	0210	0211						
R0101-01	9	14	5	0.5	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221					
R0101-01	9.5	14	5	0.5	0222	0223	0224	0225	0226	0227	0228	0229							
R0101-01	10	16	5	0.5	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240				
R0101-01	10.2	16	5	0.5	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250					
R0101-01	10.5	16	5	0.5	0251	0252	0253	0254	0255	0256	0257	0258	0259						
R0101-01	11	16	5	0.5	0260	0261	0262	0263	0264	0265	0266	0267	0268						
R0101-01	12	18	7	0.8	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279				
R0101-01	12.2	18	7	0.8	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289					

## R0101

Espulsore testa cilindrica nitrurato DIN1530/ISO6751 - A  
Nitrided ejector pin cylindrical head DIN1530/ISO6751 - A



### Descrizione:

Esempio di ordinativo: R0101-01-0001  
 Materiale: 1.2344 Nitrurato  
 Temperatura max. di esercizio: 500/550 °C  
 Rivestimento: DLC su richiesta

### Description:

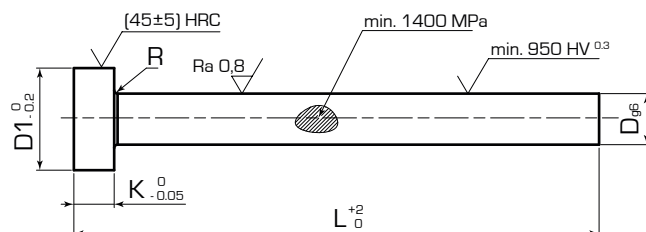
Example of purchasing order: R0101-01-0001  
 Material: 1.2344 Nitrided  
 Max. work temperature: 500/550 °C  
 Coating: DLC upon request.

Codice Code	D	D1	K	R	L										
					100	125	160	200	250	315	400	500	630	800	1000
R0101-01	12.5	18	7	0.8	0290	0291	0292	0293	0294	0295	0296	0297	0298	0299	
R0101-01	14	22	7	0.8	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310
R0101-01	16	22	7	0.8	0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321
R0101-01	18	24	7	0.8	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331	0332
R0101-01	20	26	8	1		0333	0334	0335	0336	0337	0338	0339	0340	0341	0342
R0101-01	25	32	10	1			0343	0344	0345	0346	0347	0348	0349	0350	0351
R0101-01	32	40	10	1				0352	0353	0354	0355	0356	0357	0358	0359



## R0102

Espulsore testa cilindrica nitrurato - ossidato nero DIN1530/ISO6751 - TA  
Nitrided oxidation coated ejector pin cylindrical head DIN1530/ISO6751 - TA



### Descrizione:

Esempio di ordinativo: **R0102-01-0001**  
Materiale: 1.2344 Nitrurato e Ossidato (nero)  
Temperatura max. di esercizio: 500/550 °C

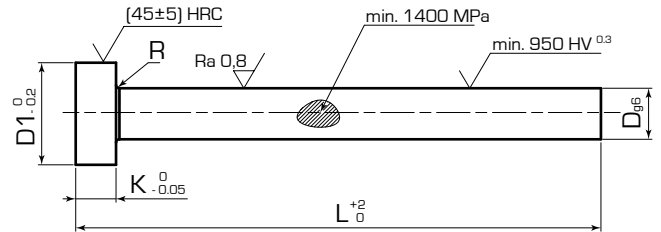
### Description:

Example of purchasing order: **R0102-01-0001**  
Material: 1.2344 Nitrided and Oxidated (black)  
Max. work temperature: 500/550 °C

Codice Code	D	D1	K	R	L														
					100	125	160	200	250	315	400	500	630	800	1000				
R0102-01	1.5	3	1.5	0.2	0001	0002	0003	0004											
R0102-01	2	4	2	0.2	0005	0006	0007	0008	0009	0010									
R0102-01	2.2	4	2	0.2	0011	0012	0013	0014	0015	0016									
R0102-01	2.5	5	2	0.3	0017	0018	0019	0020	0021	0022									
R0102-01	2.7	5	2	0.3	0023	0024	0025	0026	0027										
R0102-01	3	6	3	0.3	0028	0029	0030	0031	0032	0033	0034	0035							
R0102-01	3.2	6	3	0.3	0036	0037	0038	0039	0040	0041	0042								
R0102-01	3.5	7	3	0.3	0043	0044	0045	0046	0047	0048	0049								
R0102-01	3.7	7	3	0.3	0050	0051	0052	0053	0054	0055	0056								
R0102-01	4	8	3	0.3	0057	0058	0059	0060	0061	0062	0063	0064							
R0102-01	4.2	8	3	0.3	0065	0066	0067	0068	0069	0070	0071								
R0102-01	4.5	8	3	0.3	0072	0073	0074	0075	0076	0077	0078								
R0102-01	5	10	3	0.3	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088					
R0102-01	5.2	10	3	0.3	0089	0090	0091	0092	0093	0094	0095	0096							
R0102-01	5.5	10	3	0.3	0097	0098	0099	0100	0101	0102	0103	0104							
R0102-01	6	12	5	0.5	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114					
R0102-01	6.2	12	5	0.5	0115	0116	0117	0118	0119	0120	0121	0122	0123						
R0102-01	6.5	12	5	0.5	0124	0125	0126	0127	0128	0129	0130	0131							
R0102-01	7	12	5	0.5	0132	0133	0134	0135	0136	0137	0138	0139	0140						
R0102-01	7.5	12	5	0.5	0141	0142	0143	0144	0145	0146	0147	0148							
R0102-01	8	14	5	0.5	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159				
R0102-01	8.2	14	5	0.5	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169					
R0102-01	8.5	14	5	0.5	0170	0171	0172	0173	0174	0175	0176	0177	0178						
R0102-01	9	14	5	0.5	0179	0180	0181	0182	0183	0184	0185	0186	0187						
R0102-01	9.5	14	5	0.5	0188	0189	0190	0191	0192	0193	0194	0195							
R0102-01	10	16	5	0.5	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206				
R0102-01	10.2	16	5	0.5	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216					
R0102-01	10.5	16	5	0.5	0217	0218	0219	0220	0221	0222	0223	0224	0225						
R0102-01	11	16	5	0.5	0226	0227	0228	0229	0230	0231	0232	0233	0234						
R0102-01	12	18	7	0.8	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245				
R0102-01	12.2	18	7	0.8	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255					
R0102-01	12.5	18	7	0.8	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265					
R0102-01	14	22	7	0.8	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276				
R0102-01	16	22	7	0.8	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287				
R0102-01	18	24	7	0.8	0288	0289	0290	0291	0292	0293	0294	0295	0296	0297	0298				
R0102-01	20	26	8	1		0299	0300	0301	0302	0303	0304	0305	0306	0307	0308				

## R0102

Espulsore testa cilindrica nitrurato - ossidato nero DIN1530/ISO6751 - TA  
Nitrided oxidation coated ejector pin cylindrical head DIN1530/ISO6751 - TA



### Descrizione:

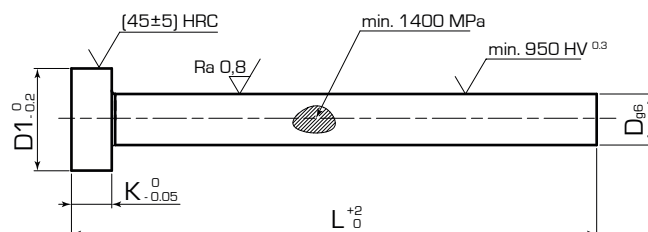
Esempio di ordinativo: **R0102-01-0001**  
Materiale: 1.2344 Nitrurato e Ossidato (nero)  
Temperatura max. di esercizio: 500/550 °C

### Description:

Example of purchasing order: **R0102-01-0001**  
Material: 1.2344 Nitrided and Oxidated (black)  
Max. work temperature: 500/550 °C

Codice Code	D	D1	K	R	L										
					100	125	160	200	250	315	400	500	630	800	1000
R0102-01	25	32	10	1			0309	0310	0311	0312	0313	0314	0315	0316	0317
R0102-01	32	40	10	1				0318	0319	0320	0321	0322	0323	0324	0325

## R0103 Espulsore testa cilindrica nitrurato (tipo Fiat) - VX Nitrided ejector pin cylindrical head (type Fiat) - VX



### Descrizione:

Esempio di ordinativo: **R0103-01-0001**  
 Materiale: 1.2344 Nitrurato  
 Temperatura max. di esercizio: 500/550 °C  
 Rivestimento: DLC su richiesta

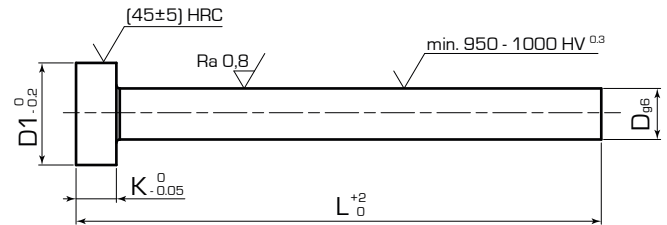
### Description:

Example of purchasing order: **R0103-01-0001**  
 Material: 1.2344 Nitrided  
 Max. work temperature: 500/550 °C  
 Coating: DLC upon request.

Codice Code	D	D1	K	L													
				100	125	160	200	250	315	400	500	630	800	1000			
R0103-01	3.5	6	3	0001	0002	0003	0004	0005	0006	0007							
R0103-01	4	8	4	0008	0009	0010	0011	0012	0013	0014	0015						
R0103-01	4.2	8	4	0016	0017	0018	0019	0020	0021	0022	0023						
R0103-01	4.5	8	4	0024	0025	0026	0027	0028	0029	0030	0031						
R0103-01	5	10	5	0032	0033	0034	0035	0036	0037	0038	0039	0040					
R0103-01	5.2	10	5	0041	0042	0043	0044	0045	0046	0047	0048	0049					
R0103-01	5.5	10	5	0050	0051	0052	0053	0054	0055	0056	0057	0058					
R0103-01	8	14	6.5	0059	0060	0061	0062	0063	0064	0065	0066	0067					
R0103-01	8.2	14	6.5	0068	0069	0070	0071	0072	0073	0074	0075	0076					
R0103-01	8.5	14	6.5	0077	0078	0079	0080	0081	0082	0083	0084	0085					
R0103-01	9	14	6.5	0086	0087	0088	0089	0090	0091	0092	0093	0094					
R0103-01	10	16	6.5	0095	0096	0097	0098	0099	0100	0101	0102	0103					
R0103-01	10.2	16	6.5	0104	0105	0106	0107	0108	0109	0110	0111	0112					
R0103-01	11	18	6.5	0113	0114	0115	0116	0117	0118	0119	0120	0121					
R0103-01	12	18	6.5	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132			
R0103-01	16	24	7	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143			
R0103-01	18	26	7	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154			
R0103-01	20	28	7	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165			

## R0104

Espulsore testa cilindrica nitruato forabile DIN1530/ISO6751 - AF  
Perforable nitrided ejector pin cylindrical head DIN1530/ISO6751 - AF



### Descrizione:

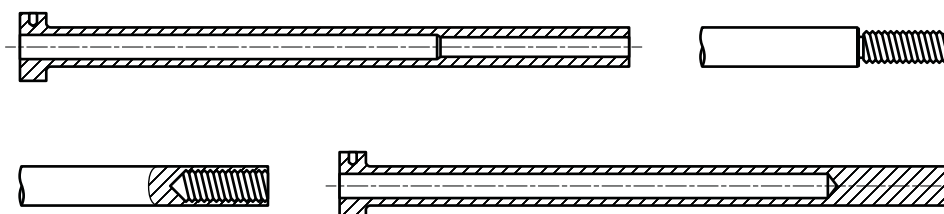
Esempio di ordinativo: R0104-01-0001  
Materiale: 1.2344 Nitruato  
Temperatura max. di esercizio: 500/550 °C

### Description:

Example of purchasing order: R0104-01-0001  
Material: 1.2344 Nitrided  
Max. work temperature: 500/550 °C

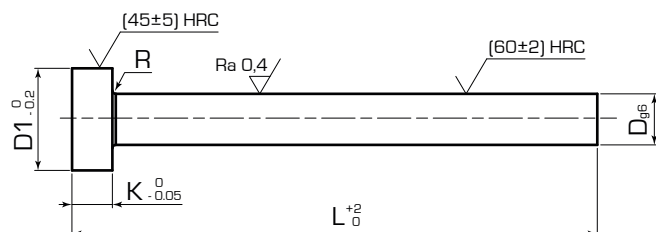
Codice Code	D	D1	K	L						
				100	125	160	200	250	315	400
R0104-01	3	6	3	0001	0002	0003	0004	0005		
R0104-01	3.5	7	3	0006	0007	0008	0009	0010		
R0104-01	4	8	3	0011	0012	0013	0014	0015	0016	0017
R0104-01	4.5	8	3	0018	0019	0020	0021	0022	0023	0024
R0104-01	5	10	3	0025	0026	0027	0028	0029	0030	0031
R0104-01	5.5	10	3	0032	0033	0034	0035	0036	0037	0038
R0104-01	6	12	5	0039	0040	0041	0042	0043	0044	0045
R0104-01	6.5	12	5	0046	0047	0048	0049	0050	0051	0052
R0104-01	7	12	5	0053	0054	0055	0056	0057	0058	0059
R0104-01	7.5	12	5	0060	0061	0062	0063	0064	0065	0066
R0104-01	8	14	5	0067	0068	0069	0070	0071	0072	0073
R0104-01	8.5	14	5	0074	0075	0076	0077	0078	0079	0080
R0104-01	9	14	5	0081	0082	0083	0084	0085	0086	0087
R0104-01	10	16	5	0088	0089	0090	0091	0092	0093	0094
R0104-01	12	18	7	0095	0096	0097	0098	0099	0100	0101
R0104-01	14	22	7	0102	0103	0104	0105	0106	0107	0108
R0104-01	16	22	7	0109	0110	0111	0112	0113	0114	0115
R0104-01	18	24	7	0116	0117	0118	0119	0120	0121	0122
R0104-01	20	26	8	0123	0124	0125	0126	0127	0128	0129
R0104-01	25	32	10			0132	0133	0134	0135	0136
R0104-01	32	40	10				0140	0141	0142	0143

### Possibili impieghi Range of application



## R0105

Espulsore testa cilindrica temprato DIN1530/ISO6751 - AH  
Hardened ejector pin cylindrical head DIN1530/ISO6751 - AH



### Descrizione:

Esempio di ordinativo: R0105-01-0001  
Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C  
Rivestimento: DLC su richiesta

### Description:

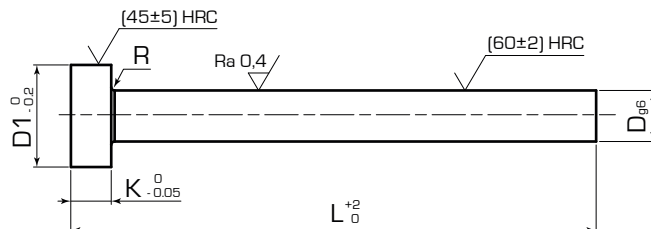
Example of purchasing order: R0105-01-0001  
Material: 1.2210 Hardened  
Max. work temperature: 250 °C  
Coating: DLC upon request.

Codice Code	D	D1	K	R	L																
					40	63	80	100	125	160	200	250	315	400	500	630	800	1000			
R0105-01	1	2.5	1.2	0.2	0001	0002	0003	0004	0005	0006	0007										
R0105-01	1.1	2.5	1.2	0.2	0008	0009	0010	0011	0012	0013	0014										
R0105-01	1.2	2.5	1.2	0.2	0015	0016	0017	0018	0019	0020	0021										
R0105-01	1.3	3	1.5	0.2	0022	0023	0024	0025	0026	0027	0028	0426									
R0105-01	1.4	3	1.5	0.2	0029	0030	0031	0032	0033	0034	0035										
R0105-01	1.5	3	1.5	0.2	0036	0037	0038	0039	0040	0041	0042										
R0105-01	1.6	3	1.5	0.2	0043	0044	0045	0046	0047	0048	0049	0050									
R0105-01	1.7	3	1.5	0.2	0051	0052	0053	0054	0055	0056	0057										
R0105-01	1.8	3	1.5	0.2	0058	0059	0060	0061	0062	0063	0064										
R0105-01	1.9	3	1.5	0.2	0065	0066	0067	0068	0069	0070	0071										
R0105-01	2	4	2	0.2	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081							
R0105-01	2.1	4	2	0.2						0082											
R0105-01	2.2	4	2	0.2			0083	0084	0085	0086	0087	0088	0089								
R0105-01	2.3	4	2	0.2						0090											
R0105-01	2.4	5	2	0.2						0091											
R0105-01	2.5	5	2	0.3	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101							
R0105-01	2.7	5	2	0.3			0102	0103	0104	0105	0106	0107									
R0105-01	3	6	3	0.3	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118						
R0105-01	3.1	6	3	0.3						0119	0120										
R0105-01	3.2	6	3	0.3			0121	0122	0123	0124	0125	0126	0127	0128							
R0105-01	3.5	7	3	0.3			0129	0130	0131	0132	0133	0134	0135	0136							
R0105-01	3.7	7	3	0.3			0137	0138	0139	0140	0141	0142	0143	0144							
R0105-01	4	8	3	0.3	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155						
R0105-01	4.1	8	3	0.3						0156	0425	0157	0158								
R0105-01	4.2	8	3	0.3		0159	0160	0161	0162	0163	0164	0165	0166	0167	0168						
R0105-01	4.5	8	3	0.3				0169	0170	0171	0172	0173	0174	0175							
R0105-01	4.6	8	3	0.3					0176	0177	0178										
R0105-01	4.7	8	3	0.3					0179	0180	0181	0182	0183	0184	0185						
R0105-01	5	10	3	0.3	0186	0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198				
R0105-01	5.1	10	3	0.3							0199	0200									
R0105-01	5.2	10	3	0.3			0201	0202	0203	0204	0205	0206	0207	0208	0209						
R0105-01	5.5	10	3	0.3				0210	0211	0212	0213	0214	0215	0216	0217						
R0105-01	6	12	5	0.5	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231			
R0105-01	6.1	12	5	0.5							0232										
R0105-01	6.2	12	5	0.5			0233	0234	0235	0236	0237	0238	0239	0240	0241	0242					
R0105-01	6.5	12	5	0.5				0243	0244	0245		0246	0247	0248	0249						



## R0105

Espulsore testa cilindrica temprato DIN1530/ISO6751 - AH  
Hardened ejector pin cylindrical head DIN1530/ISO6751 - AH



### Descrizione:

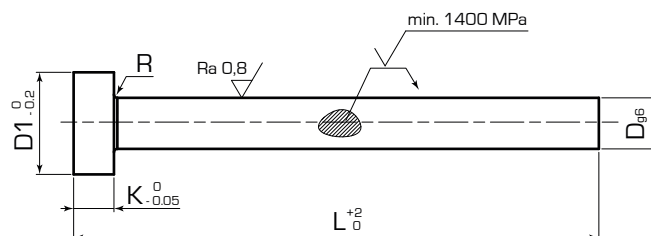
Esempio di ordinativo: **R0105-01-0001**  
Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: **R0105-01-0001**  
Material: 1.2210 Hardened  
Max. work temperature: 250 °C  
Coating: DLC upon request.

Codice Code	D	D1	K	R	L														
					40	63	80	100	125	160	200	250	315	400	500	630	800	1000	
R0105-01	7	12	5	0.5				0250	0251	0252	0253	0254	0255	0256	0257	0258			
R0105-01	7.2	12	5	0.5							0259								
R0105-01	7.5	12	5	0.5				0260	0261	0262	0263	0264							
R0105-01	8	14	5	0.5		0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276		
R0105-01	8.1	14	5	0.5							0277								
R0105-01	8.2	14	5	0.5				0278	0279	0280	0281	0282	0283	0284	0285	0286			
R0105-01	8.5	14	5	0.5				0287	0288	0289	0290	0291	0292	0293	0294	0295			
R0105-01	9	14	5	0.5			0296	0297	0298	0299	0300	0301	0302	0303	0304	0305			
R0105-01	10	16	5	0.5			0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316		
R0105-01	10.2	16	5	0.5				0317	0318	0319	0320	0321	0322	0323	0324	0325			
R0105-01	10.5	16	5	0.5				0326	0327	0328	0329	0330	0331	0332	0333	0334			
R0105-01	11	16	5	0.5						0335	0336	0337	0338						
R0105-01	12	18	7	0.8			0339	0340	0341	0342	0343	0344	0345	0346	0347	0348	0349		
R0105-01	12.2	18	7	0.8			0350	0351	0352	0353	0354	0355	0356	0357	0358				
R0105-01	12.5	18	7	0.8				0359	0360	0361	0362	0363	0364	0365	0366				
R0105-01	13	18	7	0.8				0367	0368	0369	0370	0371	0372						
R0105-01	14	22	7	0.8				0373	0374	0375	0376	0377	0378	0379	0380	0381			
R0105-01	14.5	22	7	0.8				0382	0383	0384	0385	0386	0387						
R0105-01	16	22	7	0.8				0388	0389	0390	0391	0392	0393	0394	0395	0396	0397		
R0105-01	18	24	7	0.8						0398	0399	0400	0401	0402	0403	0404			
R0105-01	20	26	8	1				0405	0406	0407	0408	0409	0410	0411	0412	0413	0414	0415	0416
R0105-01	25	32	10	1				0417	0418	0419	0420	0421	0422	0423	0424				

## R0106 Anima DIN1530/ISO6751 - AHX Non-nitrided core pin DIN1530/ISO6751 - AHX



### Descrizione:

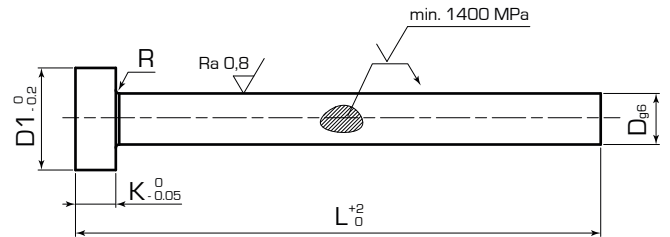
Esempio di ordinativo: **R0106-01-0001**  
 Materiale: 1.2344 Bonificato, non nitruato  
 Temperatura max. di esercizio: 500/550 °C

### Description:

Example of purchasing order: **R0106-01-0001**  
 Material: 1.2344 Quenched, not nitrided  
 Max. work temperature: 500/550 °C

Codice Code	D	D1	K	R	L												
					63	80	100	125	160	200	250	315	400	500	630	800	1000
R0106-01	1	3	1.5	0.2			0001										
R0106-01	1.5	3	1.5	0.2			0002	0003	0004	0005							
R0106-01	2	4	2	0.2		0006	0007	0008	0009	0010	0011						
R0106-01	2.2	4	2	0.2			0012	0013	0014	0015							
R0106-01	2.5	5	2	0.3			0016	0017	0018	0019	0020	0021					
R0106-01	2.7	5	2	0.3			0022	0023	0024	0025							
R0106-01	3	6	3	0.3		0026	0027	0028	0029	0030	0031	0032	0033	0034			
R0106-01	3.2	6	3	0.3			0035	0036	0037	0038	0039	0040	0041				
R0106-01	3.5	7	3	0.3			0042	0043	0044	0045	0046	0047	0048				
R0106-01	3.7	7	3	0.3			0049	0050	0051	0052							
R0106-01	4	8	3	0.3	0061	0062	0053	0054	0055	0056	0057	0058	0059	0060			
R0106-01	4.2	8	3	0.3	0063	0064	0065	0066	0067	0068	0069	0070	0071				
R0106-01	4.5	8	3	0.3			0072	0073	0074	0075	0076	0077	0078				
R0106-01	5	10	3	0.5		0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	
R0106-01	5.2	10	3	0.5			0090	0091	0092	0093	0094	0095					
R0106-01	5.5	10	3	0.5			0096	0097	0098	0099	0100	0101	0102	0103			
R0106-01	6	12	5	0.5		0104	0105	0106	0107	0108	0109	0110	0111	0112	0113		
R0106-01	6.2	12	5	0.5			0114	0115	0116	0117	0118	0119	0120	0121	0122		
R0106-01	6.5	12	5	0.5			0123	0124	0125	0126	0127	0128	0129	0130			
R0106-01	7	12	5	0.5			0131	0132	0133	0134	0135	0136	0137	0138	0139		
R0106-01	7.5	12	5	0.5			0140	0141	0142	0143	0144	0145	0146	0147			
R0106-01	8	14	5	0.5			0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	
R0106-01	8.2	14	5	0.5			0158	0159	0160	0161	0162	0163	0164				
R0106-01	8.5	14	5	0.5			0165	0166	0167	0168	0169	0170	0171		0172		
R0106-01	9	14	5	0.5			0173	0174	0175	0176	0177	0178	0179	0180			
R0106-01	9.5	14	5	0.5			0181	0182	0183	0184	0185	0186					
R0106-01	10	16	5	0.5			0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	
R0106-01	10.2	16	5	0.5			0197	0198	0199	0200	0201	0202	0203		0204	0205	
R0106-01	10.5	16	5	0.5			0206	0207	0208	0209	0210	0211	0212	0213			
R0106-01	11	16	5	0.5			0214	0215	0216	0217	0218	0219					
R0106-01	11	16	5	0.8									0220	0221	0222		
R0106-01	12	18	7	0.8			0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	
R0106-01	12.2	18	7	0.8			0233	0234	0235	0236	0237	0238	0239				
R0106-01	12.5	18	7	0.8			0240	0241	0242	0243	0244	0245	0246	0247			
R0106-01	14	22	7	0.8			0248	0250	0251	0252	0253	0254	0255	0256	0257	0258	0249
R0106-01	16	22	7	0.8			0259	0260	0261	0262	0263	0264	0265	0266	0267	0268	

## R0106 Anima DIN1530/ISO6751 - AHX Non-nitrided core pin DIN1530/ISO6751 - AHX



### Descrizione:

Esempio di ordinativo: **R0106-01-0001**  
 Materiale: 1.2344 Bonificato, non nitruato  
 Temperatura max. di esercizio: 500/550 °C

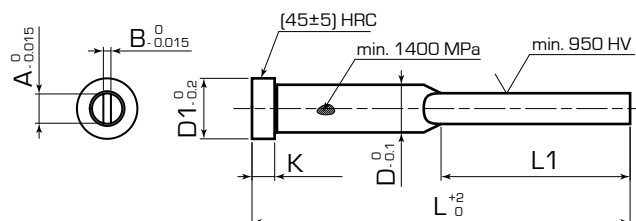
### Description:

Example of purchasing order: **R0106-01-0001**  
 Material: 1.2344 Quenched, not nitrited  
 Max. work temperature: 500/550 °C

Codice Code	D	D1	K	R	L												
					63	80	100	125	160	200	250	315	400	500	630	800	1000
R0106-01	18	24	7	0.8			0269	0270	0271	0272	0273	0274	0275	0276		0277	
R0106-01	20	26	8	1			0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	
R0106-01	25	32	10	1				0295	0288	0289	0290	0291	0292	0293	0294		
R0106-01	32	40	10	1								0296	0297	0298	0299	0300	

## R0108

Espulsore lamellare nitrurato DIN1530/ISO8693 - ELN  
Nitrided blade ejector pin DIN1530/ISO8693 - ELN



### Descrizione:

Esempio di ordinativo: R0108-01-0001

Materiale: 1.2344 Nitrurato

Temperatura max. di esercizio: 500/550 °C

Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0108-01-0001

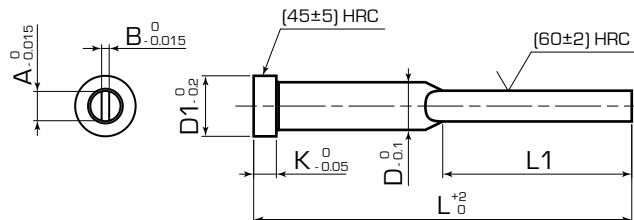
Material: 1.2344 Nitrided

Max. work temperature: 500/550 °C

Coating: DLC upon request

Codice Code	D	D1	A	B	K	L								
						80	100	125	160	200	250	315	400	
						L1								
						40	50	65	80	100	125	155	200	
R0108-01	4	8	3.5	1	3	0001	0002	0003						
R0108-01	4.2	8	3.8	1	3	0004	0006	0008	0010					
R0108-01	4.2	8	3.8	1.2	3	0005	0007	0009	0011	0012				
R0108-01	5	10	4.5	1	3	0013	0016	0019	0022	0025				
R0108-01	5	10	4.5	1.2	3	0014	0017	0020	0023	0026				
R0108-01	5	10	4.5	1.5	3	0015	0018	0021	0024	0027				
R0108-01	6	12	5.5	1	5	0028	0030	0034	0038	0042				
R0108-01	6	12	5.5	1.2	5	0029	0031	0035	0039	0043				
R0108-01	6	12	5.5	1.5	5		0032	0036	0040	0044				
R0108-01	6	12	5.5	2	5		0033	0037	0041	0045				
R0108-01	8	14	7.5	1.2	5		0046	0049	0052	0055				
R0108-01	8	14	7.5	1.5	5		0047	0050	0053	0056				
R0108-01	8	14	7.5	2	5		0048	0051	0054	0057		0058		
R0108-01	10	16	9.5	1.5	5		0059	0061	0063	0065	0067	0069		
R0108-01	10	16	9.5	2	5		0060	0062	0064	0066	0068	0070		
R0108-01	12	18	11.5	2	7				0071	0073	0075	0077		
R0108-01	12	18	11.5	2.5	7				0072	0074	0076	0078		
R0108-01	16	22	15.5	2	7				0079	0081	0083	0085	0087	
R0108-01	16	22	15.5	2.5	7				0080	0082	0084	0086	0088	

## R0109 Espulsore lamellare temprato DIN1530/ISO8693 - ELT Hardened blade ejector pin DIN1530/ISO8693 - ELT



### Descrizione:

Esempio di ordinativo: **R0109-01-0001**  
 Materiale: 1.2210 Temprato  
 Temperatura max. di esercizio: 250 °C  
 Rivestimento: DLC su richiesta

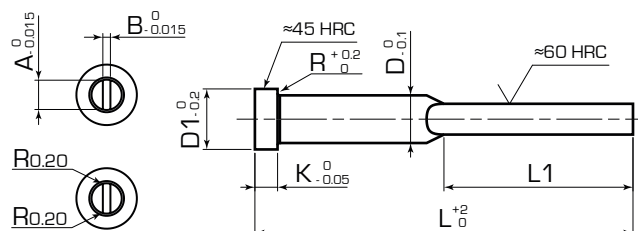
### Description:

Example of purchasing order: **R0109-01-0001**  
 Material: 1.2210 Hardened  
 Max. work temperature: 250 °C  
 Coating: DLC upon request

Codice Code	D	D1	A	B	K	L									
						63	80	100	125	160	200	250	315	400	
						L1									
						33	40	50	65	80	100	125	155	200	
R0109-01	2	4	1.8	0.6	2			0093	0094	0095	0096				
R0109-01	2	4	1.8	0.8	2			0097	0098	0099	0100				
R0109-01	3	6	2.8	0.5	3			0101	0102	0103	0104				
R0109-01	3	6	2.8	0.6	3			0105	0106	0107	0108	0109			
R0109-01	3	6	2.8	0.7	3			0110	0111	0112	0113	0114			
R0109-01	3	6	2.8	0.8	3			0115	0116	0117	0118	0119	0120		
R0109-01	3	6	2.8	0.9	3				0121	0122	0123	0124	0125		
R0109-01	3	6	2.8	1	3			0126	0127	0128	0129	0130	0131		
R0109-01	4	8	3.5	1	3			0001	0002	0003					
R0109-01	4.2	8	3.8	0.5	3			0132	0133	0134	0135				
R0109-01	4.2	8	3.8	0.6	3			0136	0137	0138	0139	0140	0141		
R0109-01	4.2	8	3.8	0.8	3	0142	0143	0144	0145	0146	0147	0148	0149		
R0109-01	4.2	8	3.8	0.9	3				0150	0151	0152	0153	0154		
R0109-01	4.2	8	3.8	1	3	0155	0004	0006	0008	0010	0156	0157	0158		
R0109-01	4.2	8	3.8	1.2	3		0005	0007	0009	0011	0012	0159	0160		
R0109-01	5	10	4.5	0.8	3				0161	0162	0163	0164	0165		
R0109-01	5	10	4.5	1	3		0013	0016	0019	0022	0025	0166	0167		
R0109-01	5	10	4.5	1.2	3		0014	0017	0020	0023	0026	0168	0169		
R0109-01	5	10	4.5	1.5	3		0015	0018	0021	0024	0027	0170	0171		
R0109-01	6	12	5.5	0.8	5				0172	0173	0174	0175	0176	0177	
R0109-01	6	12	5.5	1	5		0028	0030	0034	0038	0042	0178	0179	0180	
R0109-01	6	12	5.5	1.2	5		0029	0031	0035	0039	0043	0046	0181	0182	
R0109-01	6	12	5.5	1.5	5				0032	0036	0040	0044	0047	0183	0184
R0109-01	6	12	5.5	2	5				0033	0037	0041	0045	0185	0186	0187
R0109-01	8	14	7.5	1	5				0188	0189	0190	0191	0192	0193	
R0109-01	8	14	7.5	1.2	5				0048	0051	0054	0057	0194	0195	0196
R0109-01	8	14	7.5	1.5	5				0049	0052	0055	0058	0060	0197	0198
R0109-01	8	14	7.5	2	5				0050	0053	0056	0059	0061	0062	0199
R0109-01	10	16	9.5	1.5	5				0063	0065	0067	0069	0071	0073	0200
R0109-01	10	16	9.5	2	5				0064	0066	0068	0070	0072	0074	0201
R0109-01	12	18	11.5	2	7						0075	0077	0079	0081	
R0109-01	12	18	11.5	2.5	7						0076	0078	0080	0082	
R0109-01	16	22	15.5	2	7						0083	0085	0087	0089	0091
R0109-01	16	22	15.5	2.5	7						0084	0086	0088	0090	0092



## R0667 Espulsore lamellare temprato DIN1530/ISO8693 a due raggi Hardened blade ejector pin DIN1530/ISO8693 with two angle radii



### Descrizione:

Esempio di ordinativo: R0667-01-0001  
 Materiale: 1.2210 Temprato  
 Temperatura max. di esercizio: 250 °C  
 Rivestimento: DLC su richiesta

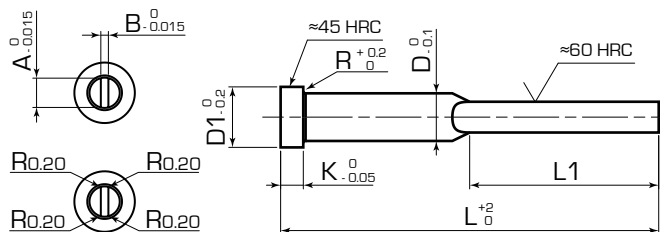
### Description:

Example of purchasing order: R0667-01-0001  
 Material: 1.2210 Hardened  
 Max. work temperature: 250 °C  
 Coating: DLC upon request

Codice Code	D	D1	A	B	K	R	L								
							63	80	100	125	160	200	250	315	
							L1								
							33	40	50	65	80	100	125	155	
R0667-01	3	6	2,8	0,5	3	0,3			0001	0002	0003	0004			
R0667-01	3	6	2,8	0,6	3	0,3			0005	0006	0007	0008			
R0667-01	3	6	2,8	0,8	3	0,3			0009	0010	0011	0012	0013		
R0667-01	3	6	2,8	1	3	0,3				0014	0015	0016	0017		
R0667-01	4,2	8	3,8	0,5	3	0,3			0018	0019	0020	0021			
R0667-01	4,2	8	3,8	0,6	3	0,3			0022	0023	0024	0025	0026		
R0667-01	4,2	8	3,8	0,8	3	0,3	0027	0028	0029	0030	0031	0032	0033		
R0667-01	4,2	8	3,8	1	3	0,3	0034	0035	0036	0037	0038	0039	0040	0041	
R0667-01	4,2	8	3,8	1,2	3	0,3			0042	0043	0044	0045	0046	0047	0048
R0667-01	5	10	4,5	1	3	0,3			0049	0050	0051	0052	0053	0054	0055
R0667-01	5	10	4,5	1,2	3	0,3			0056	0057	0058	0059	0060	0061	0062
R0667-01	5	10	4,5	1,5	3	0,3				0063	0064	0065	0066	0067	0068
R0667-01	6	12	5,5	1	5	0,5			0069	0070	0071	0072	0073	0074	0075
R0667-01	6	12	5,5	1,2	5	0,5			0076	0077	0078	0079	0080	0081	0082
R0667-01	6	12	5,5	1,5	5	0,5				0083	0084	0085	0086	0087	0088
R0667-01	6	12	5,5	2	5	0,5				0089	0090	0091	0092	0093	0094
R0667-01	8	14	7,5	1,2	5	0,5				0095	0096	0097	0098	0099	0100
R0667-01	8	14	7,5	1,5	5	0,5					0101	0102	0103	0104	0105
R0667-01	8	14	7,5	2	5	0,5					0106	0107	0108	0109	
R0667-01	10	16	9,5	1,5	5	0,5					0110	0111	0112	0113	
R0667-01	10	16	9,5	2	5	0,5						0114	0115	0116	
R0667-01	12	18	11,5	2	7	0,8						0117	0118	0119	
R0667-01	12	18	11,5	2,5	7	0,8						0120	0121	0122	

## R0668

Espulsore lamellare temprato DIN1530/ISO8693 a quattro raggi  
Hardened blade ejector pin DIN1530/ISO8693 with four angle radii



### Descrizione:

Esempio di ordinativo: **R0668-01-0001**

Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C  
Rivestimento: DLC su richiesta

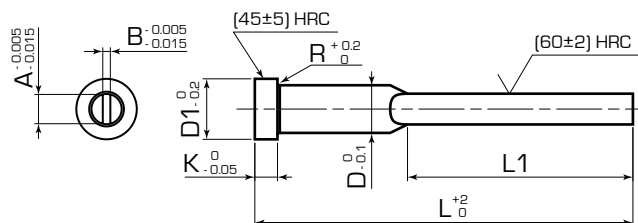
### Description:

Example of purchasing order: **R0668-01-0001**

Material: 1.2210 Hardened  
Max. work temperature: 250 °C  
Coating: DLC upon request

Codice Code	D	D1	A	B	K	R	L									
							63	80	100	125	160	200	250	315		
							L1									
							33	40	50	65	80	100	125	155		
R0668-01	3	6	2,8	0,5	3	0,3		0001	0002	0003	0004					
R0668-01	3	6	2,8	0,6	3	0,3		0005	0006	0007	0008					
R0668-01	3	6	2,8	0,8	3	0,3		0009	0010	0011	0012	0013				
R0668-01	3	6	2,8	1	3	0,3			0014	0015	0016	0017				
R0668-01	4,2	8	3,8	0,5	3	0,3		0018	0019	0020	0021					
R0668-01	4,2	8	3,8	0,6	3	0,3		0022	0023	0024	0025	0026				
R0668-01	4,2	8	3,8	0,8	3	0,3	0027	0028	0029	0030	0031	0032	0033			
R0668-01	4,2	8	3,8	1	3	0,3	0034	0035	0036	0037	0038	0039	0040	0041		
R0668-01	4,2	8	3,8	1,2	3	0,3		0042	0043	0044	0045	0046	0047	0048		
R0668-01	5	10	4,5	1	3	0,3		0049	0050	0051	0052	0053	0054	0055		
R0668-01	5	10	4,5	1,2	3	0,3		0056	0057	0058	0059	0060	0061	0062		
R0668-01	5	10	4,5	1,5	3	0,3			0063	0064	0065	0066	0067	0068		
R0668-01	6	12	5,5	1	5	0,5		0069	0070	0071	0072	0073	0074	0075		
R0668-01	6	12	5,5	1,2	5	0,5		0076	0077	0078	0079	0080	0081	0082		
R0668-01	6	12	5,5	1,5	5	0,5			0083	0084	0085	0086	0087	0088		
R0668-01	6	12	5,5	2	5	0,5			0089	0090	0091	0092	0093	0094		
R0668-01	8	14	7,5	1,2	5	0,5			0095	0096	0097	0098	0099	0100		
R0668-01	8	14	7,5	1,5	5	0,5				0101	0102	0103	0104	0105		
R0668-01	8	14	7,5	2	5	0,5					0106	0107	0108	0109		
R0668-01	10	16	9,5	1,5	5	0,5					0110	0111	0112	0113		
R0668-01	10	16	9,5	2	5	0,5						0114	0115	0116		
R0668-01	12	18	11,5	2	7	0,8							0117	0118	0119	
R0668-01	12	18	11,5	2,5	7	0,8								0120	0121	0122

## R0703 Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 Hardened blade ejector pin with extra long blade DIN1530F/ISO8693



### Descrizione:

Esempio di ordinativo: R0703-01-0001  
 Materiale: 1.2210 Temprato  
 Temperatura max. di esercizio: 250 °C  
 Rivestimento: DLC su richiesta

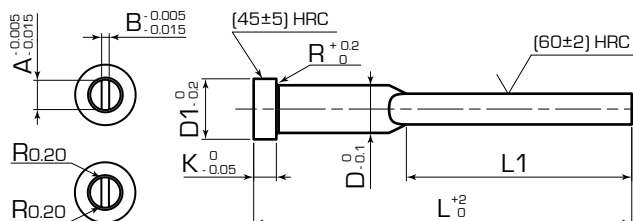
### Description:

Example of purchasing order: R0703-01-0001  
 Material: 1.2210 Hardened  
 Max. work temperature: 250 °C  
 Coating: DLC upon request

Codice Code	D	D1	A	B	R	K	L					
							125	160	200	250	315	
							L1					
							93	100	125	190	235	
R0703-01	3	6	2,8	0,6	0,3	3	0001	0002				
R0703-01	3	6	2,8	0,8	0,3	3	0003	0004	0005			
R0703-01	3	6	2,8	1	0,3	3	0006	0007	0008	0009		
R0703-01	4,2	8	3,8	0,6	0,3	3	0010	0011				
R0703-01	4,2	8	3,8	0,8	0,3	3	0012	0013	0014	0015		
R0703-01	4,2	8	3,8	1	0,3	3	0016	0017	0018	0019		
R0703-01	4,2	8	3,8	1,2	0,3	3	0020	0021	0022	0023		
R0703-01	5	10	4,5	1	0,3	3	0024	0025	0026	0027		
R0703-01	5	10	4,5	1,2	0,3	3	0028	0029	0030	0031		
R0703-01	5	10	4,5	1,5	0,3	3	0032	0033	0034	0035		
R0703-01	6	12	5,5	1	0,5	5	0036	0037	0038	0039		
R0703-01	6	12	5,5	1,2	0,5	5	0040	0041	0042	0043		
R0703-01	6	12	5,5	1,5	0,5	5	0044	0045	0046	0047	0048	
R0703-01	6	12	5,5	2	0,5	5		0049	0050	0051	0052	
R0703-01	8	14	7,5	1,2	0,5	5	0053	0054	0055	0056		
R0703-01	8	14	7,5	1,5	0,5	5	0057	0058	0059	0060	0061	
R0703-01	8	14	7,5	2	0,5	5		0062	0063	0064	0065	
R0703-01	10	16	9,5	1,5	0,5	5		0066	0067	0068	0069	
R0703-01	10	16	9,5	2	0,5	5		0070	0071	0072	0073	
R0703-01	12	18	11,5	2	0,8	7		0074	0075	0076	0077	
R0703-01	12	18	11,5	2,5	0,8	7		0078	0079	0080	0081	

## R0704

Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 a due raggi  
Hardened blade ejector pin with extra long blade DIN1530F/ISO8693 with two angle radii



### Descrizione:

Esempio di ordinativo: R0704-01-0001

Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C  
Rivestimento: DLC su richiesta

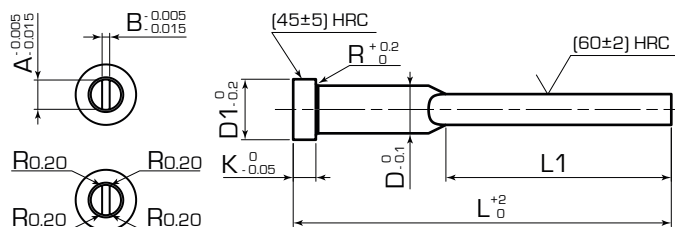
### Description:

Example of purchasing order: R0704-01-0001

Material: 1.2210 Hardened  
Max. work temperature: 250 °C  
Coating: DLC upon request

Codice Code	D	D1	A	B	R	K	L					
							125	160	200	250	315	
							L1					
							93	100	125	190	235	
R0704-01	3	6	2,8	0,6	0,3	3	0001	0002				
R0704-01	3	6	2,8	0,8	0,3	3	0003	0004	0005			
R0704-01	3	6	2,8	1	0,3	3	0006	0007	0008	0009		
R0704-01	4,2	8	3,8	0,6	0,3	3	0010	0011				
R0704-01	4,2	8	3,8	0,8	0,3	3	0012	0013	0014	0015		
R0704-01	4,2	8	3,8	1	0,3	3	0016	0017	0018	0019		
R0704-01	4,2	8	3,8	1,2	0,3	3	0020	0021	0022	0023		
R0704-01	5	10	4,5	1	0,3	3	0024	0025	0026	0027		
R0704-01	5	10	4,5	1,2	0,3	3	0028	0029	0030	0031		
R0704-01	5	10	4,5	1,5	0,3	3	0032	0033	0034	0035		
R0704-01	6	12	5,5	1	0,5	5	0036	0037	0038	0039		
R0704-01	6	12	5,5	1,2	0,5	5	0040	0041	0042	0043		
R0704-01	6	12	5,5	1,5	0,5	5	0044	0045	0046	0047	0048	
R0704-01	6	12	5,5	2	0,5	5		0049	0050	0051	0052	
R0704-01	8	14	7,5	1,2	0,5	5	0053	0054	0055	0056		
R0704-01	8	14	7,5	1,5	0,5	5	0057	0058	0059	0060	0061	
R0704-01	8	14	7,5	2	0,5	5		0062	0063	0064	0065	
R0704-01	10	16	9,5	1,5	0,5	5		0066	0067	0068	0069	
R0704-01	10	16	9,5	2	0,5	5		0070	0071	0072	0073	
R0704-01	12	18	11,5	2	0,8	7		0074	0075	0076	0077	
R0704-01	12	18	11,5	2,5	0,8	7		0078	0079	0080	0081	

## R0705 Espulsore lamellare temprato con lama extra lunga DIN1530F/ISO8693 a quattro raggi Hardened blade ejector pin with extra long blade DIN1530F/ISO8693 with four angle radii



### Descrizione:

Esempio di ordinativo: R0705-01-0001  
 Materiale: 1.2210 Temprato  
 Temperatura max. di esercizio: 250 °C  
 Rivestimento: DLC su richiesta

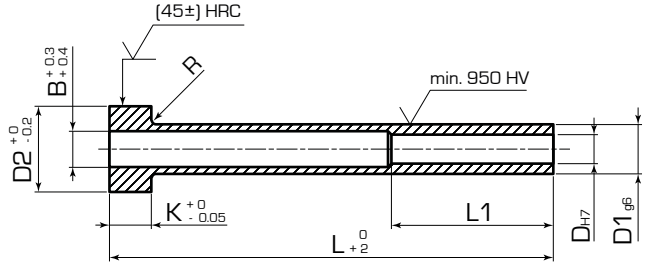
### Description:

Example of purchasing order: R0705-01-0001  
 Material: 1.2210 Hardened  
 Max. work temperature: 250 °C  
 Coating: DLC upon request

Codice Code	D	D1	A	B	R	K	L					
							125	160	200	250	315	
							L1					
							93	100	125	190	235	
R0705-01	3	6	2,8	0,6	0,3	3	0001	0002				
R0705-01	3	6	2,8	0,8	0,3	3	0003	0004	0005			
R0705-01	3	6	2,8	1	0,3	3	0006	0007	0008	0009		
R0705-01	4,2	8	3,8	0,6	0,3	3	0010	0011				
R0705-01	4,2	8	3,8	0,8	0,3	3	0012	0013	0014	0015		
R0705-01	4,2	8	3,8	1	0,3	3	0016	0017	0018	0019		
R0705-01	4,2	8	3,8	1,2	0,3	3	0020	0021	0022	0023		
R0705-01	5	10	4,5	1	0,3	3	0024	0025	0026	0027		
R0705-01	5	10	4,5	1,2	0,3	3	0028	0029	0030	0031		
R0705-01	5	10	4,5	1,5	0,3	3	0032	0033	0034	0035		
R0705-01	6	12	5,5	1	0,5	5	0036	0037	0038	0039		
R0705-01	6	12	5,5	1,2	0,5	5	0040	0041	0042	0043		
R0705-01	6	12	5,5	1,5	0,5	5	0044	0045	0046	0047	0048	
R0705-01	6	12	5,5	2	0,5	5		0049	0050	0051	0052	
R0705-01	8	14	7,5	1,2	0,5	5	0053	0054	0055	0056		
R0705-01	8	14	7,5	1,5	0,5	5	0057	0058	0059	0060	0061	
R0705-01	8	14	7,5	2	0,5	5		0062	0063	0064	0065	
R0705-01	10	16	9,5	1,5	0,5	5		0066	0067	0068	0069	
R0705-01	10	16	9,5	2	0,5	5		0070	0071	0072	0073	
R0705-01	12	18	11,5	2	0,8	7		0074	0075	0076	0077	
R0705-01	12	18	11,5	2,5	0,8	7		0078	0079	0080	0081	

## R0113

Espulsore a cannocchiale nitrurato DIN16756/ISO8405 - ECN  
Nitrided ejector sleeve DIN16756/ISO8405 - ECN



### Descrizione:

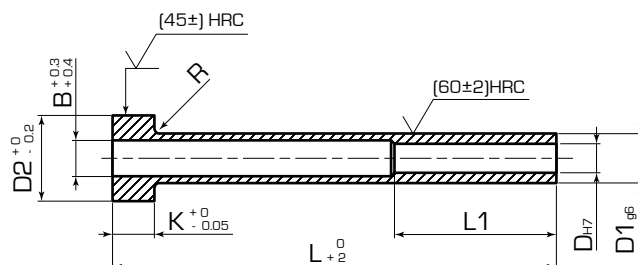
Esempio di ordinativo: **R0113-01-0001**  
Materiale: 1.2344 Nitrurato  
Temperatura max. di esercizio: 500/550 °C

### Description:

Example of purchasing order: **R0113-01-0001**  
Material: 1.2344 Nitrided  
Max. work temperature: 500/550 °C

Codice Code	D	D1	D2	K	L1	R	L																								
							75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	700	800							
R0113-01	1.5	3	6	3	30	0.3	0001	0002	0003	0004																					
R0113-01	1.6	3	6	3	30	0.3	0005	0006	0007	0008																					
R0113-01	2	4	8	3	30	0.3	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018															
R0113-01	2.2	4	8	3	30	0.3	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031												
R0113-01	2.5	5	10	3	30	0.3	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049							
R0113-01	2.7	5	10	3	30	0.3	0050	0051	0052	0053	0054	0055																			
R0113-01	3	5	10	3	30	0.3	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073							
R0113-01	3.2	5	10	3	30	0.3	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091							
R0113-01	3.5	6	12	5	30	0.3	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109							
R0113-01	3.7	6	12	5	45	0.5	0110	0111	0112	0113	0114	0115																			
R0113-01	4	6	12	5	45	0.5	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133							
R0113-01	4.2	8	14	5	45	0.5	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151							
R0113-01	4.5	8	14	5	45	0.5	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169							
R0113-01	5	8	14	5	45	0.5	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187							
R0113-01	5.2	8	14	5	45	0.5	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205							
R0113-01	5.5	8	14	5	45	0.5	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223							
R0113-01	6	10	16	5	45	0.5	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241							
R0113-01	6.2	10	16	5	45	0.5	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259							
R0113-01	6.5	10	16	5	45	0.5	0260	0261	0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277							
R0113-01	8	12	20	7	45	0.7	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295							
R0113-01	8.2	12	20	7	45	0.7	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	0312	0313							
R0113-01	8.5	12	20	7	45	0.7	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331							
R0113-01	10	14	22	7	45	0.7	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342	0343	0344	0345	0346	0347	0348	0349							
R0113-01	10.2	14	22	7	45	0.7	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359															
R0113-01	10.5	14	22	7	45	0.7	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369															
R0113-01	12	16	22	7	45	0.7	0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	0385	0386	0387							

## R0114 Espulsore a canocchiale temprato DIN16756/ISO8405 - ECT Hardened ejector sleeve DIN16756/ISO8405 - ECT



### Descrizione:

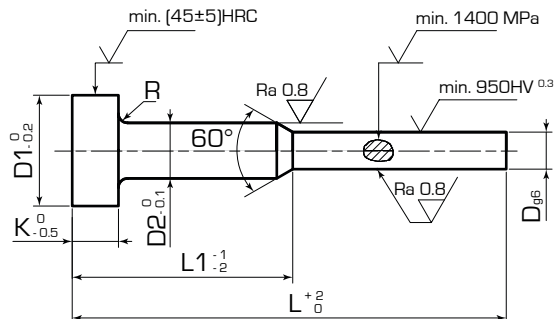
Esempio di ordinativo: R0114-01-0001  
Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C

### Description:

Example of purchasing order: R0114-01-0001  
Material: 1.2210 Hardened  
Max. work temperature: 250 °C

Codice Code	D	D1	D2	K	L1	R	L															
							60	75	100	125	150	175	200	225	250	275	300					
R0114-01	1.5	3	6	3	30	0.3	0220	0001	0002	0003	0004											
R0114-01	1.6	3	6	3	30	0.3	0224	0005	0006	0007	0008											
R0114-01	2	4	8	3	30	0.3	0204	0009	0010	0011	0012	0013	0014		0015							
R0114-01	2.2	4	8	3	30	0.3	0205	0016	0017	0018	0019	0020	0021		0022							
R0114-01	2.5	5	10	3	30	0.3	0206	0023	0024	0025	0026	0027	0028		0029							
R0114-01	2.7	5	10	3	30	0.3	0207	0030	0031	0032	0033	0034	0035									
R0114-01	3	5	10	3	30	0.3	0208	0036	0037	0038	0039	0040	0041		0042							
R0114-01	3.2	5	10	3	30	0.3	0209	0043	0044	0045	0046	0047	0048		0049							
R0114-01	3.5	6	12	5	30	0.3	0210	0050	0051	0052	0053	0054	0055		0056							
R0114-01	3.7	6	12	5	45	0.5	0211	0057	0058	0059	0060	0061	0062									
R0114-01	4	6	12	5	45	0.5	0212	0063	0064	0065	0066	0067	0068	0069	0070	0071						
R0114-01	4.2	8	14	5	45	0.5	0213	0072	0073	0074	0075	0076	0077	0078	0079	0080						
R0114-01	4.5	8	14	5	45	0.5		0082	0083	0084	0085	0086	0087	0088	0089	0090						
R0114-01	5	8	14	5	45	0.5	0214	0091	0092	0093	0094	0095	0096						0097			
R0114-01	5	12	14	5	45	0.5	0225															
R0114-01	5.2	8	14	5	45	0.5	0215	0098	0099	0100	0101	0102	0103	0104					0105			
R0114-01	5.5	8	14	5	45	0.5	0223	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115					
R0114-01	6	10	16	5	45	0.5	0216	0116	0117	0118	0119	0120	0121	0122					0123			
R0114-01	6.2	10	16	5	45	0.5	0217	0124	0125	0126	0127	0128	0129	0130					0131			
R0114-01	6.5	10	16	5	45	0.5	0221	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141					
R0114-01	8	12	20	7	45	0.7	0218	0142	0143	0144	0145	0146	0147	0148					0149			
R0114-01	8.2	12	20	7	45	0.7	0219	0150	0151	0152	0153	0154	0155	0156					0157			
R0114-01	8.5	12	20	7	45	0.7	0222	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167					
R0114-01	10	14	22	7	45	0.7		0168	0169	0170	0171	0172	0173	0174					0175			
R0114-01	10.2	14	22	7	45	0.7		0176	0177	0178	0179	0180	0181	0182	0183	0184	0185					
R0114-01	10.5	14	22	7	45	0.7		0186	0187	0188	0189	0190	0191	0192	0193	0194	0195					
R0114-01	12	16	22	7	45	0.7		0196	0197	0198	0199	0200	0201	0202					0203			

## R0110 Espulsore con spalla nitruato DIN1530/ISO8694 - C Nitrided stepped ejector pin DIN1530/ISO8694 - C



### Descrizione:

Esempio di ordinativo: **R0110-01-0001**  
 Materiale: 1.2344 Nitruato  
 Temperatura max. di esercizio: 500/550 °C  
 Rivestimento: DLC su richiesta

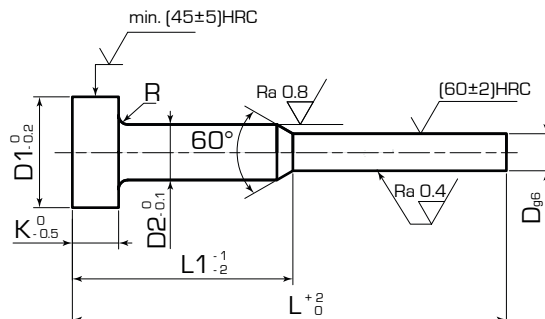
### Description:

Example of purchasing order: **R0110-01-0001**  
 Material: 1.2344 Nitrided  
 Max. work temperature: 500/550 °C  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	R	L											
						80	100	125	150	160	160	160	200	200	250	250	
						L1											
						35	50	50	50	50	63	75	75	80	75	100	
R0110-01	0.7	4	2	2	0.2		0001										
R0110-01	0.8	4	2	2	0.2	0002	0003	0004	0005	0006		0007					
R0110-01	0.9	4	2	2	0.2	0008	0009	0010	0011		0012	0013					
R0110-01	1	4	2	2	0.2	0014	0015	0016	0017	0018	0019	0020	0021				
R0110-01	1.1	4	2	2	0.2	0022	0023	0024	0025		0026	0027	0028				
R0110-01	1.2	4	2	2	0.2	0029	0030	0031	0032		0033	0034	0035				
R0110-01	1.3	4	2	2	0.2	0036	0037	0038	0039		0040	0041	0042				
R0110-01	1.4	4	2	2	0.2	0043	0044	0045	0046		0047	0048	0049				
R0110-01	1.5	6	3	3	0.3	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	
R0110-01	1.6	6	3	3	0.3	0061	0062	0063	0064		0065	0066	0067				
R0110-01	1.7	6	3	3	0.3	0068	0069	0070	0071		0072	0073	0074				
R0110-01	1.8	6	3	3	0.3	0075	0076	0077	0078		0079	0080	0081				
R0110-01	1.9	6	3	3	0.3	0082	0083	0084	0085		0086	0087	0088				
R0110-01	2	6	3	3	0.3	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	
R0110-01	2.1	6	3	3	0.3		0100	0101			0102	0103	0104				
R0110-01	2.2	6	3	3	0.3	0105	0106	0107	0108		0109	0110	0111				
R0110-01	2.3	6	3	3	0.3			0112			0113	0114					
R0110-01	2.4	6	3	3	0.3	0115					0116	0117	0118				
R0110-01	2.5	6	3	3	0.3		0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	
R0110-01	2.6	6	3	3	0.3			0129			0130	0131	0132				
R0110-01	2.7	6	3	3	0.3						0133	0134	0135				
R0110-01	2.8	6	3	3	0.3						0136	0137					
R0110-01	2.9	6	3	3	0.3						0138	0139					
R0110-01	3	8	4	3	0.3			0140			0141	0142	0143				
R0110-01	3.1	8	4	3	0.3						0144	0145					
R0110-01	3.2	8	4	3	0.3						0146	0147					
R0110-01	3.3	8	4	3	0.3						0148	0149					
R0110-01	3.4	8	4	3	0.3						0150	0151					
R0110-01	3.5	8	4	3	0.3						0152	0153					



## R0111 Espulsore con spalla temprato DIN1530/ISO8694 - CH Hardened stepped ejector pin DIN1530/ISO8694 - CH



### Descrizione:

Esempio di ordinativo: R0111-01-0001  
Materiale: 1.2210 Temprato  
Temperatura max. di esercizio: 250 °C

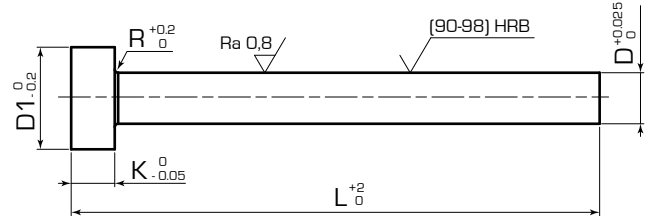
### Description:

Example of purchasing order: R0111-01-0001  
Material: 1.2210 Hardened  
Max. work temperature: 250 °C

Codice Code	D	D1	D2	K	R	L														
						63	80	100	125	150	160	160	160	200	200	250	250			
						L1														
						25	35	50	50	50	50	63	75	75	80	75	100			
R0111-01	0.5	4	2	2	0.2			0001	0002	0003			0004							
R0111-01	0.6	4	2	2	0.2			0005	0006	0007			0008							
R0111-01	0.7	4	2	2	0.2			0009	0010	0011			0012							
R0111-01	0.8	4	2	2	0.2	0013	0014	0015	0016	0017		0018	0019	0020						
R0111-01	0.9	4	2	2	0.2	0021	0022	0023	0024	0025		0026	0027	0028						
R0111-01	1	4	2	2	0.2	0029	0030	0031	0033	0035	0036	0037	0039	0040	0041					
R0111-01	1	6	3	3	0.3			0032	0034			0038			0042			0043		
R0111-01	1.1	4	2	2	0.2	0044	0045	0046	0047	0048		0049	0050	0051						
R0111-01	1.2	4	2	2	0.2	0052	0053	0054	0055	0056		0057	0058	0059	0060					
R0111-01	1.3	4	2	2	0.2	0061	0062	0063	0064	0065		0066	0067	0068						
R0111-01	1.4	4	2	2	0.2	0069	0070	0071	0072	0073		0074	0075	0076						
R0111-01	1.5	6	3	3	0.3	0077	0078	0080	0082	0083	0084	0086	0087	0088	0090			0091		
R0111-01	1.6	6	3	3	0.3		0092	0093	0094	0095		0096	0097	0098						
R0111-01	1.7	6	3	3	0.3		0099	0100	0101	0102		0103	0104	0105						
R0111-01	1.8	6	3	3	0.3		0106	0107	0108	0109		0110	0111	0112						
R0111-01	1.9	6	3	3	0.3		0113	0114	0115	0116		0117	0118	0119						
R0111-01	2	6	3	3	0.3		0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130			
R0111-01	2.1	6	3	3	0.3		0131	0132	0133	0134		0135	0136	0137						
R0111-01	2.2	6	3	3	0.3		0138	0139	0140	0141		0142	0143	0144						
R0111-01	2.3	6	3	3	0.3		0145	0146	0147	0148		0149	0150	0151						
R0111-01	2.4	6	3	3	0.3		0152	0153	0154	0155		0156	0157	0158						
R0111-01	2.5	6	3	3	0.3		0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169			
R0111-01	2.6	6	3	3	0.3			0170	0171			0172	0173							
R0111-01	2.7	6	3	3	0.3				0175			0176	0177	0174						
R0111-01	2.8	6	3	3	0.3			0178	0179			0180	0181							
R0111-01	2.9	6	3	3	0.3							0182	0183	0184						

## R0107

Espulsore testa cilindrica rame (senza berillio) DIN1530/ISO6751 - A7  
Copper ejector pin cylindrical head (beryllium - free) DIN1530/ISO6751 - A7



### Descrizione:

Esempio di ordinativo: R0107-01-0001  
Materiale: Rame senza berillio  
Temperatura max. di esercizio: 360 °C

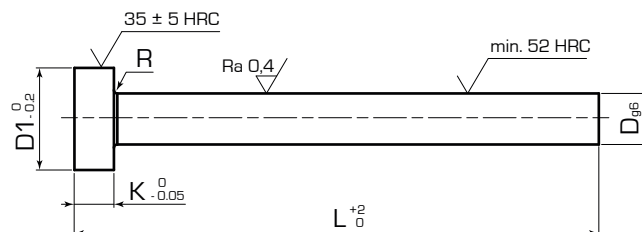
### Description:

Example of purchasing order: R0107-01-0001  
Material: Copper beryllium free  
Max. work temperature: 360 °C

Codice Code	D	D1	K	R	L			
					100	160	250	315
R0107-01	1.5	3	1.5	0.2	0001			
R0107-01	2.5	5	2	0.3	0002	0003	0004	
R0107-01	3	6	3	0.3	0005	0006	0007	
R0107-01	3.5	7	3	0.3	0008	0009	0010	
R0107-01	4	8	3	0.3	0011	0012		0014
R0107-01	4.5	8	3	0.3	0015	0016		
R0107-01	5	10	3	0.3	0017	0018		0019
R0107-01	6	12	5	0.5	0020	0021		0022
R0107-01	7	12	5	0.5	0023	0024	0025	
R0107-01	8	14	5	0.5	0026	0027		
R0107-01	10	16	5	0.5	0028	0029		0030
R0107-01	12	18	7	0.8	0031	0032	0033	0034
R0107-01	14	22	7	0.8	0035	0036		0037
R0107-01	16	22	7	0.8	0038	0039		0040

## R0480

Espulsore testa cilindrica temprato Inox DIN/ISO 6751  
Hardened stainless steel ejector pin cylindrical head DIN/ISO 6751



### Descrizione:

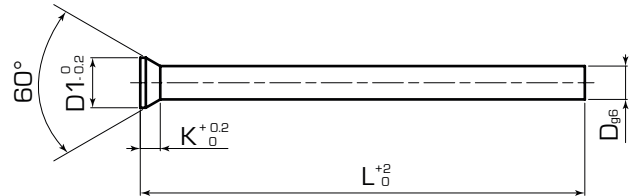
Esempio di ordinativo: R0480-01-0001  
Materiale: 1.4125  
Temperatura max. di esercizio: 250 °C

### Description:

Example of purchasing order: R0480-01-0001  
Material: 1.4125  
Max. work temperature: 250 °C

Codice Code	D	D1	K	R	L								
					100	125	160	200	250	315	400	500	
R0480-01	1	2.5	1.2	0.2	0001	0002	0003	0004					
R0480-01	1.5	3	1.5	0.2	0005	0006	0007	0008					
R0480-01	2	4	2	0.2	0009	0010	0011	0012	0013	0014			
R0480-01	2.5	5	2	0.2	0015	0016	0017	0018	0019	0020			
R0480-01	3	6	3	0.3	0021	0022	0023	0024	0025	0026	0027	0028	
R0480-01	3.5	7	3	0.3	0029	0030	0031	0032	0033	0034	0035	0036	
R0480-01	4	8	3	0.3	0037	0038	0039	0040	0041	0042	0043	0044	
R0480-01	4.5	8	3	0.3	0045	0046	0047	0048	0049	0050	0051	0052	
R0480-01	5	10	3	0.3	0053	0054	0055	0056	0057	0058	0059	0060	
R0480-01	5.5	10	3	0.3	0061	0062	0063	0064	0065	0066	0067	0068	
R0480-01	6	12	5	0.5	0069	0070	0071	0072	0073	0074	0075	0076	
R0480-01	6.5	12	5	0.5	0077	0078	0079	0080	0081	0082	0083	0084	
R0480-01	8	14	5	0.5	0085	0086	0087	0088	0089	0090	0091	0092	
R0480-01	10	16	5	0.5	0093	0094	0095	0096	0097	0098	0099	0100	

## R0112 Espulsore testa conica nitrurato DIN1530 - DN Nitrided ejector pin conical head DIN1530 - DN



### Descrizione:

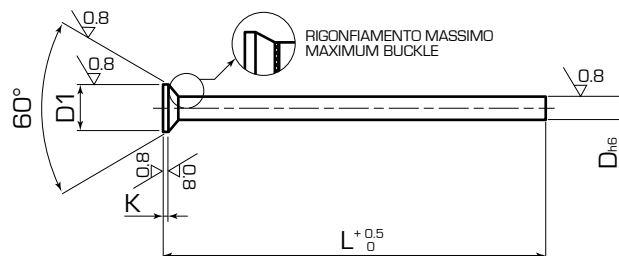
Esempio di ordinativo: **R0112-01-0001**  
 Materiale: 1.2344 Nitrurato  
 Temperatura max. di esercizio: 500/550 °C  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: **R0112-01-0001**  
 Material: 1.2344 Nitrided  
 Max. work temperature: 500/550 °C  
 Coating: DLC upon request

Codice Code	D	D1	K	L						
				100	125	160	200	250	315	400
R0112-01	3	4.5	1.8	0001	0002	0003	0004	0005		
R0112-01	4	5.5	1.6	0006	0007	0008	0009	0010	0011	
R0112-01	5	6.5	1.6	0012	0013	0014	0015	0016	0017	
R0112-01	6	8	2.6	0018	0019	0020	0021	0022	0023	
R0112-01	8	10	2.7	0024	0025	0026	0027	0028	0029	0030
R0112-01	10	12	2.7	0031	0032	0033	0034	0035	0036	0037
R0112-01	12	14	2.7	0038	0039	0040	0041	0042	0043	0044
R0112-01	14	16	3.2			0045	0046	0047	0048	0049
R0112-01	16	18	3.2			0050	0051	0052	0053	0054

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

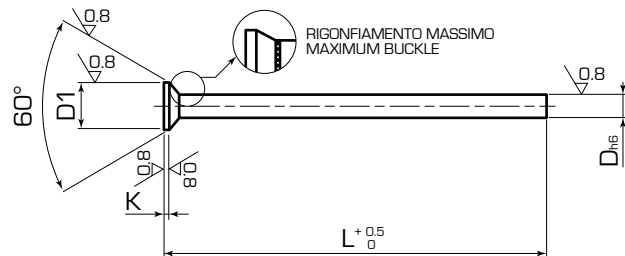
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	0.5	0.9	0.3	0001	0002	0003				
R0173-02	0.6	1.1	0.3	0004	0005	0006				
R0173-02	0.7	1.3	0.4	0007	0008	0009				
R0173-02	0.75	1.3	0.4	0010	0011	0012				
R0173-02	0.8	1.4	0.5	0013	0014	0015				
R0173-02	0.9	1.6	0.5	0016	0017	0018				
R0173-02	1	1.8	0.5	0019	0020	0021	0022	0023	0024	
R0173-02	1.1	1.8	0.5	0025	0026	0027	0028	0029	0030	
R0173-02	1.2	2	0.5	0031	0032	0033	0034	0035	0036	
R0173-02	1.25	2	0.5	0037	0038	0039	0040	0041	0042	
R0173-02	1.3	2	0.5	0043	0044	0045	0046	0047	0048	
R0173-02	1.4	2.2	0.6	0049	0050	0051	0052	0053	0054	
R0173-02	1.5	2.2	0.6	0055	0056	0057	0058	0059	0060	
R0173-02	1.6	2.5	0.6	0061	0062	0063	0064	0065	0066	
R0173-02	1.7	2.5	0.6	0067	0068	0069	0070	0071	0072	
R0173-02	1.75	2.8	0.6	0073	0074	0075	0076	0077	0078	
R0173-02	1.8	2.8	0.6	0079	0080	0081	0082	0083	0084	
R0173-02	1.9	2.8	0.6	0085	0086	0087	0088	0089	0090	
R0173-02	2	3	0.7	0091	0092	0093	0094	0095	0096	0097
R0173-02	2.1	3.2	0.7	0098	0099	0100	0101	0102	0104	0105
R0173-02	2.2	3.2	0.7	0106	0107	0108	0109	0110	0111	0112
R0173-02	2.25	3.5	0.8	0113	0114	0115	0116	0117	0118	0119
R0173-02	2.3	3.5	0.8	0120	0121	0122	0123	0124	0125	0126
R0173-02	2.4	3.5	0.8	0127	0128	0129	0130	0131	0132	0133
R0173-02	2.5	3.5	0.8	0134	0135	0136	0137	0138	0139	0140
R0173-02	2.6	4	0.8	0141	0142	0143	0144	0145	0146	0147
R0173-02	2.7	4	0.8	0148	0149	0150	0151	0152	0153	0154
R0173-02	2.75	4	0.8	0155	0156	0157	0158	0159	0160	0161
R0173-02	2.8	4	0.8	0162	0163	0164	0165	0166	0167	0168
R0173-02	2.9	4	0.8	0169	0170	0171	0172	0173	0174	0175
R0173-02	3	4.5	0.8	0176	0177	0178	0179	0180	0181	0182
R0173-02	3.1	4.5	0.8	0183	0184	0185	0186	0187	0188	0189
R0173-02	3.2	4.5	0.8	0190	0191	0192	0193	0194	0195	0196
R0173-02	3.25	4.5	0.8	0197	0198	0199	0200	0201	0202	0203
R0173-02	3.3	4.5	0.8	0204	0205	0206	0207	0208	0209	0210
R0173-02	3.4	4.5	0.8	0211	0212	0213	0214	0215	0216	0217
R0173-02	3.5	5	0.8	0218	0219	0220	0221	0222	0223	0224
R0173-02	3.6	5	0.8	0225	0226	0227	0228	0229	0230	0231
R0173-02	3.7	5	0.8	0232	0233	0234	0235	0236	0237	0238
R0173-02	3.75	5	0.8	0239	0240	0241	0242	0243	0244	0245

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

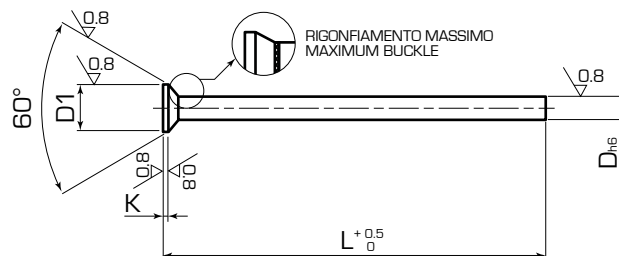
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	3.8	5	0.8	0246	0247	0248	0249	0250	0251	0252
R0173-02	3.9	5	0.8	0253	0254	0255	0256	0257	0258	0259
R0173-02	4	5.5	0.8	0260	0261	0262	0263	0264	0265	0266
R0173-02	4.1	5.5	0.8	0267	0268	0269	0270	0271	0272	0273
R0173-02	4.2	5.5	0.8	0274	0275	0276	0277	0278	0279	0280
R0173-02	4.25	5.5	0.8	0281	0282	0283	0284	0285	0286	0287
R0173-02	4.3	5.5	0.8	0288	0289	0290	0291	0292	0293	0294
R0173-02	4.4	5.5	0.8	0295	0296	0297	0298	0299	0300	0301
R0173-02	4.5	6	0.8	0302	0303	0304	0305	0306	0307	0308
R0173-02	4.6	6	0.8	0309	0310	0311	0312	0313	0314	0315
R0173-02	4.7	6	0.8	0316	0317	0318	0319	0320	0321	0322
R0173-02	4.75	6	0.8	0323	0324	0325	0326	0327	0328	0329
R0173-02	4.8	6	0.8	0330	0331	0332	0333	0334	0335	0336
R0173-02	4.9	6	0.8	0337	0338	0339	0340	0341	0342	0343
R0173-02	5	6.5	0.8	0344	0345	0346	0347	0348	0349	0350
R0173-02	5.1	6.5	0.8	0351	0352	0353	0354	0355	0356	0357
R0173-02	5.2	6.5	0.8	0358	0359	0360	0361	0362	0363	0364
R0173-02	5.25	6.5	0.8	0365	0366	0367	0368	0369	0370	0371
R0173-02	5.3	6.5	0.8	0372	0373	0374	0375	0376	0377	0378
R0173-02	5.4	6.5	0.8	0379	0380	0381	0382	0383	0384	0385
R0173-02	5.5	7	0.8	0386	0387	0388	0389	0390	0391	0392
R0173-02	5.6	7	0.8	0393	0394	0395	396	0397	0398	0399
R0173-02	5.7	7	0.8	0400	0401	0402	0403	0404	0405	0406
R0173-02	5.75	7	0.8	0407	0408	0409	0410	0411	0412	0413
R0173-02	5.8	7	0.8	0414	0415	0416	0417	0418	0419	0420
R0173-02	5.9	7	0.8	0421	0422	0423	0424	0425	0426	0427
R0173-02	6	8	0.8	0428	0429	0430	0431	0432	0433	0434
R0173-02	6.1	8	0.8	0435	0436	0437	0438	0439	0440	0441
R0173-02	6.2	8	0.8	0442	0443	0444	0445	0446	0447	0448
R0173-02	6.25	8	0.8	0449	0450	0451	0452	0453	0454	0455
R0173-02	6.3	8	0.8	0456	0457	0458	0459	0460	0461	0462
R0173-02	6.4	8	0.8	0463	0464	0465	0466	0467	0467	0468
R0173-02	6.5	9	1	0470	0471	0472	0473	0474	0475	0476
R0173-02	6.6	9	1	0477	0478	0479	0480	0481	0482	0483
R0173-02	6.7	9	1	0484	0485	0486	0487	0488	0489	0490
R0173-02	6.75	9	1	0491	0492	0493	0494	0495	0496	0497
R0173-02	6.8	9	1	0498	0499	0500	0501	0502	0503	0504
R0173-02	6.9	9	1	0505	0506	0507	0508	0509	0511	0512
R0173-02	7	9	1	0512	0513	0514	0515	0516	0517	0518
R0173-02	7.1	9	1	0519	0520	0521	0522	0523	0524	0525

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

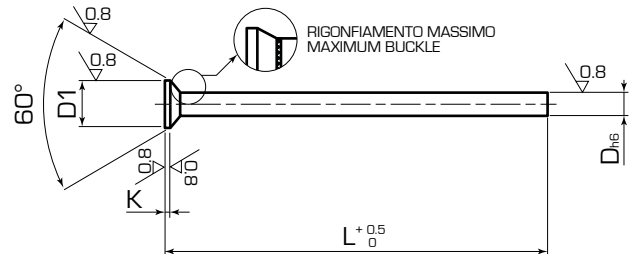
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	7.2	9	1	0526	0527	0528	0529	0530	0531	0532
R0173-02	7.25	9	1	0533	0534	0535	0536	0537	0538	0539
R0173-02	7.3	9	1	0540	0541	0542	0543	0544	0545	0546
R0173-02	7.4	9	1	0547	0548	0549	0550	0551	0552	0553
R0173-02	7.5	10	1.2	0554	0555	0556	0557	0558	0559	0560
R0173-02	7.6	10	1.2	0561	0562	0563	0564	0565	0566	0567
R0173-02	7.7	10	1.2	0568	0569	0570	0571	0572	0573	0574
R0173-02	7.75	10	1.2	0575	0576	0577	0578	0579	0580	0581
R0173-02	7.8	10	1.2	0582	0583	0584	0585	0586	0587	0588
R0173-02	7.9	10	1.2	0589	0590	0591	0592	0593	0594	0595
R0173-02	8	10	1.2	0596	0597	0598	0599	0600	0601	0602
R0173-02	8.1	10	1.2	0603	0604	0605	0606	0607	0608	0609
R0173-02	8.2	10	1.2	0610	0611	0612	0613	0614	0615	0616
R0173-02	8.25	10	1.2	0617	0618	0619	0620	0621	0622	0623
R0173-02	8.3	10	1.2	0624	0625	0626	0627	0628	0629	0630
R0173-02	8.4	10	1.2	0631	0632	0633	0634	0635	0636	0637
R0173-02	8.5	11	1.2	0638	0639	0640	0641	0642	0643	0644
R0173-02	8.6	11	1.2	0645	0646	0647	0648	0649	0650	0651
R0173-02	8.7	11	1.2	0652	0653	0654	0655	0656	0657	0658
R0173-02	8.75	11	1.2	0659	0660	0661	0662	0663	0664	0665
R0173-02	8.8	11	1.2	0666	0667	0668	0669	0670	0671	0672
R0173-02	8.9	1	1.2	0673	0674	0675	0676	0677	0678	0679
R0173-02	9	11	1.2	0680	0681	0682	0683	0684	0685	0686
R0173-02	9.1	11	1.2	0687	0688	0689	0690	0691	0692	0693
R0173-02	9.2	11	1.2	0694	0695	0696	0697	0698	0699	0700
R0173-02	9.25	11	1.2	0701	0702	0703	0704	0705	0706	0707
R0173-02	9.3	11	1.2	0708	0709	0710	0711	0712	0713	0714
R0173-02	9.4	11	1.2	0715	0716	0717	0718	0719	0720	0721
R0173-02	9.5	12	1.2	0722	0723	0724	0725	0726	0727	0728
R0173-02	9.6	12	1.2	0729	0730	0731	0732	0733	0734	0735
R0173-02	9.7	12	1.2	0736	0737	0738	0739	0740	0741	0742
R0173-02	9.75	12	1.2	0743	0744	0745	0746	0747	0748	0749
R0173-02	9.8	12	1.2	0750	0751	0752	0753	0754	0755	0756
R0173-02	9.9	12	1.2	0757	0758	0759	0760	0761	0762	0763
R0173-02	10	12	1.2	0764	0765	0766	0767	0768	0769	0770
R0173-02	10.1	12	1.2	0771	0772	0773	0774	0775	0776	0777
R0173-02	10.2	12	1.2	0778	0779	0780	0781	0782	0783	0784
R0173-02	10.25	12	1.2	0785	0786	0787	0788	0789	0790	0791
R0173-02	10.3	12	1.2	0792	0793	0794	0795	0796	0797	0798
R0173-02	10.4	12	1.2	0799	0800	0801	0802	0803	0804	0805

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

Esempio di ordinativo: **R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

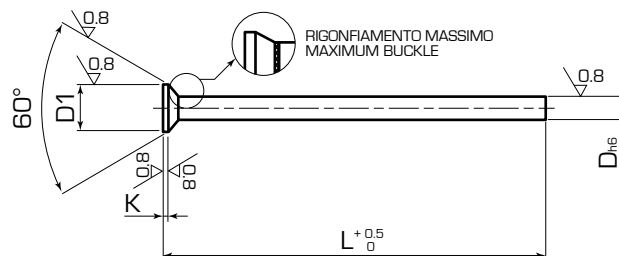
### Description:

Example of purchasing order: **R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	10.5	13	1.2	0806	0807	0808	0809	0810	0811	0812
R0173-02	10.6	13	1.2	0813	0814	0815	0816	0817	0818	0819
R0173-02	10.7	13	1.2	0820	0821	0822	0823	0824	0825	0826
R0173-02	10.75	13	1.2	0827	0828	0829	0830	0831	0832	0833
R0173-02	10.8	13	1.2	0834	0835	0836	0837	0838	0839	0840
R0173-02	10.9	13	1.2	0841	0842	0843	0844	0845	0846	0847
R0173-02	11	13	1.2	0848	0849	0850	0851	0852	0853	0854
R0173-02	11.1	13	1.2	0855	0856	0857	0858	0859	0860	0861
R0173-02	11.2	13	1.2	0862	0863	0864	0865	0866	0867	0868
R0173-02	11.25	13	1.2	0869	0870	0871	0872	0873	0874	0875
R0173-02	11.3	13	1.2	0876	0877	0878	0879	0880	0881	0882
R0173-02	11.4	13	1.2	0883	0884	0885	0886	0887	0888	0889
R0173-02	11.5	14	1.2	0890	0891	0892	0893	0894	0895	0896
R0173-02	11.6	14	1.2	0897	0898	0899	0900	0901	0902	0903
R0173-02	11.7	14	1.2	0904	0905	0906	0907	0908	0909	0910
R0173-02	11.75	14	1.2	0911	0912	0913	0914	0915	0916	0917
R0173-02	11.8	14	1.2	0918	0919	0920	0921	0922	0923	0924
R0173-02	11.9	14	1.2	0925	0926	0927	0928	0929	0930	0931
R0173-02	12	14	1.2	0932	0933	0934	0935	0936	0937	0938
R0173-02	12.1	14	1.2	0939	0940	0941	0942	0943	0944	0945
R0173-02	12.2	14	1.2	0946	0947	0948	0949	0950	0951	0952
R0173-02	12.25	14	1.2	0953	0954	0955	0956	0957	0958	0959
R0173-02	12.3	14	1.2	0960	0961	0962	0963	0964	0965	0966
R0173-02	12.4	14	1.2	0967	0968	0969	0970	0971	0972	0973
R0173-02	12.5	15	1.5	0974	0975	0976	0977	0978	0979	0980
R0173-02	12.6	15	1.5	0981	0982	0983	0984	0985	0986	0987
R0173-02	12.7	15	1.5	0988	0989	0990	0991	0992	0993	0994
R0173-02	12.8	15	1.5	0995	0996	0997	0998	0999	1000	1001
R0173-02	12.9	15	1.5	1002	1003	1004	1005	1006	1007	1008
R0173-02	13	15	1.5	1009	1010	1011	1012	1013	1014	1015
R0173-02	13.1	15	1.5	1016	1017	1018	1019	1020	1021	1022
R0173-02	13.2	15	1.5	1023	1024	1025	1026	1027	1028	1029
R0173-02	13.3	15	1.5	1030	1031	1032	1033	1034	1035	1036
R0173-02	13.4	15	1.5	1037	1038	1039	1040	1041	1042	1043
R0173-02	13.5	16	1.5	1044	1045	1046	1047	1048	1049	1050
R0173-02	13.6	16	1.5	1051	1052	1053	1054	1055	1056	1057
R0173-02	13.7	16	1.5	1058	1059	1060	1061	1062	1063	1064
R0173-02	13.8	16	1.5	1065	1066	1067	1068	1069	1070	1071
R0173-02	13.9	16	1.5	1072	1073	1074	1075	1076	1077	1078
R0173-02	14	16	1.5	1079	1080	1081	1082	1083	1084	1085



## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

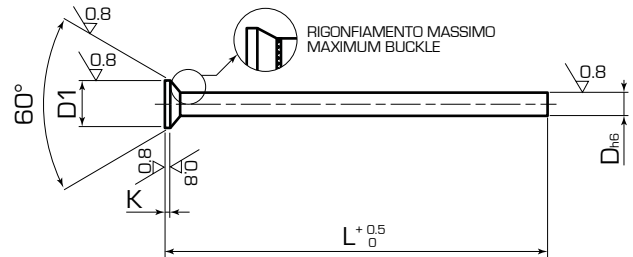
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	14.1	16	1.5	1086	1087	1088	1089	1090	1091	1092
R0173-02	14.2	16	1.5	1093	1094	1095	1096	1097	1098	1099
R0173-02	14.3	16	1.5	1100	1101	1102	1103	1104	1105	1106
R0173-02	14.4	16	1.5	1107	1108	1109	1110	1111	1112	1113
R0173-02	14.5	17	1.5	1114	1115	1116	1117	1118	1119	1120
R0173-02	14.6	17	1.5	1121	1122	1123	1124	1125	1126	1127
R0173-02	14.7	17	1.5	1128	1129	1130	1131	1132	1133	1134
R0173-02	14.8	17	1.5	1135	1136	1137	1138	1139	1140	1141
R0173-02	14.9	17	1.5	1142	1143	1144	1145	1146	1147	1148
R0173-02	15	18	1.8	1149	1150	1151	1152	1153	1154	1155
R0173-02	15.1	18	1.8	1156	1157	1158	1159	1160	1161	1162
R0173-02	15.2	18	1.8	1163	1164	1165	1166	1167	1168	1169
R0173-02	15.3	18	1.8	1170	1171	1172	1173	1174	1175	1176
R0173-02	15.4	18	1.8	1177	1178	1179	1180	1181	1182	1183
R0173-02	15.5	18	1.8	1184	1185	1186	1187	1188	1189	1190
R0173-02	15.6	18	1.8	1191	1192	1193	1194	1195	1196	1197
R0173-02	15.7	18	1.8	1198	1199	1200	1201	1202	1203	1204
R0173-02	15.8	18	1.8	1205	1206	1207	1208	1209	1210	1211
R0173-02	15.9	18	1.8	1212	1213	1214	1215	1216	1217	1218
R0173-02	16	19	1.8	1219	1220	1221	1222	1223	1224	1225
R0173-02	16.1	19	1.8	1226	1227	1228	1229	1230	1231	1232
R0173-02	16.2	19	1.8	1233	1234	1235	1236	1237	1238	1239
R0173-02	16.3	19	1.8	1240	1241	1242	1243	1244	1245	1246
R0173-02	16.3	19	1.8	1247	1248	1249	1250	1251	1252	1253
R0173-02	16.5	19	1.8	1254	1255	1256	1567	1258	1259	1260
R0173-02	16.6	19	1.8	1261	1262	1263	1264	1265	1266	1267
R0173-02	16.7	19	1.8	1268	1269	1270	1271	1272	1273	1274
R0173-02	16.8	19	1.8	1275	1276	1277	1278	1279	1280	1281
R0173-02	16.9	19	1.8	1282	1283	1284	1285	1286	1287	1288
R0173-02	17	20	1.8	1289	1290	1291	1292	1293	1294	1295
R0173-02	17.1	20	1.8	1296	1297	1298	1299	1300	1301	1302
R0173-02	17.2	20	1.8	1303	1304	1305	1306	1307	1308	1309
R0173-02	17.3	20	1.8	1310	1311	1312	1313	1314	1315	1316
R0173-02	17.4	20	1.8	1317	1318	1319	1320	1321	1322	1323
R0173-02	17.5	20	1.8	1324	1325	1326	1327	1328	1329	1330
R0173-02	17.6	20	1.8	1331	1332	1333	1334	1335	1336	1337
R0173-02	17.7	20	1.8	1338	1339	1340	1341	1342	1343	1344
R0173-02	17.8	20	1.8	1345	1346	1347	1348	1349	1350	1351
R0173-02	17.9	20	1.8	1352	1353	1354	1355	1356	1357	1358
R0173-02	18	21	1.8	1359	1360	1361	1362	1363	1364	1365

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

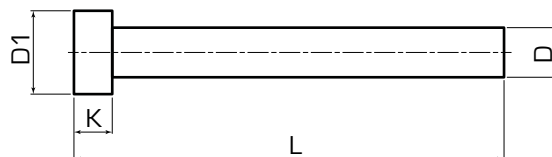
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	18.1	21	1.8	1366	1367	1368	1369	1370	1371	1372
R0173-02	18.2	21	1.8	1373	1374	1375	1376	1377	1378	1379
R0173-02	18.3	21	1.8	1380	1381	1382	1383	1384	1385	1386
R0173-02	18.4	21	1.8	1387	1388	1389	1390	1391	1392	1393
R0173-02	18.5	21	1.8	1394	1395	1396	1397	1398	1399	1400
R0173-02	18.6	21	1.8	1401	1402	1403	1404	1405	1406	1407
R0173-02	18.7	21	1.8	1408	1409	1410	1411	1412	1413	1414
R0173-02	18.8	21	1.8	1415	1416	1417	1418	1419	1420	1421
R0173-02	18.9	21	1.8	1422	1423	1424	1425	1426	1427	1428
R0173-02	19	22	1.8	1429	1430	1431	1432	1433	1434	1435
R0173-02	19.1	22	1.8	1436	1437	1438	1439	1440	1441	1442
R0173-02	19.2	22	1.8	1443	1444	1445	1446	1447	1448	1449
R0173-02	19.3	22	1.8	1450	1451	1452	1453	1454	1455	1456
R0173-02	19.4	22	1.8	1457	1458	1459	1460	1461	1462	1463
R0173-02	19.5	22	1.8	1464	1465	1466	1467	1468	1469	1470
R0173-02	19.6	22	1.8	1471	1472	1473	1474	1475	1476	1477
R0173-02	19.7	22	1.8	1478	1479	1480	1481	1482	1483	1484
R0173-02	19.8	22	1.8	1485	1486	1487	1488	1489	1490	1491
R0173-02	19.9	22	1.8	1492	1493	1494	1495	1496	1497	1498
R0173-02	20	22	1.8	1499	1500	1501	1502	1503	1504	1505

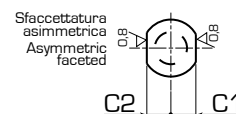
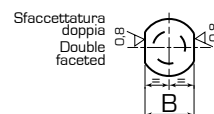
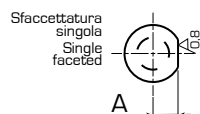
## R0115 Espulsore lavorato - ESP Shaped ejector pin - ESP



TIPO 1  
TYPE 1

TIPO 2  
TYPE 2

TIPO 3  
TYPE 3



### Descrizione:

Esempio di ordinativo:

Codice x Tipo Sfaccettatura x L (standard catalogo) x Materiale

Le misure in tabella sono basate su DIN1530A

Nota: a richiesta espulsori tagliati a misura

### Decription:

Example of purchasing order:

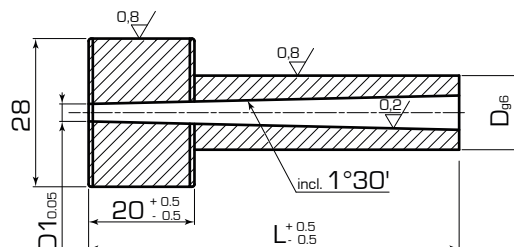
Code x Type Faceted x L (catalogue standard) x Material

Dimension reported are based on DIN1530A

Note: custom length available on request

Codice Code	D	D1	A	B	C1	C2	K
R0115-01-0001	2	4	1.2	2.5	1.1	1.4	2
R0115-01-0002	2.2	4	1.2	2.5	1.2	1.3	2
R0115-01-0003	2.5	5	1.4	2.9	1.3	1.6	2
R0115-01-0004	3	6	1.7	3.9	1.6	2.3	3
R0115-01-0005	3.2	6	1.7	3.9	1.7	2.2	3
R0115-01-0006	3.5	6	2.4	5.3	2.4	2.9	3
R0115-01-0007	4	8	2.5	5.5	2.4	3.1	3
R0115-01-0008	4.2	8	2.5	5.5	2.4	3.1	3
R0115-01-0009	4.5	8	2.5	5.5	2.4	3.1	3
R0115-01-0010	5	10	3	6.5	2.9	3.6	3
R0115-01-0011	5.2	10	3	6.5	2.9	3.6	3
R0115-01-0012	5.5	10	3	6.5	2.9	3.6	3
R0115-01-0013	6	12	3.5	7.5	3.4	4.1	5
R0115-01-0014	6.2	12	3.5	7.5	3.4	4.1	5
R0115-01-0015	6.5	12	3.5	7.5	3.4	4.1	5
R0115-01-0016	7	12	4	8.5	3.9	4.6	5
R0115-01-0017	7.5	12	4	8.5	3.9	4.6	5
R0115-01-0018	8	14	4.5	9.5	4.4	5.1	5
R0115-01-0019	8.2	14	4.5	9.5	4.4	5.1	5
R0115-01-0020	8.5	14	4.5	9.5	4.4	5.1	5
R0115-01-0021	9	14	5	10.5	4.9	5.6	5
R0115-01-0022	10	16	5.5	11.5	5.4	6.1	5
R0115-01-0023	10.2	16	5.5	11.5	5.4	6.1	5
R0115-01-0024	11	16	6	12.5	5.9	6.6	5
R0115-01-0025	12	18	6.5	13.5	6.4	7.1	7
R0115-01-0026	14	22	8.5	17.5	8.4	9.1	7
R0115-01-0027	16	22	9	18.5	8.9	9.6	7
R0115-01-0028	18	24	10	20.5	9.9	10.6	7
R0115-01-0029	20	26	11	22.5	10.9	11.6	8
R0115-01-0030	25	32	13	26.5	12.9	13.6	10
R0115-01-0031	32	40	17	34.5	16.9	17.6	10

## R0130 Bussola di iniezione non temprata - BI Not hardened sprue bush - BI



### Descrizione:

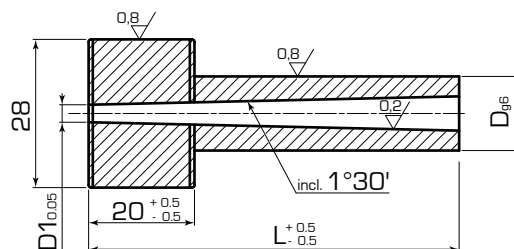
Esempio di ordinativo: R0130-01-0001  
Materiale: UNI 18 Ni Cr Mo 5

### Description:

Example of purchasing order: R0130-01-0001  
Material: UNI 18 Ni Cr Mo 5

Codice Code	D	D1	L								
			50	65	75	85	95	105	115	125	150
R0130-01	14	3.3	0001	0003	0005	0007	0009	0011	0013	0015	0017
R0130-01	14	4.3	0002	0004	0006	0008	0010	0012	0014	0016	0018
R0130-01	18	3.3	0019	0021	0023	0025	0027	0029	0031	0033	0035
R0130-01	18	4.3	0020	0022	0024	0026	0028	0030	0032	0034	0036

## R0131 Bussola di iniezione temprata - BIT Hardened sprue bush - BIT



### Descrizione:

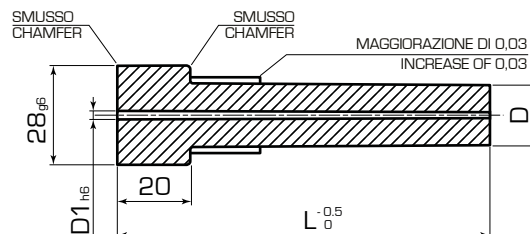
Esempio di ordinativo: R0131-01-0001  
Materiale: UNI 18 Ni Cr Mo 5 Temprato

### Description:

Example of purchasing order: R0131-01-0001  
Material: UNI 18 Ni Cr Mo 5 Hardened

Codice Code	D	D1	L								
			50	65	75	85	95	105	115	125	150
R0131-01	14	3.3	0001	0003	0005	0007	0009	0011	0013	0015	0017
R0131-01	14	4.3	0002	0004	0006	0008	0010	0012	0014	0016	0018
R0131-01	18	3.3	0019	0021	0023	0025	0027	0029	0031	0033	0035
R0131-01	18	4.3	0020	0022	0024	0026	0028	0030	0032	0034	0036

## R0481 Bussola di iniezione sbozzata Semi-finished sprue bush



### Descrizione:

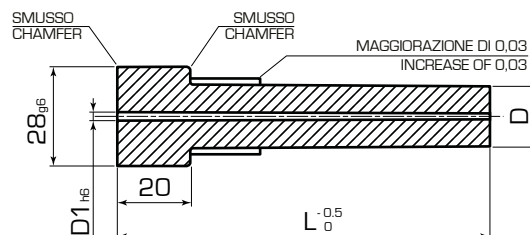
Esempio di ordinativo: **R0481-01-0001**  
 Materiale: 38 NCD4/39 NCD3  
 Esecuzione: foro D1 di punta

### Description:

Example of purchasing order: **R0481-01-0001**  
 Material: 38 NCD4/39 NCD3  
 Production instruction: Tip hole D1

Codice Code	D	D1	L													
			50	65	75	85	95	105	115	125	135	150	175	200	225	250
R0481-01	18	2.5	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014

## R0482 Bussola di iniezione sbozzata temprata Semi-finished hardened sprue bush



### Descrizione:

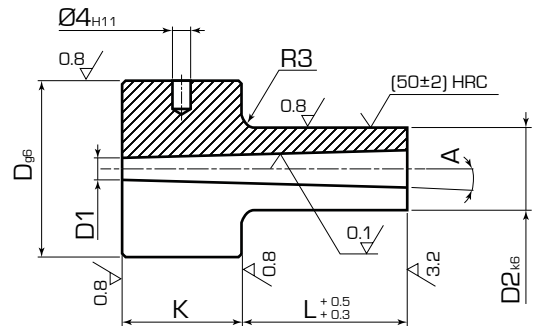
Esempio di ordinativo: **R0482-01-0001**  
 Materiale: 38 NCD4/39 NCD3 Temprato  
 Esecuzione: foro D1 di punta  
 Nota: Tutte le bussole sono interamente rettificata sui centri.

### Description:

Example of purchasing order: **R0482-01-0001**  
 Material: 38 NCD4/39 NCD3 Hardened  
 Production instruction: Tip hole D1  
 Note: All bushes are entirely grinded on their centre.

Codice Code	D	D1	L													
			50	65	75	85	95	105	115	125	135	150	175	200	225	250
R0482-01	18	2.5	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014

## R0132 Bussola di iniezione - AGK-AGN-AGM-AG Sprue bush - AGK-AGN-AGM-AG



### Descrizione:

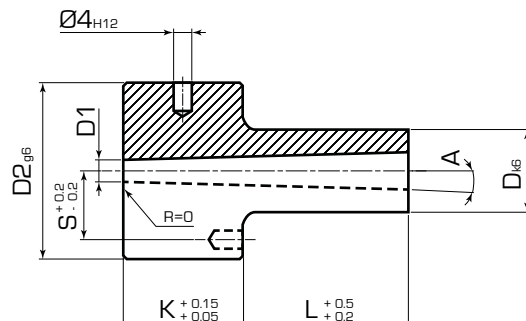
Materiale: 1.2826

### Description:

Material: 1.2826

Codice Code	Tipo Type	D	L	D1	D2	K	A
R0132-01-0001	AGK	28	46	2.5	12	16	3°
R0132-01-0002	AGK	28	56	3.5	12	16	3°
R0132-01-0003	AGN	38	46	2.5	18	20	3°
R0132-01-0004	AGN	38	76	3.5	18	20	3°
R0132-01-0005	AGM	38	76	3.5	18	26	3°
R0132-01-0006	AGM	38	76	5	18	26	3°
R0132-01-0007	AG	50	126	5	25	26	2°
R0132-01-0008	AG	50	156	7	25	26	2°

## R0133 Bussola di iniezione senza raggio Sprue bush without radius



### Descrizione:

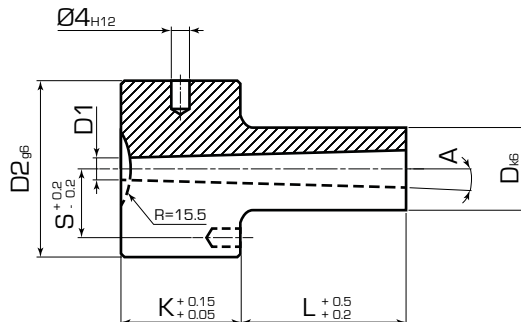
Esempio di ordinativo: R0133-01-0001  
Materiale: 1.2826 Temprato

### Description:

Example of purchasing order: R0133-01-0001  
Material: 1.2826 Hardened

Codice Code	D	D1	A	S	K	D2	L										
							22	27	36	46	56	66	76	86	96	116	136
R0133-01	12	2.5	0.5°	11	13	28	0001	0002	0003	0004	0005						
R0133-01	12	3.5	0.5°	11	13	28		0006	0007	0008	0009	0010	0011				
R0133-01	18	3	0.5°	15	18	38				0012	0013	0014	0015	0016	0017	0018	
R0133-01	18	4	0.5°	15	18	38				0019	0020	0021	0022	0023	0024	0025	
R0133-01	12	2.5	1°	11	13	28	0026	0027	0028	0029	0030						
R0133-01	12	3	1°	11	13	28	0031	0032	0033	0034	0035	0036					
R0133-01	12	3.5	1°	11	13	28	0037	0038	0039	0040	0041						
R0133-01	18	3	1°	15	18	38		0042	0043	0044	0045	0046	0047	0048	0049	0050	
R0133-01	18	4	1°	15	18	38		0051	0052	0053	0054	0055	0056	0057	0058	0059	
R0133-01	24	5	1°	20	23	48				0060	0061	0062	0063	0064	0065	0066	0067
R0133-01	18	3.5	1.5°	15	18	38		0068	0069	0070	0071						
R0133-01	18	4.5	1.5°	15	18	38		0072	0073	0074	0075		0076				
R0133-01	24	4.5	1.5°	20	23	48				0077	0078		0079				
R0133-01	24	6.5	1.5°	20	23	48						0080	0081				

## R0134 Bussola di iniezione con raggio 15.5 Sprue bush with radius 15.5



### Descrizione:

Esempio di ordinativo: R0134-01-0001  
Materiale: 1.2826 Temprato

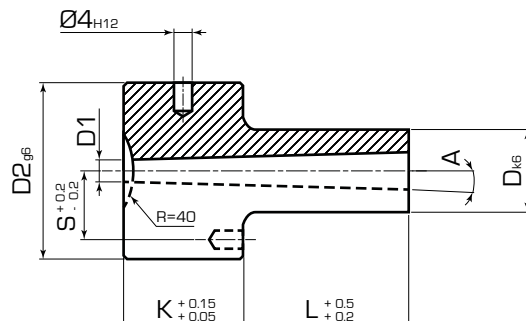
### Description:

Example of purchasing order: R0134-01-0001  
Material: 1.2826 Hardened

Codice Code	D	D1	A	S	K	D2	L										
							22	27	36	46	56	66	76	86	96	116	136
R0134-01	12	2.5	0.5°	11	13	28		0001	0002	0003	0004						
R0134-01	12	3.5	0.5°	11	13	28		0005	0006	0007	0008	0009	0010				
R0134-01	18	3	0.5°	15	18	38				0011	0012	0013	0014	0015	0016	0017	
R0134-01	18	4	0.5°	15	18	38				0018	0019	0020	0021	0022	0023	0024	
R0134-01	12	2.5	1°	11	13	28	0025	0026	0027	0028	0029						
R0134-01	12	3	1°	11	13	28	0030	0031	0032	0033	0034	0035					
R0134-01	12	3.5	1°	11	13	28	0036	0037	0038	0039	0040						
R0134-01	18	3	1°	15	18	38		0041	0042	0043	0044	0045	0046	0047	0048	0049	
R0134-01	18	4	1°	15	18	38		0050	0051	0052	0053	0054	0055	0056	0057	0058	
R0134-01	24	5	1°	20	23	48				0059	0060	0061	0062	0063	0064	0065	0066
R0134-01	18	3.5	1.5°	15	18	38		0067	0068	0069	0070						
R0134-01	18	4.5	1.5°	15	18	38		0071	0072	0073	0074		0075				
R0134-01	24	4.5	1.5°	20	23	48				0076	0077		0078				
R0134-01	24	6.5	1.5°	20	23	48					0079		0080				



## R0135 Bussola di iniezione con raggio 40 Sprue bush with radius 40



### Descrizione:

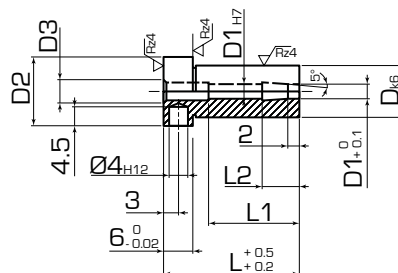
Esempio di ordinativo: R0135-01-0001  
Materiale: 1.2826 Temprato

### Description:

Example of purchasing order: R0135-01-0001  
Material: 1.2826 Hardened

Codice Code	D	D1	A	S	K	D2	L										
							22	27	36	46	56	66	76	86	96	116	136
R0135-01	12	2.5	0.5°	11	13	28		0001	0002	0003	0004						
R0135-01	12	3.5	0.5°	11	13	28		0005	0006	0007	0008	0009	0010				
R0135-01	18	3	0.5°	15	18	38				0011	0012	0013	0014	0015	0016	0017	
R0135-01	18	4	0.5°	15	18	38				0018	0019	0020	0021	0022	0023	0024	
R0135-01	12	2.5	1°	11	13	28	0025	0026	0027	0028	0029						
R0135-01	12	3	1°	11	13	28	0030	0031	0032	0033	0034	0035					
R0135-01	12	3.5	1°	11	13	28	0036	0037	0038	0039	0040						
R0135-01	18	3	1°	15	18	38		0041	0042	0043	0044	0045	0046	0047	0048	0049	
R0135-01	18	4	1°	15	18	38		0050	0051	0052	0053	0054	0055	0056	0057	0058	
R0135-01	24	5	1°	20	23	48				0059	0060	0061	0062	0063	0064	0065	0066
R0135-01	18	3.5	1.5°	15	18	38		0067	0068	0069	0070						
R0135-01	18	4.5	1.5°	15	18	38		0071	0072	0073	0074		0075				
R0135-01	24	4.5	1.5°	20	23	48				0076	0077		0078				
R0135-01	24	6.5	1.5°	20	23	48					0079		0080				

## R0136 Bussola tiracolata Sprue retainer



### Descrizione:

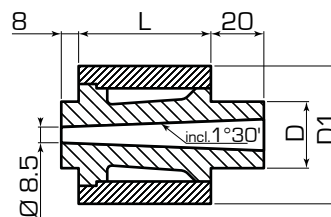
Esempio di ordinativo: **R0136-01-0001**  
 Materiale: 1.2826 Temprato

### Description:

Example of purchasing order: **R0136-01-0001**  
 Material: 1.2826 Hardened

Codice Code	D	D1	D2	D3	L1	L2	L								
							22	27	36	46	56	66	76	86	96
R0136-01	12	4	16	4.5	18	7	0001	0002	0003	0004	0005				
R0136-01	18	6	22	6.5	22	7	0006	0007	0008	0009	0010	0011	0012		
R0136-01	24	8	28	8.5	28	9.5			0013	0014	0015	0016	0017	0018	0019

## R0137 Bussola per iniezione Zama - BIZ Zama sprue bush - BIZ



### Descrizione:

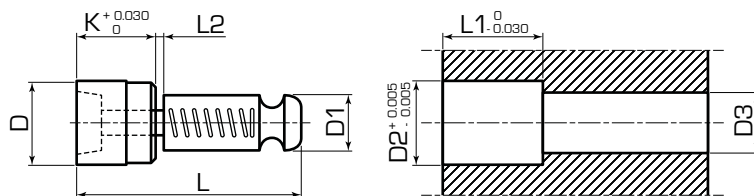
Esempio di ordinativo: **R0137-01-0001**  
 Materiale: Acciaio W.N. 1.1730/ W.N. 1.2343 Temprato

### Description:

Example of purchasing order: **R0137-01-0001**  
 Material: Steel W.N. 1.1730/ W.N. 1.2343 Hardened

Codice Code	D	D1	L				
			35	40	45	50	60
R0137-01	18	32	0001	0002			
R0137-01	18	40	0003	0004		0005	
R0137-01	20	40	0006	0007	0008	0009	0010

## R0142 Valvola - VA Air valve - VA



### Descrizione:

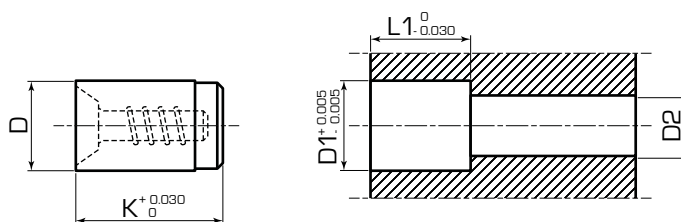
Materiale: Acciaio INOX Temprato  
Temperatura max. di esercizio: 125 °C

### Description:

Material: Stainless Steel Hardened  
Max. work temperature: 125 °C

Codice Code	D	L	D1	D2	D3	K	L1	L2
R0142-01-0001	8 <sup>+0.015</sup> / <sub>+0.006</sub>	24	6	8	6.75	11	11	1.0
R0142-01-0002	12 <sup>+0.018</sup> / <sub>+0.007</sub>	34	8	12	9	18	18	1.0
R0142-01-0003	18 <sup>+0.018</sup> / <sub>+0.007</sub>	45.5	12	18	14	22	22	1.0

## R0143 Valvola - VE Air valve - VE



### Descrizione:

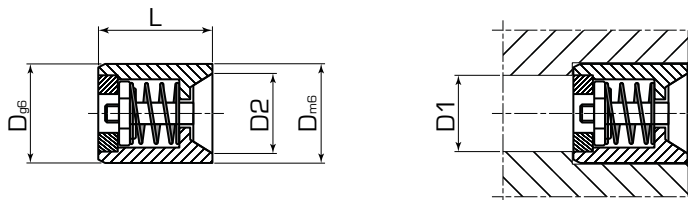
Materiale: Acciaio INOX Temprato  
Temperatura max. di esercizio: 125 °C

### Description:

Material: Stainless Steel Hardened  
Max. work temperature: 125 °C

Codice Code	D	D1	D2	K	L1
R0143-01-0001	8 <sup>+0.015</sup> / <sub>+0.006</sub>	8	5	14	14
R0143-01-0002	12 <sup>+0.018</sup> / <sub>+0.007</sub>	12	8	18	18
R0143-01-0003	18 <sup>+0.018</sup> / <sub>+0.007</sub>	18	8	22	22
R0143-01-0004	26 <sup>+0.021</sup> / <sub>+0.008</sub>	26	18	20	20

## R0144 Valvola per l'aria - VR Air valve - VR



### Descrizione:

Materiale: Acciaio INOX Temprato  
Temperatura max. di esercizio: 125 °C

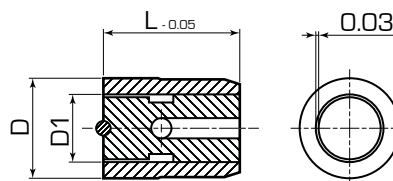
### Description:

Material: Stainless Steel Hardened  
Max. work temperature: 125 °C

Codice Code	D	D2	L	D1
R0144-01-0001	4	3.4	8	3.5
R0144-01-0002	5	3.4	12	4
R0144-01-0009	6	5.2	10	4
R0144-01-0003	6	5.2	12	4
R0144-01-0004	8	6.6	12	4
R0144-01-0005	10	8.2	12	8

Codice Code	D	D2	L	D1
R0144-01-0010	10	8.2	14	8
R0144-01-0006	12	9.7	12	10
R0144-01-0011	12	9.7	14	10
R0144-01-0007	16	12.6	20	12
R0144-01-0008	20	16.9	20	12

## R0145 Valvola doppia - VD Double valve - VD



### Descrizione:

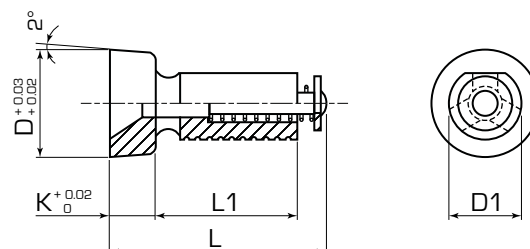
Materiale: Acciaio INOX Temprato  
Temperatura max. di esercizio: 125 °C

### Description:

Material: Stainless Steel Hardened  
Max. work temperature: 125 °C

Codice Code	D	D1	L
R0145-01-0001	8	5	12
R0145-01-0002	10	6	12
R0145-01-0003	12	8	12
R0145-01-0004	16	10	20

## R0146 Valvola per l'aria - R491 Air valve - R491



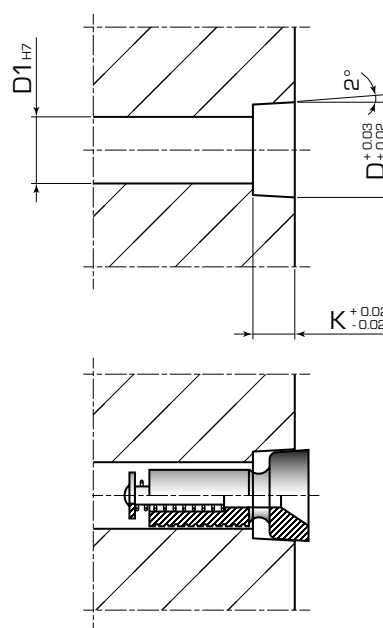
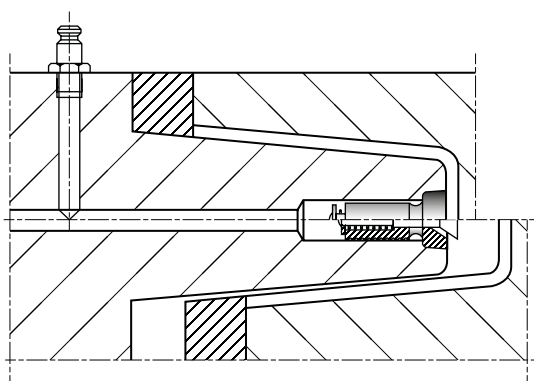
### Descrizione:

Materiale: 1.0570/Ampcoloy 940  
Temperatura max. di esercizio: 125 °C

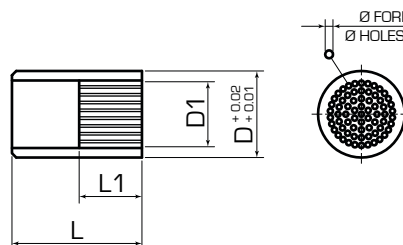
### Description:

Material: 1.0570/Ampcoloy 940  
Max. work temperature: 125 °C

Codice Code	D	L	D1	K	L1
R0146-01-0001	8	16	6	5	8
R0146-01-0002	12	21	8	5	13
R0146-01-0003	16	22	10	6	12



## R0147 Inserto poroso Sintered vent



### Descrizione:

Materiale: Lega in Ferro

### Description:

Material: Iron Alloy

Codice Code	D	D1	L	L1	Porosità D1 Porosity D1 %	n. fori n. holes	Ø fori Ø holes
R0147-01-0024	6	2.5	10	5	13	606	0.03
R0147-01-0025	8	2.5	10	5	13	606	0.03
R0147-01-0026	10	2.5	10	5	13	606	0.03
R0147-01-0027	6	3.5	10	5	18	804	0.05
R0147-01-0028	8	3.5	10	5	18	804	0.05
R0147-01-0029	10	3.5	10	5	18	804	0.05
R0147-01-0030	8	5.5	10	5	29	780	0.10
R0147-01-0031	10	5.5	10	5	29	780	0.10

### Descrizione:

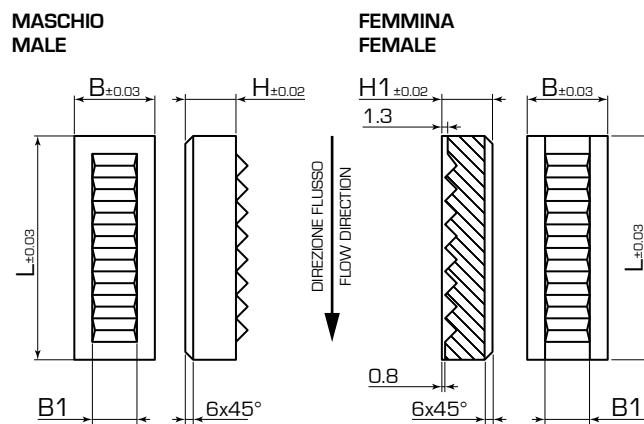
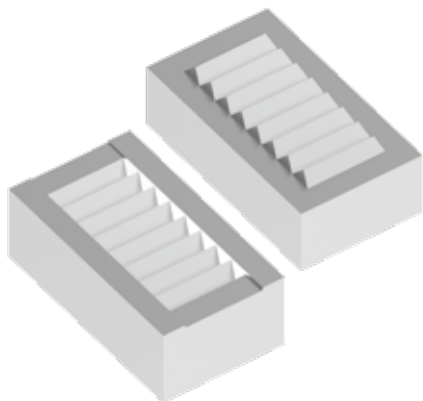
Materiale: Acciaio INOX

### Description:

Material: Stainless Steel

Codice Code	D	D1	L	L1	Porosità D1 Porosity D1 %	n. fori n. holes	Ø fori Ø holes
R0147-01-0009	2	1	10	10	25	280	0.03
R0147-01-0010	3	1.5	10	10	25	630	0.03
R0147-01-0011	2	1.7	10	10	25	250	0.05
R0147-01-0012	3	2	10	10	25	400	0.05
R0147-01-0013	4	2	10	10	25	400	0.05
R0147-01-0014	6	2	10	3	25	400	0.05
R0147-01-0015	8	4	10	3	25	1600	0.05
R0147-01-0016	10	6	10	3	25	3600	0.05
R0147-01-0017	12	8	10	3	25	6400	0.05
R0147-01-0018	15	10	10	4	25	10000	0.05
R0147-01-0019	5	2	10	3	19	76	0.10
R0147-01-0020	6	2	10	3	19	76	0.10
R0147-01-0021	8	4	10	3	19	300	0.10
R0147-01-0022	10	6	10	3	19	690	0.10
R0147-01-0023	12	8	10	3	19	1200	0.10

## R0769 Sfiati per pressofusione Chill vents



### Descrizione:

Materiale: 1.2344

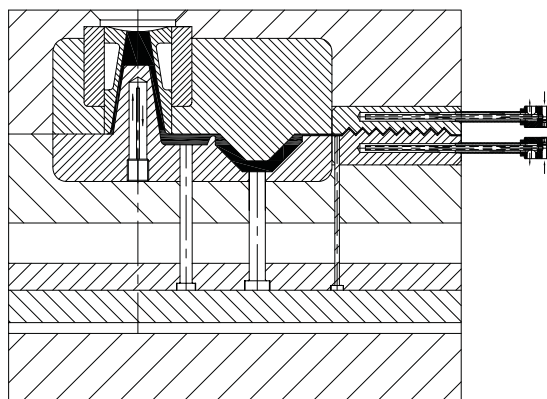
Nota: gli sfiati R0769 vengono forniti privi dei fori di fissaggio e dei fori per il condizionamento. Vengono forniti completi di parte maschio e femmina.

### Description:

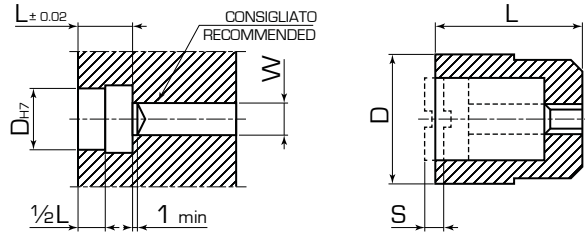
Material: 1.2344

Note: R0769 chill vents are supplied without fixing holes and cooling holes. Each set is assembled with male and female part.

Codice Code	L	B	B1	H	H1
R0769-01-0001	100	36	20	35	40.3
R0769-01-0002	100	56	36	35	40.3
R0769-01-0003	100	96	70	45	40.3



## R0138 Corpo datario corto - CC Date stamp outer insert, short type - CC



### Descrizione:

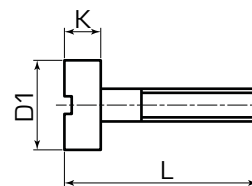
Materiale: Acciaio temprato  
 \* - R0138-01-0009 presenta l'incisione di soli 4 anni.  
 \*\* - R0138-01-0017 e R0138-01-0018 presentano l'incisione dei soli numeri.  
 Temperatura max. di esercizio: 140° C  
 Tutti i datari hanno validità di 7 anni.  
 Specificare anno

### Description:

Material: Hardened steel  
 \* - R0138-01-0009 have the engraving of only 4 years.  
 \*\* - R0138-01-0017 and R0138-01-0018 have only the numbers.  
 Max. work temperature: 140° C  
 All outer insert have 7 years validity  
 Specify the years

Mensile Months	Annuale Years	Giornaliero Days	Neutro Neutral	Inciso 0 - 9 Stamp 0 - 9	Inciso A - M Stamp A - M	Inciso N - Z Stamp N - Z	Inciso I - II - III Stamp I - II - III	D	L	S	W
R0138-01-0001	R0138-01-0009*	R0138-01-0017**	R0138-01-0025	R0138-01-0049	R0138-01-0065	R0138-01-0073	R0138-01-0081	4	8	0.25	1.4
R0138-01-0002	R0138-01-0010	R0138-01-0018**	R0138-01-0026	R0138-01-0050	R0138-01-0066	R0138-01-0074	R0138-01-0082	5	8	0.20	2
R0138-01-0003	R0138-01-0011	R0138-01-0019	R0138-01-0027	R0138-01-0051	R0138-01-0067	R0138-01-0075	R0138-01-0083	6	8	0.20	2
R0138-01-0004	R0138-01-0012	R0138-01-0020	R0138-01-0028	R0138-01-0052	R0138-01-0068	R0138-01-0076	R0138-01-0084	8	10	0.25	3
R0138-01-0005	R0138-01-0013	R0138-01-0021	R0138-01-0029	R0138-01-0053	R0138-01-0069	R0138-01-0077	R0138-01-0085	10	12	0.35	3
R0138-01-0006	R0138-01-0014	R0138-01-0022	R0138-01-0030	R0138-01-0054	R0138-01-0070	R0138-01-0078	R0138-01-0086	12	14	0.35	4
R0138-01-0007	R0138-01-0015	R0138-01-0023	R0138-01-0031	R0138-01-0055	R0138-01-0071	R0138-01-0079	R0138-01-0087	16	14	0.35	5
R0138-01-0008	R0138-01-0016	R0138-01-0024	R0138-01-0032	R0138-01-0056	R0138-01-0072	R0138-01-0080	R0138-01-0088	20	16	0.35	5

## R0601 Inserto datario corto Short date stamp inner insert



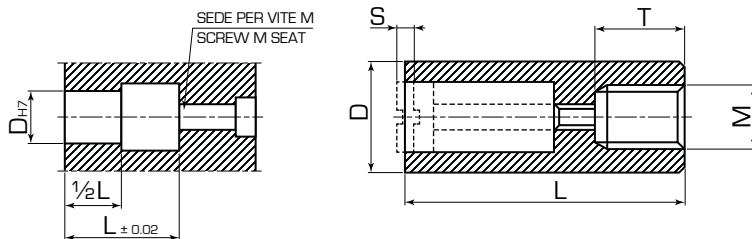
L'inserto viene fornito completo di molla.

All inner inserts will be furnished with spring

Annuale Years	Neutro Neutral	D	D1	L	K
R0601-01-0001	R0601-01-0008	4	2.2	8	2
R0601-01-0002	R0601-01-0009	5	3.1	8	2
R0601-01-0002	R0601-01-0009	6	3.1	8	2
R0601-01-0003	R0601-01-0010	8	4.4	10	2.5
R0601-01-0004	R0601-01-0011	10	5.2	12	3
R0601-01-0005	R0601-01-0012	12	6.2	14	3
R0601-01-0006	R0601-01-0013	16	8.2	14	3.5
R0601-01-0007	R0601-01-0014	20	11	16	4.5



### R0139 Corpo datario lungo - CL Date stamp outer insert, long type - CL



#### Descrizione:

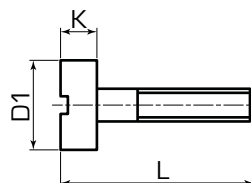
Materiale: Acciaio temprato  
 Temperatura max. di esercizio: 140 °C  
 Tutti i datari annuali hanno validità 7 anni  
 \*Specificare anno

#### Description:

Material: Hardened steel  
 Max. work temperature: 140 °C  
 All outer inserts have 7 years of validity.  
 \*Specify the years

			D	L	M	T	S
Mensile Months	Annuale Years	Neutro Neutral					
R0139-01-0001	R0139-01-0007*	R0139-01-0013	5	17	M3	3.5	0.20
R0139-01-0002	R0139-01-0008*	R0139-01-0014	6	17	M3	3.5	0.20
R0139-01-0003	R0139-01-0009*	R0139-01-0015	8	20	M4	4	0.35
R0139-01-0004	R0139-01-0010*	R0139-01-0016	10	20	M5	4	0.35
R0139-01-0005	R0139-01-0011*	R0139-01-0017	12	25	M6	6	0.50
R0139-01-0006	R0139-01-0012*	R0139-01-0018	16	33	M8	8	0.50

### R0602 Inserto datario lungo Long date stamp inner insert

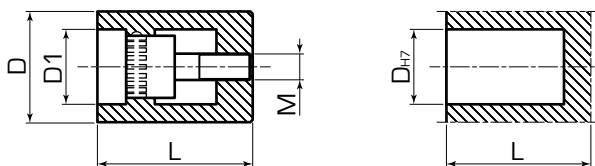


L'inserto viene fornito completo di molla.

All inner inserts will be furnished with spring.

		D	D1	L	K
Annuale Years	Neutro Neutral				
R0602-01-0001	R0602-01-0006	5	3.1	13	3
R0602-01-0001	R0602-01-0006	6	3.1	13	3
R0602-01-0002	R0602-01-0007	8	4.6	14	4
R0602-01-0003	R0602-01-0008	10	4.6	14	4
R0602-01-0004	R0602-01-0009	12	6.4	17	4
R0602-01-0005	R0602-01-0010	16	8.4	23	5

### R0486 Corpo datario piano tipo sfera Indexable date stamp outer insert



#### Descrizione:

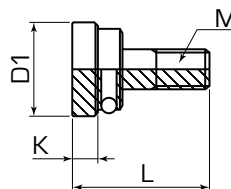
Materiale: Acciaio temprato  
Rimuovere l'inserto dal corpo usando un cacciavite  
Su richiesta si eseguono incisioni laser speciali.  
\*\* Specificare anno

#### Description:

Material: Hardened steel  
Remove inner insert from the outer insert using a screwdriver  
Custom laser engraving available on request.  
\*\* Specify the year

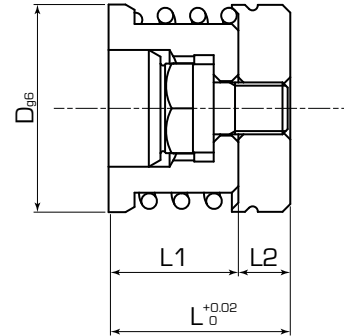
						D	L	D1	M
Mensile Months	Annuale Years	Giornaliero Days	Turno Turn	Neutro Neutral	Inciso 0 - 9 Stamp 0 - 9				
R0486-01-0002	R0486-01-0001 **		R0486-01-0004	R0486-01-0003	R0486-01-0005	4	8	2.4	M1.6x0.2
R0486-01-0007	R0486-01-0006 **		R0486-01-0009	R0486-01-0008	R0486-01-0010	5	8	2.9	M1.6x0.2
R0486-01-0012	R0486-01-0011 **		R0486-01-0014	R0486-01-0013	R0486-01-0015	6	8	3.7	M1.6x0.2
R0486-01-0017	R0486-01-0016 **		R0486-01-0019	R0486-01-0018	R0486-01-0020	8	10	5.0	M2.3x0.35
R0486-01-0023	R0486-01-0021 **	R0486-01-0022	R0486-01-0025	R0486-01-0024	R0486-01-0026	10	12	6.3	M2.3x0.45
R0486-01-0029	R0486-01-0027 **	R0486-01-0028	R0486-01-0031	R0486-01-0030	R0486-01-0032	12	14	7.5	M3x0.50
R0486-01-0035	R0486-01-0033 **	R0486-01-0034	R0486-01-0037	R0486-01-0036	R0486-01-0038	16	14	11.0	M4x0.70
R0486-01-0041	R0486-01-0039 **	R0486-01-0040	R0486-01-0043	R0486-01-0042	R0486-01-0044	20	16	13.2	M4x0.70

### R0603 Inserto datario piano tipo sfera Indexable date stamp inner insert



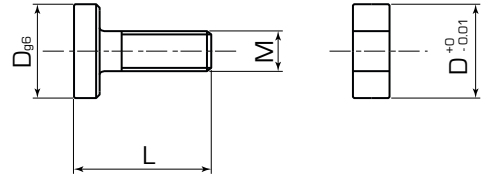
		D	D1	L	K
Annuale Years	Neutro Neutral				
R0603-01-0002	R0603-01-0001	4	2.4	7.7	1.5
R0603-01-0004	R0603-01-0003	5	2.9	7.7	1.5
R0603-01-0006	R0603-01-0005	6	3.7	7.7	1.5
R0603-01-0008	R0603-01-0007	8	5.0	9.7	2.0
R0603-01-0010	R0603-01-0009	10	6.3	11.7	2.5
R0603-01-0012	R0603-01-0011	12	7.5	13.7	2.5
R0603-01-0014	R0603-01-0013	16	11.0	13.7	2.5
R0603-01-0016	R0603-01-0015	20	13.2	15.8	3.5

**R0659** Datario completo per stampi a iniezione  
Complete date stamp for injection moulds



Mensile Months	Giornaliero Days	Neutro Neutral	D	L	L1	L2
R0659-09-0006		R0659-09-0001	6	10	7	3
R0659-09-0007		R0659-09-0002	8	12	8	4
R0659-09-0008	R0659-09-0011	R0659-09-0003	10	14	10	4
R0659-09-0009	R0659-09-0012	R0659-09-0004	12	14	10	4
R0659-09-0010	R0659-09-0013	R0659-09-0005	16	14	10	4

**R0660**    Inserto indicatore  
 Indicator insert




**Descrizione:**

L'inserto viene fornito completo di molla.

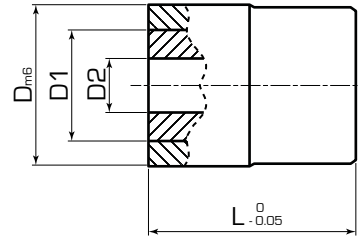
**Description:**

All inner inserts will be furnished with spring.

 Neutro Neutral	D	M	L
R0660-09-0001	6	M3x0.35	10
R0660-09-0002	8	M4x0.35	14
R0660-09-0003	10	M4x0.35	14

### R0141 Datario multiplo - RFD

#### Double date stamp - RFD





#### Descrizione:

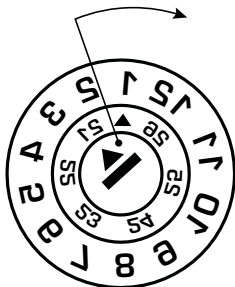
Materiale: Acciaio INOX  
Su richiesta si eseguono incisioni laser speciali.

#### Description:

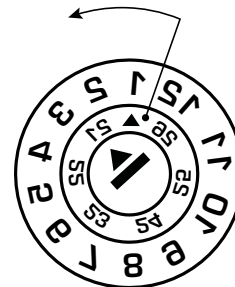
Material: Stainless Steel  
Custom laser engraving available on request.

		D	D1	D2	L
Neutro Neutral	12 Meses + 6 Anni 12 Months + 6 Years				
R0141-01-0001	R0141-01-0002	8	5.5	3	20
R0141-01-0003	R0141-01-0004	10	6	3	20
R0141-01-0005	R0141-01-0006	12	8	4	20
R0141-01-0007	R0141-01-0008	16	10.5	5.3	20

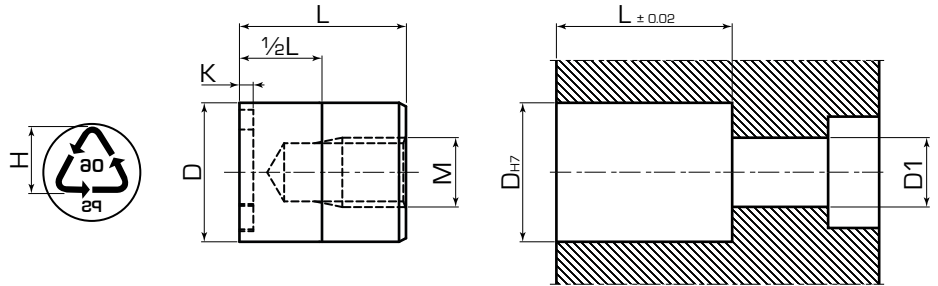
Girare in senso orario per selezionare l'anno  
Turn clockwise to adjust the years



Girare in senso antiorario per selezionare i mesi  
Turn counter-clockwise to adjust the months



### R0140 Inserto di riciclo Recycling insert



**Descrizione:**

Materiale: Acciaio INOX

**Description:**

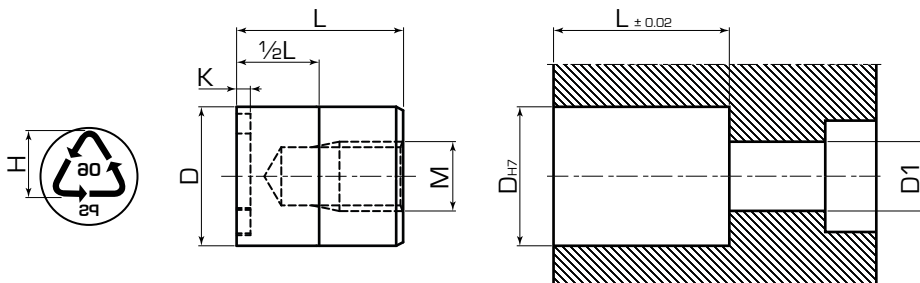
Material: Stainless Steel

Riciclo Recycling	PET	HDPE	PE-HD	PVC	LDPE	D	L	D1	K	M	H
R0140-01-0001	R0140-01-0006	R0140-01-0011	R0140-01-0016	R0140-01-0021	R0140-01-0026	6	12	3.5	0.2	M3	3.6
R0140-01-0002	R0140-01-0007	R0140-01-0012	R0140-01-0017	R0140-01-0022	R0140-01-0027	8	12	4.5	0.2	M4	4.8
R0140-01-0003	R0140-01-0122	R0140-01-0013	R0140-01-0018	R0140-01-0023	R0140-01-0028	10	12	5.5	0.3	M5	6
R0140-01-0121	R0140-01-0008	R0140-01-0123	R0140-01-0124	R0140-01-0125	R0140-01-0126	12	14	6.5	0.3	M5	8
R0140-01-0004	R0140-01-0009	R0140-01-0014	R0140-01-0019	R0140-01-0024	R0140-01-0029	16	14	6.5	0.3	M6	10
R0140-01-0005	R0140-01-0010	R0140-01-0015	R0140-01-0020	R0140-01-0025	R0140-01-0030	20	16	6.5	0.3	M6	12
Disponibile su richiesta / Available upon request						25	16	6.5	0.3	M6	15

PE-LD	PE-BD	PP	PS	OTHER	O	D	L	D1	K	M	H
R0140-01-0031	R0140-01-0036	R0140-01-0041	R0140-01-0046	R0140-01-0051	R0140-01-0056	6	12	3.5	0.2	M3	3.6
R0140-01-0032	R0140-01-0037	R0140-01-0042	R0140-01-0047	R0140-01-0052	R0140-01-0057	8	12	4.5	0.2	M4	4.8
R0140-01-0033	R0140-01-0038	R0140-01-0043	R0140-01-0048	R0140-01-0053	R0140-01-0058	10	12	5.5	0.3	M5	6
R0140-01-0127	R0140-01-0128	R0140-01-0129	R0140-01-0130	R0140-01-0131	R0140-01-0132	12	14	6.5	0.3	M5	8
R0140-01-0034	R0140-01-0039	R0140-01-0044	R0140-01-0049	R0140-01-0054	R0140-01-0059	16	14	6.5	0.3	M6	10
R0140-01-0035	R0140-01-0040	R0140-01-0045	R0140-01-0050	R0140-01-0055	R0140-01-0060	20	16	6.5	0.3	M6	12
Disponibile su richiesta / Available upon request						25	16	6.5	0.3	M6	15

## R0140

Inserto di riciclo  
Recycling insert



**Descrizione:**

Materiale: Acciaio INOX

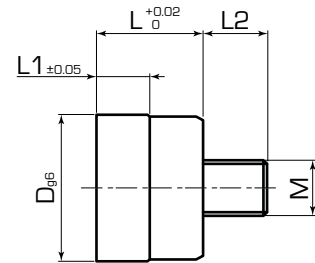
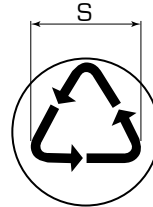
**Description:**

Material: Stainless Steel

Vuoto Blank	Alimenti Food	CE	ABS	PC-ABS	PPO	D	L	D1	K	M	H
R0140-01-0061	R0140-01-0066	R0140-01-0071	R0140-01-0076	R0140-01-0081	R0140-01-0086	6	12	3.5	0.2	M3	3.6
R0140-01-0062	R0140-01-0067	R0140-01-0072	R0140-01-0077	R0140-01-0082	R0140-01-0087	8	12	4.5	0.2	M4	4.8
R0140-01-0063	R0140-01-0068	R0140-01-0073	R0140-01-0078	R0140-01-0083	R0140-01-0088	10	12	5.5	0.3	M5	6
R0140-01-0133	R0140-01-0134	R0140-01-0135	R0140-01-0136	R0140-01-0137	R0140-01-0138	12	14	6.5	0.3	M5	8
R0140-01-0064	R0140-01-0069	R0140-01-0074	R0140-01-0079	R0140-01-0084	R0140-01-0089	16	14	6.5	0.3	M6	10
R0140-01-0065	R0140-01-0070	R0140-01-0075	R0140-01-0080	R0140-01-0085	R0140-01-0090	20	16	6.5	0.3	M6	12
Disponibile su richiesta / Available upon request						25	16	6.5	0.3	M6	15

PA-6	PA-66	PMMA	POM	SAN	PC	D	L	D1	K	M	H
R0140-01-0091	R0140-01-0096	R0140-01-0101	R0140-01-0106	R0140-01-0111	R0140-01-0116	6	12	3.5	0.2	M3	3.6
R0140-01-0092	R0140-01-0097	R0140-01-0102	R0140-01-0107	R0140-01-0112	R0140-01-0117	8	12	4.5	0.2	M4	4.8
R0140-01-0093	R0140-01-0098	R0140-01-0103	R0140-01-0108	R0140-01-0113	R0140-01-0118	10	12	5.5	0.3	M5	6
R0140-01-0139	R0140-01-0140	R0140-01-0141	R0140-01-0142	R0140-01-0143	R0140-01-0144	12	14	6.5	0.3	M5	8
R0140-01-0094	R0140-01-0099	R0140-01-0104	R0140-01-0109	R0140-01-0114	R0140-01-0119	16	14	6.5	0.3	M6	10
R0140-01-0095	R0140-01-0100	R0140-01-0105	R0140-01-0110	R0140-01-0115	R0140-01-0120	20	16	6.5	0.3	M6	12
Disponibile su richiesta / Available upon request						25	16	6.5	0.3	M6	15

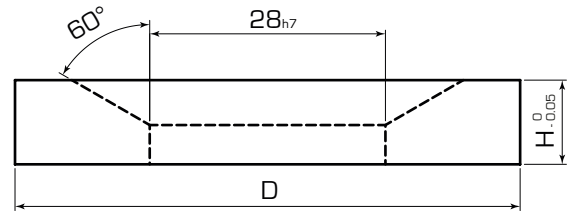
**R0661** Inserto di riciclo  
Recycling insert



Riciclo Recycling	PET	PE-HD	PVC	PE-LD	PP	PS	D	L	L1	L2	M
R0661-09-0001	R0661-09-0005	R0661-09-0006	R0661-09-0007	R0661-09-0008	R0661-09-0009	R0661-09-0010	10	12	4	7	M6
R0661-09-0002	R0661-09-0011	R0661-09-0012	R0661-09-0013	R0661-09-0014	R0661-09-0015	R0661-09-0016	12	14	4	7	M6
R0661-09-0003	R0661-09-0017	R0661-09-0018	R0661-09-0019	R0661-09-0020	R0661-09-0021	R0661-09-0022	16	14	4	7	M6
R0661-09-0004	R0661-09-0022	R0661-09-0023	R0661-09-0024	R0661-09-0025	R0661-09-0026	R0661-09-0027	20	16	4	7	M6



## R0116 Anello di centraggio - AC Locating ring - AC



### Descrizione:

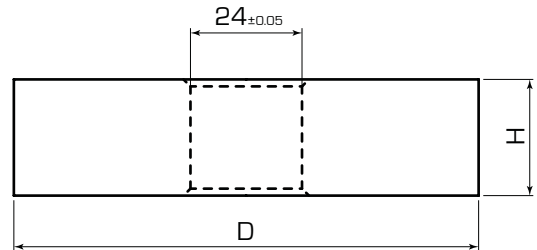
Materiale: 1.1730

### Description:

Material: 1.1730

Codice Code	D	H
R0116-01-0001	60	10
R0116-01-0002	70	10
R0116-01-0003	80	10
R0116-01-0004	80	20
R0116-01-0005	90	10
R0116-01-0006	100	10
R0116-01-0007	100	20
R0116-01-0008	125	10
R0116-01-0009	125	20
R0116-01-0010	150	10
R0116-01-0011	150	20
R0116-01-0012	160	10
R0116-01-0013	160	20
R0116-01-0014	175	10
R0116-01-0015	175	20
R0116-01-0016	200	10
R0116-01-0017	200	20

**R0117** Anello di centraggio sbozzato multiuso - ACS  
Multiuse semi-finished locating ring - ACS



**Descrizione:**

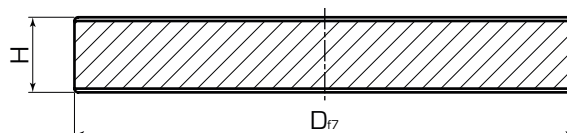
Materiale: 1.1730

**Description:**

Material: 1.1730

Codice Code	D	H
R0117-01-0001	100	25
R0117-01-0002	125	25
R0117-01-0003	150	25
R0117-01-0004	160	25
R0117-01-0005	175	25
R0117-01-0006	200	25

## R0118 Anello di centraggio sbozzato Semi-finished locating ring



### Descrizione:

Materiale: 1.1191

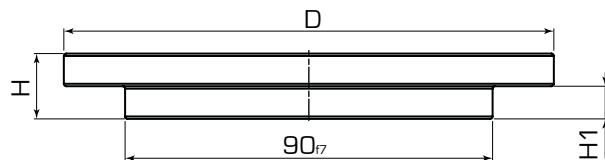
### Description:

Material: 1.1191

Codice Code	D	H
R0118-01-0001	40	6
R0118-01-0002	40	9
R0118-01-0003	60	8
R0118-01-0004	60	11
R0118-01-0005	60	13
R0118-01-0006	80	8
R0118-01-0007	80	15
R0118-01-0008	80	17
R0118-01-0009	90	12
R0118-01-0010	90	15
R0118-01-0011	90	17
R0118-01-0012	90	18
R0118-01-0013	90	19
R0118-01-0014	90	21
R0118-01-0015	100	12
R0118-01-0016	100	18
R0118-01-0017	100	21
R0118-01-0018	110	12
R0118-01-0019	110	18
R0118-01-0020	110	21
R0118-01-0021	120	12
R0118-01-0022	120	21
R0118-01-0023	125	8

Codice Code	D	H
R0118-01-0024	125	12
R0118-01-0025	125	18
R0118-01-0026	125	20
R0118-01-0027	125	21
R0118-01-0028	130	12
R0118-01-0029	140	12
R0118-01-0030	150	12
R0118-01-0031	150	21
R0118-01-0032	160	8
R0118-01-0033	160	12
R0118-01-0034	160	20
R0118-01-0035	160	22
R0118-01-0036	160	23
R0118-01-0037	175	12
R0118-01-0038	175	21
R0118-01-0039	200	12
R0118-01-0040	200	20
R0118-01-0041	200	22
R0118-01-0042	200	23
R0118-01-0043	250	12
R0118-01-0044	250	22
R0118-01-0045	250	23

## R0119 Anello di centraggio Locating ring



### Descrizione:

Materiale: 1.1191

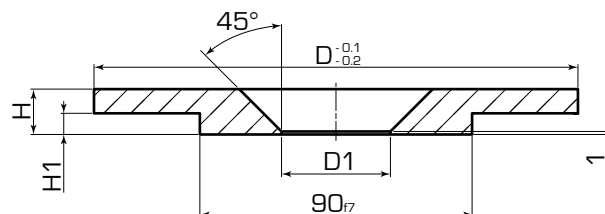
### Description:

Material: 1.1191

Codice Code	D	H	H1
R0119-01-0001	60	8	4
R0119-01-0002	60	11	7
R0119-01-0003	60	13	9
R0119-01-0004	60	14	10
R0119-01-0005	80	12	4
R0119-01-0006	80	15	7
R0119-01-0007	80	17	9
R0119-01-0008	100	12	4
R0119-01-0009	100	15	7
R0119-01-0010	100	17	9
R0119-01-0011	100	18	10
R0119-01-0012	100	19	11
R0119-01-0013	100	21	12.5
R0119-01-0014	110	12	4
R0119-01-0015	110	15	7
R0119-01-0016	110	17	9
R0119-01-0017	110	18	10
R0119-01-0018	110	19	11
R0119-01-0019	110	20	12.5
R0119-01-0020	110	21	0
R0119-01-0021	120	12	4
R0119-01-0022	120	15	7
R0119-01-0023	120	17	9
R0119-01-0024	120	18	10
R0119-01-0025	120	19	11
R0119-01-0026	120	20	12

Codice Code	D	H	H1
R0119-01-0027	120	21	12.5
R0119-01-0028	125	12	4
R0119-01-0029	125	15	7
R0119-01-0030	125	17	9
R0119-01-0031	125	18	10
R0119-01-0032	125	19	11
R0119-01-0033	125	20	12
R0119-01-0034	125	21	12.5
R0119-01-0035	140	12	4
R0119-01-0036	150	12	4
R0119-01-0037	160	12	4
R0119-01-0038	160	15	7
R0119-01-0039	160	17	9
R0119-01-0040	160	18	10
R0119-01-0041	160	19	11
R0119-01-0042	160	20	12
R0119-01-0043	160	21	12.5
R0119-01-0044	175	12	4
R0119-01-0045	175	15	7
R0119-01-0046	175	17	9
R0119-01-0047	175	18	10
R0119-01-0048	175	19	11
R0119-01-0049	175	20	12
R0119-01-0050	175	21	12.5
R0119-01-0051	200	12	4
R0119-01-0052	250	12	4

## R0120 Anello di centraggio Locating ring



### Descrizione:

Materiale: 1.1191

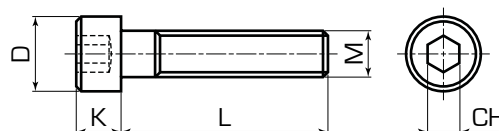
### Description:

Material: 1.1191

Codice Code	D	H	D1	H1
R0120-01-0001	60	8	36	4
R0120-01-0002	60	11	26	7
R0120-01-0003	60	13	26	9
R0120-01-0004	60	14	26	10
R0120-01-0005	80	12	36	4
R0120-01-0006	80	15	26	7
R0120-01-0007	80	17	26	9
R0120-01-0008	90	12	36	4
R0120-01-0009	90	15	36	7
R0120-01-0010	90	17	36	9
R0120-01-0011	90	18	36	10
R0120-01-0012	90	19	36	11
R0120-01-0013	90	21	36	12.5
R0120-01-0014	100	12	36	4
R0120-01-0015	100	15	36	7
R0120-01-0016	100	17	36	9
R0120-01-0017	100	18	36	10
R0120-01-0018	100	19	36	11
R0120-01-0019	100	21	36	12.5
R0120-01-0020	110	12	36	4
R0120-01-0021	110	15	36	7
R0120-01-0022	110	17	36	9
R0120-01-0023	110	18	36	10
R0120-01-0024	110	19	36	11
R0120-01-0025	110	20	36	12
R0120-01-0026	110	21	36	12.5
R0120-01-0027	120	12	36	4
R0120-01-0028	120	15	36	7
R0120-01-0029	120	17	36	9
R0120-01-0030	120	18	36	10

Codice Code	D	H	D1	H1
R0120-01-0031	120	19	36	11
R0120-01-0032	120	20	36	12
R0120-01-0033	120	21	36	12.5
R0120-01-0034	125	12	36	4
R0120-01-0035	125	15	36	7
R0120-01-0036	125	17	36	9
R0120-01-0037	125	18	36	10
R0120-01-0038	125	19	36	11
R0120-01-0039	125	20	36	12
R0120-01-0040	125	21	36	12.5
R0120-01-0041	130	12	36	4
R0120-01-0042	140	12	36	4
R0120-01-0043	150	12	36	4
R0120-01-0044	160	12	36	4
R0120-01-0045	160	15	36	7
R0120-01-0046	160	17	36	9
R0120-01-0047	160	18	36	10
R0120-01-0048	160	19	36	11
R0120-01-0049	160	20	36	12
R0120-01-0050	160	21	36	12.5
R0120-01-0051	175	12	36	4
R0120-01-0052	175	15	36	7
R0120-01-0053	175	17	36	9
R0120-01-0054	175	18	36	10
R0120-01-0055	175	19	36	11
R0120-01-0056	175	20	36	12
R0120-01-0057	175	21	36	12.5
R0120-01-0058	180	12	36	4
R0120-01-0059	200	12	36	4
R0120-01-0060	250	12	36	4

## R0162 Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI



**Descrizione:** **Description:**

**Esempio di ordinativo: R0162-01-0001**  
 Materiale: Acciaio UNI EN 20898/1 12.9  
 Normativa: UNI 5931 - DIN 912

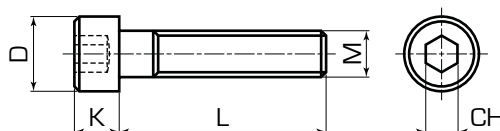
**Example of purchasing order: R0162-01-0001**  
 Material: Steel UNI EN 20898/1 12.9  
 Standard: UNI 5931 - DIN 912

M	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
<b>D</b>	3.8	4.5	5.5	6	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54	58	63
<b>K</b>	2	2.5	3	3.5	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	39	42
<b>CH</b>	1.5	2	2.5	2.5	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27	27	32
<b>Passo T. Pitch</b>	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5

L	M																					
	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
3	0001	0010		0048																		
4	0002	0011	0028		0061																	
5	0003	0012	0029		0062	0088																
6	0004	0013	0030	0049	0063	0089	0139															
8	0005	0014	0031	0050	0064	0090	0140	0192														
10	0006	0015	0032	0051	0065	0091	0141	0193	0244													
12	0007	0016	0033	0052	0066	0092	0142	0194	0245													
14		0034	0053	0067	0093	0143	0195	0246	0295													
16	0008	0017	0035	0054	0068	0094	0144	0196	0247	0296												
18			0036	0055	0069	0095	0145	0197	0248	0297												
20	0009	0018	0037	0056	0070	0096	0146	0198	0249	0298	0348	0384										
22				0057	0071	0097	0147	0199	0250	0299	0349											
25		0019	0038	0058	0072	0098	0148	0200	0251	0300	0350	0385										
30		0020	0039	0059	0073	0099	0149	0201	0252	0301	0351	0386	0432	0466								
35			0040	0060	0074	0100	0150	0202	0253	0302	0352	0387	0433	0467								
40			0041		0075	0101	0151	0203	0254	0303	0353	0388	0434	0468	0510	0541						
45			0042		0076	0102	0152	0204	0255	0304	0354	0389	0435	0469	0511	0542						
50			0043		0077	0103	0153	0205	0256	0305	0355	0390	0436	0470	0512	0543	0584	0614				
55			0044		0078	0104	0154	0206	0257	0306	0356	0391	0437	0471	0513	0544	0585	0615				
60			0045		0079	0105	0155	0207	0258	0307	0357	0392	0438	0472	0514	0545	0586	0616	0649	0676	0710	0736
65					0080	0106	0156	0208	0259	0308	0358	0393	0439	0473	0515	0546	0587		0650	0677	0711	0737
70			0046		0081	0107	0157	0209	0260	0309	0359	0394	0440	0474	0516	0547	0588	0617	0651	0678	0712	0738
75						0108	0158	0210	0261	0310	0360	0395	0441	0475	0517	0548						
80			0047		0082	0109	0159	0211	0262	0311	0361	0396	0442	0476	0518	0549	0589	0618	0652	0679	0713	0739
85						0110	0160	0212	0263	0312	0362	0397		0477								
90					0083	0111	0161	0213	0264	0313	0363	0398	0443	0478	0519	0550	0590	0619	0653	0680	0714	0740
95						0112	0162	0214	0265	0314												
100					0084	0113	0163	0215	0266	0315	0364	0399	0444	0479	0520	0551	0591	0620	0654	0681	0715	0741
105					0085	0114	0164	0216	0267	0316												
110					0086	0115	0165	0217	0268	0317	0365	0400	0445	0480	0521	0552	0592	0621	0655	0682	0716	0742
115						0116	0166	0218	0269	0318												
120					0087	0117	0167	0219	0270	0319	0366	0401	0446	0481	0522	0553	0593	0622	0656	0683	0717	0743
125						0118	0168	0220	0271	0320												
130					0088	0119	0169	0221	0272	0321	0367	0402	0447	0482	0523	0554	0594	0623	0657	0684	0718	0744
135						0120	0170	0222	0273	0322												
140						0121	0171	0223	0274	0323	0368	0403	0448	0483	0524	0555	0595	0624	0658	0685	0719	0745
145						0122	0172	0224	0275	0324												

### R0162

Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI  
Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI



#### Descrizione:

Esempio di ordinativo: R0162-01-0001  
Materiale: Acciaio UNI EN 20898/1 12.9  
Normativa: UNI 5931 - DIN 912

#### Description:

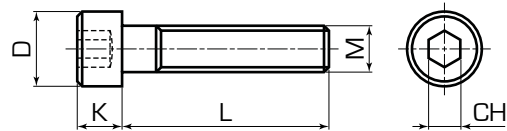
Example of purchasing order: R0162-01-0001  
Material: Steel UNI EN 20898/1 12.9  
Standard: UNI 5931 - DIN 912

M	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
D	3.8	4.5	5.5	6	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54	58	63
K	2	2.5	3	3.5	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	39	42
CH	1.5	2	2.5	2.5	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27	27	32
Passo T. Pitch	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5

L	M																					
	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
150						0123	0173	0225	0276	0325	0369	0404	0449	0484	0525	0556	0596	0625	0659	0686	0720	0746
155						0124	0174	0226	0277	0326												
160						0125	0175	0227	0278	0327	0370	0405	0450	0485	0526	0557	0597	0626	0660	0687	0721	0747
165						0126	0176	0228	0279	0328												
170						0127	0177	0229	0280	0329	0371	0406	0451	0486	0527	0558	0598	0627	0661	0688	0722	0748
175						0128	0178	0230	0281													
180						0129	0179	0231	0282	0331	0372	0407	0452	0487	0528	0559	0599	0628	0662	0689	0723	0749
190						0130	0180	0232	0283	0332	0373	0408	0453	0488	0529	0560	0600	0629	0663	0690	0724	0750
200						0131	0181	0233	0284	0333	0374	0409	0454	0489	0530	0561	0601	0630	0664	0691	0725	0751
210						0132	0182	0234	0285	0334	0375	0410		0490		0562	0602	0631	0665			
220						0133	0183	0235	0286	0335	0376	0411	0455	0491	0531	0563	0603	0632	0666	0692	0726	0752
230						0134	0184	0236	0287	0336	0377	0412		0492		0564						
240						0135	0185	0237	0288	0337	0378	0413	0456	0493	0532	0565	0604	0633	0667	0693	0727	0753
250							0186	0238	0289	0338		0414		0494		0566	0605	0634		0694		
260						0136	0187	0239	0290	0339	0379	0415	0457	0495	0533	0567	0606	0635	0668	0695	0728	0754
270							0188	0240	0291	0340		0416		0496								
275														0497								
280						0137	0189	0241	0292	0341	0380	0417	0458	0498	0534	0568	0607	0636	0669	0696	0729	0755
290							0190	0242	0293	0342		0418		0499								
300						0138	0191	0243	0294	0343	0381	0419	0459	0500	0535	0569	0608	0637	0670	0697	0730	0756
310																				0698		
320										0344	0382	0420	0460	0501	0536	0570	0609	0638	0671	0699	0731	0757
330												0421	0461		0571				0700			
340										0345		0422	0462	0502	0537	0572	0610	0639	0672	0701	0732	0758
350												0423			0573							0759
360										0346	0383	0424	0463	0503	0538	0574	0611	0640	0673	0702	0733	0760
380												0425	0464	0504	0539	0575	0612	0641	0674	0703	0734	0761
400										0347		0426	0465	0505	0540	0576	0613	0642	0675	0704	0735	0762
420												0427		0506		0577		0643		0705		
440												0428				0578		0644				
450														0507		0579						
460													0429	0508		0580		0645		0706		
480													0430	0509		0581		0646		0707		
500													0431			0582		0647		0708		
580																				0709		
600																0583		0648				
610																						

**R0163**

Vite a testa cilindrica bassa con esagono incassato (UNI9327, DIN7984) - VTCEIB  
Cylindrical low head screw with hexagon socket (UNI9327, DIN7984) - VTCEIB



**Descrizione:**

Esempio di ordinativo: **R0163-01-0001**  
Materiale: Acciaio UNI EN 20898/1 8.8  
Normativa: UNI 9327 - DIN 7984

**Description:**

Example of purchasing order: **R0163-01-0001**  
Material: Steel UNI EN 20898/1 8.8  
Standard: UNI 9327 - DIN 7984

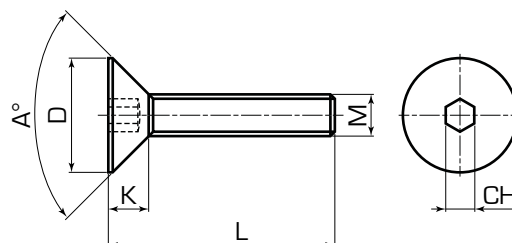
M	M3	M4	M5	M6	M8	M10	M12	M16	M20
D	5.5	7	8.5	10	13	16	18	24	30
K	2	2.8	3.5	4	5	6	7	9	11
CH	2	2.5	3	4	5	7	8	12	14
Passo - Thread pitch	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2.51

Codice Code	L	M								
		M3	M4	M5	M6	M8	M10	M12	M16	M20
R0163-01	4	0001								
R0163-01	5	0002								
R0163-01	6	0003	0013	0025						
R0163-01	8	0004	0014	0026	0039					
R0163-01	10	0005	0015	0027	0040	0056				
R0163-01	12	0006	0016	0028	0041	0057				
R0163-01	14	0007	0017	0029	0042					
R0163-01	16	0008	0018	0030	0043	0058	0075	0092		
R0163-01	18	0009	0019	0031	0044	0059	0076	0093		
R0163-01	20	0010	0020	0032	0045	0060	0077	0094		
R0163-01	25	0011	0021	0033	0046	0061	0078	0095	0109	
R0163-01	30	0012	0022	0034	0047	0062	0079	0096	0110	0120
R0163-01	35		0023	0035	0048	0063	0080	0097	0111	0121
R0163-01	40		0024	0036	0049	0064	0081	0098	0112	0122
R0163-01	45			0037	0050	0065	0082	0099	0113	0123
R0163-01	50			0038	0051	0066	0083	0100	0114	0124
R0163-01	55				0052	0067	0084	0101	0115	0125
R0163-01	60				0053	0068	0085	0102	0116	0126
R0163-01	65					0069	0086	0103	0117	
R0163-01	70				0054	0070	0087	0104	0118	0127
R0163-01	75					0071	0088	0105		
R0163-01	80				0055	0072	0089	0106	0119	0128
R0163-01	90					0073	0090	0107		
R0163-01	100					0074	0091	0108		



### R0164

Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI  
 Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI



#### Descrizione:

Esempio di ordinativo: **R0164-01-0001**  
 Materiale: Acciaio UNI EN 20898/1 10.9  
 Normativa: UNI 5933 - DIN 7991

#### Description:

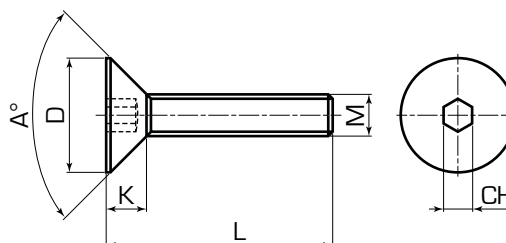
Example of purchasing order: **R0164-01-0001**  
 Material: Steel UNI EN 20898/1 10.9  
 Standard: UNI 5933 - DIN 7991

M	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
D	6	8	10	12	16	20	24	27	30	33	36	36	39	39	39
K	1.7	2.3	2.8	3.3	4.4	5.5	6.5	7	7.5	8	8.5	13.1	14	14	14
CH	2	2.5	3	4	5	6	8	10	10	10	12	14	14	14	14
A°	90	90	90	90	90	90	90	90	90	90	90	60	60	60	60
Passo - Thread pitch	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M														
		M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0164-01	4	0001														
R0164-01	5	0002	0018													
R0164-01	6	0003	0019	0036												
R0164-01	8	0004	0020	0037	0057											
R0164-01	10	0005	0021	0038	0058	0084										
R0164-01	12	0006	0022	0039	0059	0085	0114									
R0164-01	14	0007	0023	0040	0060	0086	0115									
R0164-01	16	0008	0024	0041	0061	0087	0116									
R0164-01	18	0009	0025	0042	0062	0088	0117	0142								
R0164-01	20	0010	0026	0043	0063	0089	0118	0143	0168							
R0164-01	22	0011	0027	0044	0064	0090										
R0164-01	25	0012	0028	0045	0065	0091	0119	0144	0169	0186						
R0164-01	30	0013	0029	0046	0066	0092	0120	0145	0170	0187		0224				
R0164-01	35	0014	0030	0047	0067	0093	0121	0146	0171	0188	0208	0225				
R0164-01	40	0015	0031	0048	0068	0094	0122	0147	0172	0189	0209	0226		0255		
R0164-01	45	0016	0032	0049	0069	0095	0123	0148	0173	0190	0210	0227		0256		
R0164-01	50	0017	0033	0050	0070	0096	0124	0149	0174	0191	0211	0228	0244	0257	0273	0289
R0164-01	55		0034	0051	0071	0097	0125	0150	0175	0192	0212	0229		0258		
R0164-01	60		0035	0052	0072	0098	0126	0151	0176	0193	0213	0230	0245	0259	0274	0290
R0164-01	65				0073	0099	0127	0152	0177		0214	0231		0260		
R0164-01	70			0053	0074	0100	0128	0153	0178	0194	0215	0232	0246	0261	0275	0291

## R0164

Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI  
Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI



### Descrizione:

Esempio di ordinativo: **R0164-01-0001**  
Materiale: Acciaio UNI EN 20898/1 10.9  
Normativa: UNI 5933 - DIN 7991

### Description:

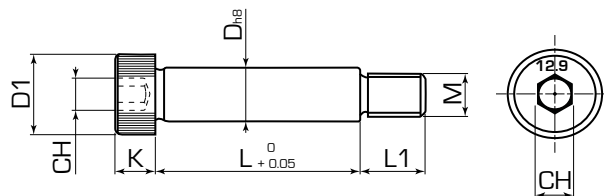
Example of purchasing order: **R0164-01-0001**  
Material: Steel UNI EN 20898/1 10.9  
Standard: UNI 5933 - DIN 7991

M	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
D	6	8	10	12	16	20	24	27	30	33	36	36	39	39	39
K	1.7	2.3	2.8	3.3	4.4	5.5	6.5	7	7.5	8	8.5	13.1	14	14	14
CH	2	2.5	3	4	5	6	8	10	10	10	12	14	14	14	14
A°	90	90	90	90	90	90	90	90	90	90	90	60	60	60	60
Passo - Thread pitch	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M														
		M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0164-01	75				0075	0101	0129									
R0164-01	80			0054	0076	0102	0130	0154	0179	0195	0216	0233	0247	0262	0276	0292
R0164-01	85					0103	0131									
R0164-01	90			0055	0077	0104	0132	0155	0180	0196	0217	0234	0248	0263	0277	0293
R0164-01	100			0056	0078	0105	0133	0156	0181	0197	0218	0235	0249	0264	0278	0294
R0164-01	110				0079	0106	0134	0157	0182	0198	0219	0236	0250	0265	0279	0295
R0164-01	120				0080	0107	0135	0158	0183	0199	0220	0237	0251	0266	0280	0296
R0164-01	130				0081	0108	0136	0159	0184	0200	0221	0238	0252	0267	0281	0297
R0164-01	140				0082	0109	0137	0160		0201	0222	0239	0253	0268	0282	0298
R0164-01	150				0083	0110	0138	0161	0185	0202	0223	0240	0254	0269	0283	0299
R0164-01	160					0111	0139	0162		0203		0241		0270	0284	0300
R0164-01	170														0285	0301
R0164-01	180					0112	0140	0163		0204		0242		0271	0286	0302
R0164-01	190														0287	0303
R0164-01	200					0113	0141	0164		0205		0243		0272		
R0164-01	210									0206						
R0164-01	240							0165								
R0164-01	250							0166								
R0164-01	270									0207						
R0164-01	300							0167							0288	0304

## R0160

Vite a colletto con gambo rettificato esagono incassato - VGR  
Shouldered screw with ground shaft and hexagon socket - VGR



### Descrizione:

Esempio di ordinativo: R0160-01-0001  
Materiale: Acciaio ISO 12.9

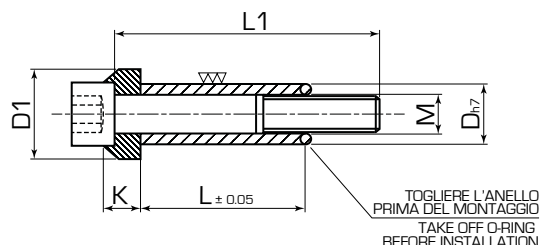
### Description:

Example of purchasing order: R0160-01-0001  
Material: Steel ISO 12.9

M	M4	M5	M6	M8	M10	M12	M16	M20
D	5	6	8	10	12	16	20	24
D1	8	10	13	16	18	24	30	36
K	4	4.5	5.5	7	9	11	14	16
CH	2.5	3	4	5	6	8	10	12
L1	8	9.5	11	13	16	18	22	27

Codice Code	L	M							
		M4	M5	M6	M8	M10	M12	M16	M20
R0160-01	10	0001	0013	0029					
R0160-01	12	0002	0014	0030					
R0160-01	15	0003	0015	0031	0047	0065			
R0160-01	16	0004	0016	0032	0048	0066			
R0160-01	20	0005	0017	0033	0049	0067			
R0160-01	25	0006	0018	0034	0050	0068	0084		
R0160-01	30	0007	0019	0035	0051	0069	0085	0102	
R0160-01	35	0008	0020	0036	0052	0070	0086	0103	
R0160-01	40	0009	0021	0037	0053	0071	0087	0104	0119
R0160-01	45	0010	0022	0038	0054	0072	0088	0105	0120
R0160-01	50	0011	0023	0039	0055	0073	0089	0106	0121
R0160-01	55		0024	0040	0056	0074	0090	0107	0122
R0160-01	60		0025	0041	0057	0075	0091	0108	0123
R0160-01	65		0026	0042	0058	0076	0092	0109	0124
R0160-01	70		0027	0043	0059	0077	0093	0110	0125
R0160-01	80		0028	0044	0060	0078	0094	0111	0126
R0160-01	90			0045	0061	0079	0095	0112	0127
R0160-01	100			0046	0062	0080	0096	0113	0128
R0160-01	110				0063	0081	0097	0114	0129
R0160-01	120				0064	0082	0098	0115	0130
R0160-01	140					0083	0099	0116	0131
R0160-01	160						0100	0117	0132
R0160-01	200						0101	0118	0133

## R0161 Vite a colletto con distanziale rettificato - VGRD Shouldered screw with ground spacer - VGRD



### Descrizione:

Esempio di ordinativo: **R0161-01-0001**  
Materiale: classe 12.9 UNI 5931

### Description:

Example of purchasing order: **R0161-01-0001**  
Material: steel type 12.9 UNI 5931

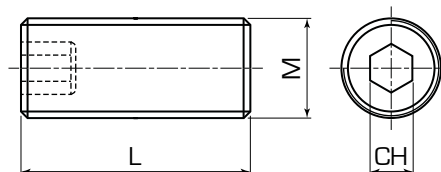
M	M6	M8	M10	M12	M16
D	10	12.5	15	17.5	23
D1	15	19	23	27	34
K	6	6.5	7.5	9	11

Codice Code	L	M (L1)				
		M6	M8	M10	M12	M16
R0161-03	15	0001 (30)				
R0161-03	20	0002 (35)	0017 (35)	0034 (40)		
R0161-03	25	0003 (40)	0018 (40)	0035 (45)		
R0161-03	30	0004 (45)	0019 (45)	0036 (50)	0055 (50)	
R0161-03	35	0005 (50)	0020 (50)	0037 (55)	0056 (55)	
R0161-03	40	0006 (55)	0021 (55)	0038 (60)	0057 (60)	0075 (70)
R0161-03	45	0007 (60)	0022 (60)	0039 (65)	0058 (65)	0076 (75)
R0161-03	50	0008 (65)	0023 (65)	0040 (70)	0059 (70)	0077 (80)
R0161-03	55	0009 (70)	0024 (70)	0041 (75)	0060 (80)	0078 (90)
R0161-03	60	0010 (80)	0025 (80)	0042 (80)	0061 (90)	0079 (90)
R0161-03	65	0011 (80)	0026 (80)	0043 (85)	0062 (90)	0080 (100)
R0161-03	70	0012 (90)	0027 (90)	0044 (90)	0063 (100)	0081 (100)
R0161-03	80	0013 (100)	0028 (100)	0045 (100)	0064 (110)	0082 (110)
R0161-03	90	0014 (110)	0029 (110)	0046 (110)	0065 (120)	0083 (120)
R0161-03	100	0015 (120)	0030 (120)	0047 (120)	0066 (130)	0084 (130)
R0161-03	110	0016 (130)	0031 (130)	0048 (130)	0067 (140)	0085 (140)
R0161-03	120		0032 (140)	0049 (140)	0068 (150)	0086 (150)
R0161-03	140		0033 (160)	0050 (160)	0069 (180)	0087 (180)
R0161-03	150			0051 (170)	0070 (180)	0088 (180)
R0161-03	160			0052 (180)	0071 (200)	0089 (200)
R0161-03	180			0053 (200)	0072 (220)	0090 (210)
R0161-03	200			0054 (220)	0073 (240)	0091 (240)
R0161-03	220				0074 (260)	0092 (250)
R0161-03	230					0093 (260)

## R0165

Grani (UNI5923, DIN913) - GR

Hexagon socket set screws (UNI5923, DIN913) - GR



**Descrizione:**

Esempio di ordinativo: R0165-01-0001

Materiale: Classe 12.9

Normativa: UNI 5923 - DIN 913

**Description:**

Example of purchasing order: R0165-01-0001

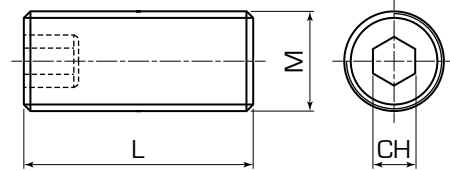
Material: Class 12.9

Standard: UNI 5923 - DIN 913

M	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
CH	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	8/10	10	12	12	19	14
Passo - T. pitch	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M																
		M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0165-01	2	0001	0009															
	2.5	0002	0010															
	3	0003	0011	0024	0039													
	4	0004	0012	0025	0040	0061	0084											
	5	0005	0013	0026	0041	0062	0085	0112										
	6	0006	0014	0027	0042	0063	0086	0113	0145									
	7			0028	0064	0114												
	8	0007	0015	0029	0043	0065	0087	0115	0146	0177								
	9				0044	0066												
	10	0008	0016	0030	0045	0067	0088	0116	0147	0178	0210	0238						
	12		0017	0031	0046	0068	0089	0117	0148	0179	0211	0239						
	14			0032	0047	0069	0090	0118	0149	0180	0212	0240						
	16			0033	0048	0070	0091	0119	0150	0181	0213	0241	0265	0285				0363
	18			0034	0049	0071	0092	0120	0151	0182	0214	0242	0266					
	20			0035	0050	0072	0093	0121	0152	0183	0215	0243	0267	0286	0306	0326	0345	0364
	22			0036	0051	0073	0094	0122	0153	0184								
	25			0037	0052	0074	0095	0123	0154	0185	0216	0244	0268	0287	0307	0327	0346	0365
	28				0053	0096												
30			0038	0054	0075	0097	0124	0155	0186	0217	0245	0269	0288	0308	0328	0347	0366	
35				0055	0076	0098	0125	0156	0187	0218	0246	0270	0289	0309	0329	0348	0367	
40				0056	0077	0099	0126	0157	0188	0219	0247	0271	0290	0310	0330	0349	0368	
45				0057	0078	0100	0127	0158	0189	0220	0248	0272	0291	0311	0331	0350	0369	
50				0058	0079	0101	0128	0159	0190	0221	0249	0273	0292	0312	0332	0351	0370	
55				0059	0080	0102	0129	0160	0191	0222	0250		0293	0313				

## R0165 Grani (UNI5923, DIN913) - GR Hexagon socket set screws (UNI5923, DIN913) - GR



**Descrizione:** **Description:**

Esempio di ordinativo: **R0165-01-0001**  
 Materiale: Classe 12.9  
 Normativa: UNI 5923 - DIN 913

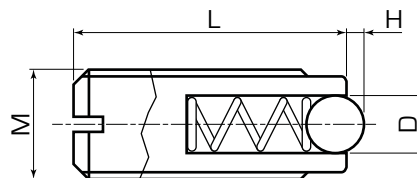
Example of purchasing order: **R0165-01-0001**  
 Material: Class 12.9  
 Standard: UNI 5923 - DIN 913

M	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
CH	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	8/10	10	12	12	19	14
Passo - T. pitch	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M																
		M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0165-01	60				0060	0081	0103	0130	0161	0192	0223	0251	0274	0294	0314	0333	0352	0371
	65					0082	0104	0131	0162	0193	0224	0252			0315			
	70					0083	0105	0132	0163	0194	0225	0253	0275	0295	0316	0334	0353	0372
	75						0106	0133	0164	0195	0226	0254		0296				
	80						0107	0134	0165	0196	0227	0255	0276	0297	0317	0335	0354	0373
	85						0108	0135	0166	0197						0336		
	90						0109	0136	0167	0198	0228	0256	0277	0298	0318	0337	0355	0374
	95						0110	0137	0168	0199								
	100						0111	0138	0169	0200	0229	0257	0278	0299	0319	0338	0356	0375
	110							0139	0170	0201	0230	0258	0279	0300	0320	0339	0357	0376
	115										0231			0301				
	120							0140	0171	0202	0232	0259	0280		0321	0340	0358	0377
	130							0141	0172	0203	0233	0260	0281	0302	0322	0341	0359	0378
	135																	
	140							0142	0173	0204	0234	0261	0282	0303	0323	0342	0360	0379
	150								0174	0205	0235	0262	0283	0304	0324	0343	0361	0380
	160							0143	0175		0236	0263	0284	0305	0325	0344	0362	0381
	170								0176	0206		0264						
180							0144		0207	0237								
190									0208									
200									0209									

## R0166

Grani a sfera - GRSF  
Ball spring plungers - GRSF



### Descrizione:

Materiale:  
Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

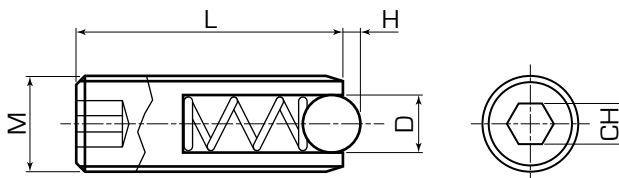
### Description:

Material:  
Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force
R0166-01-0001	M3	7	0.5	1.5	1.5	3
R0166-01-0002	M4	9	0.8	2.5	6	12
R0166-01-0003	M5	12	0.9	3	7	13
R0166-01-0004	M6	14	1	3.5	9	15
R0166-01-0005	M8	16	1.5	5	20	35
R0166-01-0006	M10	19	2	6	25	45
R0166-01-0007	M12	22	2.5	8	35	60
R0166-01-0008	M16	24	3.5	10	65	110
R0166-01-0009	M20	30	4.5	12	80	160

## R0167

Grani a sfera con esagono incassato - GRSF ES  
Hex-socket ball spring plungers - GRSF ES

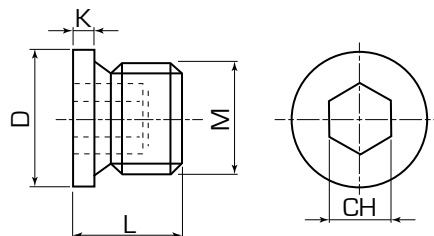


Materiale:  
Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

Material:  
Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force	CH
R0167-01-0001	M6	15	1	3.5	9	13	3
R0167-01-0002	M8	18	1.5	4.5	15	30	4
R0167-01-0003	M10	23	2	6	20	35	5
R0167-01-0004	M12	26	2.5	8	30	55	6
R0167-01-0005	M16	33	3.5	10	65	125	8
R0167-01-0006	M20	43	4.5	12	80	160	10
R0167-01-0007	M24	48	5.5	15	90	180	12

## R0169 Tappo cilindrico con battuta DIN908 Cylindrical plug with head DIN908



### Descrizione:

Materiale: Acciaio 5.8 Fosfatato

### Description:

Material: Steel 5.8 Phosphatized

### Passi metrici

### Meters sizes

Codice Code	D	L	K	M	CH	Passo Thread pitch
R0169-01-0001	12	11	3	M8	4	1
R0169-01-0002	14	11	3	M10	5	1
R0169-01-0003	17	15	3	M12	6	1,5
R0169-01-0004	19	15	3	M14	6	1,5
R0169-01-0005	21	15	3	M16	8	1,5
R0169-01-0006	23	16	4	M18	8	1,5
R0169-01-0007	25	18	4	M20	10	1,5
R0169-01-0008	27	18	4	M22	10	1,5
R0169-01-0009	29	18	4	M24	12	1,5
R0169-01-0010	31	20	4	M26	12	1,5
R0169-01-0011	32	20	4	M27	12	2
R0169-01-0012	36	20	4	M30	17	1,5
R0169-01-0013	39	21	5	M33	17	2
R0169-01-0014	42	21	5	M36	19	1,5
R0169-01-0015	44	21	5	M38	19	1,5
R0169-01-0016	49	21	5	M42	22	1,5
R0169-01-0017	52	21	5	M45	22	1,5
R0169-01-0018	55	21	5	M48	24	1,5

### Passi in pollici

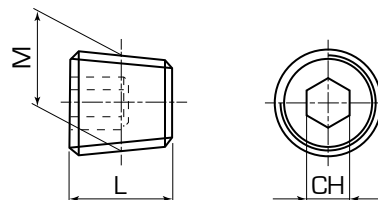
### Inches sizes

Codice Code	M	L	D	K	CH
R0169-01-0019	1/8" Gas	11	14	3	5
R0169-01-0020	1/4" Gas	15	18	3	6
R0169-01-0021	3/8" Gas	15	22	3	8
R0169-01-0022	1/2" Gas	18	26	4	10
R0169-01-0023	3/4" Gas	20	32	4	12
R0169-01-0024	1" Gas	21	39	5	17
R0169-01-0025	1 1/4" Gas	21	49	5	22
R0169-01-0026	1 1/2" Gas	21	55	5	24
R0169-01-0027	2" Gas	25	68	5	32



## R0168

Tappo conico DIN906  
Conical plug DIN906



### Descrizione:

Materiale: Acciaio 5.8 Fosfatato

### Description:

Material: Steel 5.8 Phosphatized

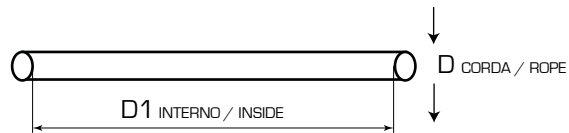
### Passi metrici Meters sizes

Codice Code	M	L	CH	Passo Thread pitch
R0168-01-0001	M6	6	3	1
R0168-01-0002	M8	8	4	1
R0168-01-0003	M10	8	5	1
R0168-01-0004	M12	10	6	1,5
R0168-01-0005	M14	10	7	1,5
R0168-01-0006	M16	10	8	1,5
R0168-01-0007	M18	10	8	1,5
R0168-01-0008	M20	10	10	1,5
R0168-01-0009	M22	10	10	1,5
R0168-01-0010	M24	12	12	1,5
R0168-01-0011	M26	12	12	1,5
R0168-01-0012	M30	12	17	1,5
R0168-01-0013	M36	15	19	1,5
R0168-01-0014	M38	15	19	1,5
R0168-01-0015	M42	18	22	1,5
R0168-01-0016	M42	18	22	2
R0168-01-0017	M48	20	24	1,5
R0168-01-0018	M48	20	24	2

### Passi in pollici Inches sizes

Codice Code	M	L	CH
R0168-01-0019	1/8" Gas	8	5
R0168-01-0020	1/4" Gas	10	7
R0168-01-0021	3/8" Gas	10	8
R0168-01-0022	1/2" Gas	10	10
R0168-01-0023	3/4" Gas	12	12
R0168-01-0024	1" Gas	12	17
R0168-01-0025	1 1/4" Gas	18	22
R0168-01-0026	1 1/2" Gas	22	24

## R0159 O-Ring - OR O-Ring - OR



### Descrizione:

Esempio di ordinativo: **R0159-01-0001**  
Materiale: NBR, VITON

### Description:

Example of purchasing order: **R0159-01-0001**  
Material: NBR, VITON

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
1,78	1,78	004	2007	0001	0002
1,78	2,57	005	2010	0003	0004
1,78	2,9	006	2012	0005	0006
1,78	3,68	007	2015	0007	0008
1,78	4,47	008	2018	0009	0010
1,78	5,28	009	2021	0011	0012
1,78	6,07	010	2025	0013	0014
1,78	6,75	010	106	0015	0016
1,78	7,65	011	2031	0017	0018
1,78	8,73	011	108	0019	0020
1,78	9,25	012	2037	0021	0022
1,78	10,82	013	2043	0023	0024
1,78	11,11	806	114	0025	0026
1,78	12,42	014	2050	0027	0028
1,78	14	015	2056	0029	0030
1,78	15,6	016	2062	0031	0032
1,78	17,17	017	2068	0033	0034
1,78	18,77	018	2075	0035	0036
1,78	20,35	019	2081	0037	0038
1,78	21,95	020	2087	0039	0040
1,78	23,52	021	2093	0041	0042
1,78	25,12	022	2100	0043	0044
1,78	26,72	023	2106	0045	0046
1,78	28,3	024	2112	0047	0048
1,78	29,87	025	2118	0049	0050
1,78	31,47	026	2125	0051	0052
1,78	33,05	027	2131	0053	0054
1,78	34,65	028	2137	0055	0056
1,78	37,82	029	2150	0057	0058
1,78	41	030	2162	0059	0060
1,78	44,17	031	2175	0061	0062
1,78	47,35	032	2187	0063	0064
1,78	50,52	033	2200	0065	0066
1,78	53,7	034	2212	0067	0068
1,78	56,87	035	2225	0069	0070
1,78	60,05	036	2237	0071	0072
1,78	63,22	037	2250	0073	0074
1,78	66,4	038	2262	0075	0076
1,78	69,57	039	2275	0077	0078
1,78	72,75	040	2287	0079	0080
1,78	75,92	041	2300	0081	0082
1,78	82,27	042	2325	0083	0084
1,78	88,62	043	2350	0085	0086
1,78	94,97	044	2375	0087	0088
1,78	101,32	045	2400	0089	0090
1,78	107,67	046	2425	0091	0092
1,78	114,02	047	2450	0093	0094
1,78	120,37	048	2475	0095	0096
1,78	126,72	049	2500	0097	0098
1,78	133,07	050	2525	0099	0100
2,62	1,24	102	-	0101	0102

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
2,62	2,06	103	-	0103	0104
2,62	2,84	104	-	0105	0106
2,62	3,63	105	-	0107	0108
2,62	4,42	106	-	0109	0110
2,62	5,23	107	3021	0111	0112
2,62	6,02	108	3024	0113	0114
2,62	7,59	109	3030	0115	0116
2,62	9,19	110	3037	0117	0118
2,62	9,92	613	112	0119	0120
2,62	10,77	111	3043	0121	0122
2,62	11,91	614	115	0123	0124
2,62	12,37	112	3050	0125	0126
2,62	13,1	615	117	0127	0128
2,62	13,94	113	3056	0129	0130
2,62	15,08	616	119	0131	0132
2,62	15,54	114	3062	0133	0134
2,62	15,88	809	121	0135	0136
2,62	17,12	115	3068	0137	0138
2,62	17,86	617	123	0139	0140
2,62	18,72	116	3075	0141	0142
2,62	20,29	117	3081	0143	0144
2,62	20,63	812	128	0145	0146
2,62	21,89	118	3087	0147	0148
2,62	22,22	813	130	0149	0150
2,62	23,47	119	3093	0151	0152
2,62	23,81	814	132	0153	0154
2,62	25,07	120	3100	0155	0156
2,62	26,64	121	3106	0157	0158
2,62	28,24	122	3112	0159	0160
2,62	29,82	123	3118	0161	0162
2,62	31,42	124	3125	0163	0164
2,62	32,99	125	3131	0165	0166
2,62	34,6	126	3137	0167	0168
2,62	36,14	127	3143	0169	0170
2,62	37,77	128	3150	0171	0172
2,62	39,34	129	3156	0173	0174
2,62	40,95	130	3162	0175	0176
2,62	42,52	131	3168	0177	0178
2,62	44,12	132	3175	0179	0180
2,62	45,69	133	3181	0181	0182
2,62	47,3	134	3187	0183	0184
2,62	48,9	135	3193	0185	0186
2,62	50,47	136	3200	0187	0188
2,62	52,07	137	3206	0189	0190
2,62	53,65	138	3212	0191	0192
2,62	55,25	139	3218	0193	0194
2,62	56,82	140	3225	0195	0196
2,62	58,42	141	3231	0197	0198
2,62	60	142	3237	0199	0200
2,62	61,6	143	3243	0201	0202
2,62	63,17	144	3250	0203	0204
2,62	64,77	145	3256	0205	0206

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
2,62	66,35	146	3262	0207	0208
2,62	67,95	147	3268	0209	0210
2,62	69,52	148	3275	0211	0212
2,62	71,12	149	3281	0213	0214
2,62	72,69	150	3287	0215	0216
2,62	75,87	151	3300	0217	0218
2,62	82,22	152	3325	0219	0220
2,62	88,57	153	3350	0221	0222
2,62	94,92	154	3375	0223	0224
2,62	101,27	155	3400	0225	0226
2,62	107,62	156	3425	0227	0228
2,62	113,97	157	3450	0229	0230
2,62	120,33	158	3475	0231	0232
2,62	126,67	159	3500	0233	0234
2,62	133	160	3525	0235	0236
2,62	139,38	161	3550	0237	0238
2,62	145,72	162	3575	0239	0240
2,62	152,07	163	3600	0241	0242
2,62	158,43	164	3625	0243	0244
2,62	164,78	165	3650	0245	0246
2,62	171,13	166	3675	0247	0248
2,62	177,48	167	3700	0249	0250
2,62	183,83	168	3725	0251	0252
2,62	190,18	169	3750	0253	0254
2,62	196,53	170	3775	0255	0256
2,62	202,88	171	3800	0257	0258
2,62	209,23	172	3825	0259	0260
2,62	215,58	173	3850	0261	0262
2,62	221,93	174	3875	0263	0264
2,62	228,28	175	3900	0265	0266
2,62	234,62	176	3925	0267	0268
2,62	240,98	177	3950	0269	0270
2,62	247,32	178	3975	0271	0272
3,53	7,52	203	4028	0273	0274
3,53	9,12	204	4036	0275	0276
3,53	10,69	205	4042	0277	0278
3,53	12,3	206	4050	0279	0280
3,53	13,87	207	4055	0281	0282
3,53	15,47	208	4061	0283	0284
3,53	17,04	209	4067	0285	0286
3,53	18,64	210	4075	0287	0288
3,53	20,22	211	4081	0289	0290
3,53	21,82	212	4087	0291	0292
3,53	23,4	213	4093	0293	0294
3,53	24,99	214	4100	0295	0296
3,53	25,8	618	134	0297	0298
3,53	26,58	215	4106	0299	0300
3,53	28,17	216	4112	0301	0302
3,53	29,75	217	4118	0303	0304
3,53	31,34	218	4125	0305	0306
3,53	32,92	219	4131	0307	0308



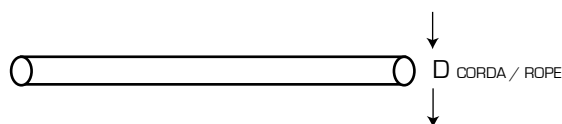
## R0159 O-Ring - OR O-Ring - OR

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
6,99	196,22	444	8775	<b>0749</b>	<b>0750</b>
6,99	200	886	239	<b>0751</b>	<b>0752</b>
6,99	202,57	445	8800	<b>0753</b>	<b>0754</b>
6,99	208,92	674	8825	<b>0755</b>	<b>0756</b>
6,99	215,27	446	8850	<b>0757</b>	<b>0758</b>
6,99	221,62	676	8875	<b>0759</b>	<b>0760</b>
6,99	227,97	447	8900	<b>0761</b>	<b>0762</b>
6,99	234,32	678	8925	<b>0763</b>	<b>0764</b>
6,99	240,67	448	8950	<b>0765</b>	<b>0766</b>
6,99	247	680	8975	<b>0767</b>	<b>0768</b>
6,99	253,37	449	81000	<b>0769</b>	<b>0770</b>
6,99	259,7	682	81025	<b>0771</b>	<b>0772</b>
6,99	266,07	450	81050	<b>0773</b>	<b>0774</b>
6,99	272,4	684	81075	<b>0775</b>	<b>0776</b>

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
6,99	278,77	451	81100	<b>0777</b>	<b>0778</b>
6,99	285,1	686	81125	<b>0779</b>	<b>0780</b>
6,99	291,47	452	81150	<b>0781</b>	<b>0782</b>
6,99	297,8	688	81175	<b>0783</b>	<b>0784</b>
6,99	304,17	453	81200	<b>0785</b>	<b>0786</b>
6,99	316,87	454	81250	<b>0787</b>	<b>0788</b>
6,99	329,57	455	81300	<b>0789</b>	<b>0790</b>
6,99	342,27	456	81350	<b>0791</b>	<b>0792</b>
6,99	354,97	457	81400	<b>0793</b>	<b>0794</b>
6,99	367,67	458	81450	<b>0795</b>	<b>0796</b>
6,99	380,37	459	81500	<b>0797</b>	<b>0798</b>
6,99	393,07	460	81550	<b>0799</b>	<b>0800</b>
6,99	405,26	461	81600	<b>0801</b>	<b>0802</b>
6,99	417,96	462	81650	<b>0803</b>	<b>0804</b>

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
6,99	430,66	463	81700	<b>0805</b>	<b>0806</b>
6,99	443,36	464	81750	<b>0807</b>	<b>0808</b>
6,99	456,06	465	81800	<b>0809</b>	<b>0810</b>
6,99	468,76	466	81850	<b>0811</b>	<b>0812</b>
6,99	481,46	467	81900	<b>0813</b>	<b>0814</b>
6,99	494,16	468	81950	<b>0815</b>	<b>0816</b>
6,99	506,86	469	82000	<b>0817</b>	<b>0818</b>
6,99	532,26	470	82100	<b>0819</b>	<b>0820</b>
6,99	557,66	471	82200	<b>0821</b>	<b>0822</b>
6,99	582,68	472	82300	<b>0823</b>	<b>0824</b>
6,99	608,8	473	82400	<b>0825</b>	<b>0826</b>
6,99	633,48	474	82500	<b>0827</b>	<b>0828</b>
6,99	658,88	475	82600	<b>0829</b>	<b>0830</b>

## R0688 O-Ring, Corda - OR Rubber cord rope - OR



### Descrizione:

Esempio di ordinativo: **R0688-01-0001**

Materiale: NBR, VITON

Nota: Quantità minima 1 m (indicare la misura desiderata)

### Description:

Example of purchasing order: **R0688-01-0001**

Material: NBR, VITON

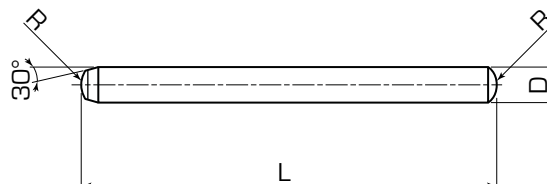
Note: Minimum quantity 1 m (specify the requested length of the rope)

Codice Code	D	NBR	VITON
R0688-01	1.78	0001	0002
R0688-01	2.00	0003	0004
R0688-01	2.62	0005	0006
R0688-01	3.00	0007	0008
R0688-01	3.20	0009	0010
R0688-01	3.53	0011	0012
R0688-01	4.00	0013	0014
R0688-01	5.00	0015	0016

Codice Code	D	NBR	VITON
R0688-01	5.34	0017	0018
R0688-01	6.00	0019	0020
R0688-01	6.35	0021	0022
R0688-01	7.00	0023	0024
R0688-01	8.00	0025	0026
R0688-01	9.00	0027	0028
R0688-01	10.00	0029	0030
R0688-01	11.00	0031	0032

Codice Code	D	NBR	VITON
R0688-01	12.00	0033	0034
R0688-01	13.00	0035	0036
R0688-01	14.00	0037	0038
R0688-01	16.00	0039	0040
R0688-01	18.00	0043	0044
R0688-01	19.00	0045	
R0688-01	20.00	0047	0048

## R0157 Spina cilindrica (DIN6325, UNI6364A) - SC Dowel pin (DIN6325, UNI6364A) - SC



### Descrizione:

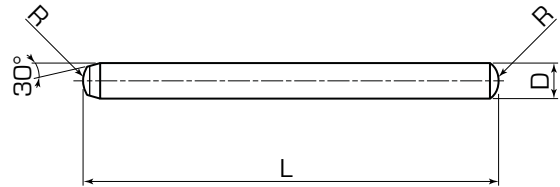
Esempio di ordinativo: R0157-01-0001  
 Materiale: Acciaio per utensili Temprato  
 Tolleranza di rettifica: "m6" e "h6"

### Description:

Example of purchasing order: R0157-01-0001  
 Material: Hardened Tool Steel  
 Tolerance: "m6" and "h6"

Codice Code	Tol. D	L	D															
			1	1.5	2	2.5	3	4	5	6	8	10	12	14	16	18	20	
R0157-01	m6	4	0002															
R0157-01	m6	5	0004	0014														
R0157-01	h6	6			0033			0081	0109									
R0157-01	m6	6	0006	0016	0034	0058	0082	0110										
R0157-01	h6	8			0035		0083	0111	0145									
R0157-01	m6	8	0008	0018	0036	0060	0084	0112	0146									
R0157-01	h6	10			0037		0085	0113	0147	0184								
R0157-01	m6	10	0010	0020	0038	0062	0086	0114	0148	0185								
R0157-01	h6	12			0039		0087	0115	0149	0186								
R0157-01	m6	12	0012	0022	0040	0064	0088	0116	0150	0187								
R0157-01	h6	14			0041		0089	0117	0151	0188								
R0157-01	m6	14		0024	0042	0066	0090	0118	0152	0189								
R0157-01	h6	16			0043		0091	0119	0153	0190	0222							
R0157-01	m6	16		0026	0044	0068	0092	0120	0154	0191	0223							
R0157-01	h6	18			0045		0093	0121	0155	0192	0224	0256						
R0157-01	m6	18		0028	0046	0070	0094	0122	0156	0193	0225	0257						
R0157-01	h6	20			0047		0095	0123	0157	0194	0226	0258	0290					
R0157-01	m6	20		0030	0048	0072	0096	0124	0158	0195	0227	0259	0291					
R0157-01	h6	24			0049		0097	0125	0159	0196	0228	0260	0292					
R0157-01	m6	24		0032	0050	0074	0098	0126	0160	0197	0229	0261	0293					
R0157-01	h6	28			0051		0099	0127	0162	0198	0230	0262	0294					
R0157-01	m6	28			0052	0076	0100	0128	0163	0199	0231	0263	0295					
R0157-01	h6	30			0053		0101	0129	0164	0200	0232	0264	0296					
R0157-01	m6	30			0054	0078	0102	0130	0165	0201	0233	0265	0297					
R0157-01	h6	32			0055		0103	0131	0166	0202	0234	0266	0298					
R0157-01	m6	32			0056	0080	0104	0132	0167	0203	0235	0267	0299					

## R0157 Spina cilindrica (DIN6325, UNI6364A) - SC Dowel pin (DIN6325, UNI6364A) - SC



### Descrizione:

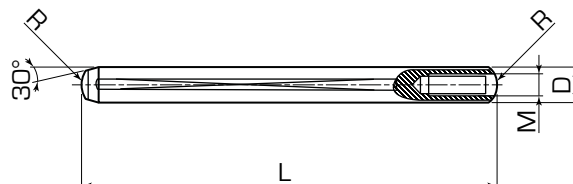
Esempio di ordinativo: **R0157-01-0001**  
 Materiale: Acciaio per utensili Temprato  
 Tolleranza di rettifica: "m6" e "h6"

### Description:

Example of purchasing order: **R0157-01-0001**  
 Material: Hardened Tool Steel  
 Tolerance: "m6" and "h6"

Codice Code	Tol. D	L	D															
			1	1.5	2	2.5	3	4	5	6	8	10	12	14	16	18	20	
R0157-01	h6	36					0105	0133	0168	0204	0236	0268	0300					
R0157-01	m6	36					0106	0134	0169	0205	0237	0269	0301					
R0157-01	h6	40					0107	0135	0170	0206	0238	0270	0302	0326	0350	0374	0398	
R0157-01	m6	40					0108	0136	0171	0207	0239	0271	0303	0327	0351	0375	0399	
R0157-01	h6	45						0137	0172	0208	0240	0272	0304	0328	0352	0376	0400	
R0157-01	m6	45						0138	0173	0209	0241	0273	0305	0329	0353	0377	0401	
R0157-01	h6	50						0139	0174	0210	0242	0274	0306	0330	0354	0378	0402	
R0157-01	m6	50						0140	0175	0211	0243	0275	0307	0331	0355	0379	0403	
R0157-01	h6	55						0141	0176	0212	0244	0276	0308	0332	0356	0380	0404	
R0157-01	m6	55						0142	0177	0213	0245	0277	0309	0333	0357	0381	0405	
R0157-01	h6	60						0143	0178	0214	0246	0278	0310	0334	0358	0382	0406	
R0157-01	m6	60						0144	0179	0215	0247	0279	0311	0335	0359	0383	0407	
R0157-01	h6	70							0180	0216	0248	0280	0312	0336	0360	0384	0408	
R0157-01	m6	70							0181	0217	0249	0281	0313	0337	0361	0385	0409	
R0157-01	h6	80							0182	0218	0250	0282	0314	0338	0362	0386	0410	
R0157-01	m6	80							0183	0219	0251	0283	0315	0339	0363	0387	0411	
R0157-01	h6	90								0220	0252	0284	0316	0340	0364	0388	0412	
R0157-01	m6	90								0221	0253	0285	0317	0341	0365	0389	0413	
R0157-01	h6	100									0254	0286	0318	0342	0366	0390	0414	
R0157-01	m6	100									0255	0287	0319	0343	0367	0391	0415	
R0157-01	h6	120										0288	0320	0344	0368	0392	0416	
R0157-01	m6	120										0289	0321	0345	0369	0393	0417	
R0157-01	h6	140											0322	0346	0370	0394	0418	
R0157-01	m6	140											0323	0347	0371	0395	0419	
R0157-01	h6	150												0324	0348	0372	0396	0420
R0157-01	m6	150												0325	0349	0373	0397	0421

## R0158 Spina cilindrica con foro filettato (DIN7979, UNI6364B) - SCF Dowel pin with threaded hole (DIN7979, UNI6364B) - SCF



### Descrizione:

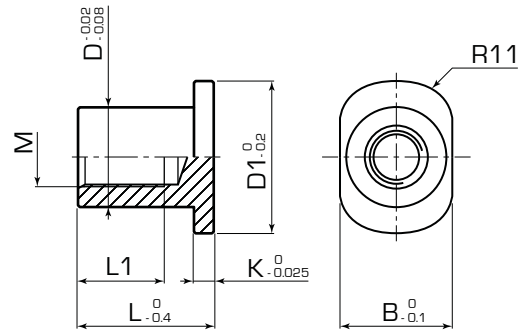
Esempio di ordinativo: R0158-01-0001  
 Materiale: Acciaio per utensili Temprato  
 Tolleranza di rettifica: "m6" e "h6"

### Description:

Example of purchasing order: R0158-01-0001  
 Material: Hardened Tool Steel  
 Tolerance: "m6" and "h6"

Codice Code	Tolleranza Tolerance D	L	D x M							
			6 x M4	8 x M5	10 x M6	12 x M6	14 x M8	16 x M8	18 x M10	20 x M10
R0158-01	h6	20	0001	0030	0060	0092				
R0158-01	m6	20	0002	0031	0061	0093				
R0158-01	h6	24	0003	0032	0062	0094				
R0158-01	m6	24	0004	0033	0063	0095				
R0158-01	h6	30	0006	0034	0064	0097	0125			
R0158-01	m6	30	0007	0035	0065	0098	0126			
R0158-01	h6	32	0008	0036	0066	0099				
R0158-01	m6	32	0009	0037	0067	0100				
R0158-01	h6	36	0010	0038	0068	0101	0127	0153		
R0158-01	m6	36	0011	0039	0069	0102	0128	0154		
R0158-01	h6	40	0012	0040	0070	0103	0129	0155	0179	0203
R0158-01	m6	40	0013	0041	0071	0104	0130	0156	0180	0204
R0158-01	h6	45	0014	0042	0072	0105	0131	0157	0181	0205
R0158-01	m6	45	0015	0043	0073	0106	0132	0158	0182	0206
R0158-01	h6	50	0016	0044	0074	0107	0133	0159	0183	0207
R0158-01	m6	50	0017	0045	0075	0108	0134	0160	0184	0208
R0158-01	h6	55	0018	0046	0076	0109	0135	0161	0185	0209
R0158-01	m6	55	0019	0047	0077	0110	0136	0162	0186	0210
R0158-01	h6	60	0020	0048	0078	0111	0137	0163	0187	0211
R0158-01	m6	60	0021	0049	0079	0112	0138	0164	0188	0212
R0158-01	h6	70	0022	0050	0080	0113	0139	0165	0189	0213
R0158-01	m6	70	0023	0051	0081	0114	0140	0166	0190	0214
R0158-01	h6	80	0024	0052	0082	0115	0141	0167	0191	0215
R0158-01	m6	80	0025	0053	0083	0116	0142	0168	0192	0216
R0158-01	h6	90	0026	0054	0084	0117	0143	0169	0193	0217
R0158-01	m6	90	0027	0055	0085	0118	0144	0170	0194	0218
R0158-01	h6	100	0028	0056	0086	0119	0145	0171	0195	0219
R0158-01	m6	100	0029	0057	0087	0120	0146	0172	0196	0220
R0158-01	h6	120		0058	0088	0121	0147	0173	0197	0221
R0158-01	m6	120		0059	0089	0122	0148	0174	0198	0222
R0158-01	h6	140			0090	0123	0149	0175	0199	0223
R0158-01	m6	140			0091	0124	0150	0176	0200	0224
R0158-01	h6	150					0151	0177		
R0158-01	m6	150					0152	0178		
R0158-01	h6	160							0201	0225
R0158-01	m6	160							0202	0226

**R0129** Inserto filettato per estrazione - R1515  
Threaded insert for ejector set - R1515



**Descrizione:**

Esempio di ordinativo: R0129-01-0001  
Materiale: 1.7130

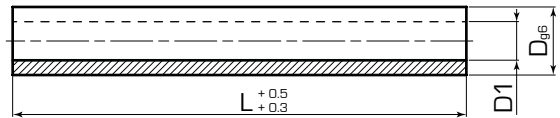
**Description:**

Example of purchasing order: R0129-01-0001  
Material: 1.7130

Codice Code	M	D	D1	L1	K	B	L								
							42	47	52	61	66	71	76	85	95
R0129-01	M10	30	46	24	6	34	0001	0002	0003	0004					
R0129-01	M12	30	46	24	6	34	0005	0006	0007	0008		0031			
R0129-01	M16	30	46	24	6	34	0009	0010	0011	0012		0034	0032	0033	
R0129-01	M20	40	56	28	6	46	0013								
R0129-01	M20	40	56	30	6	46		0014	0015	0016	0017	0018	0019	0020	0021
R0129-01	M24	40	56	28	6	46	0022								
R0129-01	M24	40	56	33	6	46		0023							
R0129-01	M24	40	56	36	6	46			0024	0025	0026	0027	0028	0029	0030



**R0121** Bussola guida  
Guide bush



**Descrizione:**

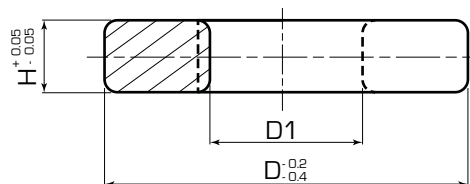
Esempio di ordinativo: R0121-01-0001  
Materiale: 1.1191

**Description:**

Example of purchasing order: R0121-01-0001  
Material: 1.1191

Codice Code	D	D1	L																		
			20	30	40	50	60	70	80	100	120	140	160	180	200	220	240	260	280	300	
R0121-01	10	6.2	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010									
R0121-01	14	8.5		0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021							
R0121-01	18	10.5			0022		0023		0024	0025	0026	0027	0028	0029	0030	0031	0032				
R0121-01	24	13					0033		0034	0035	0036	0037	0038	0039	0040		0041				
R0121-01	30	17							0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	

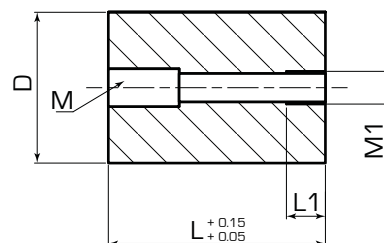
**R0122** Disco per bussola guida R0121  
Disc for guide bush R0121



<b>Descrizione:</b>	<b>Description:</b>
Material: 1.7139	Material: 1.7139

Codice Code	D	H	D1
R0122-01-0001	14	3	6.2
R0122-01-0002	18	4	8.5
R0122-01-0003	24	5	10.5
R0122-01-0004	30	6	13
R0122-01-0005	40	8	17

**R0123** Supporto  
Support pillar



**Descrizione:**

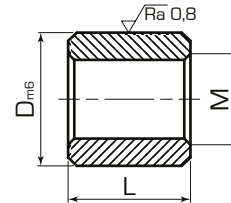
Esempio di ordinativo: R0123-01-0001  
Materiale: 1.7139

**Description:**

Example of purchasing order: R0123-01-0001  
Material: 1.7139

Codice Code	D	M	M1	L1	L												
					46	56	66	76	86	96	116	136	156	176	196	236	246
R0123-01	32	M6	M8	15	0001	0002	0003	0004	0005	0006	0007	0008					
R0123-01	40	M8	M10	20	0009	0010	0011	0012	0013	0014	0015	0016	0017				
R0123-01	50	M8	M10	20	0018	0019	0020	0021	0022	0023	0024	0025	0026				
R0123-01	60	M8	M10	20		0027	0028	0029	0030	0031	0032	0033	0034	0035			
R0123-01	63	M8	M10	20		0036	0037	0038	0039	0040	0041	0042	0043				
R0123-01	70	M10	M12	25			0044	0045	0046	0047	0048	0049	0050	0051			
R0123-01	80	M10	M12	25			0052	0053	0054	0055	0056	0057	0058	0059	0060		
R0123-01	100	M10	M12	25						0061	0062	0063	0064	0065	0066	0067	0068

**R0124** Bussola filettata per centraggio piastre - BC  
Threaded bush for plates locating - BC



**Descrizione:**

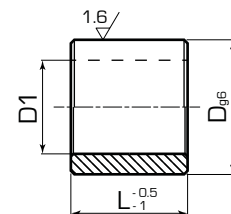
Materiale: Acciaio UNI 16 Ni Cr 4 Temprato

**Description:**

Material: Steel UNI 16 Ni Cr 4 Hardened

Codice Code	D	L	M
R0124-01-0001	12	16	M8
R0124-01-0002	14	16	M10
R0124-01-0003	16	16	M12
R0124-01-0004	18	16	M12
R0124-01-0005	18	16	M14
R0124-01-0006	20	16	M16
R0124-01-0007	22	16	M18

**R0551** Bussola di centraggio  
Centering bush



**Descrizione:**

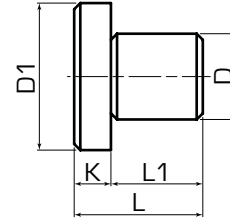
Materiale: 1.7131 Temprato

**Description:**

Material: 1.7131 Hardened

Codice Code	D	L	D1
R0551-01-0001	14	12	9
R0551-01-0002	16	14	11
R0551-01-0003	20	16	13
R0551-01-0004	26	18	16
R0551-01-0005	30	20	18
R0551-01-0006	36	20	22
R0551-01-0007	42	20	26
R0551-01-0008	54	20	32

**R0125** Appoggio Tavolino - AT  
Stop Pin - AT



**Descrizione:**

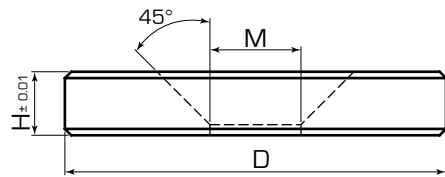
Materiale: Acciaio UNI 16 Ni Cr 4 Temprato

**Description:**

Material: Steel UNI 16 Ni Cr 4 Hardened

Codice Code	D	L	D1	L1	K
R0125-01-0002	8	20	18	15	5
R0125-01-0001	14	21	24	15	6

**R0126** Appoggio tavolino a rondella - ATR  
Buffer plate for ejector set - ATR



**Descrizione:**

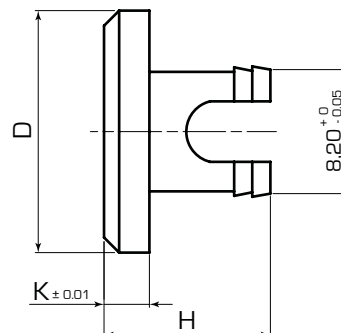
Materiale: Acciaio UNI 16 Ni Cr 4 Temprato

**Description:**

Material: Steel UNI 16 Ni Cr 4 Hardened

Codice Code	D	M	H
R0126-01-0001	18	M4	3
R0126-01-0002	20	M5	4
R0126-01-0003	20	M5	5
R0126-01-0004	26	M4	4
R0126-01-0005	28	M4	3
R0126-01-0006	30	M5	4

**R0127** Appoggio tavolino a pressione  
Spring washer



**Descrizione:**

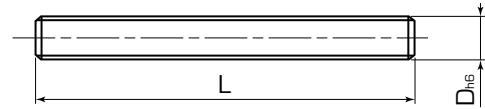
Materiale: 1.7139

**Description:**

Material: 1.7139

Codice Code	D	H	K
R0127-01-0001	16	11	3
R0127-01-0002	20	12	4
R0127-01-0003	25	11	3
R0127-01-0004	30	12	4

**R0538** Barra filettata brunita  
Burnished threaded bar



**Descrizione:**

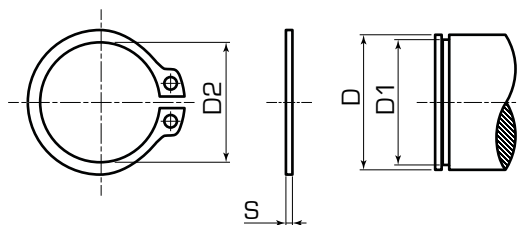
Materiale: UNI 42CrMo4 ASTM A193-B7 Classe 10.9  
Su richiesta filettatura sinistra

**Description:**

Material: UNI 42CrMo4 ASTM A193-B7 Class 10.9  
Note: Left-hand threaded on request

Codice Code	M	L
R0538-11-0001	M6	1000
R0538-11-0002	M8	1000
R0538-11-0003	M10	1000
R0538-11-0004	M12	1000
R0538-11-0005	M14	1000
R0538-11-0006	M16	1000
R0538-11-0007	M18	1000
R0538-11-0008	M20	1000
R0538-11-0009	M22	1000
R0538-11-0010	M24	1000
R0538-11-0011	M27	1000
R0538-11-0012	M30	1000
R0538-11-0013	M33	1000
R0538-11-0014	M36	1000
R0538-11-0015	M42	1000
R0538-11-0016	M48	1000

## R0170 Seeger per il montaggio su albero - SEEGER DIN471 External circlip ring - SEEGER DIN471



### Descrizione:

Materiale: Acciaio per molle

### Description:

Material: Steel for springs

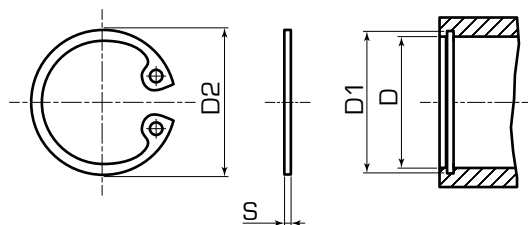
Codice Code	D	D1	D2	S
R0170-01-0001	3	2,8	2,7	0,4
R0170-01-0002	4	3,8	3,7	0,4
R0170-01-0003	5	4,8	4,7	0,6
R0170-01-0004	6	5,7	5,6	0,7
R0170-01-0005	7	6,7	6,5	0,8
R0170-01-0006	8	7,6	7,4	0,8
R0170-01-0007	9	8,6	8,4	1
R0170-01-0008	10	9,6	9,3	1
R0170-01-0009	11	10,5	10,2	1
R0170-01-0010	12	11,5	11	1
R0170-01-0011	13	12,4	11,9	1
R0170-01-0012	14	13,4	12,9	1
R0170-01-0013	15	14,3	13,8	1
R0170-01-0014	16	15,2	14,7	1
R0170-01-0015	17	16,2	15,7	1
R0170-01-0016	18	17	16,5	1,2
R0170-01-0017	19	18	17,5	1,2
R0170-01-0018	20	19	18,5	1,2
R0170-01-0019	21	20	19,5	1,2
R0170-01-0020	22	21	20,5	1,2
R0170-01-0021	23	22	21,5	1,2
R0170-01-0022	24	22,9	22,2	1,2
R0170-01-0023	25	23,9	23,2	1,2
R0170-01-0024	26	24,9	24,2	1,2
R0170-01-0025	27	25,6	24,9	1,2
R0170-01-0026	28	26,6	25,9	1,5
R0170-01-0027	29	27,6	26,9	1,5
R0170-01-0028	30	28,6	27,9	1,5
R0170-01-0029	31	29,3	28,6	1,5
R0170-01-0030	32	30,3	29,6	1,5
R0170-01-0031	33	31,3	30,5	1,5
R0170-01-0032	34	32,3	31,5	1,5
R0170-01-0033	35	33	32,2	1,5
R0170-01-0034	36	34	33,2	1,75
R0170-01-0035	37	35	34,2	1,75
R0170-01-0036	38	36	35,2	1,75
R0170-01-0037	39	37	36	1,75

Codice Code	D	D1	D2	S
R0170-01-0038	40	37,5	36,5	1,75
R0170-01-0039	41	38,5	37,5	1,75
R0170-01-0040	42	39,5	38,5	1,75
R0170-01-0041	44	41,5	40,5	1,75
R0170-01-0042	45	42,5	41,5	1,75
R0170-01-0043	46	43,5	42,5	1,75
R0170-01-0044	47	44,5	43,5	1,75
R0170-01-0045	48	45,5	44,5	1,75
R0170-01-0046	50	47	45,8	2
R0170-01-0047	52	49	47,8	2
R0170-01-0048	54	51	49,8	2
R0170-01-0049	55	52	50,8	2
R0170-01-0050	56	53	51,8	2
R0170-01-0051	57	54	52,8	2
R0170-01-0052	58	55	53,8	2
R0170-01-0053	60	57	55,8	2
R0170-01-0054	62	59	57,8	2
R0170-01-0055	63	60	58,8	2
R0170-01-0056	65	62	60,8	2,5
R0170-01-0057	67	64	62,5	2,5
R0170-01-0058	68	65	63,5	2,5
R0170-01-0059	70	67	65,5	2,5
R0170-01-0060	72	69	67,5	2,5
R0170-01-0061	75	72	70,5	2,5
R0170-01-0062	77	74	72,5	2,5
R0170-01-0063	78	75	73,5	2,5
R0170-01-0064	80	76,5	74,5	2,5
R0170-01-0065	82	78,5	76,5	2,5
R0170-01-0066	85	81,5	79,5	3
R0170-01-0067	87	83,5	81,5	3
R0170-01-0068	88	84,5	82,5	3
R0170-01-0069	90	86,5	84,5	3
R0170-01-0070	92	88,5	86,5	3
R0170-01-0071	95	91,5	89,5	3
R0170-01-0072	97	93,5	91,5	3
R0170-01-0073	98	94,5	92,5	3
R0170-01-0074	100	96,5	94,5	3

Codice Code	D	D1	D2	S
R0170-01-0075	102	98	95	4
R0170-01-0076	105	101	98	4
R0170-01-0077	107	103	100	4
R0170-01-0078	108	104	101	4
R0170-01-0079	110	106	103	4
R0170-01-0080	112	108	105	4
R0170-01-0081	115	111	108	4
R0170-01-0082	117	113	110	4
R0170-01-0083	118	114	111	4
R0170-01-0084	120	116	113	4
R0170-01-0085	122	118	115	4
R0170-01-0086	125	121	118	4
R0170-01-0087	127	123	120	4
R0170-01-0088	128	124	121	4
R0170-01-0089	130	126	123	4
R0170-01-0090	132	128	125	4
R0170-01-0091	135	131	128	4
R0170-01-0092	137	133	130	4
R0170-01-0093	138	134	131	4
R0170-01-0094	140	136	134	4
R0170-01-0095	142	138	135	4
R0170-01-0096	145	141	138	4
R0170-01-0097	147	143	140	4
R0170-01-0098	148	144	141	4
R0170-01-0099	150	145	142	4
R0170-01-0100	155	150	146	4
R0170-01-0101	160	155	151	4
R0170-01-0102	165	160	155,5	4
R0170-01-0103	170	165	160,5	4
R0170-01-0104	175	170	165,5	4
R0170-01-0105	180	175	170,5	4
R0170-01-0106	185	180	175,5	4
R0170-01-0107	190	185	180,5	4
R0170-01-0108	195	190	185,5	4
R0170-01-0109	200	195	190,5	4
R0170-01-0110	230	224	218	5
R0170-01-0111	380			6



## R0171 Seeger per il montaggio in fori - SEEGER DIN472 Internal circlip ring - SEEGER DIN472



### Descrizione:

Materiale: Acciaio per molle

### Description:

Material: Steel for springs

Codice Code	D	D1	D2	S
R0171-01-0001	8	8.4	8.7	0.8
R0171-01-0002	9	9.4	9.8	0.8
R0171-01-0003	10	10.4	10.8	1
R0171-01-0004	11	11.4	11.8	1
R0171-01-0005	12	12.5	13	1
R0171-01-0006	13	13.6	14.1	1
R0171-01-0007	14	14.6	15.1	1
R0171-01-0008	15	15.7	16.2	1
R0171-01-0009	16	16.8	17.3	1
R0171-01-0010	17	17.8	18.3	1
R0171-01-0011	18	19	19.5	1
R0171-01-0012	19	20	20.5	1
R0171-01-0013	20	21	21.5	1
R0171-01-0014	21	22	22.5	1
R0171-01-0015	22	23	23.5	1
R0171-01-0016	23	24.1	24.6	1.2
R0171-01-0017	24	25.2	25.9	1.2
R0171-01-0018	25	26.2	26.9	1.2
R0171-01-0019	26	27.2	27.9	1.2
R0171-01-0020	27	28.4	29.1	1.2
R0171-01-0021	28	29.4	30.1	1.2
R0171-01-0022	29	30.4	31.1	1.2
R0171-01-0023	30	31.4	32.1	1.2
R0171-01-0024	31	32.7	33.4	1.2
R0171-01-0025	32	33.7	34.4	1.2
R0171-01-0026	33	34.7	35.5	1.2
R0171-01-0027	34	35.7	36.5	1.5
R0171-01-0028	35	37	37.8	1.5
R0171-01-0029	36	38	38.8	1.5
R0171-01-0030	37	39	39.8	1.5
R0171-01-0031	38	40	40.8	1.5
R0171-01-0032	39	41	42	1.5
R0171-01-0033	40	42.5	43.5	1.75
R0171-01-0034	41	43.5	44.5	1.75
R0171-01-0035	42	44.5	45.5	1.75
R0171-01-0036	43	45.5	46.5	1.75
R0171-01-0037	44	46.5	47.5	1.75

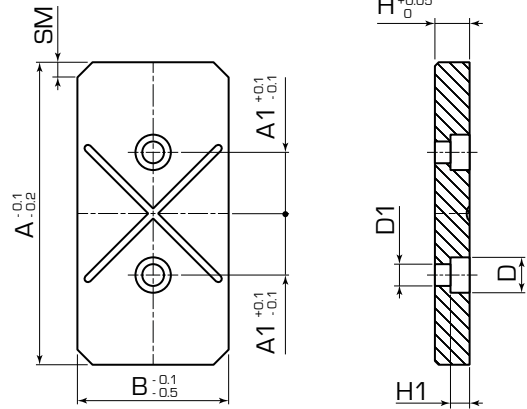
Codice Code	D	D1	D2	S
R0171-01-0038	45	47.5	48.5	1.75
R0171-01-0039	46	48.5	49.5	1.75
R0171-01-0040	47	49.5	50.5	1.75
R0171-01-0041	48	50.5	51.5	1.75
R0171-01-0042	49	51.5	52.5	1.75
R0171-01-0043	50	53	54.5	2
R0171-01-0044	51	54	55.2	2
R0171-01-0045	52	55	56.2	2
R0171-01-0046	53	56	57.2	2
R0171-01-0047	54	57	58.2	2
R0171-01-0048	55	58	59.2	2
R0171-01-0049	56	59	60.2	2
R0171-01-0050	57	60	61.2	2
R0171-01-0051	58	61	62.2	2
R0171-01-0052	60	63	64.2	2
R0171-01-0053	62	65	66.2	2
R0171-01-0054	63	66	67.2	2
R0171-01-0055	64	67	68.2	2
R0171-01-0056	65	68	69.2	2.5
R0171-01-0057	67	70	71.5	2.5
R0171-01-0058	68	71	72.5	2.5
R0171-01-0059	70	73	74.5	2.5
R0171-01-0060	72	75	76.5	2.5
R0171-01-0061	75	78	79.5	2.5
R0171-01-0062	77	80	81.5	2.5
R0171-01-0063	78	81	82.5	2.5
R0171-01-0064	80	83.5	85.5	2.5
R0171-01-0065	82	85.5	87.5	2.5
R0171-01-0066	85	88.5	90.5	3
R0171-01-0067	87	90.5	92.5	3
R0171-01-0068	88	91.5	93.5	3
R0171-01-0069	90	93.5	95.5	3
R0171-01-0070	92	95.5	97.5	3
R0171-01-0071	95	98.5	100.5	3
R0171-01-0072	97	100.5	102.5	3
R0171-01-0073	98	101.5	103.5	3
R0171-01-0074	100	103.5	105.5	3

Codice Code	D	D1	D2	S
R0171-01-0075	102	106	108	4
R0171-01-0076	105	109	112	4
R0171-01-0077	107	111	114	4
R0171-01-0078	108	112	115	4
R0171-01-0079	110	114	117	4
R0171-01-0080	112	116	119	4
R0171-01-0081	115	119	122	4
R0171-01-0082	117	121	124	4
R0171-01-0083	118	122	125	4
R0171-01-0084	120	124	127	4
R0171-01-0085	122	126	129	4
R0171-01-0086	125	129	132	4
R0171-01-0087	127	131	134	4
R0171-01-0088	128	132	135	4
R0171-01-0089	130	134	137	4
R0171-01-0090	132	136	139	4
R0171-01-0091	135	139	142	4
R0171-01-0092	137	141	144	4
R0171-01-0093	138	142	145	4
R0171-01-0094	140	144	147	4
R0171-01-0095	142	146	149	4
R0171-01-0096	145	149	152	4
R0171-01-0097	147	151	154	4
R0171-01-0098	148	152	155	4
R0171-01-0099	150	155	158	4
R0171-01-0100	155	160	164	4
R0171-01-0101	160	165	169	4
R0171-01-0102	165	170	174.5	4
R0171-01-0103	170	175	179.5	4
R0171-01-0104	175	180	184.5	4
R0171-01-0105	180	185	189.5	4
R0171-01-0106	185	190	194.5	4
R0171-01-0107	190	195	199.5	4
R0171-01-0108	195	200	204.5	4
R0171-01-0109	200	205	209.5	4
R0171-01-0110	250	256	262	5
R0171-01-0111	260	268	275	5

**R0702** Piastrina di aggiustaggio  
Pressure plate



TIPO 1  
TYPE 1



Descrizione:

Materiale: 1.2842, HRC 52-54

Description:

Material: 1.2842, HRC 52-24

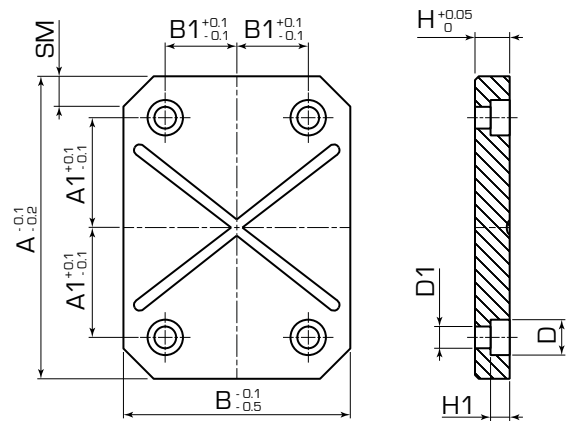
Tipo 1

Type 1

Codice Code	A	B	H	A1	D	H1	D1	SM
R0702-01-0001	80	40	18,1	20	16	10	9,5	8
R0702-01-0002	100	40	18,1	20	16	10	9,5	8
R0702-01-0003	100	60	18,1	20	16	10	9,5	8
R0702-01-0004	120	60	18,1	30	16	10	9,5	8
R0702-01-0005	120	120	18,1	45	16	10	9,5	8



TIPO 2  
TYPE 2

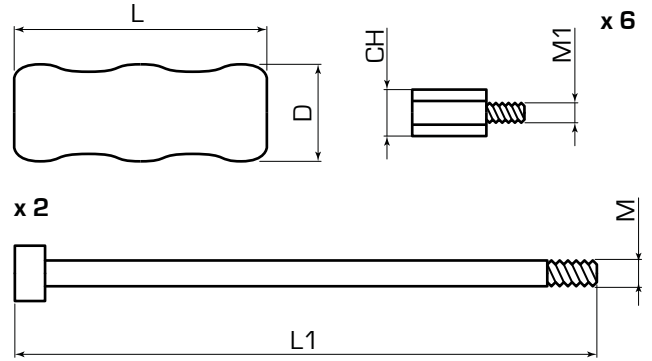


Tipo 2

Type 2

Codice Code	A	B	H	A1	B1	D	H1	D1	SM
R0702-01-0006	60	60	13,1	30	-	16	9	9,5	14
R0702-01-0007	80	40	13,1	20	-	16	9	9,5	14
R0702-01-0008	80	60	13,1	15	-	16	9	9,5	14
R0702-01-0009	80	80	13,1	20	-	16	9	9,5	14
R0702-01-0010	100	60	13,1	30	-	16	9	9,5	14
R0702-01-0011	100	80	13,1	30	-	16	9	9,5	14
R0702-01-0012	100	100	13,1	30	30	16	9	9,5	14
R0702-01-0013	120	80	13,1	40	-	16	9	9,5	14
R0702-01-0014	140	100	13,1	50	30	16	9	9,5	14

**R0706** Estrattore per spine cilindriche  
Slide hammer kit



**Descrizione:**

Vite di battuta M12 con sei adattatori inclusi: M3, M4, M5, M6, M8, M10.  
Compreso di due viti M12 con lunghezza 160 e 300.

**Description:**

Includes six adapters: M3, M4, M5, M6, M8 and M10.  
Sliding rods in two different lengths 160 and 300

Codice Code	D	L	L1	M	M1	CH	Peso Weight gr.
R0706-01-0001	48	120	160 - 300	M12	M3 - M4 - M5 - M6 - M8 - M10	17	900



# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

**ELEMENTI DI GUIDA - PLASTICA**  
**GUIDING ITEMS FOR INJECTION MOULDS**




























**Ranco**


























# INDICE INDEX

ELEMENTI GUIDA EUROPA GUIDINGS EUROPEAN STANDARD			
R0216		Colonna guida due diametri spallata con forzatura - R00 Two fitting diameters guide pillar with centring collar, tight fit - R00	5
R0212		Colonna guida due diametri con forzatura - R03 Two fitting diameters guide pillar, tight fit - R03	9
R0214		Bussola guida con collare spallata con forzatura - R10 Guide bush with centring collar, tight fit - R10	13
R0215		Bussola guida con collare con forzatura - R11 Headed guide bush, tight fit - R11	14
R0213		Bussola centraggio - R20 Centering bush - R20	15
R0302		Bussola guida con collare in bronzo/grafite - R2087.70 Guide bush with collar, bronze/graphite - R2087.70	16
R0301		Bussola guida con collare in bronzo/grafite - R2087.72 Guide bush with collar, bronze/graphite - R2087.72	17
R0485		Bussola guida con collare in bronzo/grafite Guide bush with collar, bronze/graphite	18
R0303		Bussola guida con collare spallata in bronzo/grafite - R2087.71 Guide bush with centring collar, bronze/graphite - R2087.71	19
R0300		Bussola guida senza collare in bronzo/grafite - R2052.70 Guide bush without collar, bronze/graphite - R2052.70	20
R0571		Colonna distanziale filettata - R02 Ejector rod - R02	22
R0217		Colonna guida senza canalini - R01 Guide pillar without oil grooves - R01	23
R0218		Colonna guida due diametri con forzatura - R011 Two fitting diameters guide pillar, tight fit - R011	24
R0537		Colonna guida con forzatura Guide pillar, tight fit	25
R0529		Colonna guida senza canalini con forzatura Guide pillar without oil grooves, tight fit	26
R0210		Colonna inclinata con testa con forzatura Inclined pin with collar, tight fit	27
R0211		Colonna inclinata senza testa Inclined pin without collar	28
R0304		Bussola guida con collare spallata in bronzo/grafite - R2087.73 Guide bush with centring collar, bronze/graphite - R2087.73	29
R0548		Bussola guida con collare spallata in bronzo Bronze guide bush with centring collar	30
R0580		Bussola guida con collare spallata Guide bush with centring collar	31
ELEMENTI GUIDA SU SFERE BALL BEARING GUIDING ITEMS			
R0690		Gruppo guida (bussola - gabbia a sfere) con collare spallata - R12M Guiding unit (bush - ball cage) with centring collar - R12M	32
R0691		Bussola guida con collare spallata per gabbia a sfere - R12MB3 Guide bush with centring collar, for ball cage - R12MB3	32
R0692		Colonna guida senza canalini per scorrimento sfere con forzatura - R012M Guide pillar without oil grooves with collar, for ball bearing sliding - R012M	33
R0693		Colonna guida senza testa senza canalini per scorrimento sfere - R013M Guide pillar without oil grooves without collar, for ball bearing sliding - R013M	34
R0205		Gruppo guida (bussola - gabbia a sfere) con collare spallata - R12H Guiding unit (bush - ball cage) with centring collar - R12H	35

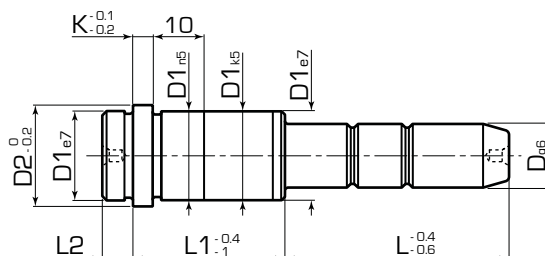


# INDICE INDEX

R0206		Bussola guida con collare spallata per gabbia a sfere - R12HB3 Guide bush with centring collar, for ball bearing sliding - R12HB3	35
R0208		Colonna guida senza canalini per scorrimento sfere - R012H Guide pillar with collar without oil grooves, for ball bearing sliding - R012H	36
R0209		Colonna guida senza testa senza canalini per scorrimento sfere - R013H Guide pillar without collar without oil grooves, for ball bearing sliding - R013H	37
R0273		Gabbia a sfera - GS Ball cage - GS	38
R0574		Bussola guida con collare spallata a ricircolo sfere - BRSSM Recirculating ball guide bush with centring collar - BRSSM	39
R0220		Bussola guida con collare a ricircolo sfere - BRSC Recirculating ball guide bush with collar - BRSC	40
R0221		Bussola guida senza collare a ricircolo sfere - BRSL Recirculating ball guide bush without collar - BRSL	41
R0222		Bussola guida con collare spallata a ricircolo sfere - BRSS Shouldered recirculating ball guide bush with centering collar - BRSS	42
R0528		Colonna guida senza canalini per scorrimento sfere - R012 Guide pillar without oil grooves, for ball bearing sliding - R012	43
<b>ELEMENTI GUIDA ITALIA GUIDINGS ITALIAN STANDARD</b>			
R0196		Colonna guida due diametri con forzatura - C1 Two fitting diameters guide pillar, tight fit - C1	44
R0197		Colonna guida due diametri spallata con forzatura - C1S Two fitting diameters guide pillar with centring collar, tight fit - C1S	48
R0201		Colonna guida con forzatura - C2 Guide pillar, tight fit - C2	49
R0198		Bussola guida con collare con forzatura - B1 Headed guide bush, tight fit - B1	51
R0199		Bussola guida in bronzo con collare con forzatura - B1B Bronze headed guide bush, tight fit - B1B	52
R0530		Bussola guida con collare in bronzo/grafite - B1BG Guide bush with collar, bronze/graphite - B1BG	53
R0200		Bussola guida con collare spallata con forzatura - B1S Guide bush with centring collar, tight fit - B1S	54
R0202		Bussola guida senza collare - B2 Guide bush without centring collar - B2	55
R0203		Bussola guida con collare spallata - B3 Guide bush with centring collar - B3	56
R0204		Bussola guida con collare spallata in bronzo - B3B Bronze guide bush with centring collar - B3B	57
R0531		Bussola guida con collare spallata in bronzo/grafite - B3BG Guide bush with centring collar, bronze/graphite - B3BG	58
<b>ACCESSORI ACCESSORIES</b>			
R0219		Barra temprata e rettificata - BRT Grinded and hardened bar - BRT	59

## R0216

Colonna guida due diametri spallata con forzatura - R00  
Two fitting diameters guide pillar with centring collar, tight fit - R00



### Descrizione:

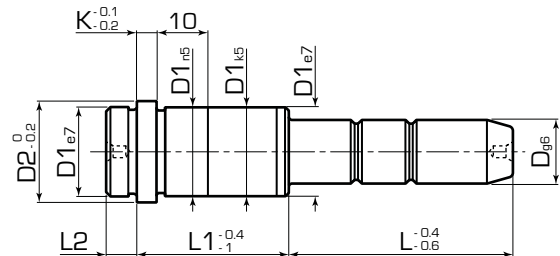
Esempio di ordinativo: R0216-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0216-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L2	L1	L																		
							25	35	55	75	95	115	135	155	195	215	235	245	275						
R0216-03	14	20	25	6	9	17		0001	0002	0003	0004														
R0216-03	14	20	25	6	9	22	0005	0006	0007	0008	0009	0010	0011												
R0216-03	14	20	25	6	9	27	0012	0013	0014	0015	0016	0017	0018	0019											
R0216-03	14	20	25	6	9	36	0020	0021	0022	0023	0024	0025	0026	0027											
R0216-03	14	20	25	6	9	46		0028	0029	0030	0031	0032	0033												
R0216-03	14	20	25	6	9	56		0034	0035	0036	0037	0038	0039												
R0216-03	14	20	25	6	9	66		0040	0041	0042	0043	0044													
R0216-03	14	20	25	6	9	76			0045	0046	0047														
R0216-03	14	20	25	6	9	86			0048	0049	0050														
R0216-03	14	20	25	6	9	96			0051	0052	0053														
R0216-03	15	20	25	6	9	17		0054	0055	0056	0057														
R0216-03	15	20	25	6	9	22	0058	0059	0060	0061	0062	0063	0064												
R0216-03	15	20	25	6	9	27	0065	0066	0067	0068	0069	0070	0071	0072											
R0216-03	15	20	25	6	9	36	0073	0074	0075	0076	0077	0078	0079	0080											
R0216-03	15	20	25	6	9	46		0081	0082	0083	0084	0085	0086												
R0216-03	15	20	25	6	9	56		0087	0088	0089	0090	0091	0092												
R0216-03	15	20	25	6	9	66		0093	0094	0095	0096	0097													
R0216-03	15	20	25	6	9	76			0098	0099	0100														
R0216-03	15	20	25	6	9	86			0101	0102	0103														
R0216-03	15	20	25	6	9	96			0104	0105	0106														
R0216-03	18	26	31	6	9	17		0107	0108	0109	0110	0111													
R0216-03	18	26	31	6	9	22		0112	0113	0114	0115	0116	0117												
R0216-03	18	26	31	6	9	27		0118	0119	0120	0121	0122	0123	0124	0125			0126							
R0216-03	18	26	31	6	9	36		0127	0128	0129	0130	0131	0132	0133	0134			0135							
R0216-03	18	26	31	6	9	46		0136	0137	0138	0139	0140	0141	0142	0143			0144							
R0216-03	18	26	31	6	9	56		0145	0146	0147	0148	0149	0150	0151	0152										
R0216-03	18	26	31	6	9	66		0153	0154	0155	0156	0157	0158	0159	0160										
R0216-03	18	26	31	6	9	76			0161	0162	0163	0164	0165	0166	0167										
R0216-03	18	26	31	6	9	86			0168	0169	0170	0171	0172	0173	0174										
R0216-03	18	26	31	6	9	96			0675	0676	0677	0681	0682	0683	0684										

## R0216 Colonna guida due diametri spallata con forzatura - R00 Two fitting diameters guide pillar with centring collar, tight fit - R00



### Descrizione:

Esempio di ordinativo: **R0216-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

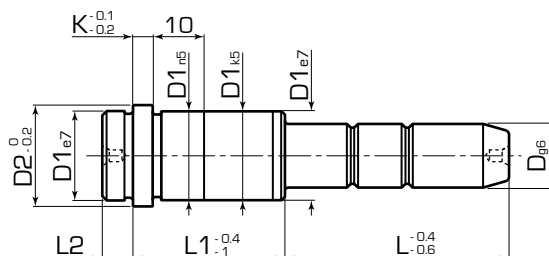
### Description:

Example of purchasing order: **R0216-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	L2	L1	L														
							25	35	55	75	95	115	135	155	195	215	235	245	275		
R0216-03	18	26	31	6	9	116				0175	0176	0177									
R0216-03	18	26	31	6	9	136				0178	0179	0180									
R0216-03	20	26	31	6	9	17		0181	0182	0183	0184	0185									
R0216-03	20	26	31	6	9	22		0186	0187	0188	0189	0190	0191								
R0216-03	20	26	31	6	9	27		0192	0193	0194	0195	0196	0197	0198	0199		0200				
R0216-03	20	26	31	6	9	36		0201	0202	0203	0204	0205	0206	0207	0208		0209				
R0216-03	20	26	31	6	9	46		0210	0211	0212	0213	0214	0215	0216	0217		0218				
R0216-03	20	26	31	6	9	56		0219	0220	0221	0222	0223	0224	0225	0226						
R0216-03	20	26	31	6	9	66		0227	0228	0229	0230	0231	0232	0233	0234						
R0216-03	20	26	31	6	9	76			0235	0236	0237	0238	0239	0240	0241						
R0216-03	20	26	31	6	9	86			0242	0243	0244	0245	0246	0247	0248						
R0216-03	20	26	31	6	9	96			0678	0679	0680	0685	0686	0687	0688						
R0216-03	20	26	31	6	9	116			0249	0250	0251										
R0216-03	20	26	31	6	9	136			0252	0253	0254										
R0216-03	22	30	35	6	9	22		0255	0256	0257	0258	0259	0260								
R0216-03	22	30	35	6	9	27		0261	0262	0263	0264	0265		0266	0267		0268			0269	
R0216-03	22	30	35	6	9	36		0270	0271	0272	0273	0274		0275	0276		0277			0278	
R0216-03	22	30	35	6	9	46		0279	0280	0281	0282	0283		0284	0285		0286				
R0216-03	22	30	35	6	9	56		0287	0288	0289	0290	0291		0292	0293						
R0216-03	22	30	35	6	9	66		0689	0294	0295	0296	0297		0298	0299						
R0216-03	22	30	35	6	9	76			0300	0301	0302	0303	0304	0305	0306						
R0216-03	22	30	35	6	9	86			0307	0308	0309	0310	0311	0312	0313		0314				
R0216-03	22	30	35	6	9	96			0690	0315	0316	0317	0318	0319	0320		0321				
R0216-03	22	30	35	6	9	116				0322	0323	0324	0325	0326	0327		0328				
R0216-03	22	30	35	6	9	136				0329	0330		0331								
R0216-03	22	30	35	6	9	156					0332		0333								
R0216-03	24	30	35	6	9	22		0334	0335	0336	0337	0338	0339								
R0216-03	24	30	35	6	9	27		0340	0341	0342	0343	0344		0345	0346		0347			0348	
R0216-03	24	30	35	6	9	36		0349	0350	0351	0352	0353		0354	0355		0356			0357	
R0216-03	24	30	35	6	9	46		0358	0359	0360	0361	0362		0363	0364		0365				

## R0216

Colonna guida due diametri spallata con forzatura - R00  
Two fitting diameters guide pillar with centring collar, tight fit - R00



### Descrizione:

Esempio di ordinativo: R0216-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

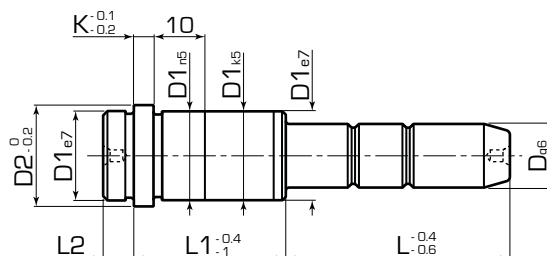
### Description:

Example of purchasing order: R0216-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L2	L1	L																
							25	35	55	75	95	115	135	155	195	215	235	245	275				
R0216-03	24	30	35	6	9	56		0366	0367	0368	0369	0370		0371	0372								
R0216-03	24	30	35	6	9	66		0691	0373	0374	0375	0376		0377	0378								
R0216-03	24	30	35	6	9	76			0379	0380	0381	0382	0383	0384	0385								
R0216-03	24	30	35	6	9	86			0386	0387	0388	0389	0390	0391	0392		0393						
R0216-03	24	30	35	6	9	96			0692	0394	0395	0396	0397	0398	0399		0400						
R0216-03	24	30	35	6	9	116				0401	0402	0403	0404	0405	0406		0407						
R0216-03	24	30	35	6	9	136				0408	0409		0410										
R0216-03	24	30	35	6	9	156					0411		0412										
R0216-03	30	42	47	6	9	27			0413	0414	0415	0416		0417	0418		0419		0420				
R0216-03	30	42	47	6	9	36			0421	0422	0423	0424		0425	0426		0427		0428				
R0216-03	30	42	47	6	9	46			0429	0430	0431	0432		0433	0434		0435		0436				
R0216-03	30	42	47	6	9	56			0437	0438	0439	0440		0441	0442		0443		0444				
R0216-03	30	42	47	6	9	66			0445	0446	0447	0448		0449	0450		0451		0452				
R0216-03	30	42	47	6	9	76			0453	0454	0455	0456		0457	0458		0459						
R0216-03	30	42	47	6	9	86			0460	0461	0462	0463		0464	0465		0466						
R0216-03	30	42	47	6	9	96			0693	0467	0468	0469		0470	0471								
R0216-03	30	42	47	6	9	116				0472	0473	0474		0475	0476								
R0216-03	30	42	47	6	9	136				0477	0478		0479	0480									
R0216-03	30	42	47	6	9	156				0481	0482		0483										
R0216-03	30	42	47	6	9	176					0484		0485	0486									
R0216-03	30	42	47	6	9	196					0487		0488	0489									
R0216-03	32	42	47	6	9	27			0490	0491	0492	0493		0494	0495		0496		0497				
R0216-03	32	42	47	6	9	36			0498	0499	0500	0501		0502	0503		0504		0505				
R0216-03	32	42	47	6	9	46			0506	0507	0508	0509		0510	0511		0512		0513				
R0216-03	32	42	47	6	9	56			0514	0515	0516	0517		0518	0519		0520		0521				
R0216-03	32	42	47	6	9	66			0522	0523	0524	0525		0526	0527		0528		0529				
R0216-03	32	42	47	6	9	76			0530	0531	0532	0533		0534	0535		0536						
R0216-03	32	42	47	6	9	86			0537	0538	0539	0540		0541	0542		0543						
R0216-03	32	42	47	6	9	96			0694	0544	0545	0546		0547	0548								
R0216-03	32	42	47	6	9	116				0549	0550	0551		0552	0553								

## R0216

Colonna guida due diametri spallata con forzatura - R00  
Two fitting diameters guide pillar with centring collar, tight fit - R00



### Descrizione:

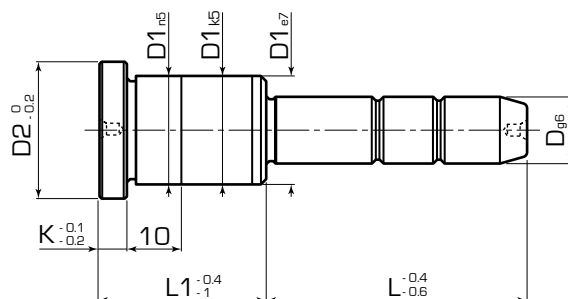
Esempio di ordinativo: **R0216-03-0001**  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: **R0216-03-0001**  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L2	L1	L													
							25	35	55	75	95	115	135	155	195	215	235	245	275	
R0216-03	32	42	47	6	9	136					0554	0555		0556	0557					
R0216-03	32	42	47	6	9	156					0558	0559		0560						
R0216-03	32	42	47	6	9	176						0561	0562	0563						
R0216-03	32	42	47	6	9	196						0564	0565	0566						
R0216-03	40	54	59	10	12	36			0567	0568	0569		0570							
R0216-03	40	54	59	10	12	46			0571	0572	0573		0574							
R0216-03	40	54	59	10	12	56			0575	0576	0577		0578	0579						
R0216-03	40	54	59	10	12	66			0580	0581	0582		0583							
R0216-03	40	54	59	10	12	76			0584	0585	0586		0587							
R0216-03	40	54	59	10	12	86			0588	0589	0590		0591							
R0216-03	40	54	59	10	12	96			0592	0593	0594		0595	0596						
R0216-03	40	54	59	10	12	116			0597	0598	0599		0600	0601						
R0216-03	40	54	59	10	12	136				0602	0603		0604	0605						
R0216-03	40	54	59	10	12	156					0606		0607	0608						
R0216-03	40	54	59	10	12	176					0609		0610	0611		0612				
R0216-03	40	54	59	10	12	196					0613		0614	0615		0616				
R0216-03	40	54	59	10	12	216								0617	0618					
R0216-03	40	54	59	10	12	246									0619		0620			
R0216-03	42	54	59	10	12	36			0621	0622	0623		0624							
R0216-03	42	54	59	10	12	46			0625	0626	0627		0628							
R0216-03	42	54	59	10	12	56			0629	0630	0631		0632	0633						
R0216-03	42	54	59	10	12	66			0634	0635	0636		0637							
R0216-03	42	54	59	10	12	76			0638	0639	0640		0641							
R0216-03	42	54	59	10	12	86			0642	0643	0644		0645							
R0216-03	42	54	59	10	12	96			0646	0647	0648		0649	0650						
R0216-03	42	54	59	10	12	116			0651	0652	0653		0654	0655						
R0216-03	42	54	59	10	12	136				0656	0657		0658	0659						
R0216-03	42	54	59	10	12	156					0660		0661	0662						
R0216-03	42	54	59	10	12	176					0663		0664	0665		0666				
R0216-03	42	54	59	10	12	196					0667		0668	0669		0670				
R0216-03	42	54	59	10	12	216								0671	0672					
R0216-03	42	54	59	10	12	246									0673		0674			

## R0212 Colonna guida due diametri con forzatura - R03 Two fitting diameters guide pillar, tight fit - R03



### Descrizione:

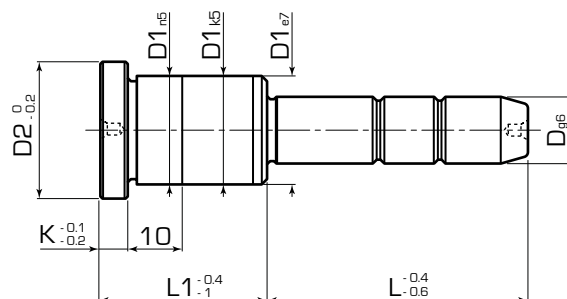
Esempio di ordinativo: R0212-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0212-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L										
						35	55	75	95	115	135	155	175	195	215	235
R0212-03	14	20	25	6	17	0001	0002	0003	0004							
R0212-03	14	20	25	6	22	0005	0006	0007	0008							
R0212-03	14	20	25	6	27	0009	0010	0011	0012	0013	0014					
R0212-03	14	20	25	6	36	0015	0016	0017	0018	0019	0020					
R0212-03	14	20	25	6	46	0021	0022	0023	0024	0025	0026					
R0212-03	14	20	25	6	56		0027	0028	0029							
R0212-03	14	20	25	6	66		0030	0031	0032							
R0212-03	14	20	25	6	76		0033	0034	0035							
R0212-03	14	20	25	6	86		0036	0037	0038							
R0212-03	14	20	25	6	96		0039	0040	0041							
R0212-03	15	20	25	6	17	0042	0043	0044	0045							
R0212-03	15	20	25	6	22	0046	0047	0048	0049							
R0212-03	15	20	25	6	27	0050	0051	0052	0053	0054	0055					
R0212-03	15	20	25	6	36	0056	0057	0058	0059	0060	0061					
R0212-03	15	20	25	6	46	0062	0063	0064	0065	0066	0067					
R0212-03	15	20	25	6	56		0068	0069	0070							
R0212-03	15	20	25	6	66		0071	0072	0073							
R0212-03	15	20	25	6	76		0074	0075	0076							
R0212-03	15	20	25	6	86		0077	0078	0079							
R0212-03	15	20	25	6	96		0080	0081	0082							
R0212-03	18	26	31	6	17	0083	0084	0085	0086							
R0212-03	18	26	31	6	22	0087	0088	0089	0090							
R0212-03	18	26	31	6	27	0091	0092	0093	0094	0095		0096		0097		0098
R0212-03	18	26	31	6	36	0099	0100	0101	0102	0103		0104		0105		0106
R0212-03	18	26	31	6	46	0107	0108	0109	0110	0111		0112		0113		
R0212-03	18	26	31	6	56		0114	0115	0116	0117	0188					
R0212-03	18	26	31	6	66		0654	0655	0656	0657	0658	0659				
R0212-03	18	26	31	6	76		0120	0121	0122	0123	0124	0125		0662		
R0212-03	18	26	31	6	86		0126	0127	0128	0129	0130	0131		0132		
R0212-03	18	26	31	6	96		0134	0135	0136	0137						
R0212-03	18	26	31	6	116			0138	0139	0140						
R0212-03	20	26	31	6	17	0141	0142	0143	0144							
R0212-03	20	26	31	6	22	0145	0146	0147	0148							
R0212-03	20	26	31	6	27	0149	0150	0151	0152	0153		0154		0155		0156
R0212-03	20	26	31	6	36	0157	0158	0159	0160	0161		0162		0163		0164

## R0212 Colonna guida due diametri con forzatura - R03 Two fitting diameters guide pillar, tight fit - R03



**Descrizione:**

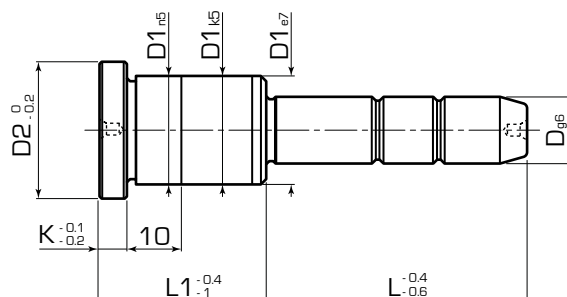
Esempio di ordinativo: **R0212-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

**Description:**

Example of purchasing order: **R0212-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L											
						35	55	75	95	115	135	155	175	195	215	235	245
R0212-03	20	26	31	6	46	0165	0166	0167	0168	0169		0170		0171			
R0212-03	20	26	31	6	56		0172	0173	0174	0175	0176						
R0212-03	20	26	31	6	66		0647	0648	0649	0650	0651	0652					
R0212-03	20	26	31	6	76		0177	0178	0179	0180	0181	0182		0653			
R0212-03	20	26	31	6	86		0183	0184	0185	0186	0187	0188		0189			
R0212-03	20	26	31	6	96		0190	0191	0192	0193							
R0212-03	20	26	31	6	116				0194	0195	0196						
R0212-03	22	30	35	6	22	0197	0198	0199	0200	0201							
R0212-03	22	30	35	6	27	0202	0203	0204	0205	0206		0207		0208			
R0212-03	22	30	35	6	36	0209	0210	0211	0212	0213		0214		0215		0216	
R0212-03	22	30	35	6	46	0217	0218	0219	0220	0221		0222		0223		0224	
R0212-03	22	30	35	6	56		0225	0226	0227	0228		0229		0230			
R0212-03	22	30	35	6	66		0231	0232	0233	0234							
R0212-03	22	30	35	6	76		0235	0236	0237	0238	0239						
R0212-03	22	30	35	6	86		0660	0240	0241	0242	0243	0244		0245			
R0212-03	22	30	35	6	96		0663	0246	0247	0248	0249	0250		0251			
R0212-03	22	30	35	6	116			0252	0253	0254	0255	0256		0257			
R0212-03	22	30	35	6	136				0258	0259		0260					
R0212-03	22	30	35	6	156					0261		0262					
R0212-03	24	30	35	6	22	0263	0264	0265	0266	0267							
R0212-03	24	30	35	6	27	0268	0269	0270	0271	0272		0273		0274			
R0212-03	24	30	35	6	36	0275	0276	0277	0278	0279		0280		0281		0282	
R0212-03	24	30	35	6	46	0283	0284	0285	0286	0287		0288		0289		0290	
R0212-03	24	30	35	6	56		0291	0292	0293	0294		0295		0296			
R0212-03	24	30	35	6	66		0297	0298	0299	0300							
R0212-03	24	30	35	6	76		0301	0302	0303	0304	0305						
R0212-03	24	30	35	6	86		0661	0306	0307	0308	0309	0310		0311			
R0212-03	24	30	35	6	96		0664	0312	0313	0314	0315	0316		0317			
R0212-03	24	30	35	6	116			0318	0319	0320	0321	0322		0323			
R0212-03	24	30	35	6	136				0324	0325		0326					
R0212-03	24	30	35	6	156					0327		0328					
R0212-03	30	42	47	6	27		0329	0330	0331	0332		0333		0334		0335	
R0212-03	30	42	47	6	36		0336	0337	0338	0339		0340		0341			
R0212-03	30	42	47	6	46		0342	0343	0344	0345		0346		0347		0348	
R0212-03	30	42	47	6	56		0349	0350	0351	0352		0353		0354			

## R0212 Colonna guida due diametri con forzatura - R03 Two fitting diameters guide pillar, tight fit - R03



### Descrizione:

Esempio di ordinativo: R0212-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

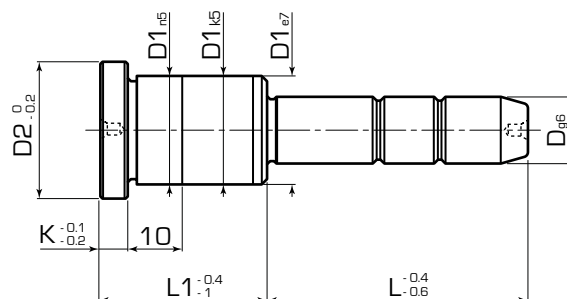
### Description:

Example of purchasing order: R0212-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L											
						35	55	75	95	115	135	155	175	195	215	235	245
R0212-03	30	42	47	6	66		0355	0356	0357	0358		0359		0360			
R0212-03	30	42	47	6	76		0361	0362	0363	0364		0365		0366			
R0212-03	30	42	47	6	86			0367	0368	0369		0370		0371			
R0212-03	30	42	47	6	96		0665	0372	0373	0374		0375		0376			
R0212-03	30	42	47	6	116			0377	0378	0379		0380					
R0212-03	30	42	47	6	136				0381	0382		0383					
R0212-03	30	42	47	6	156					0384		0385					
R0212-03	30	42	47	6	196					0386		0387		0388			
R0212-03	32	42	47	6	27		0389	0390	0391	0392		0393		0394		0395	
R0212-03	32	42	47	6	36		0396	0397	0398	0399		0400		0401			
R0212-03	32	42	47	6	46		0402	0403	0404	0405		0406		0407		0408	
R0212-03	32	42	47	6	56		0409	0410	0411	0412		0413		0414			
R0212-03	32	42	47	6	66		0415	0416	0417	0418		0419		0420			
R0212-03	32	42	47	6	76		0421	0422	0423	0424		0425		0426			
R0212-03	32	42	47	6	86			0427	0428	0429		0430		0431			
R0212-03	32	42	47	6	96		0666	0432	0433	0434		0435		0436			
R0212-03	32	42	47	6	116			0437	0438	0439		0440					
R0212-03	32	42	47	6	136				0441	0442		0443					
R0212-03	32	42	47	6	156					0444		0445					
R0212-03	32	42	47	6	196					0446		0447		0448			
R0212-03	40	54	59	10	36			0449	0450	0451		0452					
R0212-03	40	54	59	10	46			0453	0454	0455		0456					
R0212-03	40	54	59	10	56			0457	0458	0459		0460					
R0212-03	40	54	59	10	66			0461	0462	0463		0464					
R0212-03	40	54	59	10	76			0465	0466	0467		0468					
R0212-03	40	54	59	10	86			0469	0470	0471		0472					
R0212-03	40	54	59	10	96			0473	0474	0475		0476					
R0212-03	40	54	59	10	116			0477	0478	0479		0480					
R0212-03	40	54	59	10	136				0481	0482		0483		0484			
R0212-03	40	54	59	10	156					0485		0486		0487			
R0212-03	40	54	59	10	176					0488		0489		0490			
R0212-03	40	54	59	10	196					0491		0492		0493			
R0212-03	40	54	59	10	216									0494	0495		
R0212-03	40	54	59	10	246										0496		0497
R0212-03	42	54	59	10	36			0498	0499	0500		0501					



## R0212 Colonna guida due diametri con forzatura - R03 Two fitting diameters guide pillar, tight fit - R03



### Descrizione:

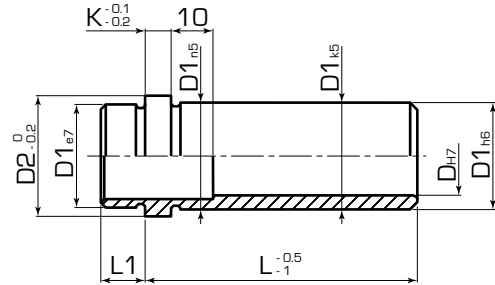
Esempio di ordinativo: **R0212-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: **R0212-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L											
						35	55	75	95	115	135	155	175	195	215	235	245
R0212-03	42	54	59	10	46			0502	0503	0504		0505					
R0212-03	42	54	59	10	56			0506	0507	0508		0509					
R0212-03	42	54	59	10	66			0510	0511	0512		0513					
R0212-03	42	54	59	10	76			0514	0515	0516		0517					
R0212-03	42	54	59	10	86			0518	0519	0520		0521					
R0212-03	42	54	59	10	96			0522	0523	0524		0525					
R0212-03	42	54	59	10	116			0526	0527	0528		0529					
R0212-03	42	54	59	10	136				0530	0531		0532		0533			
R0212-03	42	54	59	10	156					0534		0535		0536			
R0212-03	42	54	59	10	176					0537		0538		0539			
R0212-03	42	54	59	10	196					0540		0541		0542			
R0212-03	42	54	59	10	216									0543	0544		
R0212-03	42	54	59	10	246										0545		0546
R0212-03	50	66	71	10	76			0547	0548	0549	0550	0551	0552	0553			
R0212-03	50	66	71	10	96				0554	0555	0556	0557	0558	0559	0560		
R0212-03	50	66	71	10	116					0561	0562	0563	0564	0565	0566		
R0212-03	50	66	71	10	136					0567	0568	0569	0570	0571	0572		
R0212-03	50	66	71	10	156						0573	0574	0575	0576	0577		
R0212-03	50	66	71	10	176							0578	0579	0580	0581		0613
R0212-03	50	66	71	10	196							0619	0620	0621	0622		0623
R0212-03	50	66	71	10	216							0629	0630	0631	0632		0633
R0212-03	50	66	71	10	246								0639	0640	0641		0642
R0212-03	52	66	71	10	76			0582	0583	0584	0585	0586	0587	0588			
R0212-03	52	66	71	10	96				0589	0590	0591	0592	0593	0594	0595		
R0212-03	52	66	71	10	116					0596	0597	0598	0599	0600	0601		
R0212-03	52	66	71	10	136					0602	0603	0604	0605	0606	0607		
R0212-03	52	66	71	10	156						0608	0609	0610	0611	0612		
R0212-03	52	66	71	10	176							0614	0615	0616	0617		0618
R0212-03	52	66	71	10	196							0624	0625	0626	0627		0628
R0212-03	52	66	71	10	216							0634	0635	0636	0637		0638
R0212-03	52	66	71	10	246								0643	0644	0645		0646

## R0214 Bussola guida con collare spallata con forzatura - R10 Guide bush with centring collar, tight fit - R10



### Descrizione:

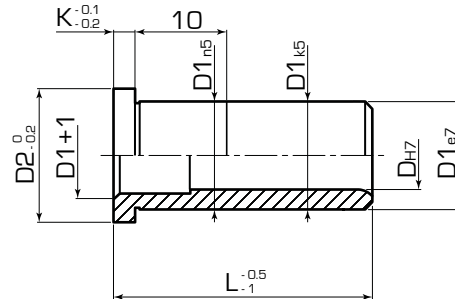
Esempio di ordinativo: R0214-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0214-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	K	L1	L													
						17	22	27	36	46	56	66	76	86	96	116	136	156	196
R0214-03	14	20	25	6	9	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010				
R0214-03	15	20	25	6	9	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020				
R0214-03	18	26	31	6	9	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031			
R0214-03	20	26	31	6	9	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042			
R0214-03	22	30	35	6	9		0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053		
R0214-03	24	30	35	6	9		0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064		
R0214-03	30	42	47	6	9			0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	
R0214-03	32	42	47	6	9			0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	
R0214-03	40	54	59	10	12				0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097
R0214-03	42	54	59	10	12				0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108

## R0215 Bussola guida con collare con forzatura - R11 Headed guide bush, tight fit - R11



### Descrizione:

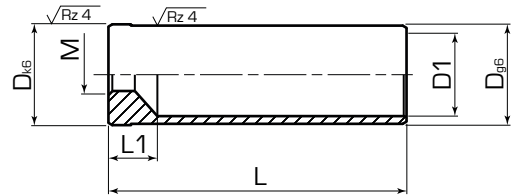
Esempio di ordinativo: R0215-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0215-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	K	L																
					17	22	27	36	46	56	66	76	86	96	116	136	156	196	246		
R0215-03	14	20	25	6	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010							
R0215-03	15	20	25	6	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020							
R0215-03	16	22	26	6	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030							
R0215-03	18	26	31	6	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041						
R0215-03	20	26	31	6	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052						
R0215-03	22	30	35	6		0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063					
R0215-03	24	30	35	6		0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074					
R0215-03	30	42	47	6			0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085				
R0215-03	32	42	47	6			0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096				
R0215-03	40	54	59	10				0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107			
R0215-03	42	54	59	10				0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118			
R0215-03	50	66	71	10								0119	0121	0122	0123	0124			0125		
R0215-03	52	66	71	10								0126		0128	0129	0130	0131		0132		

## R0213 Bussola centraggio - R20 Centering bush - R20



### Descrizione:

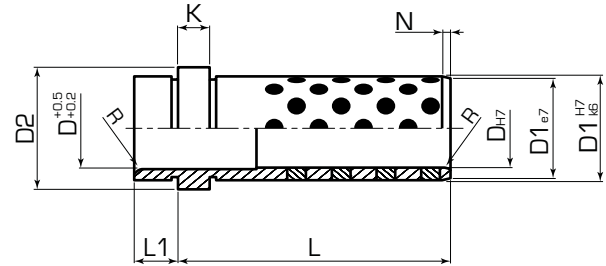
Esempio di ordinativo: R0213-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0213-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	M	L1	L																			
					20	30	40	50	60	70	80	100	120	140	160	180	200	220	240	260	280	300	320	
R0213-03	14	11	8	8	0001	0002	0003	0004	0005	0006	0007	0008												
R0213-03	20	16	12	12		0009	0010	0011	0012	0013	0014	0015	0016	0017	0018									
R0213-03	26	21	12	12		0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029								
R0213-03	30	25	12	12			0030	0031	0032		0033	0034	0035	0036	0037	0038	0039	0040	0041					
R0213-03	42	33	12	12			0042		0043		0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055		
R0213-03	54	43	12	12					0056		0057	0058	0059	0060	0061		0062		0063		0064		0065	
R0213-03	66	54	18	20							0066	0067	0068	0069	0070	0071	0072		0073		0074		0075	
R0213-03	80	64	18	20								0076	0077	0078	0079		0080		0081		0082		0083	

## R0302 Bussola guida con collare in bronzo/grafite - R2087.70 Guide bush with collar, bronze/graphite - R2087.70



### Descrizione:

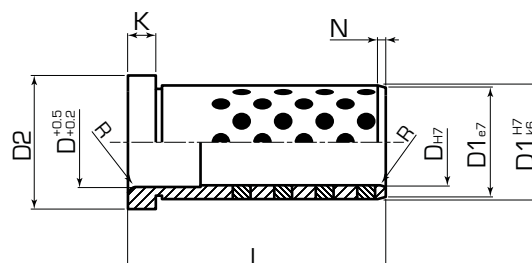
Esempio di ordinativo: R0302-07-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0302-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	K	N	R	L1	L																
								12	17	22	27	36	46	56	66	76	86	96	116	136	156	196		
R0302-07	9	14	16	3	1.5	0.5	3	0001	0002	0003	0004	0005	0006	0007	0008									
R0302-07	10	14	16	3	1.5	0.5	3	0009	0010	0011	0012	0013	0014	0015	0016									
R0302-07	14	20	25	6	2	1	6		0017	0018	0019	0020	0021	0022	0023	0024	0025							
R0302-07	15	20	25	6	2	1	6		0026	0027	0028	0029	0030	0031	0032	0033	0034							
R0302-07	18	26	31	6	2	2	8		0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045					
R0302-07	20	26	31	6	2	2	8		0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056					
R0302-07	22	30	35	6	3	3	8		0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069			
R0302-07	24	30	35	6	3	3	8		0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082			
R0302-07	30	42	47	6	4	3	8				0083	0084	0085	0086	0087	0088	0089	0090	0091	0092				
R0302-07	32	42	47	6	4	3	8				0093	0094	0095	0096	0097	0098	0099	0100	0101	0102				
R0302-07	40	54	60	10	5	3	12						0103	0104	0105	0106	0107	0108	0109	0110	0111	0112		
R0302-07	42	54	60	10	5	3	12						0113	0114	0115	0116	0117	0118	0119	0120	0121	0122		

## R0301 Bussola guida con collare in bronzo/grafite - R2087.72 Guide bush with collar, bronze/graphite - R2087.72



### Descrizione:

Esempio di ordinativo: R0301-07-0001  
Materiale: Bronzo, Grafite

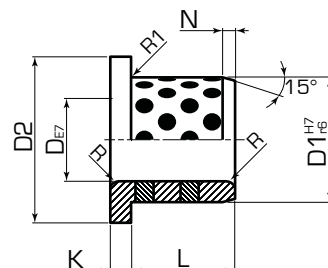
### Description:

Example of purchasing order: R0301-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	K	N	R	L																		
							12	17	22	27	36	46	56	66	76	86	96	116	136	156	196				
R0301-07	9	14	16	3	1.5	0.5	0001	0002	0003	0004	0005	0006	0007												
R0301-07	10	14	16	3	1.5	0.5	0008	0009	0010	0011	0012	0013	0014												
R0301-07	12	18	23	6	2	1		0015	0016	0017	0018	0019	0020												
R0301-07	14	20	25	6	2	1		0021	0022	0023	0024	0025	0026												
R0301-07	15	20	25	6	2	1		0027	0028	0029	0030	0031	0032												
R0301-07	16	22	27	6	2	2		0033	0034	0035	0036	0037	0038												
R0301-07	18	26	31	6	2	2		0039	0040	0041	0042	0043	0044	0045	0046										
R0301-07	20	26	31	6	2	2		0047	0048	0049	0050	0051	0052	0053	0054										
R0301-07	22	30	35	6	3	3		0055	0056	0057	0058	0059	0060	0061	0062	0063	0064								
R0301-07	24	30	35	6	3	3		0065	0066	0067	0068	0069	0070	0071	0072	0073	0074								
R0301-07	25	32	38	6	3	3						0075	0076	0077	0078	0079									
R0301-07	30	42	47	6	4	3				0080	0081	0082	0083	0084	0085	0086	0087	0088							
R0301-07	32	42	47	6	4	3			0089	0090	0091	0092	0093	0094	0095	0096	0097								
R0301-07	40	54	60	10	5	3					0098	0099	0100	0101	0102	0103	0104	0105	0106						
R0301-07	42	54	60	10	5	3					0107	0108	0109	0110	0111	0112	0113	0114	0115						
R0301-07	50	66	72	10	5	3							0116	0117	0118	0119	0120	0121	0122	0123					
R0301-07	60	80	86	20	5	3										0124	0125	0126	0127	0128					

## R0485

Bussola guida con collare in bronzo/grafite  
Guide bush with collar, bronze/graphite



### Descrizione:

Esempio di ordinativo: **R0485-07-0001**  
Materiale: Bronzo, Grafite

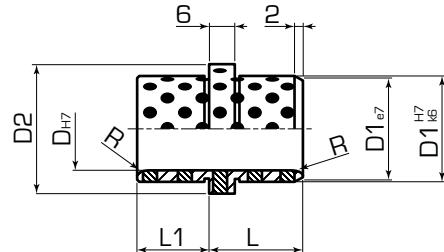
### Description:

Example of purchasing order: **R0485-07-0001**  
Material: Bronze, Graphite

Codice Code	D	D1	D2	N	R	R1	K	L																												
								10	12	13	15	17	18	20	22	25	27	30	32.5	35	42.5	45	50	52.5	55	60	70	72.5	90							
R0485-07	10	14	22	2	1	0.4	2			0001				0002																						
R0485-07	12	18	25	2	1	0.4	3		0003			0004																								
R0485-07	13	19	26	2	1	0.4	3		0005			0006																								
R0485-07	14	20	27	2	1	0.5	3		0007			0008																								
R0485-07	15	21	28	2	1	0.5	3		0009			0010			0011		0012																			
R0485-07	16	22	29	2	1	0.5	3		0013			0014			0015		0016																			
R0485-07	20	30	40	3	2	0.5	5	0017			0018			0019	0020								0021													
R0485-07	25	35	45	3	2	0.5	5	0022			0023			0024	0025								0026													
R0485-07	30	40	50	3	2	0.5	5				0027			0028	0029			0030		0031		0032														
R0485-07	31.5	40	50	3	2	0.6	5				0033							0034																		
R0485-07	35	45	60	3	2	0.6	5				0035				0036				0037		0038															
R0485-07	40	50	65	3	2	0.6	5				0039				0040				0041		0042															
R0485-07	45	55	70	3	2	0.6	5								0043				0044		0045					0046										
R0485-07	50	60	75	3	2	0.6	5								0047				0048		0049				0050											
R0485-07	55	65	80	3	2	0.7	5												0051						0052											
R0485-07	60	75	90	4	3	0.7	7.5																	0053	0054										0055	
R0485-07	63	75	85	4	3	0.7	7.5																										0056			
R0485-07	70	85	105	4	3	0.7	7.5																			0057										0058
R0485-07	75	90	110	4	3	0.7	7.5																										0059			
R0485-07	80	100	120	4	3	0.8	10																						0060					0061		0062
R0485-07	90	110	130	4	3	0.8	10																					0063						0064		
R0485-07	100	120	150	4	3	0.8	10																												0065	0066
R0485-07	120	140	170	4	3	0.8	10																												0067	0068

## R0303

Bussola guida con collare spallata in bronzo/grafite - R2087.71  
Guide bush with centring collar, bronze/graphite - R2087.71



### Descrizione:

Esempio di ordinativo: R0303-07-0001  
Materiale: Bronzo, Grafite

### Description:

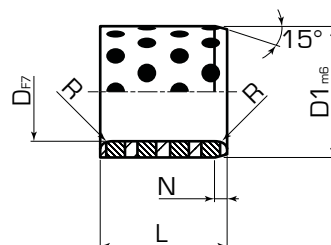
Example of purchasing order: R0303-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	L1	R	L			
						17	22	27	36
R0303-07	14	20	25	9	1	0001			
R0303-07	15	20	25	9	1	0002			
R0303-07	18	26	31	17	1.5		0003		
R0303-07	20	26	31	17	1.5		0004		
R0303-07	22	30	35	22	2			0005	
R0303-07	24	30	35	22	2			0006	
R0303-07	30	42	47	27	2				0007
R0303-07	32	42	47	27	2				0008



## R0300

Bussola guida senza collare in bronzo/grafite - R2052.70  
Guide bush without collar, bronze/graphite - R2052.70



### Descrizione:

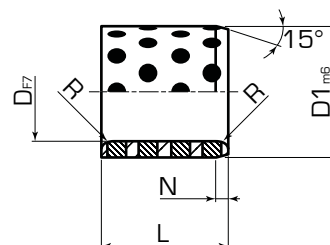
Esempio di ordinativo: R0300-07-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0300-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	N	R	L																
					8	10	12	15	16	20	25	30	35	37	40	47	50	60	70	77	80
R0300-07	8	12	2	0.5	0001	0002	0003	0004													
R0300-07	10	14	2	0.5	0005	0006	0007	0008		0009											
R0300-07	10	15	2	0.5		0010															
R0300-07	12	18	2	0.5		0011	0012	0013	0014	0015	0016	0017									
R0300-07	13	19	2	0.5		0018		0019	0020	0021											
R0300-07	14	20	2	0.5		0022	0023	0024		0025	0026	0027									
R0300-07	15	21	2	0.75		0028	0029	0030	0031	0032	0033	0034									
R0300-07	16	22	2	0.75		0035	0036	0037	0038	0039	0040	0041	0042		0043						
R0300-07	18	24	2	0.75				0044	0045	0046	0047	0048	0049		0050						
R0300-07	19	25	2	0.75										0051							
R0300-07	20	26	4	0.75											0052						
R0300-07	20	28	4	0.75				0053	0054	0055	0056	0057	0058	0059	0060		0061				
R0300-07	20	30	4	0.75					0062	0063	0064	0065	0066		0067						
R0300-07	24	32	4	0.75												0068					
R0300-07	25	32	4	0.75									0269				0069				
R0300-07	25	33	4	0.75					0070	0071	0072	0073	0074		0075	0076	0077	0078			
R0300-07	25	35	4	0.75					0079	0080	0081	0082	0083		0084		0085				
R0300-07	28	38	4	0.75								0086			0087						
R0300-07	30	38	4	0.75						0088	0089	0090	0091		0092		0093	0094			
R0300-07	30	40	4	0.75						0095	0096	0097	0098		0099		0100	0101			
R0300-07	30	42	4	0.75														0102			
R0300-07	31.5	40	4	0.75								0103			0104						
R0300-07	32	42	4	0.75								0105			0106			0107			
R0300-07	35	44	4	0.75										0108	0109	0110		0111		0112	0113
R0300-07	35	45	4	0.75						0114	0115	0116	0117		0118		0119	0120			
R0300-07	38	48	4	1.5								0121			0122						0123
R0300-07	40	50	4	1.5						0124	0125	0126	0127		0128		0129	0130	0131	0132	0133
R0300-07	40	55	4	1.5							0134	0135	0136		0137		0138	0139			
R0300-07	45	55	4	1.5								0140	0141		0142		0143	0144			
R0300-07	45	56	4	1.5								0145	0146		0147		0148	0149			
R0300-07	45	60	4	1.5								0150	0151		0152		0153	0154	0155		0156

## **R0300** Bussola guida senza collare in bronzo/grafite - R2052.70 Guide bush without collar, bronze/graphite - R2052.70



### Descrizione:

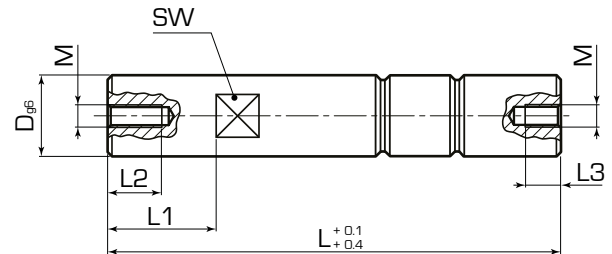
Esempio di ordinativo: R0300-07-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0300-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	N	R	L															
					30	35	37	40	47	50	60	70	77	80	95	100	120	130	140	150
R0300-07	50	60	4	1.5	0157	0158		0159		0160	0161	0162		0163	0164					
R0300-07	50	62	4	1.5	0165	0166		0167		0168	0169	0170								
R0300-07	50	65	4	1.5	0171			0172		0173	0174	0175		0176		0177				
R0300-07	55	70	4	2				0178		0179	0180	0181								
R0300-07	60	74	4	2	0182	0183		0184		0185	0186	0187		0188						
R0300-07	60	75	4	2	0189	0190		0191		0192	0193	0194		0195		0196				
R0300-07	63	75	4	2						0197	0198		0199			0200				
R0300-07	65	80	4	2					0201	0202	0203		0204							
R0300-07	70	85	4	2		0205		0206		0207	0208	0209		0210		0211				
R0300-07	70	90	4	2					0212	0213	0214		0215							
R0300-07	75	90	4	2						0216	0217		0218		0219					
R0300-07	75	95	4	2						0220	0221		0222		0223					
R0300-07	80	96	4	2				0224		0225	0226	0227		0228		0229	0230			
R0300-07	80	100	4	2				0231		0232	0233	0234		0235		0236	0237		0238	
R0300-07	85	100	4	2										0239						
R0300-07	90	110	4	2						0240	0241		0242		0243	0244				
R0300-07	100	120	4	2						0245	0246		0247		0248	0249			0250	
R0300-07	110	130	4	2										0251		0252	0253			
R0300-07	120	140	4	2										0254		0255	0256		0257	
R0300-07	125	145	4	2											0258	0259				
R0300-07	130	150	4	2											0260	0261	0262			
R0300-07	140	160	4	2											0263				0264	
R0300-07	150	170	4	2											0265					0266
R0300-07	160	180	4	2											0267					0268

## R0571 Colonna distanziale filettata - R02 Ejector rod - R02



### Descrizione:

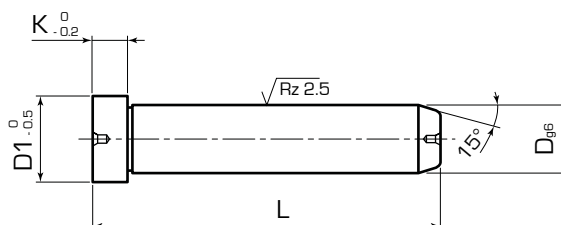
Esempio di ordinativo: R0571-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0571-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	L2	L3	M	SW	L																		
							60	70	80	100	120	140	160	180	200	220	240	260	300	340	380				
R0571-03	14	14	25	17	M8	12	0001	0002	0003	0004	0005	0006	0007	0008											
R0571-03	18	16	30	20	M10	14				0009	0010	0011	0012	0013	0014	0015	0016								
R0571-03	20	18	30	20	M12	17				0017	0018	0019	0020	0021	0022	0023	0024								
R0571-03	24	22	35	25	M12	19					0025	0026	0027	0028	0029		0030								
R0571-03	30	28	45	30	M16	24								0031		0032		0033	0034						
R0571-03	40	36	55	35	M20	36							0035	0036	0037	0038	0039	0040	0041	0042	0043				

## R0217 Colonna guida senza canalini - R01 Guide pillar without oil grooves - R01



### Descrizione:

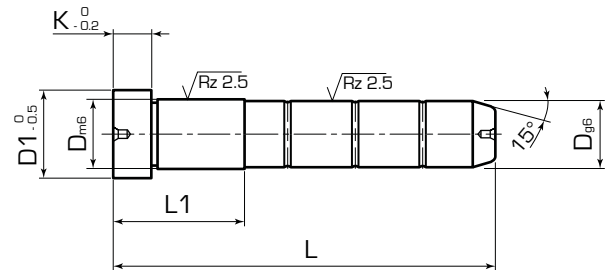
Esempio di ordinativo: R0217-03-0001  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0217-03-0001  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	K	L																					
				40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	400	420	500	
R0217-03	8	10	3	0001	0002	0003	0004	0005																	
R0217-03	9	12	3	0006		0007	0008	0009	0010																
R0217-03	10	12	3	0011		0012	0013	0014	0015	0016	0017														
R0217-03	12	16	6	0018		0019	0020	0021	0022	0023	0024	0025	0026												
R0217-03	14	18	8			0027	0028	0029	0030	0031	0032	0033	0034	0035	0036										
R0217-03	15	18	8			0037	0038	0039	0040	0041	0042	0043	0044	0045	0046										
R0217-03	16	20	8	0047		0048	0049	0050	0051	0052	0053	0054	0055	0056	0057			0058							
R0217-03	18	22	8			0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072						
R0217-03	20	24	8			0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086						
R0217-03	22	26	15				0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101				
R0217-03	24	28	15				0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116				
R0217-03	30	36	15					0117	0118	0119	0120	0121	0122	0123	0124			0125			0126	0127			
R0217-03	32	36	15					0128	0129	0130	0131	0132	0133		0134			0135			0136	0137			
R0217-03	40	48	15								0138		0139		0140			0141			0142	0143	0144	0145	
R0217-03	50	58	15									0146		0147		0148			0149			0150	0151		0152
R0217-03	60	68	20														0153	0154	0155		0158	0159	0156	0157	

## R0218 Colonna guida due diametri con forzatura - R011 Two fitting diameters guide pillar, tight fit - R011



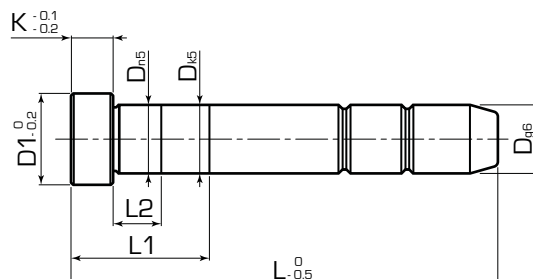
**Descrizione:** **Description:**

Esempio di ordinativo: **R0218-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

Example of purchasing order: **R0218-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	K	L																							
				40	60	80	100	120	140	160	180	180	180	200	200	200	220	240	240	280	300	320	360	360	400	500	
				L1																							
				17	17	22	27	27	36	36	36	46	56	36	46	56	56	46	56	56	56	56	76	76	96		
R0218-03	10	12	3	0001	0002	0003	0004																				
	12	16	6		0005	0006	0007	0008																			
	14	18	8		0009	0010	0011	0012	0013	0014	0015																
	16	20	8		0016	0017	0018	0019	0020	0021	0022			0023				0024									
	18	22	8			0025	0026	0027	0028	0029			0030				0031		0032	0033							
	20	24	8			0034	0035	0036	0037	0038			0039			0040		0041	0042								
	22	26	15				0043	0044	0045	0046		0047				0048	0049	0050	0051	0052	0053	0054					
	24	28	15				0055	0056	0057	0058		0059				0060	0061	0062	0063	0064	0065	0066					
	30	36	15								0067					0068		0069	0070	0071		0072					
	32	36	15								0073					0074		0075	0076	0077		0078					
	40	48	15													0079		0080	0081					0082	0083		
	50	58	15												0084			0085	0086				0087	0088	0089		
	60	68	20															0090	0091				0092	0093	0094		

## R0537 Colonna guida con forzatura Guide pillar, tight fit



### Descrizione:

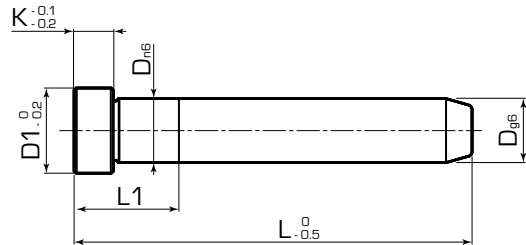
Esempio di ordinativo: R0537-03-0001  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0537-03-0001  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	K	L1	L2	L																		
						60	80	100	120	140	160	180	200	220	250	280	320	360	400	450	500			
R0537-03	14	17	6	22	6	0001	0002	0003	0004															
R0537-03	14	17	6	27	10					0005	0006													
R0537-03	15	18	6	22	6	0007	0008	0009	0010															
R0537-03	15	18	6	27	10					0011	0012													
R0537-03	16	19	6	22	6		0013	0014	0015															
R0537-03	16	19	6	27	10					0016	0017													
R0537-03	18	21	6	22	6		0018	0019	0020															
R0537-03	18	21	6	27	10					0021	0022	0023												
R0537-03	18	21	6	36	10								0024	0025										
R0537-03	20	23	6	22	6		0026	0027	0028															
R0537-03	20	23	6	27	10					0029	0030	0031												
R0537-03	20	23	6	36	10								0032	0033										
R0537-03	22	25	6	27	10			0034	0035	0036	0037	0038												
R0537-03	22	25	6	36	10								0039	0040	0041									
R0537-03	22	25	6	46	10											0042								
R0537-03	24	27	6	27	10			0043	0044	0045	0046	0047												
R0537-03	24	27	6	36	10								0048	0049	0050									
R0537-03	24	27	6	46	10											0051								
R0537-03	30	35	6	36	10				0052	0053	0054	0055	0056	0057	0058									
R0537-03	30	35	6	46	10											0059	0060							
R0537-03	30	35	6	56	10													0061						
R0537-03	32	37	6	36	10			0062	0063	0064	0065	0066	0067	0068										
R0537-03	32	37	6	46	10										0069	0070								
R0537-03	32	37	6	56	10													0071						
R0537-03	40	45	10	46	15				0072		0073		0074	0075										
R0537-03	40	45	10	56	15										0076	0077								
R0537-03	40	45	10	66	15													0078	0079					
R0537-03	42	47	10	46	15				0080		0081		0082	0083										
R0537-03	42	47	10	46	15										0084	0085								
R0537-03	42	47	10	66	15													0086	0087					
R0537-03	50	55	10	56	15						0088		0089	0090	0091									
R0537-03	50	55	10	66	15											0092	0093							
R0537-03	50	55	10	76	15														0094	0095				
R0537-03	52	57	10	56	15						0096		0097	0098	0099									
R0537-03	52	57	10	66	15												0100	0101						
R0537-03	52	57	10	76	15														0102	0103				

## R0529 Colonna guida senza canalini con forzatura Guide pillar without oil grooves, tight fit



### Descrizione:

Esempio di ordinativo: R0529-03-0001  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

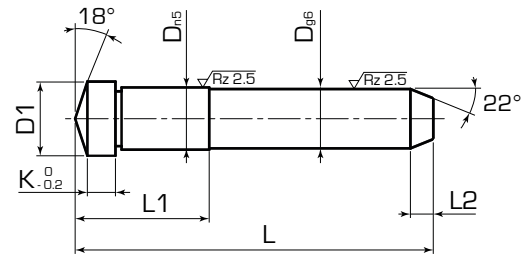
### Description:

Example of purchasing order: R0529-03-0001  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	K	L1	L															
					60	80	100	120	140	160	180	200	220	240	250	280	320	360	400	
R0529-03	14	17	8	22	0001	0002	0003	0004	0005	0006	0007									
R0529-03	16	19	8	22	0008	0009	0010	0011	0012	0013	0014	0015								
R0529-03	18	21	8	22	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025						
R0529-03	20	23	8	22		0026	0027	0028	0029	0030	0031	0032	0033	0034						
R0529-03	22	25	10	27		0035	0036	0037	0038	0039	0040	0041	0042	0043		0044				
R0529-03	24	27	10	27		0045	0046	0047	0048	0049	0050	0051	0052	0053		0054				
R0529-03	30	35	10	36			0055	0056	0057	0058	0059	0060	0061	0062		0063	0064	0065		
R0529-03	32	35	10	36			0066	0067	0068	0069	0070	0071	0072	0073		0074	0075	0076		
R0529-03	40	45	10	36					0077	0078	0079	0080			0081	0082	0083	0084	0085	

### R0210

Colonna inclinata con testa con forzatura  
Inclined pin with collar, tight fit



**Descrizione:**

Esempio di ordinativo: **R0210-03-0001**  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

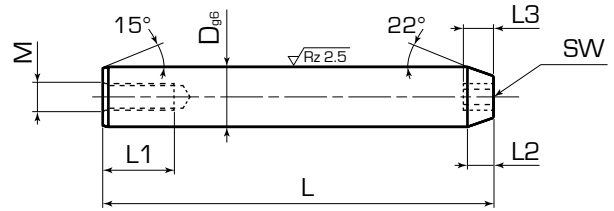
**Description:**

Example of purchasing order: **R0210-03-0001**  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	K	L2	L1	L																				
						40	50	60	70	80	90	100	110	120	140	160	180	200	220	240	280	320	360			
R0210-03	10	12	2	4	13	0075	0076	0001	0077	0002	0078	0003		0004	0079											
R0210-03	12	15	3	5	17			0005	0080	0006	0081	0007	0082	0008	0009	0010	0083									
R0210-03	14	17	3	5	17			0011	0084	0012	0085	0013	0086	0014	0015	0016	0087	0088								
R0210-03	16	19	3	5	22			0017	0089	0018	0090	0019	0091	0020	0021	0022	0023	0024	0092							
R0210-03	18	21	4	7	22			0025	0093	0026	0094	0027	0095	0028	0029	0030	0031	0032	0033	0096						
R0210-03	20	23	4	7	22					0034	0097	0035	0098	0036	0037	0038	0039	0040	0041	0042						
R0210-03	22	25	4	7	27			0043		0044		0045		0046	0047	0048	0049	0050	0051	0052						
R0210-03	24	27	4	7	27					0053		0054		0055	0056	0057	0058	0059	0060	0061	0062					
R0210-03	30	35	5	7	36							0063		0064	0065	0066	0067	0068	0069	0070	0071	0072	0073			



## R0211 Colonna inclinata senza testa Inclined pin without collar



### Descrizione:

Esempio di ordinativo: **R0211-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

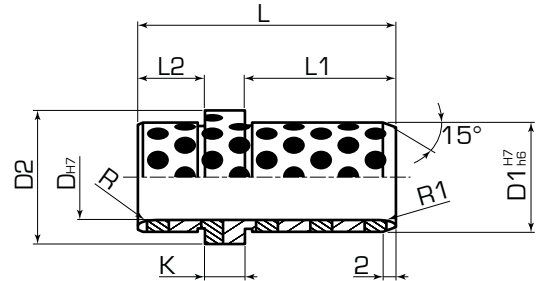
### Description:

Example of purchasing order: **R0211-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	M	L1	SW	L2	L3	L																													
							40	50	60	70	75	80	90	100	110	120	125	130	140	145	150	160	165	170	180	190	200	210	220	240	260					
R0211-03	8	5	10	4	2.3	4	0105	0106		0107	0108																									
R0211-03	10	6	10	4	4	4	0109	0001	0110	0002	0003	0004																								
R0211-03	12	6	10	5	5	5		0111	0005		0006	0007	0008		0009		0010																			
R0211-03	14	6	10	5	5	5		0011	0012	0013	0014	0015	0016	0017	0018		0019		0020			0112														
R0211-03	15	8	17	5	5	5		0021	0022	0023		0024	0025																							
R0211-03	16	8	17	6	5	6			0026			0027	0028	0029	0113	0030	0031	0032		0033		0034	0035		0114											
R0211-03	18	8	17	6	7	6			0036	0037		0038	0039	0040	0115	0041	0042	0043	0044	0045		0046	0047		0048	0049										
R0211-03	20	10	20	8	7	8			0050	0051		0052	0053	0054	0116	0055	0056	0057	0058	0059	0117	0060	0061	0062	0063	0064	0065	0066	0118							
R0211-03	22	10	20	8	7	8			0067	0068		0069	0070	0071		0072		0073		0074		0075		0076		0077	0078									
R0211-03	24	12	25	8	7	8			0079	0080		0081	0082	0083		0084		0085	0086		0087		0088	0119	0089		0090	0091								
R0211-03	30	16	30	10	7	10						0092	0093	0094		0095		0096					0120				0121									
R0211-03	32	16	30	10	7	10						0097	0098	0099		0100		0101																		

## R0304

Bussola guida con collare spallata in bronzo/grafite - R2087.73  
Guide bush with centring collar, bronze/graphite - R2087.73



### Descrizione:

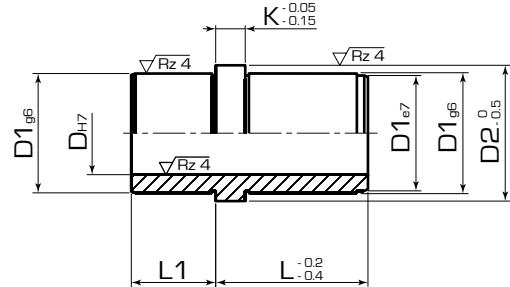
Esempio di ordinativo: R0304-07-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0304-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	L1	K	L2	R	R1	L											
									43	60	64	77	78	92	95	100	108			
R0304-07	25	35	40	24	7.5	11.5	3	2	0001											
R0304-07	30	42	47	24	7.5	11.5	3	2	0002											
R0304-07	40	50	60	35.5	6	18.5	4	2		0003										
R0304-07	40	50	60	39.5	6	18.5	4	2			0004									
R0304-07	50	63	72	44.5	8	24.5	4	3				0005								
R0304-07	50	63	72	55.5	8	28.5	4	3						0006						
R0304-07	60	80	86	49	7.5	21.5	3	3					0007							
R0304-07	63	80	90	55.5	8	31.5	4	3							0008					
R0304-07	63	80	90	62.5	8	29.5	4	3								0009				
R0304-07	63	80	90	62.5	8	37.5	4	3												0010

## R0548 Bussola guida con collare spallata in bronzo Bronze guide bush with centring collar



### Descrizione:

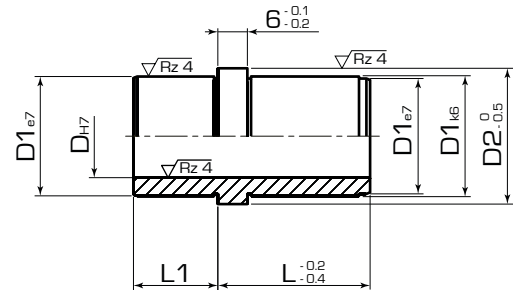
Esempio di ordinativo: R0548-03-0001  
Materiale: Bronzo

### Description:

Example of purchasing order: R0548-03-0001  
Material: Bronze

Codice Code	D	D1	D2	K	L1	L							
						10	12	17	22	27	36	46	
R0548-03	10	14	17	3	5	0026							
R0548-03	10	14	17	6	9		0001	0002					
R0548-03	10	14	17	3	10	0027							
R0548-03	12	16	19	6	9			0003					
R0548-03	12	16	19	6	12			0004					
R0548-03	14	18	21	6	12			0005	0006				
R0548-03	14	18	21	6	17				0007				
R0548-03	18	24	27	6	12			0008	0009				
R0548-03	18	24	27	6	17				0010	0011			
R0548-03	18	24	27	6	22					0012			
R0548-03	20	26	29	6	17				0013				
R0548-03	20	26	29	6	22					0014			
R0548-03	22	28	31	6	17				0015				
R0548-03	22	28	31	6	22					0016			
R0548-03	24	30	33	6	17				0017	0018			
R0548-03	24	30	33	6	22					0019			
R0548-03	24	30	33	6	27						0020		
R0548-03	30	38	41	6	22					0021			
R0548-03	30	38	41	6	27						0022	0023	
R0548-03	30	38	41	6	36							0024	
R0548-03	40	48	51	6	36								0025

## R0580 Bussola guida con collare spallata Guide bush with centring collar



### Descrizione:

Esempio di ordinativo: R0580-03-0001  
Materiale: 1.7131 ≈60 HRC

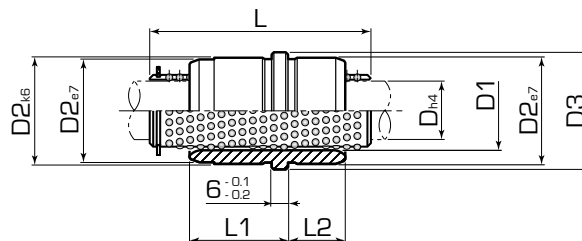
### Description:

Example of purchasing order: R0580-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	L1	L					
					12	17	22	27	36	46
R0580-03	10	14	17	9	0001	0002				
R0580-03	12	16	19	9		0003				
R0580-03	12	16	19	12		0004				
R0580-03	14	18	21	12		0005	0006			
R0580-03	14	18	21	17			0007			
R0580-03	18	24	27	12		0008	0009			
R0580-03	18	24	27	17			0010	0011		
R0580-03	18	24	27	22				0012		
R0580-03	20	26	29	17			0013			
R0580-03	20	26	29	22				0014		
R0580-03	22	28	31	17			0015			
R0580-03	22	28	31	22				0016		
R0580-03	24	30	33	17			0017	0018		
R0580-03	24	30	33	22				0019		
R0580-03	24	30	33	27					0020	
R0580-03	30	38	41	22				0021		
R0580-03	30	38	41	27					0022	0023
R0580-03	30	38	41	36						0024
R0580-03	40	48	51	36						0025

## R0690

Gruppo guida (bussola - gabbia a sfere) con collare spallata - R12M  
Guiding unit (bush - ball cage) with centring collar - R12M



### Descrizione:

Materiale:  
Bussola: 1.7131 ≈60 HRC  
Gabbia: Ottone  
Sfera: Acciaio INOX

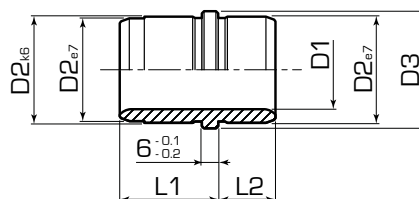
### Description:

Material:  
Bush: 1.7131 ≈60 HRC  
Cage: Brass  
Ball: Stainless Steel

Codice Code	D	L	D1	D2	D3	L1	L2	Corsa max. max. Stroke
R0690-03-0001	12	40	16	22	25	17	9	35
R0690-03-0002	12	56	16	22	25	17	9	80
R0690-03-0003	18	45	24	30	33	22	12	45
R0690-03-0004	18	56	24	30	33	22	12	65
R0690-03-0005	18	71	24	30	33	22	12	90
R0690-03-0006	24	56	30	38	41	27	17	45
R0690-03-0007	24	71	30	38	41	27	17	75
R0690-03-0008	24	80	30	38	41	27	17	105
R0690-03-0009	30	71	38	46	49	32	22	55
R0690-03-0010	30	95	38	46	49	32	22	95
R0690-03-0011	30	105	38	46	49	32	22	135

## R0691

Bussola guida con collare spallata per gabbia a sfere - R12MB3  
Guide bush with centring collar, for ball cage - R12MB3



### Descrizione:

Materiale: 1.7131 ≈60 HRC

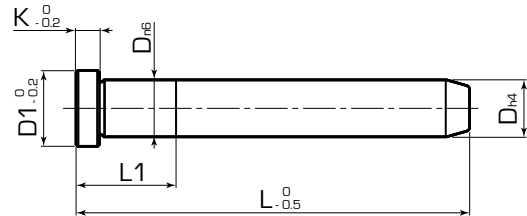
### Description:

Material: 1.7131 ≈60 HRC

Codice Code	D1	D2	D3	L1	L2
R0691-03-0001	16	22	25	17	9
R0691-03-0002	24	30	33	22	12
R0691-03-0003	30	38	41	27	17
R0691-03-0004	38	46	49	32	22

## R0692

Colonna guida senza canalini per scorrimento sfere con forzatura - R012M  
Guide pillar without oil grooves with collar, for ball bearing sliding - R012M



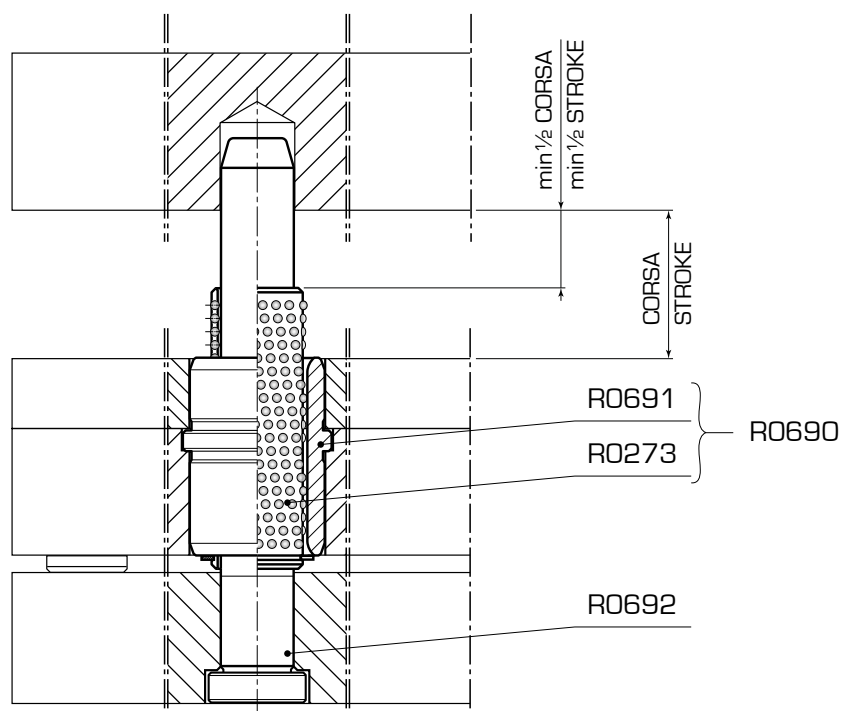
### Descrizione:

Esempio di ordinativo: R0692-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

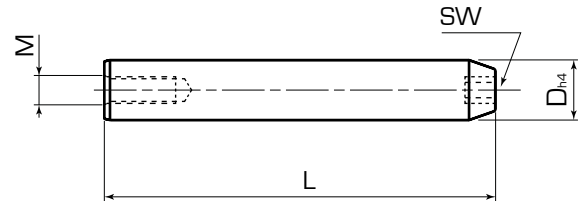
Example of purchasing order: R0692-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L1	K	L						
					80	100	120	140	160	200	250
R0692-03	12	15	17	4	0001	0002	0003				
R0692-03	18	21	22	6			0004	0005	0006		
R0692-03	24	27	27	6				0007	0008	0009	
R0692-03	30	35	36	6					0010	0011	0012



## R0693

Colonna guida senza testa senza canalini per scorrimento sfere - R013M  
Guide pillar without oil grooves without collar, for ball bearing sliding - R013M



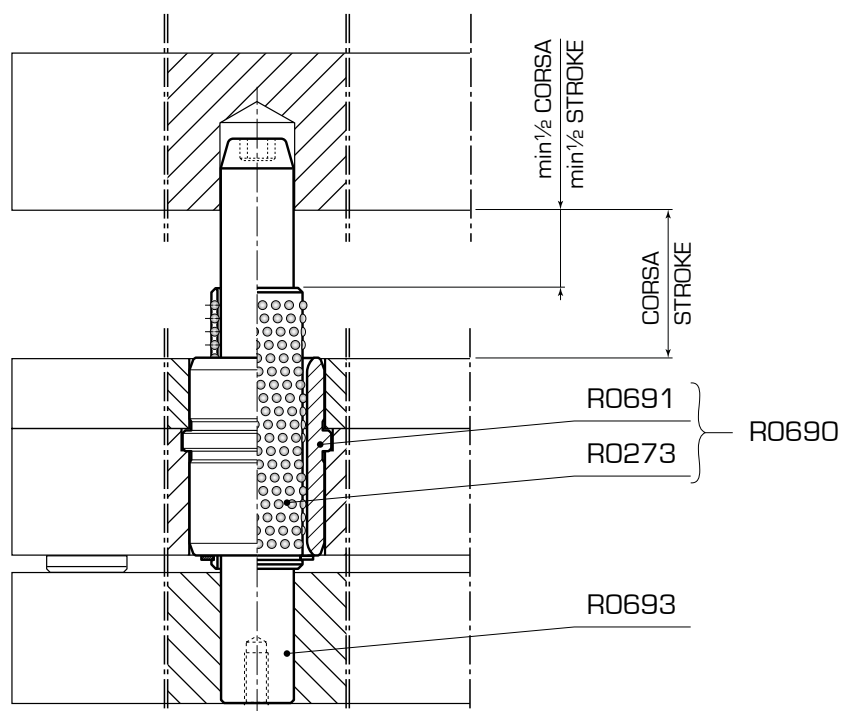
### Descrizione:

Esempio di ordinativo: R0693-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

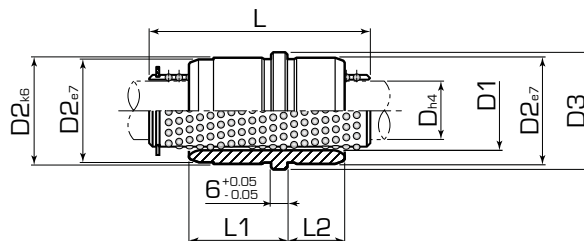
Example of purchasing order: R0693-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	M	SW	L					
				100	120	140	160	200	250
R0693-03	12	M8	5	0001	0002				
R0693-03	18	M10	6		0003	0004	0005		
R0693-03	24	M12	8			0006	0007	0008	
R0693-03	30	M16	8				0009	0010	0011



## R0205

Gruppo guida (bussola - gabbia a sfere) con collare spallata - R12H  
Guiding unit (bush - ball cage) with centring collar - R12H



### Descrizione:

Material: 1.7131 ≈60 HRC  
Bussola: 1.7131 ≈60 HRC  
Gabbia: Ottone  
Sfera: Acciaio INOX

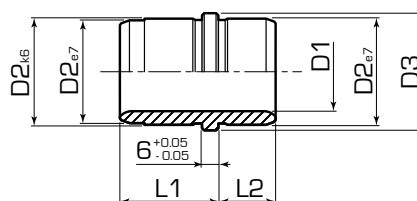
### Description:

Material: 1.7131 ≈60 HRC  
Bush: 1.7131 ≈60 HRC  
Cage: Brass  
Ball: Stainless Steel

Codice Code	D	L	D1	D2	D3	L1	L2	Corsa max. max. Stroke
R0205-03-0001	12	40	16	22	26	18	6	50
R0205-03-0002	12	56	16	22	26	18	6	82
R0205-03-0003	18	45	24	30	35	23	11	44
R0205-03-0004	18	56	24	30	35	23	11	66
R0205-03-0005	18	71	24	30	35	23	11	96
R0205-03-0006	30	56	38	46	52	33	21	32
R0205-03-0007	30	75	38	46	52	33	21	70
R0205-03-0008	30	95	38	46	52	33	21	110

## R0206

Bussola guida con collare spallata per gabbia a sfere - R12HB3  
Guide bush with centring collar, for ball bearing sliding - R12HB3



### Descrizione:

Material: 1.7131 ≈60 HRC

### Description:

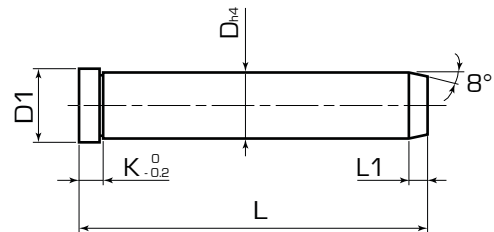
Material: 1.7131 ≈60 HRC

Codice Code	D1	D2	D3	L1	L2
R0206-03-0001	16	22	26	18	6
R0206-03-0002	24	30	35	23	11
R0206-03-0003	38	46	52	33	21



## R0208

Colonna guida senza canalini per scorrimento sfere - R012H  
Guide pillar with collar without oil grooves, for ball bearing sliding - R012H



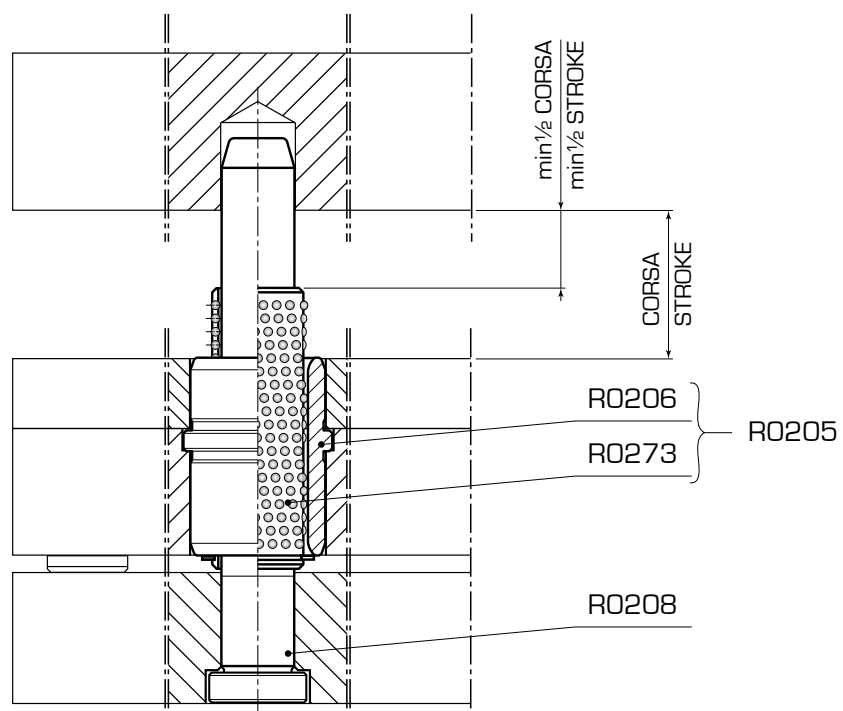
### Descrizione:

Esempio di ordinativo: R0208-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

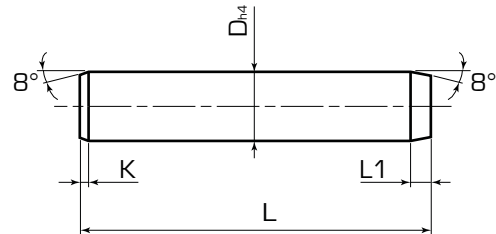
Example of purchasing order: R0208-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L1	K	L										
					80	100	120	140	160	180	200	240	280	300	
R0208-03	12	16	4	4	0001	0002	0003	0004							
R0208-03	18	22	7	6	0005	0006	0007	0008	0009	0010	0011	0012			
R0208-03	24	27	7	6				0018	0019		0020				
R0208-03	30	36	7	6					0013		0014	0015	0016	0017	



## R0209

Colonna guida senza testa senza canalini per scorrimento sfere - R013H  
Guide pillar without collar without oil grooves, for ball bearing sliding - R013H



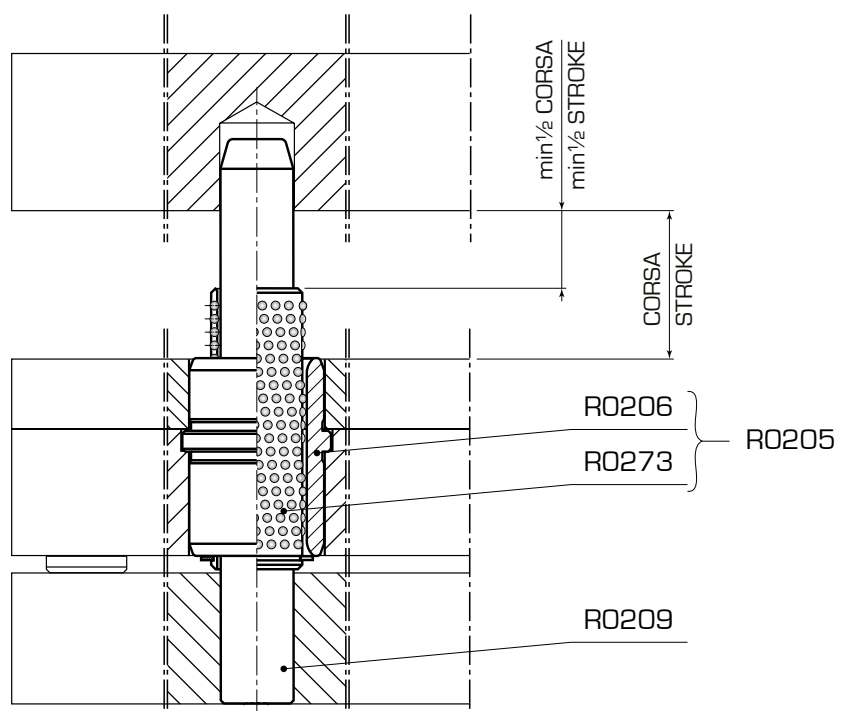
### Descrizione:

Esempio di ordinativo: R0209-03-0001  
Materiale: 1.7131 ≈60 HRC

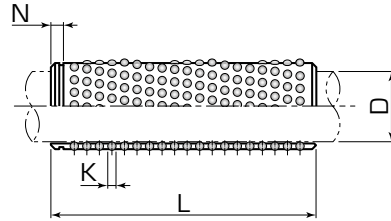
### Description:

Example of purchasing order: R0209-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	K	L								
				80	100	125	140	160	180	200	240	
R0209-03	12	4	3	0001	0002	0003						
R0209-03	18	7	3		0004	0005	0006	0007	0008	0009		
R0209-03	24	7	3				0013	0014		0015		
R0209-03	30	7	3					0010		0011	0012	



## R0273 Gabbia a sfera - GS Ball cage - GS



**Descrizione:** **Description:**

Esempio di ordinativo: R0273-04-0001

Materiale:

Gabbia: Ottone

Sfera: Acciaio INOX

Example of purchasing order: R0273-04-0001

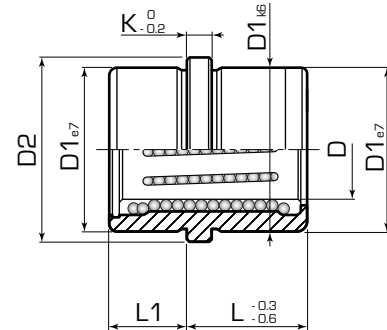
Material:

Cage: Brass

Ball: Stainless Steel

Codice Code	D	K	N	L												
				31	40	45	50	56	71	75	80	95	105	120	140	160
R0273-04	12	2	2.2		0006			0007								
R0273-04	18	3	2.9			0143		0144	0145							
R0273-04	24	3	2.9	0032	0033	0034		0035	0036		0037	0038	0147	0039		
R0273-04	30	4	3.95		0048	0049	0050	0051	0052	0146	0053	0054	0055	0056	0057	0058

## R0574 Bussola guida con collare spallata a ricircolo sfere - BRSSM Recirculating ball guide bush with centring collar - BRSSM



### Descrizione:

Esempio di ordinativo: R0574-03-0001

Materiale:

Bussola: 1.7131 ≈60 HRC

Gabbia: Ottone

Sfera: Acciaio INOX

### Description:

Example of purchasing order: R0574-03-0001

Material:

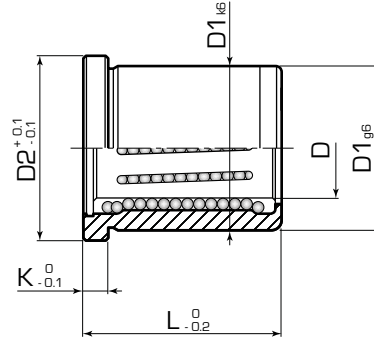
Bush: 1.7131 ≈60 HRC

Cage: Brass

Ball: Stainless Steel

Codice Code	D	D1	D2	L1	K	L				
						17	22	27	32	36
R0574-03	12	22	25	9	6	0001				
R0574-03	12	22	25	12	6	0002				
R0574-03	18	30	33	12	6		0003			
R0574-03	18	30	33	17	6		0004			
R0574-03	24	38	41	17	6			0005		
R0574-03	24	38	41	22	6			0006		
R0574-03	30	46	49	22	6				0007	
R0574-03	30	46	49	27	6					0008

## R0220 Bussola guida con collare a ricircolo sfere - BRSC Recirculating ball guide bush with collar - BRSC



**Descrizione:** **Description:**

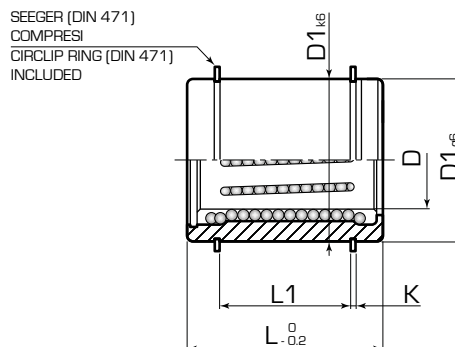
Esempio di ordinativo: R0220-03-0001  
 Materiale:  
 Bussola: 1.7131 ≈60 HRC  
 Gabbia: Ottone  
 Sfera: Acciaio INOX

Example of purchasing order: R0220-03-0001  
 Material:  
 Bush: 1.7131 ≈60 HRC  
 Cage: Brass  
 Ball: Stainless Steel

Codice Code	D	D1	D2	K	Diam. Sfere Diam. Ball	Numero linee Line number	L			
							35	45	55	63
R0220-03	20	32	36	6	3	6	0001			
R0220-03	25	40	45	6	3	8	0002	0003	0004	
R0220-03	32	50	56	8	4	8		0005		0006
R0220-03	40	60	66	8	4	8		0007		0008

## R0221

Bussola guida senza collare a ricircolo sfere - BRSL  
Recirculating ball guide bush without collar - BRSL



### Descrizione:

Esempio di ordinativo: R0221-03-0001

Materiale:  
Bussola: 1.7131 ≈60 HRC  
Gabbia: Ottone  
Sfera: Acciaio INOX

### Description:

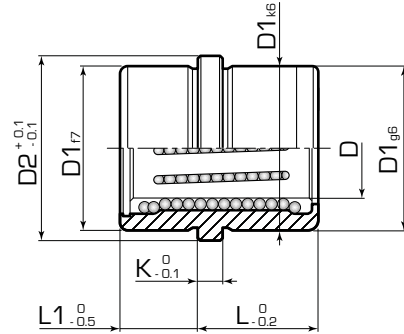
Example of purchasing order: R0221-03-0001

Material:  
Bush: 1.7131 ≈60 HRC  
Cage: Brass  
Ball: Stainless Steel

Codice Code	D	D1	L1	K	Diam. Sfere Diam. Ball	Numero linee Line number	L					
							30	35	45	55	63	
R0221-03	12	24	20	1.3	3	5	0001					
R0221-03	16	28	19	1.6	3	6	0002					
R0221-03	16	28	24	1.6	3	6		0003				
R0221-03	20	32	24	1.6	3	6		0004				
R0221-03	20	32	34	1.6	3	6			0005			
R0221-03	25	40	23	1.8	3	8		0006				
R0221-03	25	40	33	1.8	3	8			0007			
R0221-03	25	40	43	1.8	3	8				0008		
R0221-03	32	50	33	2.1	4	8			0009			
R0221-03	32	50	51	2.1	4	8						0010
R0221-03	40	60	33	2.1	4	8			0011			
R0221-03	40	60	51	2.1	4	8						0012

## R0222

Bussola guida con collare spallata a ricircolo sfere - BRSS  
Shouldered recirculating ball guide bush with centering collar - BRSS



### Descrizione:

Esempio di ordinativo: R0222-03-0001  
Materiale:  
Bussola: 1.7131 ≈60 HRC  
Gabbia: Ottone  
Sfera: Acciaio INOX

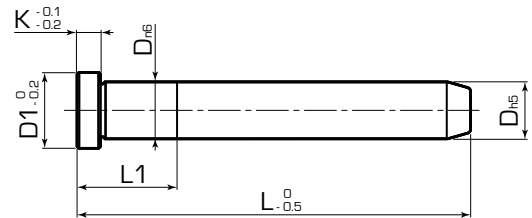
### Description:

Example of purchasing order: R0222-03-0001  
Material:  
Bush: 1.7131 ≈60 HRC  
Cage: Brass  
Ball: Stainless Steel

Codice Code	D	D1	D2	L1	K	Diam. Sfere Diam. Ball	Numero linee Line number	L						
								22	26	35	45	55	63	
R0222-03	12	24	28	8	6	3	5	0001						
R0222-03	16	28	32	8	6	3	6	0002						
R0222-03	16	28	32	9	6	3	6		0003					
R0222-03	20	32	36	9	6	3	6		0004	0005				
R0222-03	25	40	45	9	6	3	8		0006					
R0222-03	25	40	45	10	6	3	8			0007	0008	0009		
R0222-03	32	50	56	12	8	4	8				0010		0011	
R0222-03	40	60	66	12	8	4	8				0012		0013	

## R0528

Colonna guida senza canalini per scorrimento sfere - R012  
Guide pillar without oil grooves, for ball bearing sliding - R012



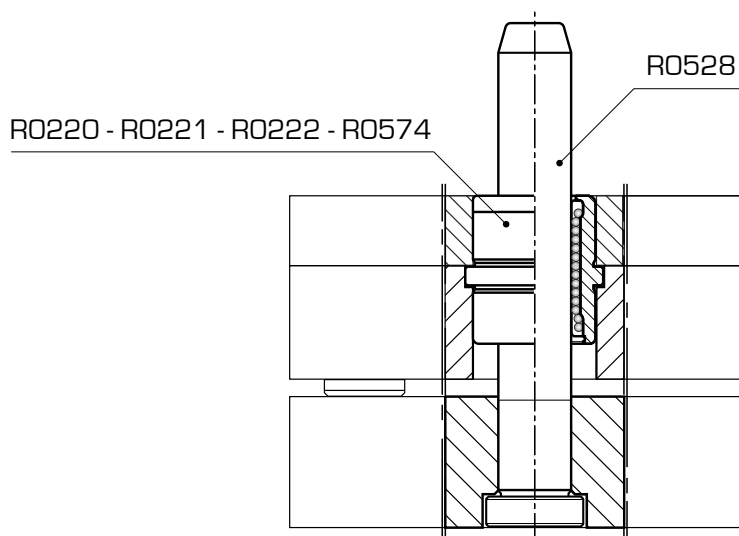
### Descrizione:

Esempio di ordinativo: R0528-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

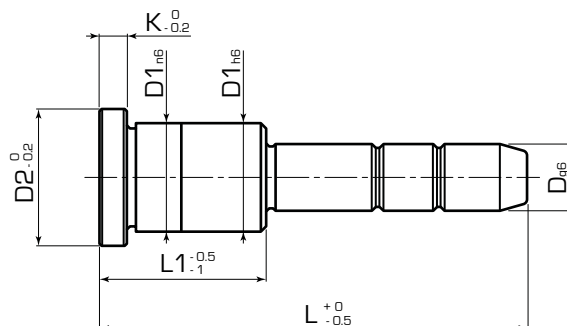
Example of purchasing order: R0528-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L1	K	L								
					80	100	125	160	200	250	315	400	
R0528-03	12	16	16	4	0001	0002	0003						
R0528-03	16	20	20	6	0004	0005	0006	0007	0008				
R0528-03	20	24	22	6		0009	0010	0011	0012	0013			
R0528-03	25	30	25	6			0014	0015	0016	0017	0018		
R0528-03	32	37	35	8			0019		0020	0021	0022		
R0528-03	40	45	35	8			0023		0024	0025	0026	0027	
R0528-03	50	55	45	10							0028	0029	
R0528-03	60	65	55	10							0030	0031	





## R0196 Colonna guida due diametri con forzatura - C1 Two fitting diameters guide pillar, tight fit - C1



**Descrizione:**

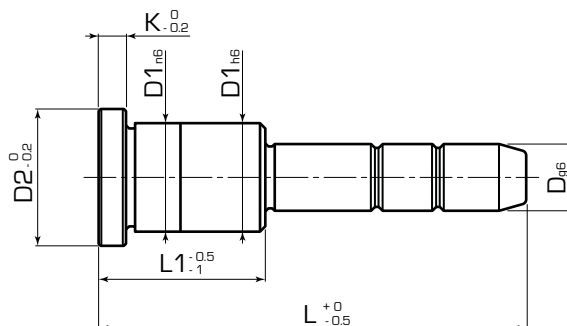
Esempio di ordinativo: **R0196-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

**Description:**

Example of purchasing order: **R0196-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L																			
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	400		
R0196-03	12	18	22	5	22	0001	0002	0003	0004	0005	0006														
					26	0007	0008	0009	0010	0011	0012														
					36	0013	0014	0015	0016	0017	0018	0019													
					46			0020	0021	0022	0023	0024													
					56					0025	0026	0027													
R0196-03	14	20	24	5	22	0028	0029	0030	0031	0032	0033														
					26		0034	0035	0036	0037	0038	0039													
					36			0040	0041	0042	0043	0044													
					46			0045	0046	0047	0048	0049													
					56					0050	0051	0052													
R0196-03	16	22	26	5	22	0053	0054	0055	0056	0057	0058														
					26	0059	0060	0061	0062	0063	0064	0065	0066												
					36		0067	0068	0069	0070	0071	0072	0073												
					46			0074	0075	0076	0077	0078	0079	0080											
					56				0081	0082	0083	0084	0085	0086	0087	0088									
					66						0089	0090	0091	0092	0093	0094									
					76							0095	0096	0097	0098	0099	0100								
					96									0101	0102	0103	0104								
R0196-03	18	26	30	5	26		0105	0106	0107	0108	0109														
					36		0110	0111	0112	0113	0114	0115	0116												
					46			0117	0118	0119	0120	0121	0122	0123											
					56				0124	0125	0126	0127	0128	0129	0130										
					66						0131	0132	0133	0134	0135										
					76							0136	0137	0138	0139										
R0196-03	20	28	32	6	26		0140	0141	0142	0143	0144	0145	0146												
					36		0147	0148	0149	0150	0151	0152	0153	0154											
					46			0155	0156	0157	0158	0159	0160	0161											
					56				0162	0163	0164	0165	0166	0167	0168	0169									
					66						0170	0171	0172	0173	0174	0175									
					76							0176	0177	0178	0179	0180									
					86								0181	0182	0183	0184									
					96								0185	0186	0187	0188									

## R0196 Colonna guida due diametri con forzatura - C1 Two fitting diameters guide pillar, tight fit - C1



### Descrizione:

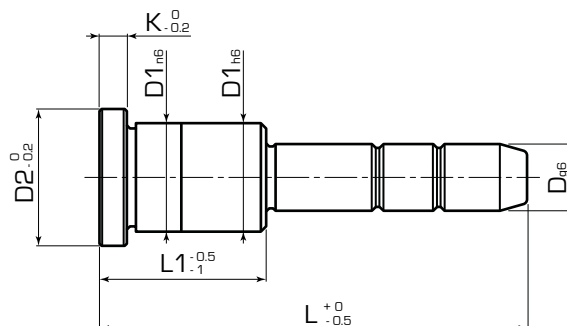
Esempio di ordinativo: R0196-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0196-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L																				
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	400			
R0196-03	20	30	34	6	26	0189	0190	0191	0192	0193	0194	0195														
					36	0196	0197	0198	0199	0200	0201	0202	0203													
					46		0204	0205	0206	0207	0208	0209	0210													
					56			0211	0212	0213	0214	0215	0216	0217	0218											
					66					0219	0220	0221	0222	0223	0224											
					76						0225	0226	0227	0228	0229											
					86									0230	0231	0232	0233									
					96									0234	0235	0236	0237									
R0196-03	25	34	38	7	26			0238	0239	0240																
					36			0241	0242	0243	0244	0245	0246	0247												
					46				0248	0249	0250	0251	0252	0253	0254											
					56					0255	0256	0257	0258	0259	0260	0261	0262									
					66						0263	0264	0265	0266	0267	0268	0269	0270	0271							
					76						0272	0273	0274	0275	0276	0277	0278	0279	0280							
					86									0281	0282	0283	0284	0285	0286	0287	0288					
					96									0289	0290	0291	0292	0293	0294	0295	0296					
116											0300	0301	0302	0303	0304	0305										
R0196-03	25	36	40	7	26			0306	0307	0308																
					36			0309	0310	0311	0312	0313	0314	0315												
					46				0316	0317	0318	0319	0320	0321	0322											
					56					0323	0324	0325	0326	0327	0328	0329	0330									
					66						0331	0332	0333	0334	0335	0336	0337	0338	0339							
					76						0340	0341	0342	0343	0344	0345	0346	0347	0348							
					86								0349	0350	0351	0352	0353	0354	0355	0356						
					96									0357	0358	0359	0360	0361	0362	0363	0364					
116											0365	0366	0367	0368	0369	0370										

## R0196 Colonna guida due diametri con forzatura - C1 Two fitting diameters guide pillar, tight fit - C1



**Descrizione:**

Esempio di ordinativo: **R0196-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

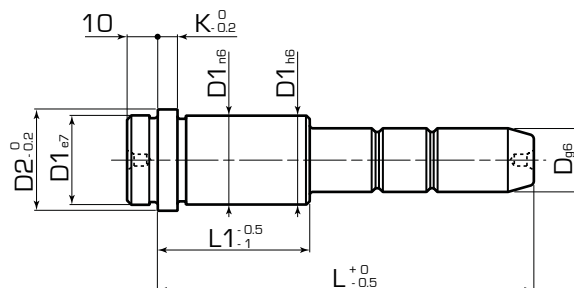
**Description:**

Example of purchasing order: **R0196-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L																										
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	400									
R0196-03	32	40	45	7	36						0371	0372																				
					46					0373	0374	0375	0376																			
					56					0377	0378	0379	0380	0381	0382	0383	0384															
					66						0385	0386	0387	0388	0389	0390	0391	0392	0393													
					76								0394	0395	0396	0397	0398	0399	0400	0401												
					86									0402	0403	0404	0405	0406	0407	0408												
					96										0409	0410	0411	0412	0413	0414	0415	0416	0417									
					106											0418	0419	0420	0421	0422	0423	0424	0425	0426								
					116												0427	0428	0429	0430	0431	0432	0433	0434	0435	0436						
					126													0437	0438	0439	0440	0441	0442	0443	0444	0445						
146															0446	0447	0448	0449	0450	0451	0452	0453										
R0196-03	40	48	52	8	46						0454	0455	0456	0457	0458																	
					56					0459	0460	0461	0462	0463	0464																	
					66							0465	0466	0467	0468	0469																
					76								0470	0471	0472	0473	0474	0475														
					86									0476	0477	0478	0479	0480	0481	0482												
					96										0483	0484	0485	0486	0487	0488	0489	0490	0491									
					106											0492	0493	0494	0495	0496	0497	0498	0499									
					116												0500	0501	0502	0503	0504	0505	0506	0507	0508							
					126													0509	0510	0511	0512	0513	0514	0515	0516	0517						
					146																0518	0519	0520	0521	0522	0523						
R0196-03	50	60	65	10	96									0524	0525	0526	0527	0528	0529	0530	0531											
					126															0532	0533	0534	0535	0536	0537	0538						
					146																	0539	0540	0541	0542	0543	0544					

## R0197

Colonna guida due diametri spallata con forzatura - C1S  
Two fitting diameters guide pillar with centring collar, tight fit - C1S



### Descrizione:

Esempio di ordinativo: R0197-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

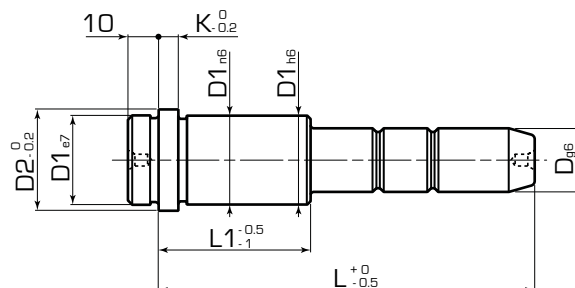
### Description:

Example of purchasing order: R0197-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L															
						50	60	70	80	90	100	120	140	160	180	200	220				
R0197-03	16	22	26	5	22	0001	0002	0003	0004												
R0197-03	16	22	26	5	26	0005	0006	0007	0008	0009	0010	0011									
R0197-03	16	22	26	5	36			0012	0013	0014	0015	0016	0319								
R0197-03	16	22	26	5	46			0017	0018	0019	0020	0021	0022	0023							
R0197-03	16	22	26	5	56					0024	0025	0026	0027	0028	0029	0030					
R0197-03	16	22	26	5	66						0031	0032	0033	0034	0035	0036					
R0197-03	16	22	26	5	76							0037	0038	0039	0040	0041					
R0197-03	16	22	26	5	96								0045	0046	0047	0048					
R0197-03	20	28	32	6	26		0049	0050	0051	0052	0053	0054									
R0197-03	20	28	32	6	36		0055	0056	0057	0058	0059	0060	0061	0062							
R0197-03	20	28	32	6	46			0063	0064	0320	0065	0066	0067	0068							
R0197-03	20	28	32	6	56				0069	0321	0070	0071	0072	0073	0322	0323					
R0197-03	20	28	32	6	66						0074	0075	0076	0077	0078	0079					
R0197-03	20	28	32	6	76							0080	0081	0082	0083	0084					
R0197-03	20	28	32	6	86								0085	0086	0087	0088					
R0197-03	20	28	32	6	96								0089	0090	0091	0092					
R0197-03	20	30	34	6	36			0104	0105		0107	0108	0109								
R0197-03	20	30	34	6	46				0112		0113	0114	0115	0116							
R0197-03	20	30	34	6	56						0118	0119	0120	0121							
R0197-03	20	30	34	6	66							0123	0124	0125							
R0197-03	20	30	34	6	76								0129	0130	0131						
R0197-03	20	30	34	6	96								0137	0138	0139	0140					
R0197-03	25	34	38	7	26				0145	0146	0147										
R0197-03	25	34	38	7	36				0148	0149	0150	0151	0152	0153	0154						
R0197-03	25	34	38	7	46				0155	0156	0157	0158	0159	0160	0161	0162					
R0197-03	25	34	38	7	56					0163	0164	0165	0166	0167	0168	0169					
R0197-03	25	34	38	7	66						0170	0171	0172	0173	0174	0175					

## R0197

Colonna guida due diametri spallata con forzatura - C1S  
Two fitting diameters guide pillar with centring collar, tight fit - C1S



### Descrizione:

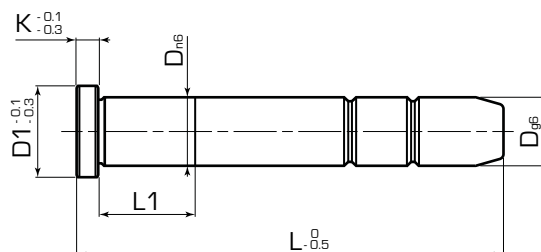
Esempio di ordinativo: R0197-03-0001  
Materiale: 1.7131 ≈60 HRC  
Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0197-03-0001  
Material: 1.7131 ≈60 HRC  
Coating: DLC upon request

Codice Code	D	D1	D2	K	L1	L															
						50	60	70	80	90	100	120	140	160	180	200	220				
R0197-03	25	34	38	7	76							0176	0177	0178	0179	0180					
R0197-03	25	34	38	7	86								0181	0182	0183	0184					
R0197-03	25	34	38	7	96								0185	0186	0187	0188					
R0197-03	25	36	40	7	36				0196		0198	0199	0200								
R0197-03	25	36	40	7	46				0203		0205	0206	0207	0208							
R0197-03	25	36	40	7	56						0212	0213	0214	0215							
R0197-03	25	36	40	7	66							0219	0220	0221	0222						
R0197-03	25	36	40	7	76								0225	0226	0227						
R0197-03	25	36	40	7	96								0233	0234	0235	0236					
R0197-03	32	40	45	7	36				0242	0243	0244	0245	0246								
R0197-03	32	40	45	7	46				0247	0248	0249	0250	0251	0252							
R0197-03	32	40	45	7	56						0253	0254	0255	0256	0257	0258	0259				
R0197-03	32	40	45	7	66						0260	0261	0262	0263	0264	0265	0266				
R0197-03	32	40	45	7	76							0267	0268	0269	0270	0271	0272				
R0197-03	32	40	45	7	86								0273	0274	0275	0276	0277				
R0197-03	32	40	45	7	96								0278	0279	0280	0281	0282				
R0197-03	32	40	45	7	106										0283	0284	0285				
R0197-03	32	40	45	7	116										0286	0287	0288				
R0197-03	32	40	45	7	126										0289	0290	0291				
R0197-03	32	40	45	7	146										0292	0293	0294				
R0197-03	40	48	52	8	46						0324	0325									
R0197-03	40	48	52	8	56						0295	0296	0297								
R0197-03	40	48	52	8	66						0298	0299	0300	0301	0326						
R0197-03	40	48	52	8	76							0302	0303	0304	0305	0306					
R0197-03	40	48	52	8	86							0307	0308	0309	0310	0311					
R0197-03	40	48	52	8	96								0312	0313	0314	0315					

## R0201 Colonna guida con forzatura - C2 Guide pillar, tight fit - C2



### Descrizione:

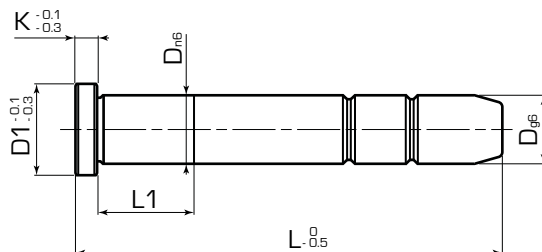
Esempio di ordinativo: R0201-03-0001  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: R0201-03-0001  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	L	L1	D											
			12	14	16	18	20	25	32	40	50	60		
			D1											
			16	18	20	22	24	30	37	45	55	68		
K														
			5	5	5	5	6	7	7	8	10	12		
R0201-03	50	13	0001	0010	0023	0038								
R0201-03	60	13	0002	0011	0024	0039								
R0201-03	60	14					0053							
R0201-03	70	13	0003	0012	0025	0040								
R0201-03	70	14					0054							
R0201-03	80	20	0004	0013	0026	0041								
R0201-03	80	21					0055							
R0201-03	80	22						0071						
R0201-03	90	20	0005	0014	0027	0042								
R0201-03	90	21					0056							
R0201-03	90	22						0072						
R0201-03	100	25	0006	0015	0028	0043								
R0201-03	100	26					0057							
R0201-03	100	27						0073						
R0201-03	110	25		0016	0029	0044								
R0201-03	110	26					0058							
R0201-03	120	25	0007	0017	0030	0045								
R0201-03	120	26					0059							
R0201-03	120	27						0074	0086					
R0201-03	120	28								0099				
R0201-03	130	25		0018	0031	0046								
R0201-03	130	26					0060							
R0201-03	140	25	0008	0019	0032	0047								
R0201-03	140	26					0061							
R0201-03	140	27						0075	0087					
R0201-03	140	28								0100				
R0201-03	150	25		0020	0033	0048								
R0201-03	150	26					0062							
R0201-03	160	25	0009	0021	0034	0049								
R0201-03	160	26					0063							
R0201-03	160	27						0076	0088					
R0201-03	160	28								0101				
R0201-03	180	30		0022	0035	0050								
R0201-03	180	31					0064							
R0201-03	180	32						0077	0089					
R0201-03	180	33								0102				
R0201-03	200	30			0036	0051								
R0201-03	200	31					0065							
R0201-03	200	32						0078	0090					

## R0201 Colonna guida con forzatura - C2 Guide pillar, tight fit - C2



### Descrizione:

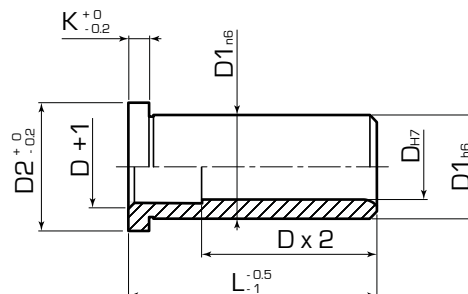
Esempio di ordinativo: **R0201-03-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Rivestimento: DLC su richiesta

### Description:

Example of purchasing order: **R0201-03-0001**  
 Material: 1.7131 ≈60 HRC  
 Coating: DLC upon request

Codice Code	L	L1	D											
			12	14	16	18	20	25	32	40	50	60		
			D1											
			16	18	20	22	24	30	37	45	55	68		
K														
			5	5	5	5	6	7	7	8	10	12		
R0201-03	200	33									0103			
R0201-03	220	30												
R0201-03	220	31			0037	0052								
R0201-03	220	32					0066							
R0201-03	220	33						0079	0091					
R0201-03	240	41					0067			0104				
R0201-03	240	42						0080	0092					
R0201-03	240	43								0105				
R0201-03	240	45										0113		
R0201-03	260	41					0068							
R0201-03	260	42						0081	0093					
R0201-03	260	43								0106				
R0201-03	260	45										0114		
R0201-03	280	41					0069							
R0201-03	280	42						0082	0094					
R0201-03	280	43								0107				
R0201-03	280	45										0115		
R0201-03	300	51					0070							
R0201-03	300	52						0083	0095					
R0201-03	300	53								0108				
R0201-03	300	55										0116		
R0201-03	350	62						0084	0096					
R0201-03	350	63								0109				
R0201-03	350	65										0117		
R0201-03	350	67											0123	
R0201-03	400	62						0085	0097					
R0201-03	400	63								0110				
R0201-03	400	65										0118		
R0201-03	400	67											0124	
R0201-03	450	72							0098					
R0201-03	450	73								0111				
R0201-03	450	75										0119		
R0201-03	500	72								0112				
R0201-03	500	73										0120		
R0201-03	500	75											0125	
R0201-03	600	85										0121		
R0201-03	600	87											0126	
R0201-03	800	85										0122		
R0201-03	800	87											0127	

## R0198 Bussola guida con collare con forzatura - B1 Headed guide bush, tight fit - B1



**Descrizione:**

Esempio di ordinativo: R0198-03-0001  
Materiale: 1.7131 ≈60 HRC

**Description:**

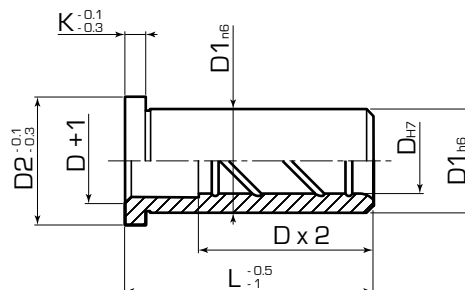
Example of purchasing order: R0198-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	K	L																
					22	26	36	46	56	66	76	86	96	106	116	126	136	146	156	176	196
R0198-03	12	18	22	5	0001	0002	0003	0004	0005												
R0198-03	14	20	24	5	0006	0007	0008	0009	0010	0011											
R0198-03	16	22	26	5	0012	0013	0014	0015	0016	0017	0018	0019	0020								
R0198-03	18	26	30	5	0021	0022	0023	0024	0025	0026	0027	0028	0029								
R0198-03	20	28	32	6	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041					
R0198-03	20	30	34	6	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053					
R0198-03	25	34	38	7		0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064					
R0198-03	25	36	40	7		0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075					
R0198-03	32	40	45	7		0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088			
R0198-03	40	48	52	8			0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100			
R0198-03	50	60	65	10							0101	0102	0103	0104	0105	0106	0107	0108	0109		
R0198-03	60	74	84	12								0110	0111	0112	0113		0114	0115	0116	0177	



## R0199

Bussola guida in bronzo con collare con forzatura - B1B  
Bronze headed guide bush, tight fit - B1B



**Descrizione:**

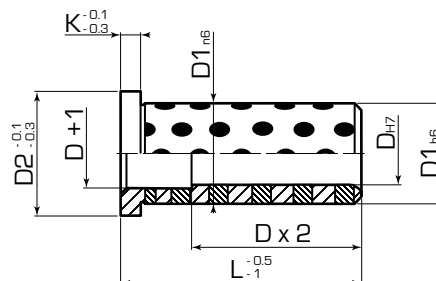
Esempio di ordinativo: R0199-03-0001  
Materiale: Bronzo

**Description:**

Example of purchasing order: R0199-03-0001  
Material: Bronze

Codice Code	D	D1	D2	K	L																
					22	26	36	46	56	66	76	86	96	106	116	126	136	146	156	176	196
R0199-03	16	22	26	5	0001	0002	0003	0004	0005	0006	0007	0008	0009								
R0199-03	18	26	30	5	0010	0011	0012	0013	0014	0015	0016	0017	0018								
R0199-03	20	28	32	6	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030					
R0199-03	20	30	34	6	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042					
R0199-03	25	34	38	7		0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054				
R0199-03	25	36	40	7		0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066				
R0199-03	32	40	45	7			0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078			
R0199-03	40	48	52	8			0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090			
R0199-03	50	60	65	10							0091	0092	0093	0094	0095	0096	0097	0098	0099		
R0199-03	60	74	84	12									0100	0101	0102	0103		0104	0105	0106	0107

## R0530 Bussola guida con collare in bronzo/grafite - B1BG Guide bush with collar, bronze/graphite - B1BG



### Descrizione:

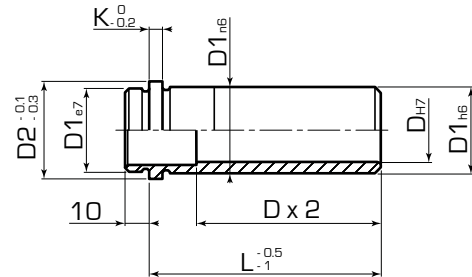
Esempio di ordinativo: R0530-03-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0530-03-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	K	L																
					22	26	36	46	56	66	76	86	96	106	116	126	136	146	156	176	196
R0530-03	12	18	22	5	0001	0002	0003	0004	0005												
R0530-03	14	20	24	5	0006	0007	0008	0009	0010	0011											
R0530-03	16	22	26	5	0012	0013	0014	0015	0016	0017	0018	0019	0020								
R0530-03	18	25	30	5	0021	0022	0023	0024	0025	0026	0027	0028	0029								
R0530-03	20	28	32	6	0030	0032	0034	0036	0038	0040	0042	0044	0046	0048	0050	0052					
R0530-03	20	30	34	6	0031	0033	0035	0037	0039	0041	0043	0045	0047	0049	0051	0053					
R0530-03	25	34	38	7		0054	0056	0058	0060	0062	0064	0066	0068	0070	0072	0074					
R0530-03	25	36	40	7		0055	0057	0059	0061	0063	0065	0067	0069	0071	0073	0075					
R0530-03	32	40	45	7		0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088			
R0530-03	40	48	52	8			0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100			
R0530-03	50	60	65	10							0101	0102	0103	0104	0105	0106	0107	0108	0109		
R0530-03	60	74	84	12									0110	0111	0112	0113		0114	0115	0116	0117

**R0200** Bussola guida con collare spallata con forzatura - B1S  
Guide bush with centring collar, tight fit - B1S



**Descrizione:**

Esempio di ordinativo: R0200-03-0001  
Materiale: 1.7131 ≈60 HRC

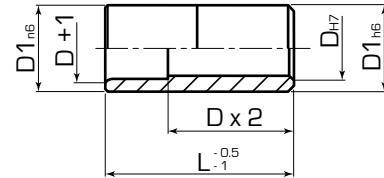
**Description:**

Example of purchasing order: R0200-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	K	L											
					26	36	46	56	66	76	86	96	106	116	126	146
R0200-03	16	22	26	5	0001	0002	0003	0004	0005	0006	0007	0008	0009			
R0200-03	20	28	32	6	0010	0011	0012	0013	0014	0015	0016	0017	0018			
R0200-03	20	30	34	6	0019	0020	0021	0022	0023	0024	0025	0026	0027			
R0200-03	25	34	38	7	0028	0029	0030	0031		0032	0033	0034	0035			
R0200-03	25	36	40	7	0036	0037	0038	0039		0040	0041	0042	0043			
R0200-03	32	40	45	7		0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054
R0200-03	40	48	52	8			0055	0056	0057	0058	0059	0060	0061	0062	0063	0064

## R0202

Bussola guida senza collare - B2  
Guide bush without centring collar - B2



### Descrizione:

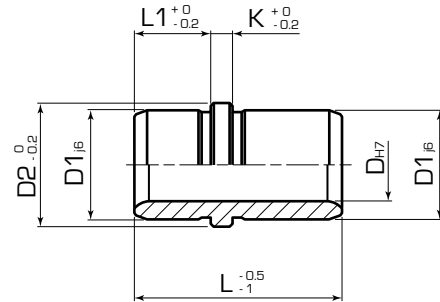
Esempio di ordinativo: R0202-03-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0202-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L										
			22	26	36	46	56	66	76	86	96	106	116
R0202-03	12	18	0001	0002	0003	0004	0005						
R0202-03	14	20	0006	0007	0008	0009	0010	0011					
R0202-03	16	22	0012	0013	0014	0015	0016	0017	0018	0019	0020		
R0202-03	18	26	0021	0022	0023	0024	0025	0026	0027	0028	0029		
R0202-03	20	28		0030	0031	0032	0033	0034	0035	0036	0037		
R0202-03	20	30		0038	0039	0040	0041	0042	0043	0044	0045		
R0202-03	25	34		0046	0047	0048	0049	0050	0051	0052	0053	0054	0055
R0202-03	25	36		0056	0057	0058	0059	0060	0061	0062	0063	0064	0065
R0202-03	32	40		0066	0067	0068	0069	0070	0071	0072	0073	0074	0075
R0202-03	40	48				0076	0077	0078	0079	0080	0081	0082	0083

**R0203** Bussola guida con collare spallata - B3  
Guide bush with centring collar - B3



**Descrizione:**

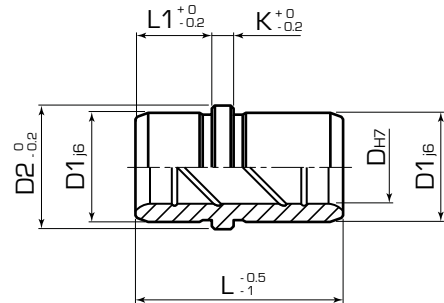
Esempio di ordinativo: R0203-03-0001  
Materiale: 1.7131 ≈60 HRC

**Description:**

Example of purchasing order: R0203-03-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	D2	L1	K	L							
						32	40	50	65	70	80	90	
R0203-03	12	18	22	16	5	0001	0002						
R0203-03	14	20	24	16	5	0003	0004						
R0203-03	16	22	26	16	5	0005	0006						
R0203-03	18	26	30	16	5	0007	0008						
R0203-03	20	28	32	16	6	0009	0010						
R0203-03	20	30	34	16	6	0011	0012						
R0203-03	25	34	38	16	7	0013	0014						
R0203-03	25	36	40	16	7	0015	0016						
R0203-03	32	40	45	25	7			0017	0018				
R0203-03	40	48	52	32	8			0019		0020			
R0203-03	50	60	65	32	10					0021		0022	

## R0204 Bussola guida con collare spallata in bronzo - B3B Bronze guide bush with centring collar - B3B



### Descrizione:

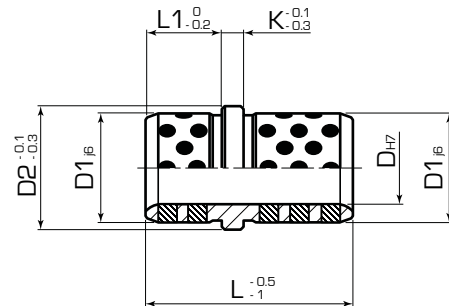
Esempio di ordinativo: R0204-03-0001  
Materiale: Bronzo

### Description:

Example of purchasing order: R0204-03-0001  
Material: Bronze

Codice Code	D	D1	D2	L1	K	L							
						32	40	50	65	70	80	90	
R0204-03	12	18	22	16	5	0001	0002						
R0204-03	14	20	24	16	5	0003	0004						
R0204-03	16	22	26	16	5	0005	0006						
R0204-03	18	26	30	16	5	0007	0008						
R0204-03	20	28	32	16	6	0009	0010						
R0204-03	20	30	34	16	6	0011	0012						
R0204-03	25	34	38	16	7	0013	0014						
R0204-03	25	36	40	16	7	0015	0016						
R0204-03	32	40	45	25	7			0017	0018				
R0204-03	40	48	52	32	8			0019		0020			
R0204-03	50	60	65	32	10					0021		0022	

**R0531** Bussola guida con collare spallata in bronzo/grafite - B3BG  
Guide bush with centring collar, bronze/graphite - B3BG



**Descrizione:**

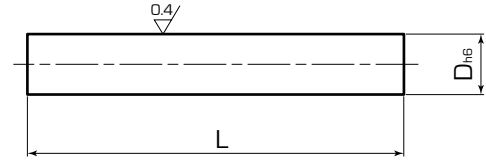
Esempio di ordinativo: R0531-03-0001  
Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: R0531-03-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	L1	K	L							
						32	40	50	65	70	80	90	
R0531-03	12	18	22	16	5	0001	0002						
R0531-03	14	20	24	16	5	0003	0004						
R0531-03	16	22	26	16	5	0005	0006						
R0531-03	18	26	30	16	5	0007	0008						
R0531-03	20	28	32	16	6	0009	0011						
R0531-03	20	30	34	16	6	0010	0012						
R0531-03	25	34	38	16	7	0013	0015						
R0531-03	25	36	40	16	7	0014	0016						
R0531-03	32	40	45	25	7			0017	0018				
R0531-03	40	48	52	32	8			0019		0020			
R0531-03	50	60	65	32	10					0021		0022	

**R0219** Barra temprata e rettificata - BRT  
Grinded and hardened bar - BRT



**Descrizione:**

Materiale: CF 53  
Durezza: HRC 62-64  
Trattamento termico: Tempra a induzione  
Profondità tempra: Ø4 - 20 = 0.8 - 1.8 mm  
Ø30 - 50 = 2 - 2.5 mm  
Ø60 - 100 = 2.8 - 3.5 mm

**Description:**

Material: CF 53  
Hardness: HRC 62-64  
Heat treatment: Induction hardening  
Hardening depth: Ø4 - 20 = 0.8 - 1.8 mm  
Ø30 - 50 = 2 - 2.5 mm  
Ø60 - 100 = 2.8 - 3.5 mm

Codice Code	D	L
R0219-03-0001	4	1000
R0219-03-0002	5	1000
R0219-03-0003	6	1000
R0219-03-0004	8	1000
R0219-03-0005	10	1000
R0219-03-0006	12	1000
R0219-03-0007	14	1000
R0219-03-0008	15	1000
R0219-03-0009	16	1000
R0219-03-0010	18	1000
R0219-03-0011	20	1000
R0219-03-0012	22	1000
R0219-03-0013	24	1000
R0219-03-0014	25	1000
R0219-03-0015	28	1000
R0219-03-0016	30	1000
R0219-03-0017	32	1000
R0219-03-0018	35	1000
R0219-03-0019	40	1000
R0219-03-0020	45	1000
R0219-03-0021	50	1000
R0219-03-0022	60	1000
R0219-03-0023	70	1000
R0219-03-0024	80	1000
R0219-03-0025	100	1000



# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

























**NORMALIZZATI LAMIERA**  
**STANDARD PARTS FOR DIE SETS**


























**Ranco**







# INDICE INDEX

<b>PUNZONI PUNCHES</b>			
<b>R0173</b>		<b>Punzone testa conica forma DA - DIN9861- WS</b> Conical head punch type DA - DIN9861- WS	<b>7</b>
<b>R0174</b>		<b>Punzone testa svasata forma DA - DIN9861- HSS</b> Conical head punch type DA - DIN9861- HSS	<b>13</b>
<b>R0542</b>		<b>Punzone testa svasata forma DA - DIN9861- HWS</b> Conical head punch type DA - DIN9861- HWS	<b>17</b>
<b>R0175</b>		<b>Punzone collo di trombone - PDT</b> Bottle-neck punch - PDT	<b>21</b>
<b>R0183</b>		<b>Punzone press fit sbozzato - Solido - RSB</b> Blank press fit punch - Solid - RSB	<b>23</b>
<b>R0604</b>		<b>Punzone press fit sbozzato con espulsore - RCB</b> Blank press fit punch with ejector - RCB	<b>24</b>
<b>R0186</b>		<b>Punzone press fit ribassato - RS_</b> Stepped press fit punch - RS_	<b>25</b>
<b>R0187</b>		<b>Punzone press fit ribassato con espulsore - RC_</b> Stepped press fit punch with ejector - RC_	<b>26</b>
<b>R0676</b>		<b>Punzone pilota con testa per centraggio accurato - APA</b> Press fit positive pick-up pilot punch - APA	<b>27</b>
<b>R0677</b>		<b>Punzone pilota con testa - APT</b> Press fit pilot punch - APT	<b>28</b>
<b>MATRICI, BUSSOLE PER PUNZONI DIES, BUSHES FOR PUNCHES</b>			
<b>R0176</b>		<b>Matrice DIN 9845 tipo A corta liscia - MAC</b> Die DIN 9845 type A short smooth - MAC	<b>29</b>
<b>R0605</b>		<b>Matrice DIN 9845 tipo A lunga liscia - MAL</b> Die DIN 9845 type A long smooth - MAL	<b>31</b>
<b>R0177</b>		<b>Matrice DIN 9845 tipo B corta con collare - MBC</b> Die DIN 9845 type B short with head - MBC	<b>33</b>
<b>R0606</b>		<b>Matrice DIN 9845 tipo B lunga con collare - MBL</b> Die DIN 9845 type B long with head - MBL	<b>35</b>
<b>R0179</b>		<b>Matrice con preforo ISO 8977A - RAISO8977A</b> Pre-bored die ISO 8977A - RAISO8977A	<b>37</b>
<b>R0180</b>		<b>Matrice con preforo ISO 8977B - RAISO8977B</b> Pre-bored die ISO 8977B - RAISO8977B	<b>38</b>
<b>R0184</b>		<b>Matrice sbozzata senza scarico - RUB</b> Button blank press fit with straight thru hole - RUB	<b>39</b>
<b>R0607</b>		<b>Matrice sbozzata senza scarico con collare - RMB</b> Headed button blank press fit with straight thru hole - RMB	<b>40</b>
<b>R0185</b>		<b>Matrice sbozzata con scarico - RDB</b> Button blank press fit with counter bore relief - RDB	<b>41</b>
<b>R0608</b>		<b>Matrice sbozzata con scarico con collare - RIB</b> Headed button blank press fit with counter bore relief - RIB	<b>42</b>
<b>R0188</b>		<b>Matrice press fit liscia - RD_</b> Press fit button counter bore relief - RD_	<b>43</b>
<b>R0189</b>		<b>Matrice press fit con testa - RI_</b> Shoulder button counter bore relief - RI_	<b>44</b>
<b>R0679</b>		<b>Porta-Punzoni con testa tipo ART</b> Headed punch retainers type ART	<b>45</b>
<b>R0680</b>		<b>Porta-Punzoni con testa tipo ARTS</b> Headed punch retainers type ARTS	<b>46</b>

# INDICE INDEX

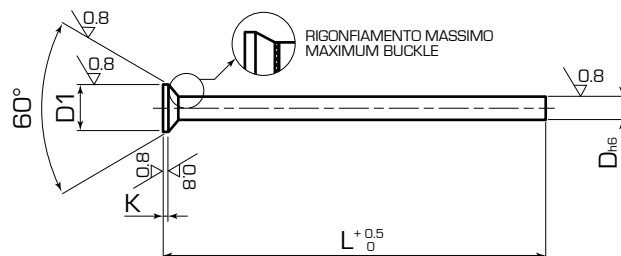
R0681		Porta-Punzoni con testa tipo ARTF Headed punch retainers type ARTF	47
R0682		Porta-Punzoni con testa tipo ARTFS Headed punch retainers type ARTFS	48
R0683		Porta-Punzoni con testa tipo ORT Headed punch retainers type ORT	49
R0684		Porta-Punzoni con testa tipo ORTS Headed punch retainers type ORTS	50
R0685		Porta-Punzoni con testa tipo ERTX Headed punch retainers type ERTX	51
R0181		Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172	52
R0182		Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179	58
R0178		Bussola guida punzone DIN 9845C - BDIN9845C Punch guide bush DIN 9845C - BDIN9845C	63
<b>VITI, GRANI SCREWS, PLUNGERS</b>			
R0162		Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI	64
R0163		Vite a testa cilindrica bassa con esagono incassato (UNI9327, DIN7984) - VTCEIB Cylindrical low head screw with hexagon socket (UNI9327, DIN7984) - VTCEIB	66
R0164		Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI	67
R0160		Vite a colletto con gambo rettificato esagono incassato - VGR Shouldered screw with ground shaft and hexagon socket - VGR	69
R0161		Vite a colletto con distanziale rettificato - VGRD Shouldered screw with ground spacer - VGRD	70
R0165		Grani (UNI5923, DIN913) - GR Hexagon socket set screws (UNI5923, DIN913) - GR	71
R0166		Grani a sfera - GRSF Ball spring plungers - GRSF	73
R0167		Grani a sfera con esagono incassato - GRSF ES Hex-socket ball spring plungers - GRSF ES	73
<b>POSIZIONATORI SPRING PLUNGERS</b>			
R0194		Posizionatore esecuzione liscia Smooth spring plunger	74
R0190		Posizionatore con esagono incassato Spring plunger with hexagon socket	75
R0191		Cacciavite per posizionatore R0190 Screwdriver for spring plunger R0190	76
R0192		Espulsore esecuzione liscia Smooth spring ejector	77
R0193		Espulsore esecuzione lunga Long spring ejector	78
<b>SPINE CILINDRICHE DOWEL PINS</b>			
R0157		Spina cilindrica (DIN6325, UNI6364A) - SC Dowel pin (DIN6325, UNI6364A) - SC	79
R0158		Spina cilindrica con foro filettato (DIN7979, UNI6364B) - SCF Dowel pin with threaded hole (DIN7979, UNI6364B) - SCF	81

# INDICE INDEX

ACCESSORI ACCESSORIES			
R0672		Caratteri normali a filo continuo Standard characters complete figure	82
R0673		Caratteri normali Micro-Stress Standard characters Micro-Stress	83
R0675		Spaziatori Spacers	84
R0706		Estrattore per spine cilindriche Slide hammer kit	85



## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

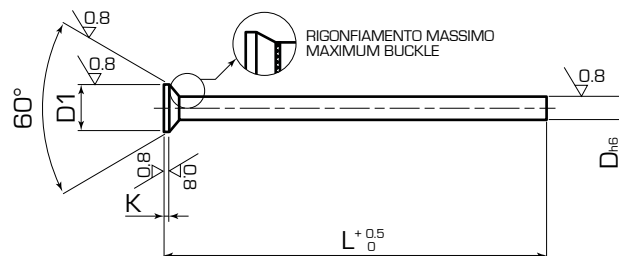
### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L							
				71	80	100	125	160	200	250	
R0173-02	0.5	0.9	0.3	0001	0002	0003					
R0173-02	0.6	1.1	0.3	0004	0005	0006					
R0173-02	0.7	1.3	0.4	0007	0008	0009					
R0173-02	0.75	1.3	0.4	0010	0011	0012					
R0173-02	0.8	1.4	0.5	0013	0014	0015					
R0173-02	0.9	1.6	0.5	0016	0017	0018					
R0173-02	1	1.8	0.5	0019	0020	0021	0022	0023	0024		
R0173-02	1.1	1.8	0.5	0025	0026	0027	0028	0029	0030		
R0173-02	1.2	2	0.5	0031	0032	0033	0034	0035	0036		
R0173-02	1.25	2	0.5	0037	0038	0039	0040	0041	0042		
R0173-02	1.3	2	0.5	0043	0044	0045	0046	0047	0048		
R0173-02	1.4	2.2	0.6	0049	0050	0051	0052	0053	0054		
R0173-02	1.5	2.2	0.6	0055	0056	0057	0058	0059	0060		
R0173-02	1.6	2.5	0.6	0061	0062	0063	0064	0065	0066		
R0173-02	1.7	2.5	0.6	0067	0068	0069	0070	0071	0072		
R0173-02	1.75	2.8	0.6	0073	0074	0075	0076	0077	0078		
R0173-02	1.8	2.8	0.6	0079	0080	0081	0082	0083	0084		
R0173-02	1.9	2.8	0.6	0085	0086	0087	0088	0089	0090		
R0173-02	2	3	0.7	0091	0092	0093	0094	0095	0096	0097	
R0173-02	2.1	3.2	0.7	0098	0099	0100	0101	0102	0104	0105	
R0173-02	2.2	3.2	0.7	0106	0107	0108	0109	0110	0111	0112	
R0173-02	2.25	3.5	0.8	0113	0114	0115	0116	0117	0118	0119	
R0173-02	2.3	3.5	0.8	0120	0121	0122	0123	0124	0125	0126	
R0173-02	2.4	3.5	0.8	0127	0128	0129	0130	0131	0132	0133	
R0173-02	2.5	3.5	0.8	0134	0135	0136	0137	0138	0139	0140	
R0173-02	2.6	4	0.8	0141	0142	0143	0144	0145	0146	0147	
R0173-02	2.7	4	0.8	0148	0149	0150	0151	0152	0153	0154	
R0173-02	2.75	4	0.8	0155	0156	0157	0158	0159	0160	0161	
R0173-02	2.8	4	0.8	0162	0163	0164	0165	0166	0167	0168	
R0173-02	2.9	4	0.8	0169	0170	0171	0172	0173	0174	0175	
R0173-02	3	4.5	0.8	0176	0177	0178	0179	0180	0181	0182	
R0173-02	3.1	4.5	0.8	0183	0184	0185	0186	0187	0188	0189	
R0173-02	3.2	4.5	0.8	0190	0191	0192	0193	0194	0195	0196	
R0173-02	3.25	4.5	0.8	0197	0198	0199	0200	0201	0202	0203	
R0173-02	3.3	4.5	0.8	0204	0205	0206	0207	0208	0209	0210	
R0173-02	3.4	4.5	0.8	0211	0212	0213	0214	0215	0216	0217	
R0173-02	3.5	5	0.8	0218	0219	0220	0221	0222	0223	0224	
R0173-02	3.6	5	0.8	0225	0226	0227	0228	0229	0230	0231	
R0173-02	3.7	5	0.8	0232	0233	0234	0235	0236	0237	0238	
R0173-02	3.75	5	0.8	0239	0240	0241	0242	0243	0244	0245	



## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

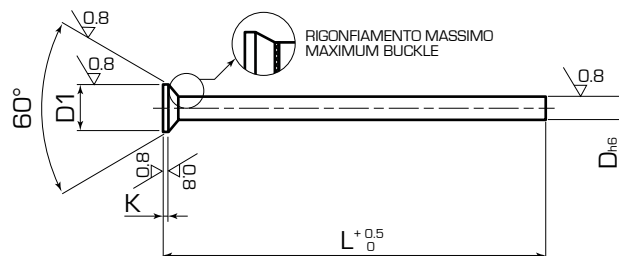
Esempio di ordinativo: **R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

Example of purchasing order: **R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	3.8	5	0.8	0246	0247	0248	0249	0250	0251	0252
R0173-02	3.9	5	0.8	0253	0254	0255	0256	0257	0258	0259
R0173-02	4	5.5	0.8	0260	0261	0262	0263	0264	0265	0266
R0173-02	4.1	5.5	0.8	0267	0268	0269	0270	0271	0272	0273
R0173-02	4.2	5.5	0.8	0274	0275	0276	0277	0278	0279	0280
R0173-02	4.25	5.5	0.8	0281	0282	0283	0284	0285	0286	0287
R0173-02	4.3	5.5	0.8	0288	0289	0290	0291	0292	0293	0294
R0173-02	4.4	5.5	0.8	0295	0296	0297	0298	0299	0300	0301
R0173-02	4.5	6	0.8	0302	0303	0304	0305	0306	0307	0308
R0173-02	4.6	6	0.8	0309	0310	0311	0312	0313	0314	0315
R0173-02	4.7	6	0.8	0316	0317	0318	0319	0320	0321	0322
R0173-02	4.75	6	0.8	0323	0324	0325	0326	0327	0328	0329
R0173-02	4.8	6	0.8	0330	0331	0332	0333	0334	0335	0336
R0173-02	4.9	6	0.8	0337	0338	0339	0340	0341	0342	0343
R0173-02	5	6.5	0.8	0344	0345	0346	0347	0348	0349	0350
R0173-02	5.1	6.5	0.8	0351	0352	0353	0354	0355	0356	0357
R0173-02	5.2	6.5	0.8	0358	0359	0360	0361	0362	0363	0364
R0173-02	5.25	6.5	0.8	0365	0366	0367	0368	0369	0370	0371
R0173-02	5.3	6.5	0.8	0372	0373	0374	0375	0376	0377	0378
R0173-02	5.4	6.5	0.8	0379	0380	0381	0382	0383	0384	0385
R0173-02	5.5	7	0.8	0386	0387	0388	0389	0390	0391	0392
R0173-02	5.6	7	0.8	0393	0394	0395	396	0397	0398	0399
R0173-02	5.7	7	0.8	0400	0401	0402	0403	0404	0405	0406
R0173-02	5.75	7	0.8	0407	0408	0409	0410	0411	0412	0413
R0173-02	5.8	7	0.8	0414	0415	0416	0417	0418	0419	0420
R0173-02	5.9	7	0.8	0421	0422	0423	0424	0425	0426	0427
R0173-02	6	8	0.8	0428	0429	0430	0431	0432	0433	0434
R0173-02	6.1	8	0.8	0435	0436	0437	0438	0439	0440	0441
R0173-02	6.2	8	0.8	0442	0443	0444	0445	0446	0447	0448
R0173-02	6.25	8	0.8	0449	0450	0451	0452	0453	0454	0455
R0173-02	6.3	8	0.8	0456	0457	0458	0459	0460	0461	0462
R0173-02	6.4	8	0.8	0463	0464	0465	0466	0467	0467	0468
R0173-02	6.5	9	1	0470	0471	0472	0473	0474	0475	0476
R0173-02	6.6	9	1	0477	0478	0479	0480	0481	0482	0483
R0173-02	6.7	9	1	0484	0485	0486	0487	0488	0489	0490
R0173-02	6.75	9	1	0491	0492	0493	0494	0495	0496	0497
R0173-02	6.8	9	1	0498	0499	0500	0501	0502	0503	0504
R0173-02	6.9	9	1	0505	0506	0507	0508	0509	0511	0512
R0173-02	7	9	1	0512	0513	0514	0515	0516	0517	0518
R0173-02	7.1	9	1	0519	0520	0521	0522	0523	0524	0525

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

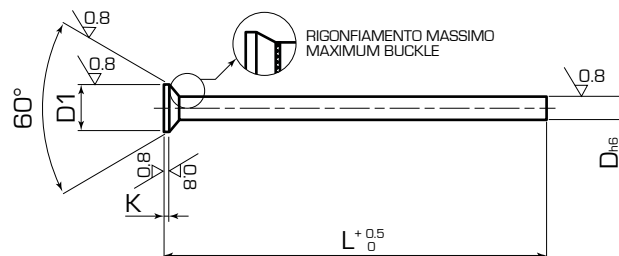
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	7.2	9	1	0526	0527	0528	0529	0530	0531	0532
R0173-02	7.25	9	1	0533	0534	0535	0536	0537	0538	0539
R0173-02	7.3	9	1	0540	0541	0542	0543	0544	0545	0546
R0173-02	7.4	9	1	0547	0548	0549	0550	0551	0552	0553
R0173-02	7.5	10	1.2	0554	0555	0556	0557	0558	0559	0560
R0173-02	7.6	10	1.2	0561	0562	0563	0564	0565	0566	0567
R0173-02	7.7	10	1.2	0568	0569	0570	0571	0572	0573	0574
R0173-02	7.75	10	1.2	0575	0576	0577	0578	0579	0580	0581
R0173-02	7.8	10	1.2	0582	0583	0584	0585	0586	0587	0588
R0173-02	7.9	10	1.2	0589	0590	0591	0592	0593	0594	0595
R0173-02	8	10	1.2	0596	0597	0598	0599	0600	0601	0602
R0173-02	8.1	10	1.2	0603	0604	0605	0606	0607	0608	0609
R0173-02	8.2	10	1.2	0610	0611	0612	0613	0614	0615	0616
R0173-02	8.25	10	1.2	0617	0618	0619	0620	0621	0622	0623
R0173-02	8.3	10	1.2	0624	0625	0626	0627	0628	0629	0630
R0173-02	8.4	10	1.2	0631	0632	0633	0634	0635	0636	0637
R0173-02	8.5	11	1.2	0638	0639	0640	0641	0642	0643	0644
R0173-02	8.6	11	1.2	0645	0646	0647	0648	0649	0650	0651
R0173-02	8.7	11	1.2	0652	0653	0654	0655	0656	0657	0658
R0173-02	8.75	11	1.2	0659	0660	0661	0662	0663	0664	0665
R0173-02	8.8	11	1.2	0666	0667	0668	0669	0670	0671	0672
R0173-02	8.9	1	1.2	0673	0674	0675	0676	0677	0678	0679
R0173-02	9	11	1.2	0680	0681	0682	0683	0684	0685	0686
R0173-02	9.1	11	1.2	0687	0688	0689	0690	0691	0692	0693
R0173-02	9.2	11	1.2	0694	0695	0696	0697	0698	0699	0700
R0173-02	9.25	11	1.2	0701	0702	0703	0704	0705	0706	0707
R0173-02	9.3	11	1.2	0708	0709	0710	0711	0712	0713	0714
R0173-02	9.4	11	1.2	0715	0716	0717	0718	0719	0720	0721
R0173-02	9.5	12	1.2	0722	0723	0724	0725	0726	0727	0728
R0173-02	9.6	12	1.2	0729	0730	0731	0732	0733	0734	0735
R0173-02	9.7	12	1.2	0736	0737	0738	0739	0740	0741	0742
R0173-02	9.75	12	1.2	0743	0744	0745	0746	0747	0748	0749
R0173-02	9.8	12	1.2	0750	0751	0752	0753	0754	0755	0756
R0173-02	9.9	12	1.2	0757	0758	0759	0760	0761	0762	0763
R0173-02	10	12	1.2	0764	0765	0766	0767	0768	0769	0770
R0173-02	10.1	12	1.2	0771	0772	0773	0774	0775	0776	0777
R0173-02	10.2	12	1.2	0778	0779	0780	0781	0782	0783	0784
R0173-02	10.25	12	1.2	0785	0786	0787	0788	0789	0790	0791
R0173-02	10.3	12	1.2	0792	0793	0794	0795	0796	0797	0798
R0173-02	10.4	12	1.2	0799	0800	0801	0802	0803	0804	0805

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

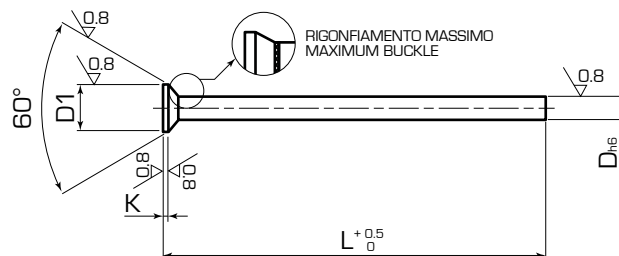
Esempio di ordinativo: **R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

Example of purchasing order: **R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	10.5	13	1.2	0806	0807	0808	0809	0810	0811	0812
R0173-02	10.6	13	1.2	0813	0814	0815	0816	0817	0818	0819
R0173-02	10.7	13	1.2	0820	0821	0822	0823	0824	0825	0826
R0173-02	10.75	13	1.2	0827	0828	0829	0830	0831	0832	0833
R0173-02	10.8	13	1.2	0834	0835	0836	0837	0838	0839	0840
R0173-02	10.9	13	1.2	0841	0842	0843	0844	0845	0846	0847
R0173-02	11	13	1.2	0848	0849	0850	0851	0852	0853	0854
R0173-02	11.1	13	1.2	0855	0856	0857	0858	0859	0860	0861
R0173-02	11.2	13	1.2	0862	0863	0864	0865	0866	0867	0868
R0173-02	11.25	13	1.2	0869	0870	0871	0872	0873	0874	0875
R0173-02	11.3	13	1.2	0876	0877	0878	0879	0880	0881	0882
R0173-02	11.4	13	1.2	0883	0884	0885	0886	0887	0888	0889
R0173-02	11.5	14	1.2	0890	0891	0892	0893	0894	0895	0896
R0173-02	11.6	14	1.2	0897	0898	0899	0900	0901	0902	0903
R0173-02	11.7	14	1.2	0904	0905	0906	0907	0908	0909	0910
R0173-02	11.75	14	1.2	0911	0912	0913	0914	0915	0916	0917
R0173-02	11.8	14	1.2	0918	0919	0920	0921	0922	0923	0924
R0173-02	11.9	14	1.2	0925	0926	0927	0928	0929	0930	0931
R0173-02	12	14	1.2	0932	0933	0934	0935	0936	0937	0938
R0173-02	12.1	14	1.2	0939	0940	0941	0942	0943	0944	0945
R0173-02	12.2	14	1.2	0946	0947	0948	0949	0950	0951	0952
R0173-02	12.25	14	1.2	0953	0954	0955	0956	0957	0958	0959
R0173-02	12.3	14	1.2	0960	0961	0962	0963	0964	0965	0966
R0173-02	12.4	14	1.2	0967	0968	0969	0970	0971	0972	0973
R0173-02	12.5	15	1.5	0974	0975	0976	0977	0978	0979	0980
R0173-02	12.6	15	1.5	0981	0982	0983	0984	0985	0986	0987
R0173-02	12.7	15	1.5	0988	0989	0990	0991	0992	0993	0994
R0173-02	12.8	15	1.5	0995	0996	0997	0998	0999	1000	1001
R0173-02	12.9	15	1.5	1002	1003	1004	1005	1006	1007	1008
R0173-02	13	15	1.5	1009	1010	1011	1012	1013	1014	1015
R0173-02	13.1	15	1.5	1016	1017	1018	1019	1020	1021	1022
R0173-02	13.2	15	1.5	1023	1024	1025	1026	1027	1028	1029
R0173-02	13.3	15	1.5	1030	1031	1032	1033	1034	1035	1036
R0173-02	13.4	15	1.5	1037	1038	1039	1040	1041	1042	1043
R0173-02	13.5	16	1.5	1044	1045	1046	1047	1048	1049	1050
R0173-02	13.6	16	1.5	1051	1052	1053	1054	1055	1056	1057
R0173-02	13.7	16	1.5	1058	1059	1060	1061	1062	1063	1064
R0173-02	13.8	16	1.5	1065	1066	1067	1068	1069	1070	1071
R0173-02	13.9	16	1.5	1072	1073	1074	1075	1076	1077	1078
R0173-02	14	16	1.5	1079	1080	1081	1082	1083	1084	1085

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

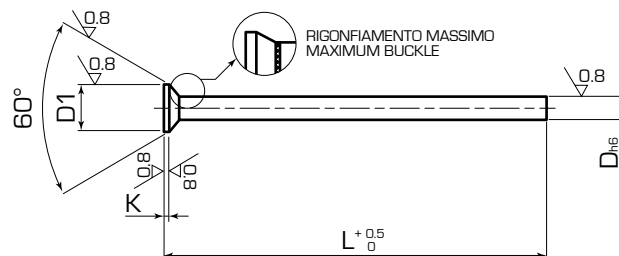
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	14.1	16	1.5	1086	1087	1088	1089	1090	1091	1092
R0173-02	14.2	16	1.5	1093	1094	1095	1096	1097	1098	1099
R0173-02	14.3	16	1.5	1100	1101	1102	1103	1104	1105	1106
R0173-02	14.4	16	1.5	1107	1108	1109	1110	1111	1112	1113
R0173-02	14.5	17	1.5	1114	1115	1116	1117	1118	1119	1120
R0173-02	14.6	17	1.5	1121	1122	1123	1124	1125	1126	1127
R0173-02	14.7	17	1.5	1128	1129	1130	1131	1132	1133	1134
R0173-02	14.8	17	1.5	1135	1136	1137	1138	1139	1140	1141
R0173-02	14.9	17	1.5	1142	1143	1144	1145	1146	1147	1148
R0173-02	15	18	1.8	1149	1150	1151	1152	1153	1154	1155
R0173-02	15.1	18	1.8	1156	1157	1158	1159	1160	1161	1162
R0173-02	15.2	18	1.8	1163	1164	1165	1166	1167	1168	1169
R0173-02	15.3	18	1.8	1170	1171	1172	1173	1174	1175	1176
R0173-02	15.4	18	1.8	1177	1178	1179	1180	1181	1182	1183
R0173-02	15.5	18	1.8	1184	1185	1186	1187	1188	1189	1190
R0173-02	15.6	18	1.8	1191	1192	1193	1194	1195	1196	1197
R0173-02	15.7	18	1.8	1198	1199	1200	1201	1202	1203	1204
R0173-02	15.8	18	1.8	1205	1206	1207	1208	1209	1210	1211
R0173-02	15.9	18	1.8	1212	1213	1214	1215	1216	1217	1218
R0173-02	16	19	1.8	1219	1220	1221	1222	1223	1224	1225
R0173-02	16.1	19	1.8	1226	1227	1228	1229	1230	1231	1232
R0173-02	16.2	19	1.8	1233	1234	1235	1236	1237	1238	1239
R0173-02	16.3	19	1.8	1240	1241	1242	1243	1244	1245	1246
R0173-02	16.3	19	1.8	1247	1248	1249	1250	1251	1252	1253
R0173-02	16.5	19	1.8	1254	1255	1256	1567	1258	1259	1260
R0173-02	16.6	19	1.8	1261	1262	1263	1264	1265	1266	1267
R0173-02	16.7	19	1.8	1268	1269	1270	1271	1272	1273	1274
R0173-02	16.8	19	1.8	1275	1276	1277	1278	1279	1280	1281
R0173-02	16.9	19	1.8	1282	1283	1284	1285	1286	1287	1288
R0173-02	17	20	1.8	1289	1290	1291	1292	1293	1294	1295
R0173-02	17.1	20	1.8	1296	1297	1298	1299	1300	1301	1302
R0173-02	17.2	20	1.8	1303	1304	1305	1306	1307	1308	1309
R0173-02	17.3	20	1.8	1310	1311	1312	1313	1314	1315	1316
R0173-02	17.4	20	1.8	1317	1318	1319	1320	1321	1322	1323
R0173-02	17.5	20	1.8	1324	1325	1326	1327	1328	1329	1330
R0173-02	17.6	20	1.8	1331	1332	1333	1334	1335	1336	1337
R0173-02	17.7	20	1.8	1338	1339	1340	1341	1342	1343	1344
R0173-02	17.8	20	1.8	1345	1346	1347	1348	1349	1350	1351
R0173-02	17.9	20	1.8	1352	1353	1354	1355	1356	1357	1358
R0173-02	18	21	1.8	1359	1360	1361	1362	1363	1364	1365

## R0173 Punzone testa conica forma DA - DIN9861- WS Conical head punch type DA - DIN9861- WS



### Descrizione:

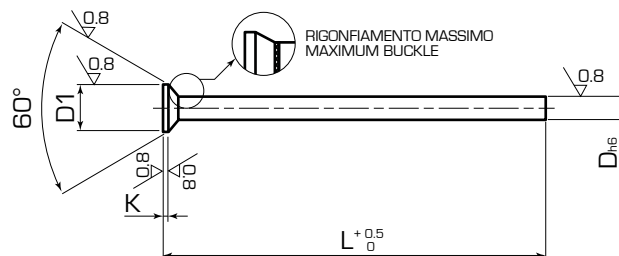
**Esempio di ordinativo: R0173-02-0001**  
 Materiale: 1.2516WS  
 Durezza Gambo: HRC 60-64  
 Durezza Testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0173-02-0001**  
 Material: 1.2516WS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L						
				71	80	100	125	160	200	250
R0173-02	18.1	21	1.8	1366	1367	1368	1369	1370	1371	1372
R0173-02	18.2	21	1.8	1373	1374	1375	1376	1377	1378	1379
R0173-02	18.3	21	1.8	1380	1381	1382	1383	1384	1385	1386
R0173-02	18.4	21	1.8	1387	1388	1389	1390	1391	1392	1393
R0173-02	18.5	21	1.8	1394	1395	1396	1397	1398	1399	1400
R0173-02	18.6	21	1.8	1401	1402	1403	1404	1405	1406	1407
R0173-02	18.7	21	1.8	1408	1409	1410	1411	1412	1413	1414
R0173-02	18.8	21	1.8	1415	1416	1417	1418	1419	1420	1421
R0173-02	18.9	21	1.8	1422	1423	1424	1425	1426	1427	1428
R0173-02	19	22	1.8	1429	1430	1431	1432	1433	1434	1435
R0173-02	19.1	22	1.8	1436	1437	1438	1439	1440	1441	1442
R0173-02	19.2	22	1.8	1443	1444	1445	1446	1447	1448	1449
R0173-02	19.3	22	1.8	1450	1451	1452	1453	1454	1455	1456
R0173-02	19.4	22	1.8	1457	1458	1459	1460	1461	1462	1463
R0173-02	19.5	22	1.8	1464	1465	1466	1467	1468	1469	1470
R0173-02	19.6	22	1.8	1471	1472	1473	1474	1475	1476	1477
R0173-02	19.7	22	1.8	1478	1479	1480	1481	1482	1483	1484
R0173-02	19.8	22	1.8	1485	1486	1487	1488	1489	1490	1491
R0173-02	19.9	22	1.8	1492	1493	1494	1495	1496	1497	1498
R0173-02	20	22	1.8	1499	1500	1501	1502	1503	1504	1505

## R0174 Punzone testa svasata forma DA - DIN9861- HSS Conical head punch type DA - DIN9861- HSS



### Descrizione:

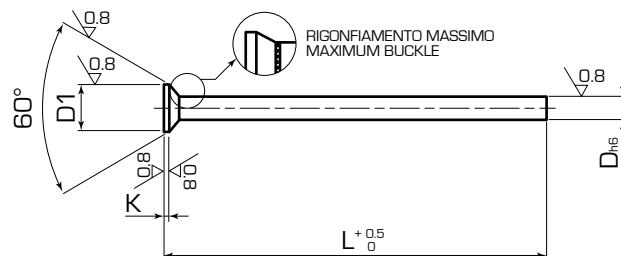
**Esempio di ordinativo: R0174-02-0001**  
 Materiale: 1.3343HSS  
 Durezza Gambo: HRC 62-64  
 Durezza Testa: HRC 45-55  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0174-02-0001**  
 Material: 1.3343HSS  
 Shaft Hardness: HRC 62-64  
 Head Hardness: HRC 45-55  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0174-02	1	1.8	0.5	0001	0002	0003	0004
R0174-02	1.1	1.8	0.5	0005	0006	0007	0008
R0174-02	1.2	2	0.5	0009	0010	0011	0012
R0174-02	1.25	2	0.5	0013	0014	0015	
R0174-02	1.3	2	0.5	0016	0017	0018	0019
R0174-02	1.4	2.2	0.6	0021	0022	0023	0024
R0174-02	1.5	2.2	0.6	0025	0026	0027	0028
R0174-02	1.6	2.5	0.6	0029	0030	0031	0032
R0174-02	1.7	2.5	0.6	0033	0034	0035	0036
R0174-02	1.75	2.8	0.6	0037	0038	0039	
R0174-02	1.8	2.8	0.6	0040	0041	0042	0043
R0174-02	1.9	2.8	0.6	0044	0045	0046	0047
R0174-02	2	3	0.7	0048	0049	0050	0051
R0174-02	2.1	3.2	0.7	0052	0053	0054	0055
R0174-02	2.2	3.2	0.7	0056	0057	0058	
R0174-02	2.25	3.5	0.8	0059	0060	0061	0062
R0174-02	2.3	3.5	0.8	0063	0064	0065	0066
R0174-02	2.4	3.5	0.8	0067	0068	0069	0070
R0174-02	2.5	3.5	0.8	0071	0072	0073	0074
R0174-02	2.6	4	0.8	0075	0076	0077	0078
R0174-02	2.7	4	0.8	0079	0080	0081	0082
R0174-02	2.75	4	0.8	0083	0084	0085	0086
R0174-02	2.8	4	0.8	0087	0088	0089	0090
R0174-02	2.9	4	0.8	0091	0092	0093	0094
R0174-02	3	4.5	0.8	0095	0096	0097	0098
R0174-02	3.1	4.5	0.8	0099	0100	0101	0102
R0174-02	3.2	4.5	0.8	0103	0104	0105	0106
R0174-02	3.25	4.5	0.8	0108	0109	0110	0111
R0174-02	3.3	4.5	0.8	0112	0113	0114	0115
R0174-02	3.4	4.5	0.8	0116	0117	0118	0119
R0174-02	3.5	5	0.8	0120	0121	0122	0123
R0174-02	3.6	5	0.8	0124	0125	0126	0127
R0174-02	3.7	5	0.8	0128	0129	0130	0131
R0174-02	3.75	5	0.8	0132	0133	0134	0135
R0174-02	3.8	5	0.8	0136	0137	0138	0139
R0174-02	3.9	5	0.8	0140	0141	0142	0143
R0174-02	4	5.5	0.8	0144	0145	0146	0147
R0174-02	4.1	5.5	0.8	0148	0149	0150	0151
R0174-02	4.2	5.5	0.8	0152	0153	0154	0155
R0174-02	4.25	5.5	0.8	0156	0157	0158	0159

## R0174 Punzone testa svasata forma DA - DIN9861- HSS Conical head punch type DA - DIN9861- HSS



### Descrizione:

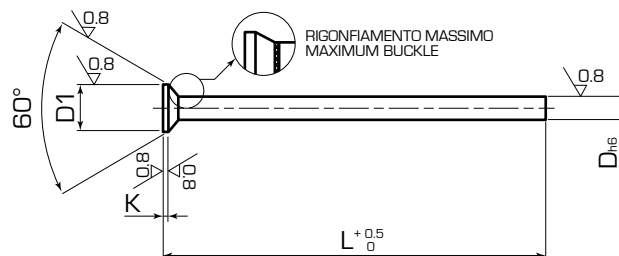
Esempio di ordinativo: **R0174-02-0001**  
 Materiale: 1.3343HSS  
 Durezza Gambo: HRC 62-64  
 Durezza Testa: HRC 45-55  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

Example of purchasing order: **R0174-02-0001**  
 Material: 1.3343HSS  
 Shaft Hardness: HRC 62-64  
 Head Hardness: HRC 45-55  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0174-02	4.3	5.5	0.8	0160	0161	0162	0163
R0174-02	4.4	5.5	0.8	0164	0165	0166	0167
R0174-02	4.5	6	0.8	0168	0169	0170	0171
R0174-02	4.6	6	0.8	0172	0173	0174	0175
R0174-02	4.7	6	0.8	0176	0177	0178	0179
R0174-02	4.75	6	0.8	0180	0181	0182	0183
R0174-02	4.8	6	0.8	0184	0185	0186	0187
R0174-02	4.9	6	0.8	0188	0189	0190	0191
R0174-02	5	6.5	0.8	0192	0193	0194	0195
R0174-02	5.1	6.5	0.8	0196	0197	0198	0199
R0174-02	5.2	6.5	0.8	0200	0201	0202	0203
R0174-02	5.25	6.5	0.8	0204	0205	0206	0207
R0174-02	5.3	6.5	0.8	0208	0209	0210	0211
R0174-02	5.4	6.5	0.8	0212	0213	0214	0215
R0174-02	5.5	7	0.8	0216	0217	0218	0219
R0174-02	5.6	7	0.8	0220	0221	0222	0223
R0174-02	5.7	7	0.8	0224	0225	0226	0227
R0174-02	5.75	7	0.8	0228	0229	0230	0231
R0174-02	5.8	7	0.8	0232	0233	0234	0235
R0174-02	5.9	7	0.8	0236	0237	0238	0239
R0174-02	6	8	0.8	0240	0241	0242	0243
R0174-02	6.1	8	0.8	0244	0245	0246	0247
R0174-02	6.2	8	0.8	0248	0249	0250	0251
R0174-02	6.25	8	0.8	0252	0253	0254	0255
R0174-02	6.3	8	0.8	0256	0257	0258	0259
R0174-02	6.4	8	0.8	0260	0261	0262	0263
R0174-02	6.5	9	1	0264	0265	0266	0267
R0174-02	6.6	9	1	0268	0269	0270	0271
R0174-02	6.7	9	1	0272	0273	0274	0275
R0174-02	6.75	9	1	0276	0277	0278	0279
R0174-02	6.8	9	1	0280	0281	0282	0283
R0174-02	6.9	9	1	0284	0285	0286	0287
R0174-02	7	9	1	0288	0289	0290	0291
R0174-02	7.1	9	1	0292	0293	0294	0295
R0174-02	7.2	9	1	0296	0297	0298	0299
R0174-02	7.25	9	1	0300	0301	0302	0303
R0174-02	7.3	9	1	0304	0305	0306	0307
R0174-02	7.4	9	1	0308	0309	0310	0311
R0174-02	7.5	10	1.2	0312	0313	0314	0315
R0174-02	7.6	10	1.2	0316	0317	0318	0319

## R0174 Punzone testa svasata forma DA - DIN9861- HSS Conical head punch type DA - DIN9861- HSS



### Descrizione:

**Esempio di ordinativo: R0174-02-0001**  
 Materiale: 1.3343HSS  
 Durezza Gambo: HRC 62-64  
 Durezza Testa: HRC 45-55  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

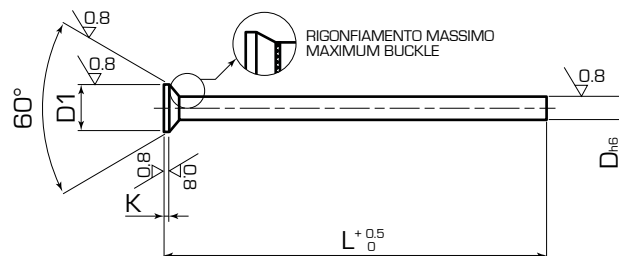
### Description:

**Example of purchasing order: R0174-02-0001**  
 Material: 1.3343HSS  
 Shaft Hardness: HRC 62-64  
 Head Hardness: HRC 45-55  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0174-02	7.7	10	1.2	0320	0321	0322	0323
R0174-02	7.75	10	1.2	0324	0325	0326	0327
R0174-02	7.8	10	1.2	0328	0329	0330	0331
R0174-02	7.9	10	1.2	0332	0333	0334	0335
R0174-02	8	10	1.2	0336	0337	0338	0339
R0174-02	8.1	10	1.2	0340	0341	0342	0343
R0174-02	8.2	10	1.2	0344	0345	0346	0347
R0174-02	8.25	10	1.2	0348	0349	0350	0351
R0174-02	8.3	10	1.2	0352	0353	0354	0355
R0174-02	8.4	10	1.2	0356	0357	0358	0359
R0174-02	8.5	11	1.2	0360	0361	0362	0363
R0174-02	8.6	11	1.2	0364	0365	0366	0367
R0174-02	8.7	11	1.2	0368	0369	0370	0371
R0174-02	8.75	11	1.2	0372	0373	0374	0375
R0174-02	8.8	11	1.2	0376	0377	0378	0379
R0174-02	8.9	11	1.2	0380	0381	0382	0383
R0174-02	9	11	1.2	0384	0385	0386	0387
R0174-02	9.1	11	1.2	0388	0389	0390	0391
R0174-02	9.2	11	1.2	0392	0393	0394	0395
R0174-02	9.25	11	1.2	0396	0397	0398	0399
R0174-02	9.3	11	1.2	0400	0401	0402	0403
R0174-02	9.4	11	1.2	0404	0405	0406	0407
R0174-02	9.5	12	1.2	0408	0409	0410	0411
R0174-02	9.6	12	1.2	0412	0413	0414	0415
R0174-02	9.7	12	1.2	0416	0417	0418	0419
R0174-02	9.75	12	1.2	0420	0421	0422	0423
R0174-02	9.8	12	1.2	0424	0425	0426	0427
R0174-02	9.9	12	1.2	0428	0429	0430	0431
R0174-02	10	12	1.2	0432	0433	0434	0435
R0174-02	10.1	12	1.2	0436	0437	0438	0439
R0174-02	10.2	12	1.2	0440	0441	0442	0443
R0174-02	10.25	12	1.2	0444	0445	0446	0447
R0174-02	10.3	12	1.2	0448	0449	0450	0451
R0174-02	10.4	12	1.2	0452	0453	0454	0455
R0174-02	10.5	13	1.2	0456	0457	0458	0459
R0174-02	10.6	13	1.2	0460	0461	0462	0463
R0174-02	10.7	13	1.2	0464	0465	0466	0467
R0174-02	10.75	13	1.2	0468	0469	0470	0471
R0174-02	10.8	13	1.2	0472	0473	0474	0475
R0174-02	10.9	13	1.2	0476	0477	0478	0479



## R0174 Punzone testa svasata forma DA - DIN9861- HSS Conical head punch type DA - DIN9861- HSS



### Descrizione:

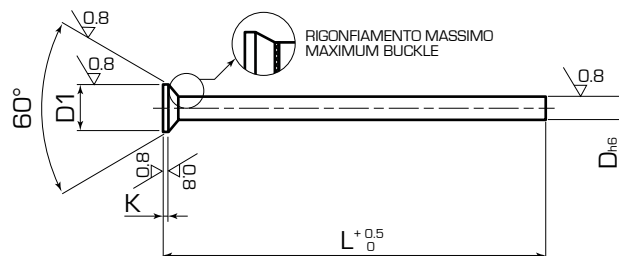
**Esempio di ordinativo: R0174-02-0001**  
 Materiale: 1.3343HSS  
 Durezza Gambo: HRC 62-64  
 Durezza Testa: HRC 45-55  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0174-02-0001**  
 Material: 1.3343HSS  
 Shaft Hardness: HRC 62-64  
 Head Hardness: HRC 45-55  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0174-02	11	13	1.2	0480	0481	0482	0483
R0174-02	11.1	13	1.2	0484	0485	0486	0487
R0174-02	11.2	13	1.2	0488	0489	0490	0491
R0174-02	11.25	13	1.2	0492	0493	0494	0495
R0174-02	11.3	13	1.2	0496	0497	0498	0499
R0174-02	11.4	13	1.2	0500	0501	0502	0503
R0174-02	11.5	14	1.2	0504	0505	0506	0507
R0174-02	11.6	14	1.2	0508	0509	0510	0511
R0174-02	11.7	14	1.2	0512	0513	0514	0515
R0174-02	11.75	14	1.2	0516	0517	0518	0519
R0174-02	11.8	14	1.2	0520	0521	0522	0523
R0174-02	11.9	14	1.2	0524	0525	0526	0527
R0174-02	12	14	1.2	0528	0529	0530	0531
R0174-02	12.1	14	1.2	0532	0533	0534	0535
R0174-02	12.2	14	1.2	0536	0537	0538	0539
R0174-02	12.25	14	1.2	0540	0541	0542	0543
R0174-02	12.3	14	1.2	0544	0545	0546	0547
R0174-02	12.4	14	1.2	0548	0549	0550	0551
R0174-02	12.5	15	1.5	0552	0553	0554	0555
R0174-02	13	15	1.5	0556	0557	0558	0559
R0174-02	13.5	16	1.5	0560	0561	0562	0563
R0174-02	14	16	1.5	0564	0565	0566	0567
R0174-02	14.5	17	1.5	0568	0569	0570	0571
R0174-02	15	18	1.8	0572	0573	0574	0575
R0174-02	15.5	18	1.8	0576	0577	0578	0579
R0174-02	16	19	1.8	0580	0581	0582	0583
R0174-02	16.5	19	1.8	0584	0585	0586	0587
R0174-02	17	20	1.8	0588	0589	0590	0591
R0174-02	17.5	20	1.8	0592	0593	0594	0595
R0174-02	18	21	1.8	0596	0597	0598	0600
R0174-02	18.5	21	1.8	0601	0602	0603	0604
R0174-02	19	22	1.8	0605	0606	0607	0608
R0174-02	19.5	22	1.8	0609	0610	0611	0612
R0174-02	20	22	1.8	0613	0614	0615	0616

## R0542 Punzone testa svasata forma DA - DIN9861- HWS Conical head punch type DA - DIN9861- HWS



### Descrizione:

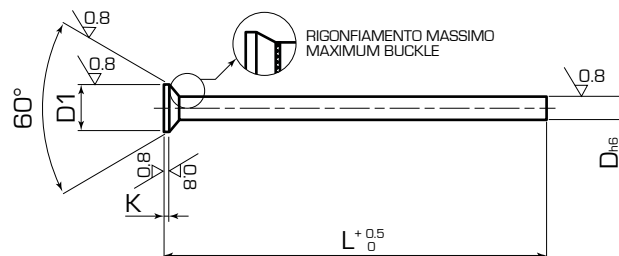
**Esempio di ordinativo: R0542-02-0001**  
 Materiale: 1.2080HWS  
 Durezza Gambo: HRC 60-64  
 Durezza testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0542-02-0001**  
 Material: 1.2080HWS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0542-02	0.6	1.1	0.2	0001	0002	0003	
R0542-02	0.7	1.3	0.2	0004	0005	0006	
R0542-02	0.8	1.4	0.4	0007	0008	0009	
R0542-02	0.9	1.6	0.4	0010	0011	0012	
R0542-02	1	1.8	0.5	0013	0014	0015	0016
R0542-02	1.1	1.8	0.5	0017	0018	0019	0020
R0542-02	1.2	2	0.5	0021	0022	0023	0024
R0542-02	1.25	2	0.5	0025	0026	0027	
R0542-02	1.3	2	0.5	0028	0029	0030	0031
R0542-02	1.4	2.2	0.6	0032	0033	0034	0035
R0542-02	1.5	2.2	0.6	0036	0037	0038	0039
R0542-02	1.6	2.5	0.6	0040	0041	0042	0043
R0542-02	1.7	2.5	0.6	0044	0045	0046	0047
R0542-02	1.75	2.8	0.6	0048	0049	0050	
R0542-02	1.8	2.8	0.6	0051	0052	0053	0054
R0542-02	1.9	2.8	0.6	0055	0056	0057	0058
R0542-02	2	3	0.7	0059	0060	0061	0062
R0542-02	2.1	3.2	0.7	0063	0064	0065	0066
R0542-02	2.2	3.2	0.7	0067	0068	0069	
R0542-02	2.25	3.5	0.8	0070	0071	0072	0073
R0542-02	2.3	3.5	0.8	0074	0075	0076	0077
R0542-02	2.4	3.5	0.8	0078	0079	0080	0081
R0542-02	2.5	3.5	0.8	0082	0083	0084	0085
R0542-02	2.6	4	0.8	0086	0087	0088	0089
R0542-02	2.7	4	0.8	0090	0091	0092	0093
R0542-02	2.75	4	0.8	0094	0095	0096	0097
R0542-02	2.8	4	0.8	0098	0099	0100	0101
R0542-02	2.9	4	0.8	0102	0103	0104	0105
R0542-02	3	4.5	0.8	0106	0107	0108	0109
R0542-02	3.1	4.5	0.8	0110	0111	0112	0113
R0542-02	3.2	4.5	0.8	0114	0115	0116	0117
R0542-02	3.25	4.5	0.8	0119	0120	0121	0122
R0542-02	3.3	4.5	0.8	0123	0124	0125	0126
R0542-02	3.4	4.5	0.8	0127	0128	0129	0130
R0542-02	3.5	5	0.8	0131	0132	0133	0134
R0542-02	3.6	5	0.8	0135	0136	0137	0138
R0542-02	3.7	5	0.8	0139	0140	0141	0142
R0542-02	3.75	5	0.8	0143	0144	0145	0146
R0542-02	3.8	5	0.8	0147	0148	0149	0150
R0542-02	3.9	5	0.8	0151	0152	0153	0154

## R0542 Punzone testa svasata forma DA - DIN9861- HWS Conical head punch type DA - DIN9861- HWS



### Descrizione:

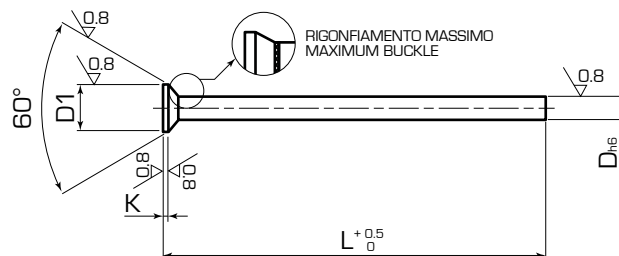
Esempio di ordinativo: **R0542-02-0001**  
 Materiale: 1.2080HWS  
 Durezza Gambo: HRC 60-64  
 Durezza testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

Example of purchasing order: **R0542-02-0001**  
 Material: 1.2080HWS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0542-02	4	5.5	0.8	0155	0156	0157	0158
R0542-02	4.1	5.5	0.8	0159	0160	0161	0162
R0542-02	4.2	5.5	0.8	0163	0164	0165	0166
R0542-02	4.25	5.5	0.8	0167	0168	0169	0170
R0542-02	4.3	5.5	0.8	0171	0172	0173	0174
R0542-02	4.4	5.5	0.8	0175	0176	0177	0178
R0542-02	4.5	6	0.8	0179	0180	0181	0182
R0542-02	4.6	6	0.8	0183	0184	0185	0186
R0542-02	4.7	6	0.8	0187	0188	0189	0190
R0542-02	4.75	6	0.8	0191	0192	0193	0194
R0542-02	4.8	6	0.8	0195	0196	0197	0198
R0542-02	4.9	6	0.8	0199	0200	0201	0202
R0542-02	5	6.5	0.8	0203	0204	0205	0206
R0542-02	5.1	6.5	0.8	0207	0208	0209	0210
R0542-02	5.2	6.5	0.8	0211	0212	0213	0214
R0542-02	5.25	6.5	0.8	0215	0216	0217	0218
R0542-02	5.3	6.5	0.8	0219	0220	0221	0222
R0542-02	5.4	6.5	0.8	0223	0224	0225	0226
R0542-02	5.5	7	0.8	0227	0228	0229	0230
R0542-02	5.6	7	0.8	0231	0232	0233	0234
R0542-02	5.7	7	0.8	0235	0236	0237	0238
R0542-02	5.75	7	0.8	0239	0240	0241	0242
R0542-02	5.8	7	0.8	0243	0244	0245	0246
R0542-02	5.9	7	0.8	0247	0248	0249	0250
R0542-02	6	8	0.8	0251	0252	0253	0254
R0542-02	6.1	8	0.8	0255	0256	0257	0258
R0542-02	6.2	8	0.8	0259	0260	0261	0262
R0542-02	6.25	8	0.8	0263	0264	0265	0266
R0542-02	6.3	8	0.8	0267	0268	0269	0270
R0542-02	6.4	8	0.8	0271	0272	0273	0274
R0542-02	6.5	9	1	0275	0276	0277	0278
R0542-02	6.6	9	1	0279	0280	0281	0282
R0542-02	6.7	9	1	0283	0284	0285	0286
R0542-02	6.75	9	1	0287	0288	0289	0290
R0542-02	6.8	9	1	0291	0292	0293	0294
R0542-02	6.9	9	1	0295	0296	0297	0298
R0542-02	7	9	1	0299	0300	0301	0302
R0542-02	7.1	9	1	0303	0304	0305	0306
R0542-02	7.2	9	1	0307	0308	0309	0310
R0542-02	7.25	9	1	0311	0312	0313	0314

## R0542 Punzone testa svasata forma DA - DIN9861- HWS Conical head punch type DA - DIN9861- HWS



### Descrizione:

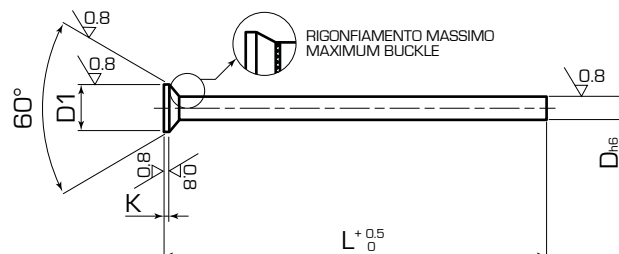
**Esempio di ordinativo: R0542-02-0001**  
 Materiale: 1.2080HWS  
 Durezza Gambo: HRC 60-64  
 Durezza testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0542-02-0001**  
 Material: 1.2080HWS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0542-02	7.3	9	1	0315	0316	0317	0318
R0542-02	7.4	9	1	0319	0320	0321	0322
R0542-02	7.5	10	1.2	0323	0324	0325	0326
R0542-02	7.6	10	1.2	0327	0328	0329	0330
R0542-02	7.7	10	1.2	0331	0332	0333	0334
R0542-02	7.75	10	1.2	0335	0336	0337	0338
R0542-02	7.8	10	1.2	0339	0340	0341	0342
R0542-02	7.9	10	1.2	0343	0344	0345	0346
R0542-02	8	10	1.2	0347	0348	0349	0350
R0542-02	8.1	10	1.2	0351	0352	0353	0354
R0542-02	8.2	10	1.2	0355	0356	0357	0358
R0542-02	8.25	10	1.2	0359	0360	0361	0362
R0542-02	8.3	10	1.2	0363	0364	0365	0366
R0542-02	8.4	10	1.2	0367	0368	0369	0370
R0542-02	8.5	11	1.2	0371	0372	0373	0374
R0542-02	8.6	11	1.2	0375	0376	0377	0378
R0542-02	8.7	11	1.2	0379	0380	0381	0382
R0542-02	8.75	11	1.2	0383	0384	0385	0386
R0542-02	8.8	11	1.2	0387	0388	0389	0390
R0542-02	8.9	11	1.2	0391	0392	0393	0394
R0542-02	9	11	1.2	0395	0396	0397	0398
R0542-02	9.1	11	1.2	0399	0400	0401	0402
R0542-02	9.2	11	1.2	0403	0404	0405	0406
R0542-02	9.25	11	1.2	0407	0408	0409	0410
R0542-02	9.3	11	1.2	0411	0412	0413	0414
R0542-02	9.4	11	1.2	0415	0416	0417	0418
R0542-02	9.5	12	1.2	0419	0420	0421	0422
R0542-02	9.6	12	1.2	0423	0424	0425	0426
R0542-02	9.7	12	1.2	0427	0428	0429	0430
R0542-02	9.75	12	1.2	0431	0432	0433	0434
R0542-02	9.8	12	1.2	0435	0436	0437	0438
R0542-02	9.9	12	1.2	0439	0440	0441	0442
R0542-02	10	12	1.2	0443	0444	0445	0446
R0542-02	10.1	12	1.2	0447	0448	0449	0450
R0542-02	10.2	12	1.2	0451	0452	0453	0454
R0542-02	10.25	12	1.2	0455	0456	0457	0458
R0542-02	10.3	12	1.2	0459	0460	0461	0462
R0542-02	10.4	12	1.2	0463	0464	0465	0466
R0542-02	10.5	13	1.2	0467	0468	0469	0470
R0542-02	10.6	13	1.2	0471	0472	0473	0474

## R0542 Punzone testa svasata forma DA - DIN9861- HWS Conical head punch type DA - DIN9861- HWS



### Descrizione:

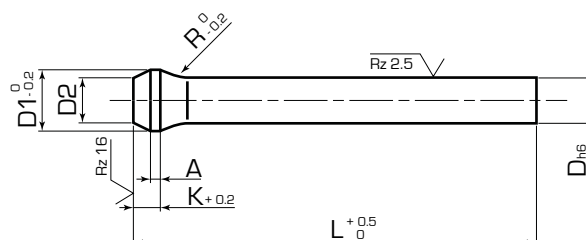
**Esempio di ordinativo: R0542-02-0001**  
 Materiale: 1.2080HWS  
 Durezza Gambo: HRC 60-64  
 Durezza testa: HRC 40-50  
 Gradazione D = 0.05mm  
 Nota: su richiesta forma D (senza rigonfiamento sotto testa)

### Description:

**Example of purchasing order: R0542-02-0001**  
 Material: 1.2080HWS  
 Shaft Hardness: HRC 60-64  
 Head Hardness: HRC 40-50  
 Gradation D = 0.05mm  
 Note: type D (without buckle) upon request

Codice Code	D	D1	K	L			
				71	80	100	125
R0542-02	10.7	13	1.2	0475	0476	0477	0478
R0542-02	10.75	13	1.2	0479	0480	0481	0482
R0542-02	10.8	13	1.2	0483	0484	0485	0486
R0542-02	10.9	13	1.2	0487	0488	0489	0490
R0542-02	11	13	1.2	0491	0492	0493	0494
R0542-02	11.1	13	1.2	0495	0496	0497	0498
R0542-02	11.2	13	1.2	0499	0500	0501	0502
R0542-02	11.25	13	1.2	0503	0504	0505	0506
R0542-02	11.3	13	1.2	0507	0508	0509	0510
R0542-02	11.4	13	1.2	0511	0512	0513	0514
R0542-02	11.5	14	1.2	0515	0516	0517	0518
R0542-02	11.6	14	1.2	0519	0520	0521	0522
R0542-02	11.7	14	1.2	0523	0524	0525	0526
R0542-02	11.75	14	1.2	0527	0528	0529	0530
R0542-02	11.8	14	1.2	0531	0532	0533	0534
R0542-02	11.9	14	1.2	0535	0536	0537	0538
R0542-02	12	14	1.2	0539	0540	0541	0542
R0542-02	12.1	14	1.2	0543	0544	0545	0546
R0542-02	12.2	14	1.2	0547	0548	0549	0550
R0542-02	12.25	14	1.2	0551	0552	0553	0554
R0542-02	12.3	14	1.2	0555	0556	0557	0558
R0542-02	12.4	14	1.2	0559	0560	0561	0562
R0542-02	12.5	15	1.5	0563	0564	0565	0566
R0542-02	13	15	1.5	0567	0568	0569	0570
R0542-02	13.5	16	1.5	0571	0572	0573	0574
R0542-02	14	16	1.5	0575	0576	0577	0578
R0542-02	14.5	17	1.5	0579	0580	0581	0582
R0542-02	15	18	1.8	0583	0584	0585	0586
R0542-02	15.5	18	1.8	0587	0588	0589	0590
R0542-02	16	19	1.8	0591	0592	0593	0594
R0542-02	16.5	19	1.8	0595	0596	0597	0598
R0542-02	17	20	1.8	0599	0600	0601	0602
R0542-02	17.5	20	1.8	0603	0604	0605	0606
R0542-02	18	21	1.8	0607	0608	0609	0610
R0542-02	18.5	21	1.8	0611	0612	0613	0614
R0542-02	19	22	1.8	0615	0616	0617	0618
R0542-02	19.5	22	1.8	0619	0620	0621	0622
R0542-02	20	22	108	0623	0624	0625	0626

## R0175 Punzone collo di trombone - PDT Bottle-neck punch - PDT



### Descrizione:

Esempio di ordinativo: R0175-02-0001

Materiale: HSS

Durezza Gambo: HRC 64±2

Durezza Testa: HRC 50±5

### Description:

Example of purchasing order: R0175-02-0001

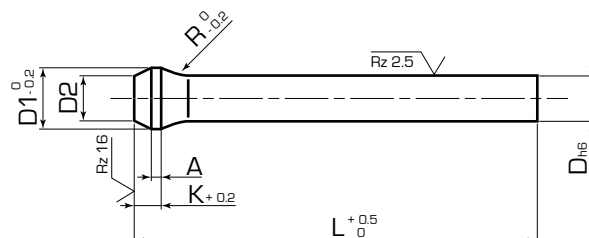
Material: HSS

Shaft Hardness: HRC 64±2

Head Hardness: HRC 50±5

Codice Code	D	D1	D2	K	A	R	L		
							71	80	100
R0175-02	2	3	D ± 0.1	3	1	3,5	0001	0002	0003
R0175-02	2,1	3,2	D ± 0.1	3	1	3,5	0004	0005	0006
R0175-02	2,2	3,2	D ± 0.1	3	1	3,5	0007	0008	0009
R0175-02	2,3	3,5	D ± 0.1	3	1	5	0010	0011	0012
R0175-02	2,4	3,5	D ± 0.1	3	1	5	0013	0014	0015
R0175-02	2,5	3,5	D ± 0.1	3	1	5	0016	0017	0018
R0175-02	2,6	4	D ± 0.1	3	1	6,5	0019	0020	0021
R0175-02	2,7	4	D ± 0.1	3	1	6,5	0022	0023	0024
R0175-02	2,8	4	D ± 0.1	3	1	6,5	0025	0026	0027
R0175-02	2,9	4	D ± 0.1	3	1	6,5	0028	0029	0030
R0175-02	3	4,5	D ± 0.1	3	1	6,5	0031	0032	0033
R0175-02	3,1	4,5	D ± 0.1	3	1	6,5	0034	0035	0036
R0175-02	3,2	4,5	D ± 0.1	3	1	6,5	0037	0038	0039
R0175-02	3,3	4,5	D ± 0.1	3	1	6,5	0040	0041	0042
R0175-02	3,4	4,5	D ± 0.1	3	1	6,5	0043	0044	0045
R0175-02	3,5	5	D ± 0.1	3	1	8	0046	0047	0048
R0175-02	3,6	5	D ± 0.1	3	1	8	0049	0050	0051
R0175-02	3,7	5	D ± 0.1	3	1	8	0052	0053	0054
R0175-02	3,8	5	D ± 0.1	3	1	8	0055	0056	0057
R0175-02	3,9	5	D ± 0.1	3	1	8	0058	0059	0060
R0175-02	4	5,5	D ± 0.1	3	1,5	8	0061	0062	0063
R0175-02	4,1	5,5	D ± 0.1	3	1,5	8	0064	0065	0066
R0175-02	4,2	5,5	D ± 0.1	4	1,5	8	0067	0068	0069
R0175-02	4,3	5,5	D ± 0.1	4	1,5	8	0070	0071	0072
R0175-02	4,4	5,5	D ± 0.1	4	1,5	8	0073	0074	0075
R0175-02	4,5	6	D ± 0.1	4	1,5	8	0076	0077	0078
R0175-02	4,6	6	D ± 0.1	4	1,5	8	0079	0080	0081
R0175-02	4,7	6	D ± 0.1	4	1,5	8	0082	0083	0084
R0175-02	4,8	6	D ± 0.1	4	1,5	8	0085	0086	0087
R0175-02	4,9	6	D ± 0.1	4	1,5	8	0088	0089	0090
R0175-02	5	7	D ± 0.1	4	1,5	10	0091	0092	0093
R0175-02	5,1	7	D ± 0.1	4	1,5	10	0094	0095	0096
R0175-02	5,2	7	D ± 0.1	4	1,5	10	0097	0098	0099
R0175-02	5,3	7	D ± 0.1	4	1,5	10	0100	0101	0102

## R0175 Punzone collo di trombone - PDT Bottle-neck punch - PDT



### Descrizione:

Esempio di ordinativo: R0175-02-0001

Materiale: HSS

Durezza Gambo: HRC 64±2

Durezza Testa: HRC 50±5

### Description:

Example of purchasing order: R0175-02-0001

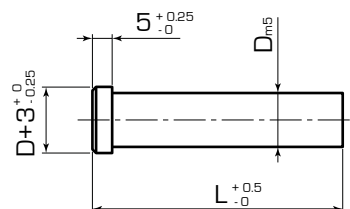
Material: HSS

Shaft Hardness: HRC 64±2

Head Hardness: HRC 50±5

Codice Code	D	D1	D2	K	A	R	L		
							71	80	100
R0175-02	5,4	7	D ± 0.1	4	1,5	10	0103	0104	0105
R0175-02	5,5	8	D ± 0.1	4	1,5	10	0106	0107	0108
R0175-02	5,6	8	D ± 0.1	4	1,5	10	0109	0110	0111
R0175-02	5,7	8	D ± 0.1	4	1,5	10	0112	0113	0114
R0175-02	5,8	8	D ± 0.1	4	1,5	10	0115	0116	0117
R0175-02	5,9	8	D ± 0.1	4	1,5	10	0118	0119	0120
R0175-02	6	9	D ± 0.1	4	1,5	10	0121	0122	0123
R0175-02	6,5	10	D ± 0.1	4	1,5	12	0124	0125	0126
R0175-02	7	10	D ± 0.1	4	1,5	12	0127	0128	0129
R0175-02	7,5	11	D ± 0.1	4	1,5	12	0130	0131	0132
R0175-02	8	11	D ± 0.1	4	1,5	12	0133	0134	0135
R0175-02	8,5	13	D ± 0.2	4	1,5	15	0136	0137	0138
R0175-02	9	13	D ± 0.2	4	1,5	15	0139	0140	0141
R0175-02	9,5	14	D ± 0.2	4	1,5	15	0142	0143	0144
R0175-02	10	14	D ± 0.2	4	1,5	15	0145	0146	0147
R0175-02	10,5	15	D ± 0.2	4	1,5	15	0148	0149	0150
R0175-02	11	15	D ± 0.2	4	1,5	15	0151	0152	0153
R0175-02	11,5	16	D ± 0.2	4	1,5	15	0154	0155	0156
R0175-02	12	16	D ± 0.2	4	1,5	15	0157	0158	0159
R0175-02	12,5	16	D ± 0.2	4	1,5	15	0160	0161	0162
R0175-02	13	17	D ± 0.2	4	1,5	15	0163	0164	0165
R0175-02	14	18	D ± 0.2	4	1,5	15	0166	0167	0168
R0175-02	15	19	D ± 0.2	4	1,5	15	0169	0170	0171
R0175-02	16	20	D ± 0.2	4	1,5	15	0172	0173	0174
R0175-02	17	21	D ± 0.2	4	1,5	15	0175	0176	0177
R0175-02	18	22	D ± 0.2	4	1,5	15	0178	0179	0180
R0175-02	19	23	D ± 0.2	4	1,5	15	0181	0182	0183
R0175-02	20	25	D ± 0.2	4	1,5	15	0184	0185	0186
R0175-02	21	25	D ± 0.2	4	1,5	15	0187	0188	0189
R0175-02	22	27	D ± 0.2	4	1,5	15	0190	0191	0192
R0175-02	23	27	D ± 0.2	4	1,5	15	0193	0194	0195
R0175-02	24	27	D ± 0.2	4	1,5	15	0196	0197	0198
R0175-02	25	30	D ± 0.2	4	1,5	15	0199	0200	0201

## R0183 Punzone press fit sbizzato - Solido - RSB Blank press fit punch - Solid - RSB



### Descrizione:

Esempio di ordinativo: **R0183-02-0001**  
 Materiale: Acciaio M2, HRC 60-63, ISO - 8020  
 Testa: HRC 45-55

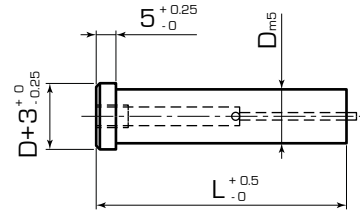
### Description:

Example of purchasing order: **R0183-02-0001**  
 Material: Steel M2, HRC 60-63, ISO 8020  
 Head: HRC 45-55

Codice Code	D	L																
		40	50	56	60	63	70	71	80	90	100	120	125	150	155	160	165	170
R0183-02	4	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012					
R0183-02	5	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024					
R0183-02	6		0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035					
R0183-02	8		0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046					
R0183-02	10		0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057					
R0183-02	13		0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070				
R0183-02	16		0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083			
R0183-02	17										0084							
R0183-02	20			0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095		0096		
R0183-02	25			0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107			0108	
R0183-02	32					0109	0110	0111	0112	0113	0114	0115	0116	0117				0118
R0183-02	40								0119	0120	0121							



**R0604** Punzone press fit sbozzato con espulsore - RCB  
Blank press fit punch with ejector - RCB



**Descrizione:**

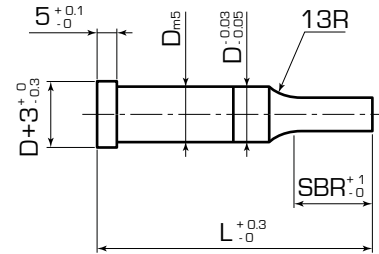
Esempio di ordinativo: **R0604-02-0001**  
Materiale: Acciaio M2, HRC 60 - 63, ISO 8020  
Testa: HRC 45-55

**Description:**

Example of purchasing order: **R0604-02-0001**  
Material: Steel M2, HRC 60-63, ISO 8020  
Head: HRC 45-55

Codice Code	D	L								
		50	56	60	63	70	71	80	90	100
R0604-02	5	0001	0002	0003	0004	0005	0006	0007	0008	0009
R0604-02	6	0010	0011	0012	0013	0014	0015	0016	0017	0018
R0604-02	8	0019	0020	0021	0022	0023	0024	0025	0026	0027
R0604-02	10	0028	0029	0030	0031	0032	0033	0034	0035	0036
R0604-02	13	0037	0038	0039	0040	0041	0042	0043	0044	0045
R0604-02	16	0046	0047	0048	0049	0050	0051	0052	0053	0054
R0604-02	20		0055	0056	0057	0058	0059	0060	0061	0062
R0604-02	25		0063	0064	0065	0066	0067	0068	0069	0070
R0604-02	32				0071	0072	0073	0074	0075	0076
R0604-02	40							0077	0078	0079

## R0186 Punzone press fit ribassato - RS\_ Stepped press fit punch - RS\_



### Descrizione:

**Esempio di ordinativo: R0186-02\_Tipo\_D\_SBR\_L\_P\_W\_F\_Angolo**  
 Materiale: Acciaio A2, HRC 60-63, Testa: HRC 45-55  
 Acciaio M2, HRC 60-63, Testa: HRC 45-55  
 Acciaio PS, HRC 63-65, Testa: HRC 45-55  
 Nota: il posizionamento standard è a 0°. Disponibili a 90°, 180°, 270°.  
 L=50 SBRmax=13      L=56 SBRmax=19  
 L=60 SBRmax=19      L=63 SBRmax=25

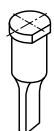
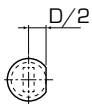
### Description:

**Example of purchasing order: R0186-02\_Type\_D\_SBR\_L\_P\_W\_F\_Angle**  
 Material: Steel A2, HRC 60-63, Head: HRC 45-55  
 Steel M2, HRC 60-63, Head: HRC 45-55  
 Steel PS, HRC 63-65, Head: HRC 45-55  
 Note: standard flat location is at 0°. Available at 90°, 180°, 270°.  
 L=50 SBRmax=13      L=56 SBRmax=19  
 L=60 SBRmax=19      L=63 SBRmax=25

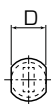
Codice Code	D	P Intervallo - Range	Forma Shape		L									
			MIN W	MAX G/P	40	50	56	60	63	70	71	80	90	100
R0186-02	4	1.60 - 3.99	1.60	4.00	●	●	●	●	●	●	●	●	●	●
R0186-02	5	1.60 - 4.99	1.60	5.00	●	●	●	●	●	●	●	●	●	●
R0186-02	6	1.60 - 5.99	1.60	6.00		●	●	●	●	●	●	●	●	●
R0186-02	8	2.50 - 7.99	2.50	8.00		●	●	●	●	●	●	●	●	●
R0186-02	10	3.20 - 9.99	3.20	10.00		●	●	●	●	●	●	●	●	●
R0186-02	13	5.00 - 12.99	4.50	13.00		●	●	●	●	●	●	●	●	●
R0186-02	16	8.00 - 15.99	6.00	16.00		●	●	●	●	●	●	●	●	●
R0186-02	20	10.00 - 19.99	8.00	20.00			●	●	●	●	●	●	●	●
R0186-02	25	12.00 - 24.99	9.00	25.00			●	●	●	●	●	●	●	●
R0186-02	32	16.00 - 31.99	10.00	32.00				●	●	●	●	●	●	●
R0186-02	40	30.00 - 39.99	14.00	40.00					●	●	●	●	●	●

Codice Code	D	SBR		
R0186-02	4	8	10	-
R0186-02	5	13	10	-
R0186-02	6	13	10	-
R0186-02	8	19	13	-
R0186-02	10	19	13	25
R0186-02	13	19	13	25
R0186-02	16	19	13	25
R0186-02	20	19	13	25
R0186-02	25	19	13	25
R0186-02	32	25	19	30
R0186-02	40	25	19	30

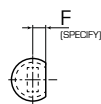
**F1**  
KEY FLAT



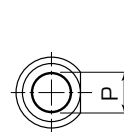
**F5**  
DOUBLE FLAT



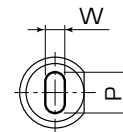
**F6**  
BODY FLAT



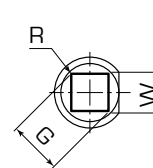
ROUND  
**RS\_C**



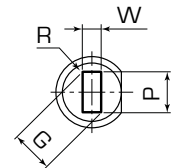
OBLONG  
**RS\_O**



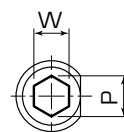
SQUARE  
**RS\_S**



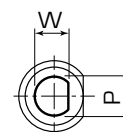
RECTANGLE  
**RS\_R**



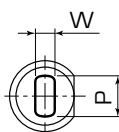
HEXAGON  
**RS\_H**



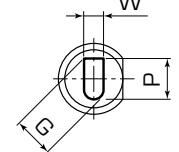
KEYFLAT  
**RS\_K**



FLATTED ROUND  
**RS\_F**



DEE  
**RS\_D**



**0°**



**90°**



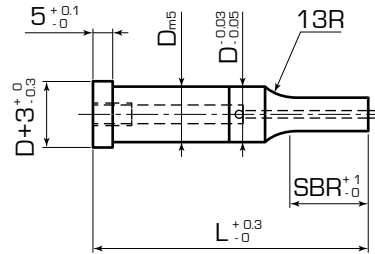
**180°**



**270°**



## R0187 Punzone press fit ribassato con espulsore - RC\_ Stepped press fit punch with ejector - RC\_



### Descrizione:

Esempio di ordinativo: **R0187-02\_Tipo\_D\_SBR\_L\_P\_W\_F\_Angolo**

Materiale: Acciaio A2, HRC 60-63, Testa: HRC 45-55

Acciaio M2, HRC 60-63, Testa: HRC 45-55

Acciaio PS, HRC 63-65, Testa: HRC 45-55

Nota: il posizionamento standard è a 0°. Disponibili a 90°, 180°, 270°.

L=50 SBRmax=13

L=56 SBRmax=19

L=60 SBRmax=19

L=63 SBRmax=25

### Description:

Example of purchasing order: **R0187-02\_Type\_D\_SBR\_L\_P\_W\_F\_Angle**

Material: Steel A2, HRC 60-63, Head: HRC 45-55

Steel M2, HRC 60-63, Head: HRC 45-55

Steel PS, HRC 63-65, Head: HRC 45-55

Note: standard flat location is at 0°. Available at 90°, 180°, 270°.

L=50 SBRmax=13

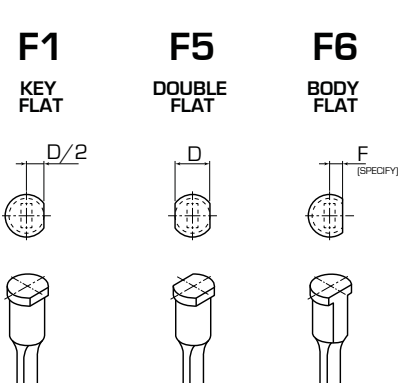
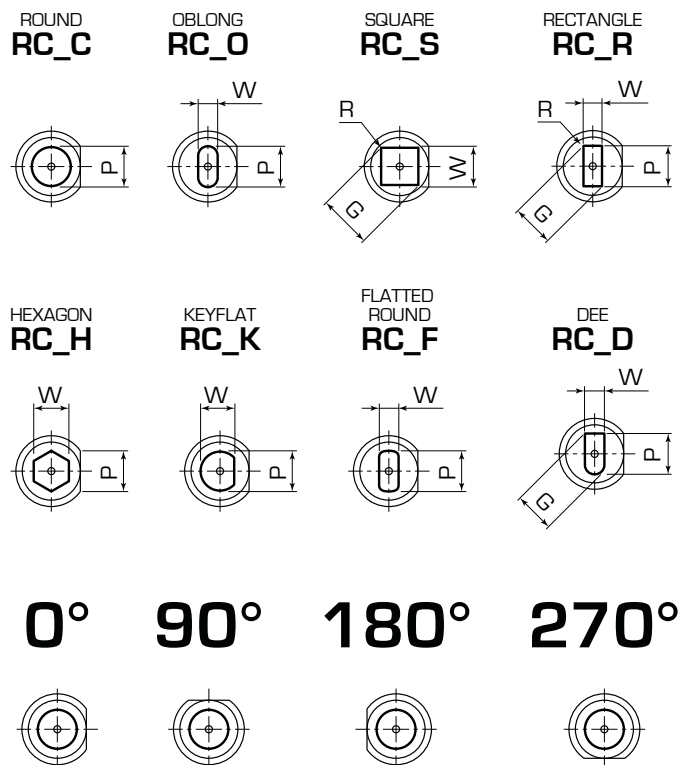
L=56 SBRmax=19

L=60 SBRmax=19

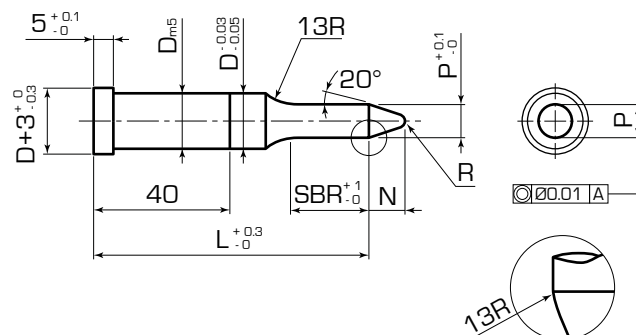
L=63 SBRmax=25

Codice Code	D	P Intervallo - Range	Forma Shape		L									
			MIN W	MAX G/P	50	56	60	63	70	71	80	90	100	
R0187-02	5	1.60 - 4.99	1.60	5.00	●	●	●	●	●	●	●	●	●	●
R0187-02	6	2.50 - 5.99	2.50	6.00	●	●	●	●	●	●	●	●	●	●
R0187-02	8	3.20 - 7.99	3.20	8.00	●	●	●	●	●	●	●	●	●	●
R0187-02	10	4.50 - 9.99	4.50	10.00	●	●	●	●	●	●	●	●	●	●
R0187-02	13	6.00 - 12.99	6.00	13.00	●	●	●	●	●	●	●	●	●	●
R0187-02	16	8.00 - 15.99	7.50	16.00	●	●	●	●	●	●	●	●	●	●
R0187-02	20	10.00 - 19.99	8.00	20.00		●	●	●	●	●	●	●	●	●
R0187-02	25	12.00 - 24.99	9.00	25.00		●	●	●	●	●	●	●	●	●
R0187-02	32	16.00 - 31.99	10.00	32.00				●	●	●	●	●	●	●
R0187-02	40	30.00 - 39.99	14.00	40.00							●	●	●	●

Codice Code	D	SBR			Dimensioni espulsore Ejector size
		13	10	-	
R0187-02	5	13	10	-	MAE 2
R0187-02	6	13	10	-	MAE 3
R0187-02	8	19	13	-	MAE 4
R0187-02	10	19	13	25	MAE 5
R0187-02	13	19	13	25	MAE 5
R0187-02	16	19	13	25	MAE 6
R0187-02	20	19	13	25	MAE 6
R0187-02	25	19	13	25	MAE 6
R0187-02	32	25	19	30	MAE 6
R0187-02	40	25	19	30	MAE 6



## R0676 Punzone pilota con testa per centraggio accurato - APA Press fit positive pick-up pilot punch - APA



### Descrizione:

Esempio di ordinativo: R0676-02\_D\_SBR\_L\_P

Materiale: Acciaio M2, HRC 60-63

Testa: HRC 45-55

Nota: Quando  $P = D$  la tolleranza del gambo si applica a tutta la lunghezza

### Description:

Example of purchasing order: R0676-02\_D\_SBR\_L\_P

Material: Steel M2, HRC 60-63

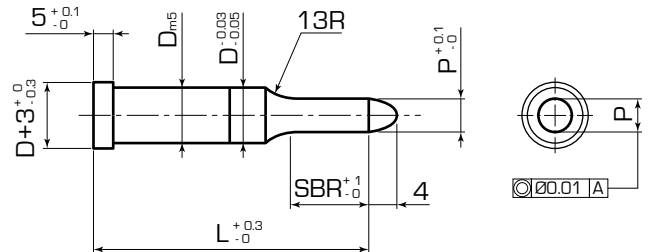
Head: HRC 45-55

Note: When  $P = D$  shank tolerance applies to full length

Codice Code	D	P Intervallo - Range	N	L									
				65	72	73	82	92	102	112	127	142	
R0676-02	10	4.85 - 10.00	8	●	●	●	●	●	●	●	●		
R0676-02	13	6.30 - 13.00	10	●	●	●	●	●	●	●	●	●	
R0676-02	16	9.95 - 16.00	15		●	●	●	●	●	●	●	●	●
R0676-02	20	13.60 - 20.00	20		●	●	●	●	●	●	●	●	●
R0676-02	25	17.25 - 25.00	25		●	●	●	●	●	●	●	●	●
R0676-02	32	20.85 - 32.00	30			●	●	●	●	●	●	●	●

Codice Code	D	SBR	
R0676-02	10	21	27
R0676-02	13	21	27
R0676-02	16	21	27
R0676-02	20	21	27
R0676-02	25	21	27
R0676-02	32	27	32

## R0677 Punzone pilota con testa - APT Press fit pilot punch - APT



### Descrizione:

Esempio di ordinativo: **R0677-02\_D\_SBR\_L\_P**

Materiale: Acciaio A2, HRC 60-63, Testa: HRC 45-55  
Acciaio M2, HRC 60-63, Testa: HRC 45-55  
Acciaio PS, HRC 63-65, Testa: HRC 45-55

Nota: Quando P = D la tolleranza del gambo si applica a tutta la lunghezza

### Description:

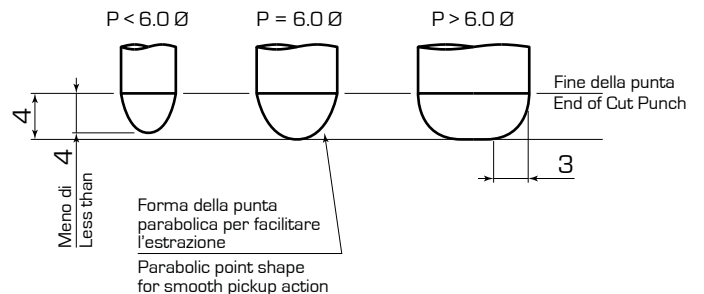
Example of purchasing order: **R0677-02\_D\_SBR\_L\_P**

Material: Steel A2, HRC 60-63, Head: HRC 45-55  
Steel M2, HRC 60-63, Head: HRC 45-55  
Steel PS, HRC 63-65, Head: HRC 45-55

Note: When P = D tolerance applies to full length

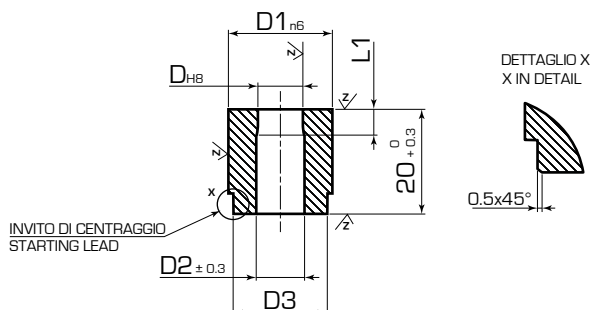
Codice Code	D	P Intervallo - Range	L										
			42	52	58	62	65	72	73	82	92	102	
R0677-02	4	1.55 - 4.00	●	●	●	●	●	●	●	●	●		
R0677-02	5	1.55 - 5.00	●	●	●	●	●	●	●	●	●		
R0677-02	6	1.55 - 6.00	●	●	●	●	●	●	●	●	●	●	●
R0677-02	8	2.45 - 8.00		●	●	●	●	●	●	●	●	●	●
R0677-02	10	3.15 - 10.00		●	●	●	●	●	●	●	●	●	●
R0677-02	13	4.95 - 13.00		●	●	●	●	●	●	●	●	●	●
R0677-02	16	7.95 - 16.00		●	●	●	●	●	●	●	●	●	●
R0677-02	20	9.95 - 20.00			●	●	●	●	●	●	●	●	●
R0677-02	25	11.95 - 25.00			●	●	●	●	●	●	●	●	●
R0677-02	32	15.95 - 32.00				●	●	●	●	●	●	●	●

Codice Code	D	SBR	
R0677-02	4	10	15
R0677-02	5	15	21
R0677-02	6	15	21
R0677-02	8	21	27
R0677-02	10	21	27
R0677-02	13	21	27
R0677-02	16	21	27
R0677-02	20	21	27
R0677-02	25	21	27
R0677-02	32	27	32



## R0176

Matrice DIN 9845 tipo A corta liscia - MAC  
Die DIN 9845 type A short smooth - MAC



### Descrizione:

Esempio di ordinativo: R0176-02-0001

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0176-02	0,8	5	1,1	D1-0.02	3		0001
R0176-02	0,9	5	1,2	D1-0.02	3		0002
R0176-02	1	5	1,3	D1-0.02	3		0003
R0176-02	1,1	6	1,4	D1-0.02	3		0004
R0176-02	1,2	6	1,5	D1-0.02	3		0005
R0176-02	1,3	6	1,6	D1-0.02	3		0006
R0176-02	1,4	6	1,7	D1-0.02	3		0007
R0176-02	1,5	6	1,8	D1-0.02	3		0008
R0176-02	1,6	6	1,9	D1-0.02	3		0009
R0176-02	1,7	6	2	D1-0.02	3		0010
R0176-02	1,8	6	2,1	D1-0.02	3		0011
R0176-02	1,9	6	2,2	D1-0.02	3		0012
R0176-02	2	6	2,3	D1-0.02	3	0014	0013
R0176-02	2	7	2,5	D1-0.02	3	0016	0015
R0176-02	2,1	7	2,6	D1-0.02	3	0018	0017
R0176-02	2,2	7	2,7	D1-0.02	3	0020	0019
R0176-02	2,3	7	2,8	D1-0.02	3	0022	0021
R0176-02	2,4	7	2,9	D1-0.02	3	0024	0023
R0176-02	2,5	7	3	D1-0.02	3	0026	0025
R0176-02	2,6	7	3,1	D1-0.02	3	0028	0027
R0176-02	2,7	7	3,2	D1-0.02	3	0030	0029
R0176-02	2,8	7	3,3	D1-0.02	3	0032	0031
R0176-02	2,9	7	3,4	D1-0.02	3	0034	0033
R0176-02	3	7	3,5	D1-0.02	3	0036	0035
R0176-02	3,1	7	3,6	D1-0.02	3	0038	0037
R0176-02	3,1	8	3,6	D1-0.02	4	0040	0039
R0176-02	3,2	7	3,6	D1-0.02	3	0042	0041
R0176-02	3,2	8	3,7	D1-0.02	4	0044	0043
R0176-02	3,3	7	3,7	D1-0.02	3	0046	0045
R0176-02	3,3	8	3,8	D1-0.02	4	0048	0047
R0176-02	3,4	8	3,9	D1-0.02	4	0050	0049
R0176-02	3,5	8	4	D1-0.02	4	0052	0051
R0176-02	3,6	8	4,1	D1-0.02	4	0054	0053
R0176-02	3,7	8	4,2	D1-0.02	4	0056	0055
R0176-02	3,8	8	4,3	D1-0.02	4	0058	0057
R0176-02	3,9	8	4,4	D1-0.02	4	0060	0059
R0176-02	4	8	4,5	D1-0.02	4	0062	0061

### Description:

Example of purchasing order: R0176-02-0001

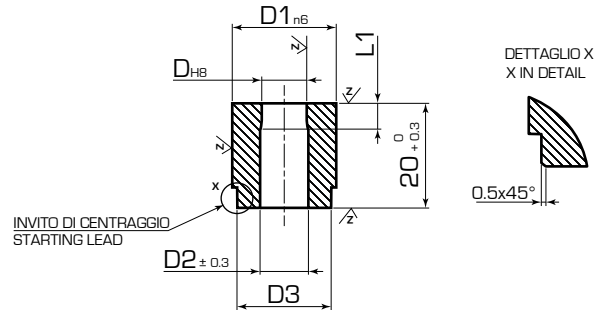
Hardness HWS: HRC 58-62

Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0176-02	4,1	10	4,8	D1-0.02	4	0064	0063
R0176-02	4,2	10	4,9	D1-0.02	4	0066	0065
R0176-02	4,3	10	5	D1-0.02	4	0068	0067
R0176-02	4,4	10	5,1	D1-0.02	4	0070	0069
R0176-02	4,5	10	5,2	D1-0.02	4	0072	0071
R0176-02	4,6	10	5,3	D1-0.02	4	0074	0073
R0176-02	4,7	10	5,4	D1-0.02	4	0076	0075
R0176-02	4,8	10	5,5	D1-0.02	4	0078	0077
R0176-02	4,9	10	5,6	D1-0.02	4	0080	0079
R0176-02	5	10	5,7	D1-0.02	4	0082	0081
R0176-02	5,1	12	5,8	D1-0.02	4	0084	0083
R0176-02	5,2	12	5,9	D1-0.02	4	0086	0085
R0176-02	5,3	12	6	D1-0.02	4	0088	0087
R0176-02	5,4	12	6,1	D1-0.02	4	0090	0089
R0176-02	5,5	12	6,2	D1-0.02	4	0092	0091
R0176-02	5,6	12	6,3	D1-0.02	4	0094	0093
R0176-02	5,7	12	6,4	D1-0.02	4	0096	0095
R0176-02	5,8	12	6,5	D1-0.02	4	0098	0097
R0176-02	5,9	12	6,6	D1-0.02	4	0100	0099
R0176-02	6	12	6,7	D1-0.02	4	0102	0101
R0176-02	6,1	15	6,8	D1-0.02	4	0104	0103
R0176-02	6,2	15	6,9	D1-0.02	4	0106	0105
R0176-02	6,3	15	7	D1-0.02	4	0108	0107
R0176-02	6,4	15	7,1	D1-0.02	4	0110	0109
R0176-02	6,5	15	7,2	D1-0.02	4	0112	0111
R0176-02	6,6	15	7,3	D1-0.02	4	0114	0113
R0176-02	6,7	15	7,4	D1-0.02	4	0116	0115
R0176-02	6,8	15	7,5	D1-0.02	4	0118	0117
R0176-02	6,9	15	7,6	D1-0.02	4	0120	0119
R0176-02	7	15	7,7	D1-0.02	4	0122	0121
R0176-02	7,1	15	7,8	D1-0.02	4	0124	0123
R0176-02	7,2	15	7,9	D1-0.02	4	0126	0125
R0176-02	7,3	15	8	D1-0.02	4	0128	0127
R0176-02	7,4	15	8,1	D1-0.02	4	0130	0129
R0176-02	7,5	15	8,2	D1-0.02	4	0132	0131
R0176-02	7,6	15	8,3	D1-0.02	4	0134	0133
R0176-02	7,7	15	8,4	D1-0.02	4	0136	0135

## R0176 Matrice DIN 9845 tipo A corta liscia - MAC Die DIN 9845 type A short smooth - MAC



### Descrizione:

Esempio di ordinativo: **R0176-02-0001**  
 Durezza HWS: HRC 58-62  
 Durezza HSS: HRC 62-66  
 Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0176-02	7,8	15	8,5	D1-0.02	4	0138	0137
R0176-02	7,9	15	8,6	D1-0.02	4	0140	0139
R0176-02	8	15	8,7	D1-0.02	4	0142	0141
R0176-02	8,1	18	9,1	D1-0.02	4	0144	0143
R0176-02	8,2	18	9,2	D1-0.02	4	0146	0145
R0176-02	8,3	18	9,3	D1-0.02	4	0148	0147
R0176-02	8,4	18	9,4	D1-0.02	4	0150	0149
R0176-02	8,5	18	9,5	D1-0.02	4	0152	0151
R0176-02	8,6	18	9,6	D1-0.02	4	0154	0153
R0176-02	8,7	18	9,7	D1-0.02	4	0156	0155
R0176-02	8,8	18	9,8	D1-0.02	4	0158	0157
R0176-02	8,9	18	9,9	D1-0.02	4	0160	0159
R0176-02	9	18	10	D1-0.02	4	0162	0161
R0176-02	9,1	18	10,1	D1-0.02	4	0164	0163
R0176-02	9,2	18	10,2	D1-0.02	4	0166	0165
R0176-02	9,3	18	10,3	D1-0.02	4	0168	0167
R0176-02	9,4	18	10,4	D1-0.02	4	0170	0169
R0176-02	9,5	18	10,5	D1-0.02	4	0172	0171
R0176-02	9,6	18	10,6	D1-0.02	4	0174	0173
R0176-02	9,7	18	10,7	D1-0.02	4	0176	0175
R0176-02	9,8	18	10,8	D1-0.02	4	0178	0177
R0176-02	9,9	18	10,9	D1-0.02	4	0180	0179
R0176-02	10	18	11	D1-0.02	4	0182	0181
R0176-02	10,1	22	11,1	D1-0.02	5	0184	0183
R0176-02	10,2	22	11,2	D1-0.02	5	0186	0185
R0176-02	10,3	22	11,3	D1-0.02	5	0188	0187
R0176-02	10,4	22	11,4	D1-0.02	5	0190	0189
R0176-02	10,5	22	11,5	D1-0.02	5	0192	0191
R0176-02	10,6	22	11,6	D1-0.02	5	0194	0193
R0176-02	10,7	22	11,7	D1-0.02	5	0196	0195
R0176-02	10,8	22	11,8	D1-0.02	5	0198	0197
R0176-02	10,9	22	11,9	D1-0.02	5	0200	0199
R0176-02	11	22	12	D1-0.02	5	0202	0201
R0176-02	11,1	22	12,1	D1-0.02	5	0204	0203
R0176-02	11,2	22	12,2	D1-0.02	5	0206	0205
R0176-02	11,3	22	12,3	D1-0.02	5	0208	0207
R0176-02	11,4	22	12,4	D1-0.02	5	0210	0209

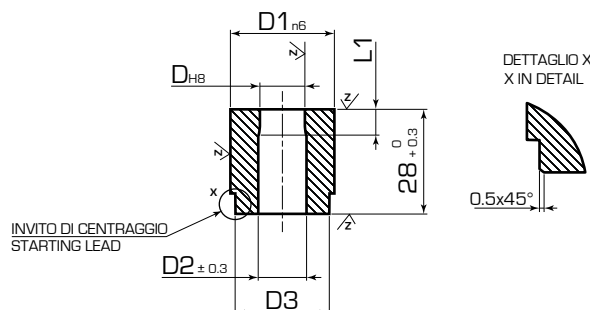
### Description:

Example of purchasing order: **R0176-02-0001**  
 Hardness HWS: HRC 58-62  
 Hardness HSS: HRC 62-66  
 Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0176-02	11,5	22	12,5	D1-0.02	5	0212	0211
R0176-02	11,6	22	12,6	D1-0.02	5	0214	0213
R0176-02	11,7	22	12,7	D1-0.02	5	0216	0215
R0176-02	11,8	22	12,8	D1-0.02	5	0218	0217
R0176-02	11,9	22	12,9	D1-0.02	5	0220	0219
R0176-02	12	22	13	D1-0.02	5	0222	0221
R0176-02	12,1	26	13,1	D1-0.02	5	0224	0223
R0176-02	12,2	26	13,2	D1-0.02	5	0226	0225
R0176-02	12,3	26	13,3	D1-0.02	5	0228	0227
R0176-02	12,4	26	13,4	D1-0.02	5	0230	0229
R0176-02	12,5	26	13,5	D1-0.02	5	0232	0231
R0176-02	12,6	26	13,6	D1-0.02	5	0234	0233
R0176-02	12,7	26	13,7	D1-0.02	5	0236	0235
R0176-02	12,8	26	13,8	D1-0.02	5	0238	0237
R0176-02	12,9	26	13,9	D1-0.02	5	0240	0239
R0176-02	13	26	14	D1-0.02	5	0242	0241
R0176-02	13,1	26	14,1	D1-0.02	5	0244	0243
R0176-02	13,2	26	14,2	D1-0.02	5	0246	0245
R0176-02	13,3	26	14,3	D1-0.02	5	0248	0247
R0176-02	13,4	26	14,4	D1-0.02	5	0250	0249
R0176-02	13,5	26	14,5	D1-0.02	5	0252	0251
R0176-02	13,6	26	14,6	D1-0.02	5	0254	0253
R0176-02	13,7	26	14,7	D1-0.02	5	0256	0255
R0176-02	13,8	26	14,8	D1-0.02	5	0258	0257
R0176-02	13,9	26	14,9	D1-0.02	5	0260	0259
R0176-02	14	26	15	D1-0.02	5	0262	0261
R0176-02	14,1	26	15,1	D1-0.02	5	0264	0263
R0176-02	14,2	26	15,2	D1-0.02	5	0266	0265
R0176-02	14,3	26	15,3	D1-0.02	5	0268	0267
R0176-02	14,4	26	15,4	D1-0.02	5	0270	0269
R0176-02	14,5	26	15,5	D1-0.02	5	0272	0271
R0176-02	14,6	26	15,6	D1-0.02	5	0274	0273
R0176-02	14,7	26	15,7	D1-0.02	5	0276	0275
R0176-02	14,8	26	15,8	D1-0.02	5	0278	0277
R0176-02	14,9	26	15,9	D1-0.02	5	0280	0279
R0176-02	15	26	16	D1-0.02	5	0282	0281

## R0605

Matrice DIN 9845 tipo A lunga liscia - MAL  
Die DIN 9845 type A long smooth - MAL



### Descrizione:

Esempio di ordinativo: R0605-02-0001

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0605-02	1,1	6	1,4	D1-0.02	3		0001
R0605-02	1,2	6	1,5	D1-0.02	3		0002
R0605-02	1,3	6	1,6	D1-0.02	3		0003
R0605-02	1,4	6	1,7	D1-0.02	3		0004
R0605-02	1,5	6	1,8	D1-0.02	3		0005
R0605-02	1,6	6	1,9	D1-0.02	3		0006
R0605-02	1,7	6	2	D1-0.02	3		0007
R0605-02	1,8	6	2,1	D1-0.02	3		0008
R0605-02	1,9	6	2,2	D1-0.02	3		0009
R0605-02	2	6	2,3	D1-0.02	3	0011	0010
R0605-02	2	7	2,5	D1-0.02	3	0013	0012
R0605-02	2,1	7	2,6	D1-0.02	3	0015	0014
R0605-02	2,2	7	2,7	D1-0.02	3	0017	0016
R0605-02	2,3	7	2,8	D1-0.02	3	0019	0018
R0605-02	2,4	7	2,9	D1-0.02	3	0021	0020
R0605-02	2,5	7	3	D1-0.02	3	0023	0022
R0605-02	2,6	7	3,1	D1-0.02	3	0025	0024
R0605-02	2,7	7	3,2	D1-0.02	3	0027	0026
R0605-02	2,8	7	3,3	D1-0.02	3	0029	0028
R0605-02	2,9	7	3,4	D1-0.02	3	0031	0030
R0605-02	3	7	3,5	D1-0.02	3	0033	0032
R0605-02	3,1	7	3,6	D1-0.02	3	0035	0034
R0605-02	3,1	8	3,6	D1-0.02	4	0037	0036
R0605-02	3,2	7	3,7	D1-0.02	3	0039	0038
R0605-02	3,2	8	3,7	D1-0.02	4	0041	0040
R0605-02	3,3	7	3,8	D1-0.02	3	0043	0042
R0605-02	3,3	8	3,8	D1-0.02	4	0045	0044
R0605-02	3,4	8	3,9	D1-0.02	4	0047	0046
R0605-02	3,5	8	4	D1-0.02	4	0049	0048
R0605-02	3,6	8	4,1	D1-0.02	4	0051	0050
R0605-02	3,7	8	4,2	D1-0.02	4	0053	0052
R0605-02	3,8	8	4,3	D1-0.02	4	0055	0054
R0605-02	3,9	8	4,4	D1-0.02	4	0057	0056
R0605-02	4	8	4,5	D1-0.02	4	0059	0058
R0605-02	4,1	10	4,8	D1-0.02	4	0061	0060
R0605-02	4,2	10	4,9	D1-0.02	4	0063	0062
R0605-02	4,3	10	5	D1-0.02	4	0065	0064
R0605-02	4,4	10	5,1	D1-0.02	4	0067	0066
R0605-02	4,5	10	5,2	D1-0.02	4	0069	0068
R0605-02	4,6	10	5,3	D1-0.02	4	0071	0070
R0605-02	4,7	10	5,4	D1-0.02	4	0073	0072
R0605-02	4,8	10	5,5	D1-0.02	4	0075	0074
R0605-02	4,9	10	5,6	D1-0.02	4	0077	0076
R0605-02	5	10	5,7	D1-0.02	4	0079	0078

### Description:

Example of purchasing order: R0605-02-0001

Hardness HWS: HRC 58-62

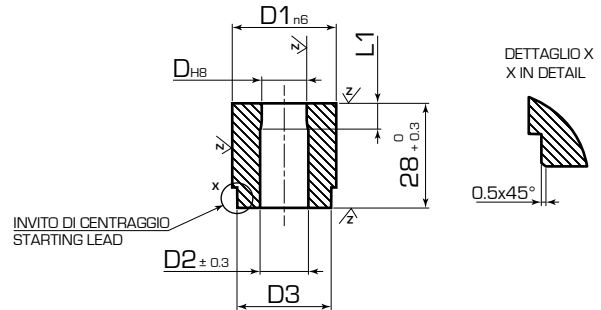
Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0605-02	5,1	12	5,8	D1-0.02	4	0081	0080
R0605-02	5,2	12	5,9	D1-0.02	4	0083	0082
R0605-02	5,3	12	6	D1-0.02	4	0085	0084
R0605-02	5,4	12	6,1	D1-0.02	4	0087	0086
R0605-02	5,5	12	6,2	D1-0.02	4	0089	0088
R0605-02	5,6	12	6,3	D1-0.02	4	0091	0090
R0605-02	5,7	12	6,4	D1-0.02	4	0093	0092
R0605-02	5,8	12	6,5	D1-0.02	4	0095	0094
R0605-02	5,9	12	6,6	D1-0.02	4	0097	0096
R0605-02	6	12	6,7	D1-0.02	4	0099	0098
R0605-02	6,1	15	6,8	D1-0.02	4	0101	0100
R0605-02	6,2	15	6,9	D1-0.02	4	0103	0102
R0605-02	6,3	15	7	D1-0.02	4	0105	0104
R0605-02	6,4	15	7,1	D1-0.02	4	0107	0106
R0605-02	6,5	15	7,2	D1-0.02	4	0109	0108
R0605-02	6,6	15	7,3	D1-0.02	4	0111	0110
R0605-02	6,7	15	7,4	D1-0.02	4	0113	0112
R0605-02	6,8	15	7,5	D1-0.02	4	0115	0114
R0605-02	6,9	15	7,6	D1-0.02	4	0117	0116
R0605-02	7	15	7,7	D1-0.02	4	0119	0118
R0605-02	7,1	15	7,8	D1-0.02	4	0121	0120
R0605-02	7,2	15	7,9	D1-0.02	4	0123	0122
R0605-02	7,3	15	8	D1-0.02	4	0125	0124
R0605-02	7,4	15	8,1	D1-0.02	4	0127	0126
R0605-02	7,5	15	8,2	D1-0.02	4	0129	0128
R0605-02	7,6	15	8,3	D1-0.02	4	0131	0130
R0605-02	7,7	15	8,4	D1-0.02	4	0133	0132
R0605-02	7,8	15	8,5	D1-0.02	4	0135	0134
R0605-02	7,9	15	8,6	D1-0.02	4	0137	0136
R0605-02	8	15	8,7	D1-0.02	4	0139	0138
R0605-02	8,1	18	9,1	D1-0.02	4	0141	0140
R0605-02	8,2	18	9,2	D1-0.02	4	0143	0142
R0605-02	8,3	18	9,3	D1-0.02	4	0145	0144
R0605-02	8,4	18	9,4	D1-0.02	4	0147	0146
R0605-02	8,5	18	9,5	D1-0.02	4	0149	0148
R0605-02	8,6	18	9,6	D1-0.02	4	0151	0150
R0605-02	8,7	18	9,7	D1-0.02	4	0153	0152
R0605-02	8,8	18	9,8	D1-0.02	4	0155	0154
R0605-02	8,9	18	9,9	D1-0.02	4	0157	0156
R0605-02	9	18	10	D1-0.02	4	0159	0158
R0605-02	9,1	18	10,1	D1-0.02	4	0161	0160
R0605-02	9,2	18	10,2	D1-0.02	4	0163	0162
R0605-02	9,3	18	10,3	D1-0.02	4	0165	0164
R0605-02	9,4	18	10,4	D1-0.02	4	0167	0166



## R0605 Matrice DIN 9845 tipo A lunga liscia - MAL Die DIN 9845 type A long smooth - MAL



### Descrizione:

Esempio di ordinativo: **R0605-02-0001**

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0605-02	9,5	18	10,5	D1-0.02	4	0169	0168
R0605-02	9,6	18	10,6	D1-0.02	4	0171	0170
R0605-02	9,7	18	10,7	D1-0.02	4	0173	0172
R0605-02	9,8	18	10,8	D1-0.02	4	0175	0174
R0605-02	9,9	18	10,9	D1-0.02	4	0177	0176
R0605-02	10	18	11	D1-0.02	4	0179	0178
R0605-02	10,1	22	11,1	D1-0.02	5	0181	0180
R0605-02	10,2	22	11,2	D1-0.02	5	0183	0182
R0605-02	10,3	22	11,3	D1-0.02	5	0185	0184
R0605-02	10,4	22	11,4	D1-0.02	5	0187	0186
R0605-02	10,5	22	11,5	D1-0.02	5	0189	0188
R0605-02	10,6	22	11,6	D1-0.02	5	0191	0190
R0605-02	10,7	22	11,7	D1-0.02	5	0193	0192
R0605-02	10,8	22	11,8	D1-0.02	5	0195	0194
R0605-02	10,9	22	11,9	D1-0.02	5	0197	0196
R0605-02	11	22	12	D1-0.02	5	0199	0198
R0605-02	11,1	22	12,1	D1-0.02	5	0201	0200
R0605-02	11,2	22	12,2	D1-0.02	5	0203	0202
R0605-02	11,3	22	12,3	D1-0.02	5	0205	0204
R0605-02	11,4	22	12,4	D1-0.02	5	0207	0206
R0605-02	11,5	22	12,5	D1-0.02	5	0209	0208
R0605-02	11,6	22	12,6	D1-0.02	5	0211	0210
R0605-02	11,7	22	12,7	D1-0.02	5	0213	0212
R0605-02	11,8	22	12,8	D1-0.02	5	0215	0214
R0605-02	11,9	22	12,9	D1-0.02	5	0217	0216
R0605-02	12	22	13	D1-0.02	5	0219	0218
R0605-02	12,1	26	13,1	D1-0.02	5	0221	0220
R0605-02	12,2	26	13,2	D1-0.02	5	0223	0222
R0605-02	12,3	26	13,3	D1-0.02	5	0225	0224
R0605-02	12,4	26	13,4	D1-0.02	5	0227	0226
R0605-02	12,5	26	13,5	D1-0.02	5	0229	0228
R0605-02	12,6	26	13,6	D1-0.02	5	0231	0230
R0605-02	12,7	26	13,7	D1-0.02	5	0233	0232
R0605-02	12,8	26	13,8	D1-0.02	5	0235	0234
R0605-02	12,9	26	13,9	D1-0.02	5	0237	0236
R0605-02	13	26	14	D1-0.02	5	0239	0238
R0605-02	13,1	26	14,1	D1-0.02	5	0241	0240
R0605-02	13,2	26	14,2	D1-0.02	5	0243	0242
R0605-02	13,3	26	14,3	D1-0.02	5	0245	0244
R0605-02	13,4	26	14,4	D1-0.02	5	0247	0246
R0605-02	13,5	26	14,5	D1-0.02	5	0249	0248
R0605-02	13,6	26	14,6	D1-0.02	5	0251	0250
R0605-02	13,7	26	14,7	D1-0.02	5	0253	0252

### Description:

Example of purchasing order: **R0605-02-0001**

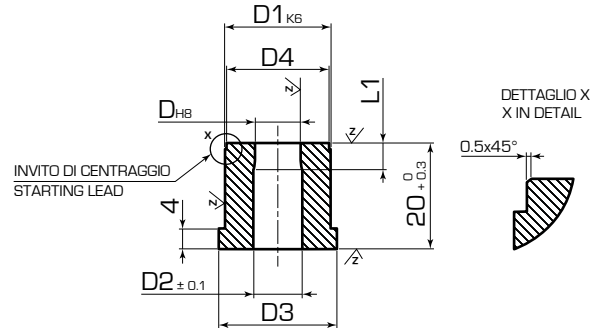
Hardness HWS: HRC 58-62

Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	L1	HWS	HSS
R0605-02	13,8	26	14,8	D1-0.02	5	0255	0254
R0605-02	13,9	26	14,9	D1-0.02	5	0257	0256
R0605-02	14	26	15	D1-0.02	5	0259	0258
R0605-02	14,1	26	15,1	D1-0.02	5	0261	0260
R0605-02	14,2	26	15,2	D1-0.02	5	0263	0262
R0605-02	14,3	26	15,3	D1-0.02	5	0265	0264
R0605-02	14,4	26	15,4	D1-0.02	5	0267	0266
R0605-02	14,5	26	15,5	D1-0.02	5	0269	0268
R0605-02	14,6	26	15,6	D1-0.02	5	0271	0270
R0605-02	14,7	26	15,7	D1-0.02	5	0273	0272
R0605-02	14,8	26	15,8	D1-0.02	5	0275	0274
R0605-02	14,9	26	15,9	D1-0.02	5	0277	0276
R0605-02	15	26	16	D1-0.02	5	0279	0278
R0605-02	15,5	30	16,5	D1-0.02	5	0280	
R0605-02	16	30	17	D1-0.02	5	0281	
R0605-02	16,5	30	17,5	D1-0.02	5	0282	
R0605-02	17	30	18	D1-0.02	5	0283	
R0605-02	17,5	30	18,5	D1-0.02	5	0284	
R0605-02	18	30	19	D1-0.02	5	0285	
R0605-02	18,5	35	19,5	D1-0.02	5	0286	
R0605-02	19	35	20	D1-0.02	5	0287	
R0605-02	19,5	35	20,5	D1-0.02	5	0288	
R0605-02	20	35	21	D1-0.02	5	0289	
R0605-02	20,5	35	21,5	D1-0.02	5	0290	
R0605-02	21	35	22	D1-0.02	5	0291	
R0605-02	21,5	35	22,5	D1-0.02	5	0292	
R0605-02	22	35	23	D1-0.02	5	0293	
R0605-02	22,5	42	23,5	D1-0.02	5	0294	
R0605-02	23	42	24	D1-0.02	5	0295	
R0605-02	23,5	42	24,5	D1-0.02	5	0296	
R0605-02	24	42	25	D1-0.02	5	0297	
R0605-02	24,5	42	25,5	D1-0.02	5	0298	
R0605-02	25	42	26	D1-0.02	5	0299	
R0605-02	25,5	42	26,5	D1-0.02	5	0300	
R0605-02	26	42	27	D1-0.02	5	0301	
R0605-02	26,5	48	28,5	D1-0.02	5	0302	
R0605-02	27	48	29	D1-0.02	5	0303	
R0605-02	27,5	48	29,5	D1-0.02	5	0304	
R0605-02	28	48	30	D1-0.02	5	0305	
R0605-02	28,5	48	30,5	D1-0.02	5	0306	
R0605-02	29	48	31	D1-0.02	5	0307	
R0605-02	29,5	48	31,5	D1-0.02	5	0308	
R0605-02	30	48	32	D1-0.02	5	0309	

## R0177 Matrice DIN 9845 tipo B corta con collare - MBC Die DIN 9845 type B short with head - MBC



### Descrizione:

Esempio di ordinativo: R0177-02-0001

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0177-02	0,8	5	1,1	7	D1-0.02	3		0001
R0177-02	0,9	5	1,2	7	D1-0.02	3		0002
R0177-02	1	5	1,3	7	D1-0.02	3		0003
R0177-02	1,1	6	1,4	8	D1-0.02	3		0004
R0177-02	1,2	6	1,5	8	D1-0.02	3		0005
R0177-02	1,3	6	1,6	8	D1-0.02	3		0006
R0177-02	1,4	6	1,7	8	D1-0.02	3		0007
R0177-02	1,5	6	1,8	8	D1-0.02	3		0008
R0177-02	1,6	6	1,9	8	D1-0.02	3		0009
R0177-02	1,7	6	2	8	D1-0.02	3		0010
R0177-02	1,8	6	2,1	8	D1-0.02	3		0011
R0177-02	1,9	6	2,2	8	D1-0.02	3		0012
R0177-02	2	6	2,3	8	D1-0.02	3	0014	0013
R0177-02	2	7	2,5	9	D1-0.02	3	0016	0015
R0177-02	2,1	7	2,6	9	D1-0.02	3	0018	0017
R0177-02	2,2	7	2,7	9	D1-0.02	3	0020	0019
R0177-02	2,3	7	2,8	9	D1-0.02	3	0022	0021
R0177-02	2,4	7	2,9	9	D1-0.02	3	0024	0023
R0177-02	2,5	7	3	9	D1-0.02	3	0026	0025
R0177-02	2,6	7	3,1	9	D1-0.02	3	0028	0027
R0177-02	2,7	7	3,2	9	D1-0.02	3	0030	0029
R0177-02	2,8	7	3,3	9	D1-0.02	3	0032	0031
R0177-02	2,9	7	3,4	9	D1-0.02	3	0034	0033
R0177-02	3	7	3,5	9	D1-0.02	3	0036	0035
R0177-02	3,1	7	3,6	9	D1-0.02	3	0038	0037
R0177-02	3,1	8	3,6	10	D1-0.02	4	0040	0039
R0177-02	3,2	7	3,7	9	D1-0.02	3	0042	0041
R0177-02	3,2	8	3,7	10	D1-0.02	4	0044	0043
R0177-02	3,3	7	3,8	9	D1-0.02	3	0046	0045
R0177-02	3,3	8	3,8	10	D1-0.02	4	0048	0047
R0177-02	3,4	8	3,9	10	D1-0.02	4	0050	0049
R0177-02	3,5	8	4	10	D1-0.02	4	0052	0051
R0177-02	3,6	8	4,1	10	D1-0.02	4	0054	0053
R0177-02	3,7	8	4,2	10	D1-0.02	4	0056	0055
R0177-02	3,8	8	4,3	10	D1-0.02	4	0058	0057
R0177-02	3,9	8	4,4	10	D1-0.02	4	0060	0059
R0177-02	4	8	4,5	10	D1-0.02	4	0062	0061

### Description:

Example of purchasing order: R0177-02-0001

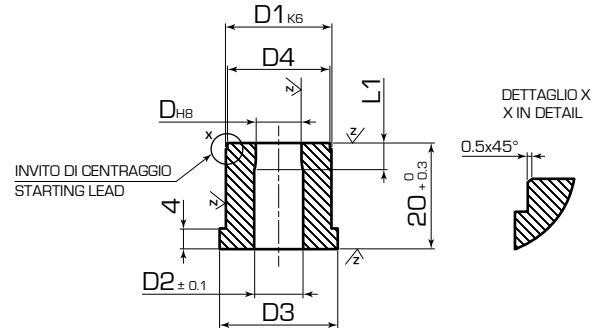
Hardness HWS: HRC 58-62

Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0177-02	4,1	10	4,8	12	D1-0.02	4	0064	0063
R0177-02	4,2	10	4,9	12	D1-0.02	4	0066	0065
R0177-02	4,3	10	5	12	D1-0.02	4	0068	0067
R0177-02	4,4	10	5,1	12	D1-0.02	4	0070	0069
R0177-02	4,5	10	5,2	12	D1-0.02	4	0072	0071
R0177-02	4,6	10	5,3	12	D1-0.02	4	0074	0073
R0177-02	4,7	10	5,4	12	D1-0.02	4	0076	0075
R0177-02	4,8	10	5,5	12	D1-0.02	4	0078	0077
R0177-02	4,9	10	5,6	12	D1-0.02	4	0080	0079
R0177-02	5	10	5,7	12	D1-0.02	4	0082	0081
R0177-02	5,1	12	5,8	14	D1-0.02	4	0084	0083
R0177-02	5,2	12	5,9	14	D1-0.02	4	0086	0085
R0177-02	5,3	12	6	14	D1-0.02	4	0088	0087
R0177-02	5,4	12	6,1	14	D1-0.02	4	0090	0089
R0177-02	5,5	12	6,2	14	D1-0.02	4	0092	0091
R0177-02	5,6	12	6,3	14	D1-0.02	4	0094	0093
R0177-02	5,7	12	6,4	14	D1-0.02	4	0096	0095
R0177-02	5,8	12	6,5	14	D1-0.02	4	0098	0097
R0177-02	5,9	12	6,6	14	D1-0.02	4	0100	0099
R0177-02	6	12	6,7	14	D1-0.02	4	0102	0101
R0177-02	6,1	15	6,8	17	D1-0.02	4	0104	0103
R0177-02	6,2	15	6,9	17	D1-0.02	4	0106	0105
R0177-02	6,3	15	7	17	D1-0.02	4	0108	0107
R0177-02	6,4	15	7,1	17	D1-0.02	4	0110	0109
R0177-02	6,5	15	7,2	17	D1-0.02	4	0112	0111
R0177-02	6,6	15	7,3	17	D1-0.02	4	0114	0113
R0177-02	6,7	15	7,4	17	D1-0.02	4	0116	0115
R0177-02	6,8	15	7,5	17	D1-0.02	4	0118	0117
R0177-02	6,9	15	7,6	17	D1-0.02	4	0120	0119
R0177-02	7	15	7,7	17	D1-0.02	4	0122	0121
R0177-02	7,1	15	7,8	17	D1-0.02	4	0124	0123
R0177-02	7,2	15	7,9	17	D1-0.02	4	0126	0125
R0177-02	7,3	15	8	17	D1-0.02	4	0128	0127
R0177-02	7,4	15	8,1	17	D1-0.02	4	0130	0129
R0177-02	7,5	15	8,2	17	D1-0.02	4	0132	0131
R0177-02	7,6	15	8,3	17	D1-0.02	4	0134	0133
R0177-02	7,7	15	8,4	17	D1-0.02	4	0136	0135

## R0177 Matrice DIN 9845 tipo B corta con collare - MBC Die DIN 9845 type B short with head - MBC



### Descrizione:

Esempio di ordinativo: **R0177-02-0001**

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0177-02	7,8	15	8,5	17	D1-0.02	4	0138	0137
R0177-02	7,9	15	8,6	17	D1-0.02	4	0140	0139
R0177-02	8	15	8,7	17	D1-0.02	4	0142	0141
R0177-02	8,1	18	9,1	20	D1-0.02	4	0144	0143
R0177-02	8,2	18	9,2	20	D1-0.02	4	0146	0145
R0177-02	8,3	18	9,3	20	D1-0.02	4	0148	0147
R0177-02	8,4	18	9,4	20	D1-0.02	4	0150	0149
R0177-02	8,5	18	9,5	20	D1-0.02	4	0152	0151
R0177-02	8,6	18	9,6	20	D1-0.02	4	0154	0153
R0177-02	8,7	18	9,7	20	D1-0.02	4	0156	0155
R0177-02	8,8	18	9,8	20	D1-0.02	4	0158	0157
R0177-02	8,9	18	9,9	20	D1-0.02	4	0160	0159
R0177-02	9	18	10	20	D1-0.02	4	0162	0161
R0177-02	9,1	18	10,1	20	D1-0.02	4	0164	0163
R0177-02	9,2	18	10,2	20	D1-0.02	4	0166	0165
R0177-02	9,3	18	10,3	20	D1-0.02	4	0168	0167
R0177-02	9,4	18	10,4	20	D1-0.02	4	0170	0169
R0177-02	9,5	18	10,5	20	D1-0.02	4	0172	0171
R0177-02	9,6	18	10,6	20	D1-0.02	4	0174	0173
R0177-02	9,7	18	10,7	20	D1-0.02	4	0176	0175
R0177-02	9,8	18	10,8	20	D1-0.02	4	0178	0177
R0177-02	9,9	18	10,9	20	D1-0.02	4	0180	0179
R0177-02	10	18	11	20	D1-0.02	4	0182	0181
R0177-02	10,1	22	11,1	24	D1-0.02	5	0184	0183
R0177-02	10,2	22	11,2	24	D1-0.02	5	0186	0185
R0177-02	10,3	22	11,3	24	D1-0.02	5	0188	0187
R0177-02	10,4	22	11,4	24	D1-0.02	5	0190	0189
R0177-02	10,5	22	11,5	24	D1-0.02	5	0192	0191
R0177-02	10,6	22	11,6	24	D1-0.02	5	0194	0193
R0177-02	10,7	22	11,7	24	D1-0.02	5	0196	0195
R0177-02	10,8	22	11,8	24	D1-0.02	5	0198	0197
R0177-02	10,9	22	11,9	24	D1-0.02	5	0200	0199
R0177-02	11	22	12	24	D1-0.02	5	0202	0201
R0177-02	11,1	22	12,1	24	D1-0.02	5	0204	0203
R0177-02	11,2	22	12,2	24	D1-0.02	5	0206	0205
R0177-02	11,3	22	12,3	24	D1-0.02	5	0208	0207
R0177-02	11,4	22	12,4	24	D1-0.02	5	0210	0209

### Description:

Example of purchasing order: **R0177-02-0001**

Hardness HWS: HRC 58-62

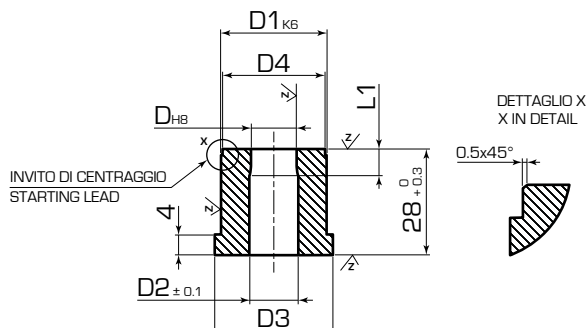
Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0177-02	11,5	22	12,5	24	D1-0.02	5	0212	0211
R0177-02	11,6	22	12,6	24	D1-0.02	5	0214	0213
R0177-02	11,7	22	12,7	24	D1-0.02	5	0216	0215
R0177-02	11,8	22	12,8	24	D1-0.02	5	0218	0217
R0177-02	11,9	22	12,9	24	D1-0.02	5	0220	0219
R0177-02	12	22	13	24	D1-0.02	5	0222	0221
R0177-02	12,1	26	13,1	28	D1-0.02	5	0224	0223
R0177-02	12,2	26	13,2	28	D1-0.02	5	0226	0225
R0177-02	12,3	26	13,3	28	D1-0.02	5	0228	0227
R0177-02	12,4	26	13,4	28	D1-0.02	5	0230	0229
R0177-02	12,5	26	13,5	28	D1-0.02	5	0232	0231
R0177-02	12,6	26	13,6	28	D1-0.02	5	0234	0233
R0177-02	12,7	26	13,7	28	D1-0.02	5	0236	0235
R0177-02	12,8	26	13,8	28	D1-0.02	5	0238	0237
R0177-02	12,9	26	13,9	28	D1-0.02	5	0240	0239
R0177-02	13	26	14	28	D1-0.02	5	0242	0241
R0177-02	13,1	26	14,1	28	D1-0.02	5	0244	0243
R0177-02	13,2	26	14,2	28	D1-0.02	5	0246	0245
R0177-02	13,3	26	14,3	28	D1-0.02	5	0248	0247
R0177-02	13,4	26	14,4	28	D1-0.02	5	0250	0249
R0177-02	13,5	26	14,5	28	D1-0.02	5	0252	0251
R0177-02	13,6	26	14,6	28	D1-0.02	5	0254	0253
R0177-02	13,7	26	14,7	28	D1-0.02	5	0256	0255
R0177-02	13,8	26	14,8	28	D1-0.02	5	0258	0257
R0177-02	13,9	26	14,9	28	D1-0.02	5	0260	0259
R0177-02	14	26	15	28	D1-0.02	5	0262	0261
R0177-02	14,1	26	15,1	28	D1-0.02	5	0264	0263
R0177-02	14,2	26	15,2	28	D1-0.02	5	0266	0265
R0177-02	14,3	26	15,3	28	D1-0.02	5	0268	0267
R0177-02	14,4	26	15,4	28	D1-0.02	5	0270	0269
R0177-02	14,5	26	15,5	28	D1-0.02	5	0272	0271
R0177-02	14,6	26	15,6	28	D1-0.02	5	0274	0273
R0177-02	14,7	26	15,7	28	D1-0.02	5	0276	0275
R0177-02	14,8	26	15,8	28	D1-0.02	5	0278	0277
R0177-02	14,9	26	15,9	28	D1-0.02	5	0280	0279
R0177-02	15	26	16	28	D1-0.02	5	0282	0281

## R0606

Matrice DIN 9845 tipo B lunga con collare - MBL  
Die DIN 9845 type B long with head - MBL



### Descrizione:

Esempio di ordinativo: R0606-02-0001

Durezza HWS: HRC 58-62

Durezza HSS: HRC 62-66

Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0606-02	1,1	6	1,4	8	D1-0.02	3		0001
R0606-02	1,2	6	1,5	8	D1-0.02	3		0002
R0606-02	1,3	6	1,6	8	D1-0.02	3		0003
R0606-02	1,4	6	1,7	8	D1-0.02	3		0004
R0606-02	1,5	6	1,8	8	D1-0.02	3		0005
R0606-02	1,6	6	1,9	8	D1-0.02	3		0006
R0606-02	1,7	6	2	8	D1-0.02	3		0007
R0606-02	1,8	6	2,1	8	D1-0.02	3		0008
R0606-02	1,9	6	2,2	8	D1-0.02	3		0009
R0606-02	2	6	2,3	8	D1-0.02	3	0011	0010
R0606-02	2	7	2,5	9	D1-0.02	3	0013	0012
R0606-02	2,1	7	2,6	9	D1-0.02	3	0015	0014
R0606-02	2,2	7	2,7	9	D1-0.02	3	0017	0016
R0606-02	2,3	7	2,8	9	D1-0.02	3	0019	0018
R0606-02	2,4	7	2,9	9	D1-0.02	3	0021	0020
R0606-02	2,5	7	3	9	D1-0.02	3	0023	0022
R0606-02	2,6	7	3,1	9	D1-0.02	3	0025	0024
R0606-02	2,7	7	3,2	9	D1-0.02	3	0027	0026
R0606-02	2,8	7	3,3	9	D1-0.02	3	0029	0028
R0606-02	2,9	7	3,4	9	D1-0.02	3	0031	0030
R0606-02	3	7	3,5	9	D1-0.02	3	0033	0032
R0606-02	3,1	7	3,6	9	D1-0.02	3	0035	0034
R0606-02	3,1	8	3,6	10	D1-0.02	4	0037	0036
R0606-02	3,2	7	3,7	9	D1-0.02	3	0039	0038
R0606-02	3,2	8	3,7	10	D1-0.02	4	0041	0040
R0606-02	3,3	7	3,8	9	D1-0.02	3	0043	0042
R0606-02	3,3	8	3,8	10	D1-0.02	4	0045	0044
R0606-02	3,4	8	3,9	10	D1-0.02	4	0047	0046
R0606-02	3,5	8	4	10	D1-0.02	4	0049	0048
R0606-02	3,6	8	4,1	10	D1-0.02	4	0051	0050
R0606-02	3,7	8	4,2	10	D1-0.02	4	0053	0052
R0606-02	3,8	8	4,3	10	D1-0.02	4	0055	0054
R0606-02	3,9	8	4,4	10	D1-0.02	4	0057	0056
R0606-02	4	8	4,5	10	D1-0.02	4	0059	0058
R0606-02	4,1	10	4,8	12	D1-0.02	4	0061	0060
R0606-02	4,2	10	4,9	12	D1-0.02	4	0063	0062
R0606-02	4,3	10	5	12	D1-0.02	4	0065	0064
R0606-02	4,4	10	5,1	12	D1-0.02	4	0067	0066
R0606-02	4,5	10	5,2	12	D1-0.02	4	0069	0068
R0606-02	4,6	10	5,3	12	D1-0.02	4	0071	0070
R0606-02	4,7	10	5,4	12	D1-0.02	4	0073	0072
R0606-02	4,8	10	5,5	12	D1-0.02	4	0075	0074
R0606-02	4,9	10	5,6	12	D1-0.02	4	0077	0076
R0606-02	5	10	5,7	12	D1-0.02	4	0079	0078

### Description:

Example of purchasing order: R0606-02-0001

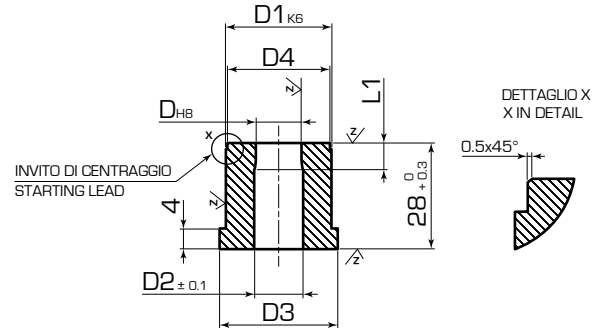
Hardness HWS: HRC 58-62

Hardness HSS: HRC 62-66

Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0606-02	5,1	12	5,8	14	D1-0.02	4	0081	0080
R0606-02	5,2	12	5,9	14	D1-0.02	4	0083	0082
R0606-02	5,3	12	6	14	D1-0.02	4	0085	0084
R0606-02	5,4	12	6,1	14	D1-0.02	4	0087	0086
R0606-02	5,5	12	6,2	14	D1-0.02	4	0089	0088
R0606-02	5,6	12	6,3	14	D1-0.02	4	0091	0090
R0606-02	5,7	12	6,4	14	D1-0.02	4	0093	0092
R0606-02	5,8	12	6,5	14	D1-0.02	4	0095	0094
R0606-02	5,9	12	6,6	14	D1-0.02	4	0097	0096
R0606-02	6	12	6,7	14	D1-0.02	4	0099	0098
R0606-02	6,1	15	6,8	17	D1-0.02	4	0101	0100
R0606-02	6,2	15	6,9	17	D1-0.02	4	0103	0102
R0606-02	6,3	15	7	17	D1-0.02	4	0105	0104
R0606-02	6,4	15	7,1	17	D1-0.02	4	0107	0106
R0606-02	6,5	15	7,2	17	D1-0.02	4	0109	0108
R0606-02	6,6	15	7,3	17	D1-0.02	4	0111	0110
R0606-02	6,7	15	7,4	17	D1-0.02	4	0113	0112
R0606-02	6,8	15	7,5	17	D1-0.02	4	0115	0114
R0606-02	6,9	15	7,6	17	D1-0.02	4	0117	0116
R0606-02	7	15	7,7	17	D1-0.02	4	0119	0118
R0606-02	7,1	15	7,8	17	D1-0.02	4	0121	0120
R0606-02	7,2	15	7,9	17	D1-0.02	4	0123	0122
R0606-02	7,3	15	8	17	D1-0.02	4	0125	0124
R0606-02	7,4	15	8,1	17	D1-0.02	4	0127	0126
R0606-02	7,5	15	8,2	17	D1-0.02	4	0129	0128
R0606-02	7,6	15	8,3	17	D1-0.02	4	0131	0130
R0606-02	7,7	15	8,4	17	D1-0.02	4	0133	0132
R0606-02	7,8	15	8,5	17	D1-0.02	4	0135	0134
R0606-02	7,9	15	8,6	17	D1-0.02	4	0137	0136
R0606-02	8	15	8,7	17	D1-0.02	4	0139	0138
R0606-02	8,1	18	9,1	20	D1-0.02	4	0141	0140
R0606-02	8,2	18	9,2	20	D1-0.02	4	0143	0142
R0606-02	8,3	18	9,3	20	D1-0.02	4	0145	0144
R0606-02	8,4	18	9,4	20	D1-0.02	4	0147	0146
R0606-02	8,5	18	9,5	20	D1-0.02	4	0149	0148
R0606-02	8,6	18	9,6	20	D1-0.02	4	0151	0150
R0606-02	8,7	18	9,7	20	D1-0.02	4	0153	0152
R0606-02	8,8	18	9,8	20	D1-0.02	4	0155	0154
R0606-02	8,9	18	9,9	20	D1-0.02	4	0157	0156
R0606-02	9	18	10	20	D1-0.02	4	0159	0158
R0606-02	9,1	18	10,1	20	D1-0.02	4	0161	0160
R0606-02	9,2	18	10,2	20	D1-0.02	4	0163	0162
R0606-02	9,3	18	10,3	20	D1-0.02	4	0165	0164
R0606-02	9,4	18	10,4	20	D1-0.02	4	0167	0166

## R0606 Matrice DIN 9845 tipo B lunga con collare - MBL Die DIN 9845 type B long with head - MBL



### Descrizione:

Esempio di ordinativo: **R0606-02-0001**  
 Durezza HWS: HRC 58-62  
 Durezza HSS: HRC 62-66  
 Trattamento termico: Tempra + Rinvenimento (HRC 58-62)

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0606-02	9,5	18	10,5	20	D1-0.02	4	0169	0168
R0606-02	9,6	18	10,6	20	D1-0.02	4	0171	0170
R0606-02	9,7	18	10,7	20	D1-0.02	4	0173	0172
R0606-02	9,8	18	10,8	20	D1-0.02	4	0175	0174
R0606-02	9,9	18	10,9	20	D1-0.02	4	0177	0176
R0606-02	10	18	11	20	D1-0.02	4	0179	0178
R0606-02	10,1	22	11,1	24	D1-0.02	5	0181	0180
R0606-02	10,2	22	11,2	24	D1-0.02	5	0183	0182
R0606-02	10,3	22	11,3	24	D1-0.02	5	0185	0184
R0606-02	10,4	22	11,4	24	D1-0.02	5	0187	0186
R0606-02	10,5	22	11,5	24	D1-0.02	5	0189	0188
R0606-02	10,6	22	11,6	24	D1-0.02	5	0191	0190
R0606-02	10,7	22	11,7	24	D1-0.02	5	0193	0192
R0606-02	10,8	22	11,8	24	D1-0.02	5	0195	0194
R0606-02	10,9	22	11,9	24	D1-0.02	5	0197	0196
R0606-02	11	22	12	24	D1-0.02	5	0199	0198
R0606-02	11,1	22	12,1	24	D1-0.02	5	0201	0200
R0606-02	11,2	22	12,2	24	D1-0.02	5	0203	0202
R0606-02	11,3	22	12,3	24	D1-0.02	5	0205	0204
R0606-02	11,4	22	12,4	24	D1-0.02	5	0207	0206
R0606-02	11,5	22	12,5	24	D1-0.02	5	0209	0208
R0606-02	11,6	22	12,6	24	D1-0.02	5	0211	0210
R0606-02	11,7	22	12,7	24	D1-0.02	5	0213	0212
R0606-02	11,8	22	12,8	24	D1-0.02	5	0215	0214
R0606-02	11,9	22	12,9	24	D1-0.02	5	0217	0216
R0606-02	12	22	13	24	D1-0.02	5	0219	0218
R0606-02	12,1	26	13,1	28	D1-0.02	5	0221	0220
R0606-02	12,2	26	13,2	28	D1-0.02	5	0223	0222
R0606-02	12,3	26	13,3	28	D1-0.02	5	0225	0224
R0606-02	12,4	26	13,4	28	D1-0.02	5	0227	0226
R0606-02	12,5	26	13,5	28	D1-0.02	5	0229	0228
R0606-02	12,6	26	13,6	28	D1-0.02	5	0231	0230
R0606-02	12,7	26	13,7	28	D1-0.02	5	0233	0232
R0606-02	12,8	26	13,8	28	D1-0.02	5	0235	0234
R0606-02	12,9	26	13,9	28	D1-0.02	5	0237	0236
R0606-02	13	26	14	28	D1-0.02	5	0239	0238
R0606-02	13,1	26	14,1	28	D1-0.02	5	0241	0240
R0606-02	13,2	26	14,2	28	D1-0.02	5	0243	0242
R0606-02	13,3	26	14,3	28	D1-0.02	5	0245	0244
R0606-02	13,4	26	14,4	28	D1-0.02	5	0247	0246
R0606-02	13,5	26	14,5	28	D1-0.02	5	0249	0248
R0606-02	13,6	26	14,6	28	D1-0.02	5	0251	0250
R0606-02	13,7	26	14,7	28	D1-0.02	5	0253	0252

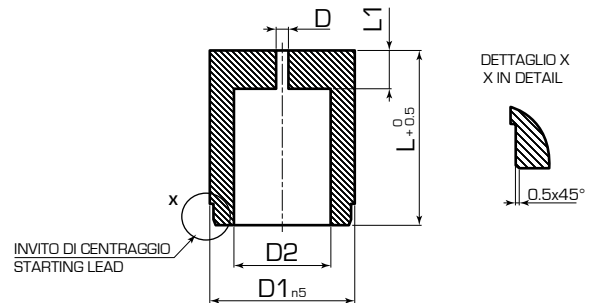
### Description:

Example of purchasing order: **R0606-02-0001**  
 Hardness HWS: HRC 58-62  
 Hardness HSS: HRC 62-66  
 Heat treatment: Hardening (HRC 58-62) + Tempering

Codice Code	D	D1	D2	D3	D4	L1	HWS	HSS
R0606-02	13,8	26	14,8	28	D1-0.02	5	0255	0254
R0606-02	13,9	26	14,9	28	D1-0.02	5	0257	0256
R0606-02	14	26	15	28	D1-0.02	5	0259	0258
R0606-02	14,1	26	15,1	28	D1-0.02	5	0261	0260
R0606-02	14,2	26	15,2	28	D1-0.02	5	0263	0262
R0606-02	14,3	26	15,3	28	D1-0.02	5	0265	0264
R0606-02	14,4	26	15,4	28	D1-0.02	5	0267	0266
R0606-02	14,5	26	15,5	28	D1-0.02	5	0269	0268
R0606-02	14,6	26	15,6	28	D1-0.02	5	0271	0270
R0606-02	14,7	26	15,7	28	D1-0.02	5	0273	0272
R0606-02	14,8	26	15,8	28	D1-0.02	5	0275	0274
R0606-02	14,9	26	15,9	28	D1-0.02	5	0277	0276
R0606-02	15	26	16	28	D1-0.02	5	0279	0278
R0606-02	15,5	30	16,5	32	D1-0.02	5	0280	
R0606-02	16	30	17	32	D1-0.02	5	0281	
R0606-02	16,5	30	17,5	32	D1-0.02	5	0282	
R0606-02	17	30	18	32	D1-0.02	5	0283	
R0606-02	17,5	30	18,5	32	D1-0.02	5	0284	
R0606-02	18	30	19	32	D1-0.02	5	0285	
R0606-02	18,5	35	19,5	37	D1-0.02	5	0286	
R0606-02	19	35	20	37	D1-0.02	5	0287	
R0606-02	19,5	35	20,5	37	D1-0.02	5	0288	
R0606-02	20	35	21	37	D1-0.02	5	0289	
R0606-02	20,5	35	21,5	37	D1-0.02	5	0290	
R0606-02	21	35	22	37	D1-0.02	5	0291	
R0606-02	21,5	35	22,5	37	D1-0.02	5	0292	
R0606-02	22	35	23	37	D1-0.02	5	0293	
R0606-02	22,5	42	23,5	44	D1-0.02	5	0294	
R0606-02	23	42	24	44	D1-0.02	5	0295	
R0606-02	23,5	42	24,5	44	D1-0.02	5	0296	
R0606-02	24	42	25	44	D1-0.02	5	0297	
R0606-02	24,5	42	25,5	44	D1-0.02	5	0298	
R0606-02	25	42	26	44	D1-0.02	5	0299	
R0606-02	25,5	42	26,5	44	D1-0.02	5	0300	
R0606-02	26	42	27	44	D1-0.02	5	0301	
R0606-02	26,5	48	28,5	50	D1-0.02	5	0302	
R0606-02	27	48	29	50	D1-0.02	5	0303	
R0606-02	27,5	48	29,5	50	D1-0.02	5	0304	
R0606-02	28	48	30	50	D1-0.02	5	0305	
R0606-02	28,5	48	30,5	50	D1-0.02	5	0306	
R0606-02	29	48	31	50	D1-0.02	5	0307	
R0606-02	29,5	48	31,5	50	D1-0.02	5	0308	
R0606-02	30	48	32	50	D1-0.02	5	0309	



## R0179 Matrice con preforo ISO 8977A - RAISO8977A Pre-bored die ISO 8977A - RAISO8977A



### Descrizione:

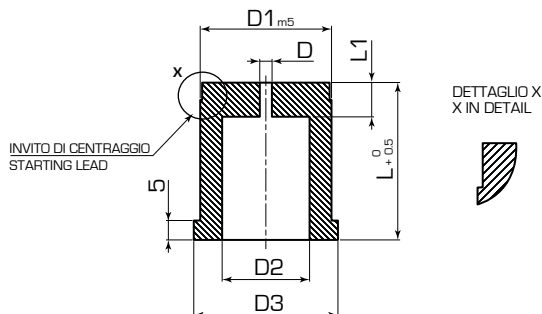
Esempio di ordinativo: R0179-02-0001  
Materiale: HSS  
Trattamento termico: Tempra sottovuoto  
Durezza: HRC 62-66

### Description:

Example of purchasing order: R0179-02-0001  
Material: HSS  
Heat treatment: Vacuum hardening  
Hardness: HRC 62-66

Codice Code	D	D1	D2	L1	L			
					16	20	25	32
R0179-02	1	5	2.8	2	0001	0002	0003	
R0179-02	1	6	3.5	3	0004	0005	0006	
R0179-02	1	8	4	4	0007	0008	0009	0010
R0179-02	1	10	5.8	4	0011	0012	0013	0014
R0179-02	1.2	13	8	5		0015	0016	0017
R0179-02	1.2	16	9.5	5		0018	0019	0020
R0179-02	1.5	20	12	8		0021	0022	0023
R0179-02	1.5	25	17.3	8		0024	0025	0026
R0179-02	1.5	32	20.7	8		0027	0028	0029
R0179-02	1.5	40	27.7	8		0030	0031	0032

## R0180 Matrice con preforo ISO 8977B - RAISO8977B Pre-bored die ISO 8977B - RAISO8977B



### Descrizione:

Esempio di ordinativo: R0180-02-0001  
 Materiale: HSS  
 Trattamento termico: Tempra sottovuoto  
 Durezza: HRC 62-66

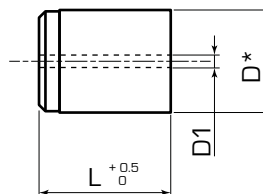
### Description:

Example of purchasing order: R0180-02-0001  
 Material: HSS  
 Heat treatment: Vacuum hardening  
 Hardness: HRC 62-66

Codice Code	D	D1	D2	D3	L1	L			
						16	20	25	32
R0180-02	1	5	2.8	8	2	0001	0002	0003	
R0180-02	1	6	3.5	9	3	0004	0005	0006	
R0180-02	1	8	4	11	4	0007	0008	0009	0010
R0180-02	1	10	5.8	13	4	0011	0012	0013	0014
R0180-02	1.2	13	8	16	5		0015	0016	0017
R0180-02	1.2	16	9.5	19	5		0018	0019	0020
R0180-02	1.5	20	12	24	8		0021	0022	0023
R0180-02	1.5	25	17.3	29	8		0024	0025	0026
R0180-02	1.5	32	20.7	36	8		0027	0028	0029
R0180-02	1.5	40	27.7	44	8		0030	0031	0032

## R0184

Matrice sbozzata senza scarico - RUB  
Button blank press fit with straight thru hole - RUB



### Descrizione:

Esempio di ordinativo: R0184-02-0001  
Materiale: Acciaio M2  
Durezza: HRC 60-63  
\* n5 (8-25) j6 (32-100)

### Description:

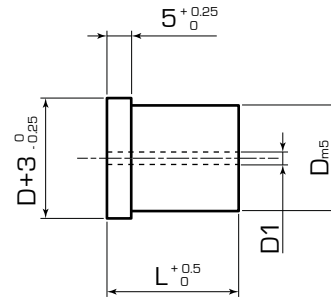
Example of purchasing order: R0184-02-0001  
Material: Steel M2  
Hardness: HRC 60-63  
\* n5 (8-25) j6 (32-100)

Codice Code	D	D1	L						
			20	22	25	28	30	32	35
R0184-02	8	0.8	0001	0002	0003	0004	0005	0006	0007
R0184-02	10	0.8	0008	0009	0010	0011	0012	0013	0014
R0184-02	13	1.6	0015	0016	0017	0018	0019	0020	0021
R0184-02	16	1.6	0022	0023	0024	0025	0026	0027	0028
R0184-02	20	1.6	0029	0030	0031	0032	0033	0034	0035
R0184-02	22	1.6	0036	0037	0038	0039	0040	0041	0042
R0184-02	25	1.6	0043	0044	0045	0046	0047	0048	0049
R0184-02	32	1.6	0050	0051	0052	0053	0054	0055	0056
R0184-02	38	1.6	0057	0058	0059	0060	0061	0062	0063
R0184-02	40	1.6	0064	0065	0066	0067	0068	0069	0070
R0184-02	45	3.2		0071	0072	0073	0074	0075	0076
R0184-02	50	3.2			0077	0078	0079		0080
R0184-02	56	3.2			0081	0082	0083		0084
R0184-02	63	3.2			0085	0086	0087		0088
R0184-02	71	3.2			0089	0090	0091		0092
R0184-02	76	3.2			0093	0094	0095		0096
R0184-02	85	3.2			0097	0098	0099		0100
R0184-02	90	3.2			0101	0102	0103		0104
R0184-02	100	3.2			0105	0106	0107		0108



## R0607

Matrice sbazzata senza scarico con collare - RMB  
Headed button blank press fit with straight thru hole - RMB



### Descrizione:

Esempio di ordinativo: R0607-02-0001  
Materiale: Acciaio M2  
Durezza: HRC 60 - 63

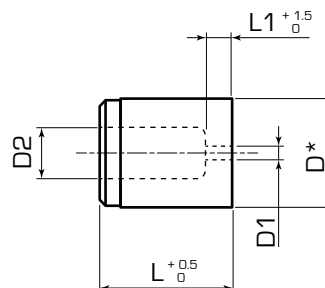
### Description:

Example of purchasing order: R0607-02-0001  
Material: Steel M2  
Hardness: HRC 60 - 63

Codice Code	D	D1	L						
			20	22	25	28	30	32	35
R0607-02	8	0.8	0001	0002	0003	0004	0005	0006	0007
R0607-02	10	0.8	0008	0009	0010	0011	0012	0013	0014
R0607-02	13	1.6	0015	0016	0017	0018	0019	0020	0021
R0607-02	16	1.6	0022	0023	0024	0025	0026	0027	0028
R0607-02	20	1.6	0029	0030	0031	0032	0033	0034	0035
R0607-02	22	1.6	0036	0037	0038	0039	0040	0041	0042
R0607-02	25	1.6	0043	0044	0045	0046	0047	0048	0049
R0607-02	32	1.6	0050	0051	0052	0053	0054	0055	0056
R0607-02	38	1.6	0057	0058	0059	0060	0061	0062	0063
R0607-02	40	1.6	0064	0065	0066	0067	0068	0069	0070
R0607-02	45	3.2		0071	0072	0073	0074	0075	0076

## R0185

Matrice sbozzata con scarico - RDB  
Button blank press fit with counter bore relief - RDB



### Descrizione:

Esempio di ordinativo: R0185-02-0001  
Materiale: Acciaio A2  
Durezza: HRC 58-60  
\* n5 (8-25) j6 (32-100)

### Description:

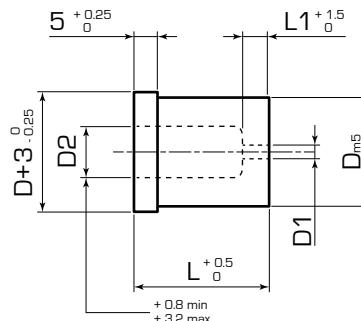
Example of purchasing order: R0185-02-0001  
Material: Steel A2  
Hardness: HRC 58-60  
\* n5 (8-25) j6 (32-100)

Codice Code	D	D1	D2	L1	L						
					20	22	25	28	30	32	35
R0185-02	8	0.8	4	4	0001	0002	0003	0004	0005	0006	0007
R0185-02	10	0.8	6	4	0008	0009	0010	0011	0012	0013	0014
R0185-02	13	1.6	8	5	0015	0016	0017	0018	0019	0020	0021
R0185-02	16	1.6	9.5	5	0022	0023	0024	0025	0026	0027	0028
R0185-02	20	1.6	12	5	0029	0030	0031	0032	0033	0034	0035
R0185-02	22	1.6	15	6	0036	0037	0038	0039	0040	0041	0042
R0185-02	25	1.6	17.5	6	0043	0044	0045	0046	0047	0048	0049
R0185-02	32	1.6	21	6	0050	0051	0052	0053	0054	0055	0056
R0185-02	38	1.6	27	8		0057	0058	0059	0060	0061	0062
R0185-02	40	1.6	27	8		0063	0064	0065	0066	0067	0068

## R0608

Matrice sbazzata con scarico con collare - RIB

Headed button blank press fit with counter bore relief - RIB



### Descrizione:

Esempio di ordinativo: R0608-02-0001

Materiale: Acciaio A2

Durezza: HRC 58-60

### Description:

Example of purchasing order: R0608-02-0001

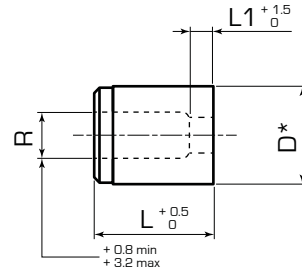
Material: Steel A2

Hardness: HRC 58-60

Codice Code	D	D1	D2	L1	L						
					20	22	25	28	30	32	35
R0608-02	8	0.8	4	4	0001	0002	0003	0004	0005	0006	0007
R0608-02	10	0.8	6	4	0008	0009	0010	0011	0012	0013	0014
R0608-02	13	1.6	8	5	0015	0016	0017	0018	0019	0020	0021
R0608-02	16	1.6	9.5	5	0022	0023	0024	0025	0026	0027	0028
R0608-02	20	1.6	12	5	0029	0030	0031	0032	0033	0034	0035
R0608-02	22	1.6	15	6	0036	0037	0038	0039	0040	0041	0042
R0608-02	25	1.6	17.5	6	0043	0044	0045	0046	0047	0048	0049
R0608-02	32	1.6	21	6	0050	0051	0052	0053	0054	0055	0056
R0608-02	38	1.6	27	8		0057	0058	0059	0060	0061	0062
R0608-02	40	1.6	27	8		0063	0064	0065	0066	0067	0068

## R0188

Matrice press fit liscia - RD\_  
Press fit button counter bore relief - RD\_



\* n5 (8-25)  
j6 (32-100)

### Descrizione:

Esempio di ordinativo: R0188-02\_Tipo\_D\_L\_P\_W\_F\_Angolo

Materiale: Acciaio A2, HRC 60-63  
Acciaio M2, HRC 60-63

Nota: il posizionamento standard è a 0°. Disponibili a 90°, 180°, 270°.  
R è variabile in funzione di P

### Description:

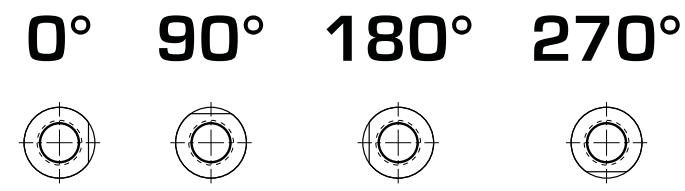
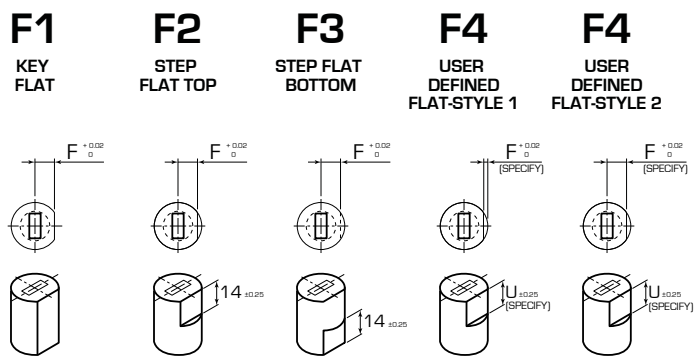
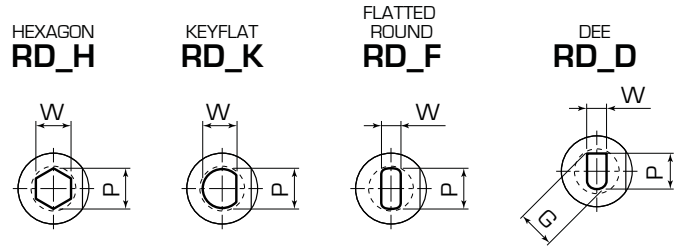
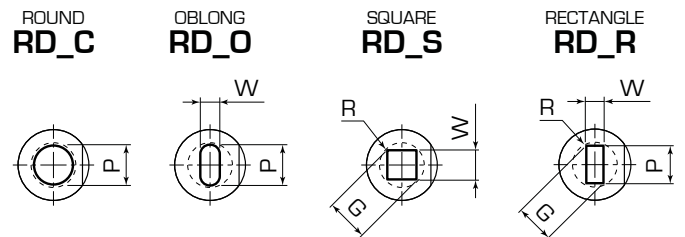
Example of purchasing order: R0188-02\_Type\_D\_L\_P\_W\_F\_Angle

Material: Steel A2, HRC 60-63  
Steel M2 HRC 60-63

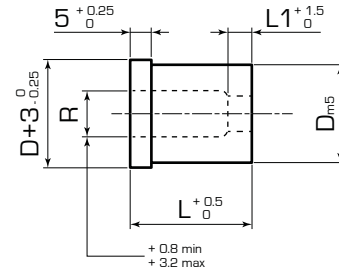
Note: standard flat location is at 0°. Available at 90°, 180°, 270°.  
R is variable, depending on P

Codice Code	D	L1	P	Forma Shape		L						
				Intervallo - Range	MIN W	MAX G/P	20	22	25	28	30	32
R0188-02	8	4	1.50 - 3.20	1.50	3.20	●	●	●	●	●	●	●
R0188-02	10	4	1.60 - 5.00	1.60	5.00	●	●	●	●	●	●	●
R0188-02	13	5	1.80 - 7.20	1.80	7.20	●	●	●	●	●	●	●
R0188-02	16	5	5.00 - 8.80	2.50	8.80	●	●	●	●	●	●	●
R0188-02	20	5	5.50 - 11.00	3.20	11.00	●	●	●	●	●	●	●
R0188-02	22	6	7.50 - 14.00	4.00	14.00	●	●	●	●	●	●	●
R0188-02	25	6	9.50 - 16.50	4.80	16.50	●	●	●	●	●	●	●
R0188-02	32	6	13.00 - 20.00	5.50	20.00	●	●	●	●	●	●	●
R0188-02	38	8	16.00 - 26.00	6.40	26.00	●	●	●	●	●	●	●
R0188-02	40	8	16.60 - 26.00	6.40	26.00	●	●	●	●	●	●	●

Diametro corpo Body diameter	F
10	4.0
13	5.5
16	7.0
20	8.5
22	9.5
25	11.0
32	14.0
38	17.0
40	18.0



## R0189 Matrice press fit con testa - RI\_ Shoulder button counter bore relief - RI\_



### Descrizione:

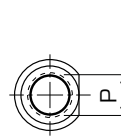
Esempio di ordinativo: **R0189-02\_Tipo\_D\_L\_P\_W\_F\_Angolo**  
 Materiale: Acciaio A2, HRC 60-63  
 Acciaio M2, HRC 60-63  
 Nota: il posizionamento standard è a 0°. Disponibili a 90°, 180°, 270°.  
 R è variabile in funzione di P

### Description:

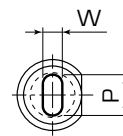
Example of purchasing order: **R0189-02\_Type\_D\_L\_P\_W\_F\_Angle**  
 Material: Steel A2, HRC 60-63  
 Steel M2, HRC 60-63  
 Note: standard flat location is at 0°. Available at 90°, 180°, 270°.  
 R is variable, depending on P

Codice Code	D	L1	P		Forma Shape		L					
			Intervallo - Range	MIN W	MAX G/P	20	22	25	28	30	32	35
R0189-02	8	4	1.50 - 3.20	1.50	3.20	●	●	●	●	●	●	●
R0189-02	10	4	1.60 - 5.00	1.60	5.00	●	●	●	●	●	●	●
R0189-02	13	5	1.80 - 7.20	1.80	7.20	●	●	●	●	●	●	●
R0189-02	16	5	5.00 - 8.80	2.50	8.80	●	●	●	●	●	●	●
R0189-02	20	5	5.50 - 11.00	3.20	11.00	●	●	●	●	●	●	●
R0189-02	22	6	7.50 - 14.00	4.00	14.00	●	●	●	●	●	●	●
R0189-02	25	6	9.50 - 16.50	4.80	16.50	●	●	●	●	●	●	●
R0189-02	32	6	13.00 - 20.00	5.50	20.00	●	●	●	●	●	●	●
R0189-02	38	8	16.00 - 26.00	6.40	26.00	●	●	●	●	●	●	●
R0189-02	40	8	16.60 - 26.00	6.40	26.00	●	●	●	●	●	●	●

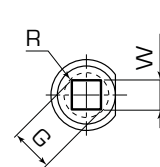
ROUND  
RI\_C



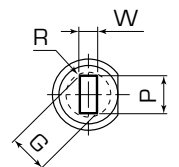
OBLONG  
RI\_O



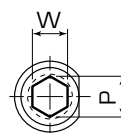
SQUARE  
RI\_S



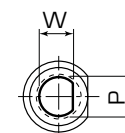
RECTANGLE  
RI\_R



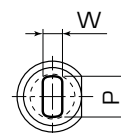
HEXAGON  
RI\_H



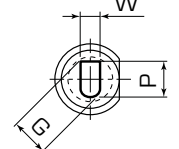
KEYFLAT  
RI\_K



FLATTED ROUND  
RI\_F

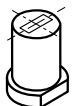
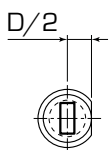


DEE  
RI\_D



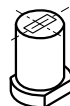
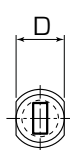
F1

KEY  
FLAT



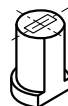
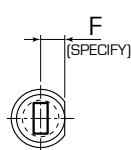
F5

DOUBLE  
FLAT



F6

BODY  
FLAT



0°



90°



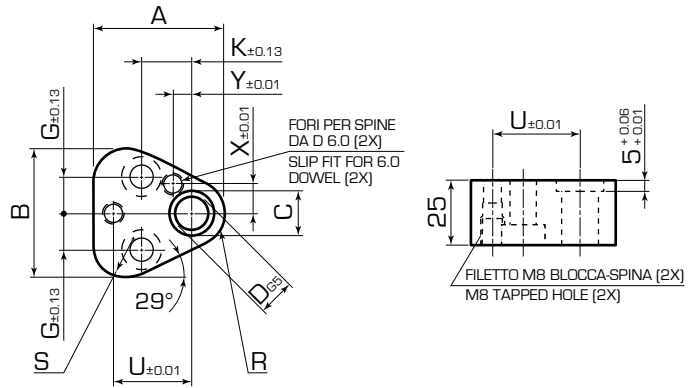
180°



270°



## R0679 Porta-Punzoni con testa tipo ART Headed punch retainers type ART



### Descrizione:

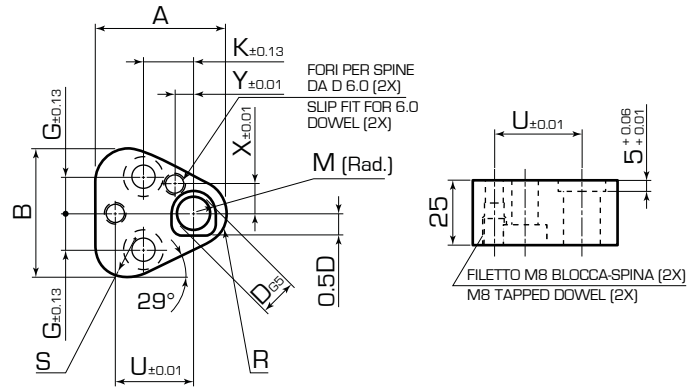
Normativa: ISO 8020, tondi  
Nota: il porta-punzone comprende 2 spine filettate, 2 viti

### Description:

Standard: ISO 8020, round  
Note: this retainer includes 2 tapped dowels, 2 screws

Codice Code	D	A	B	C	G	K	R	S	U	X	Y	Vite Screw
R0679-02-0001	10	44.5	43.7	14	11.1	19	9.5	12	26.925	9	7.5	M8
R0679-02-0002	13	50.8	50	17	14.3	19	12.7	15.2	29.97	12	6.5	M8
R0679-02-0003	16	54	53.2	20	15.9	19	14.3	16.8	31.75	13.5	6	M8
R0679-02-0004	20	60.3	59.5	24	17.5	19	17.5	20	33.53	16.5	5	M10
R0679-02-0005	25	69.9	69.1	29	19.8	23.8	22.2	24.7	40.64	22	7	M12
R0679-02-0006	32	69.9	69.1	36	19.8	23.8	22.2	24.7	40.64	22	7	M12

## R0680 Porta-Punzoni con testa tipo ARTS Headed punch retainers type ARTS



### Descrizione:

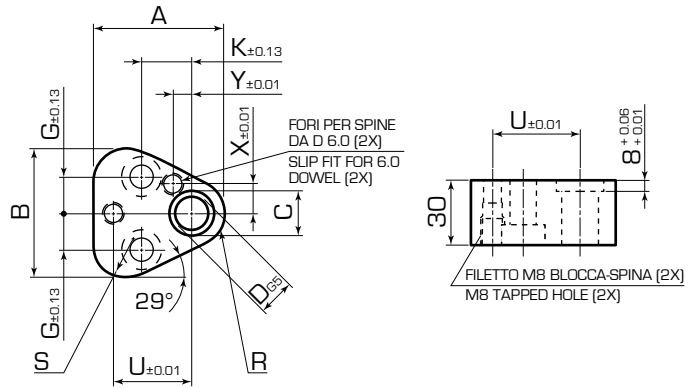
Normativa: ISO 8020, sagome  
Nota: il porta-punzone comprende 2 spine filettate, 2 viti

### Description:

Standard: ISO 8020, form  
Note: this retainer includes 2 tapped dowels, 2 screws

Codice Code	D	A	B	G	K	M	R	S	U	X	Y	Vite Screw
R0680-02-0001	10	44.5	43.7	11.1	19	7	9.5	12	26.925	9	7.5	M8
R0680-02-0002	13	50.8	50	14.3	19	8.5	12.7	15.2	29.97	12	6.5	M8
R0680-02-0003	16	54	53.2	15.9	19	10	14.3	16.8	31.75	13.5	6	M8
R0680-02-0004	20	60.3	59.5	17.5	19	12	17.5	20	33.53	16.5	5	M10
R0680-02-0005	25	69.9	69.1	19.8	23.8	14.5	22.2	24.7	40.64	22	7	M12
R0680-02-0006	32	69.9	69.1	19.8	23.8	18	22.2	24.7	40.64	22	7	M12

## R0681 Porta-Punzoni con testa tipo ARTF Headed punch retainers type ARTF



### Descrizione:

Nota: il porta-punzone comprende 2 spine filettate, 2 viti

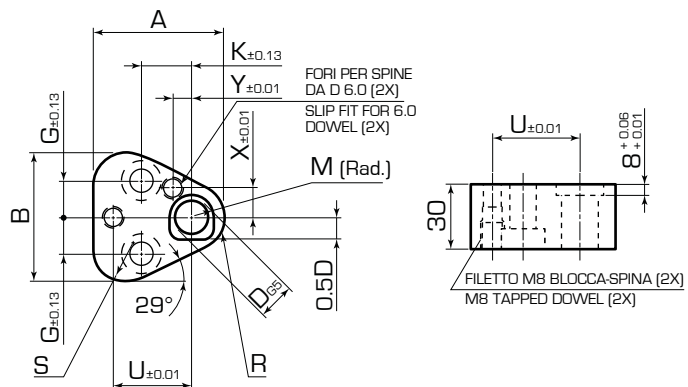
### Description:

Note: this retainer includes 2 tapped dowels, 2 screws

Codice Code	D	A	B	C	G	K	R	S	U	X	Y	Vite Screw
R0681-02-0001	10	44.5	43.7	15.5	11.1	19	9.5	12	26.925	9	7.5	M8
R0681-02-0002	13	50.8	50	18.5	14.3	19	12.7	15.2	29.97	12	6.5	M8
R0681-02-0003	16	54	53.2	21.5	15.9	19	14.3	16.8	31.75	13.5	6	M8
R0681-02-0004	20	60.3	59.5	25.5	17.5	19	17.5	20	33.53	16.5	5	M10
R0681-02-0005	25	69.9	69.1	30.5	19.8	23.8	22.2	24.7	40.64	22	7	M12



## R0682 Porta-Punzoni con testa tipo ARTFS Headed punch retainers type ARTFS



### Descrizione:

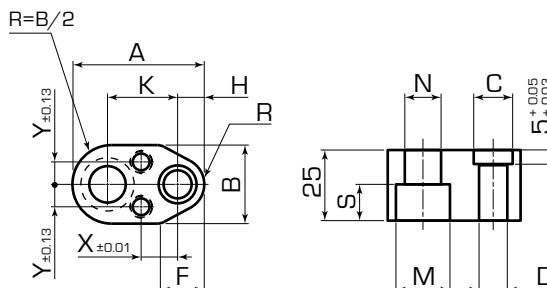
Nota: il porta-punzone comprende 2 spine filettate, 2 viti

### Description:

Note: this retainer includes 2 tapped dowels, 2 screws

Codice Code	D	A	B	G	K	M	R	S	U	X	Y	Vite Screw
R0682-02-0001	10	44.5	43.7	11.1	19	7.75	9.5	12	26.925	9	7.5	M8
R0682-02-0002	13	50.8	50	14.3	19	9.25	12.7	15.2	29.97	12	6.5	M8
R0682-02-0003	16	54	53.2	15.9	19	10.75	14.3	16.8	31.75	13.5	6	M8
R0682-02-0004	20	60.3	59.5	17.5	19	12.75	17.5	20	33.53	16.5	5	M10
R0682-02-0005	25	69.9	69.1	19.8	23.8	15.25	22.2	24.7	40.64	22	7	M12

## R0683 Porta-Punzoni con testa tipo ORT Headed punch retainers type ORT



### Descrizione:

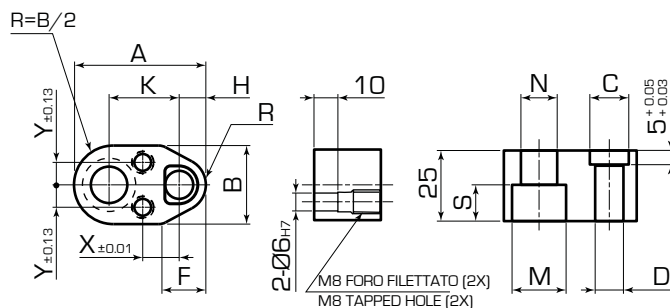
Nota: il porta-punzone comprende 2 spine filettate (6x20), 1 grani

### Description:

Note: this retainer includes 2 tapped dowels (6x20), 1 cap screw

Codice Code	D	A	B	H	F	K	C	M	N	S	R	X	Y	Vite Screw
R0683-02-0001	10.014 - 10.005	47	28	9.5	15.5	25	13.5	19	13	13	9.5	13	8	M12 x 40
R0683-02-0002	13.017 - 13.006	50	28	12.5	12.5	25	16.5	19	13	13	12.5	13	8	M12 x 40
R0683-02-0003	16.017 - 16.006	52	32	14	14	25	19.5	19	13	13	14	13	8	M12 x 40
R0683-02-0004	20.020 - 20.007	55	35	17.5	-	25	23.5	19	13	13	17.5	14	11	M12 x 40
R0683-02-0005	25.020 - 25.007	73	44	22	-	35	28.5	25	17	10	22	20	15	M16 x 45
R0683-02-0006	32.025 - 32.009	73	50	22	22	35	35.5	25	17	10	22	20	15	M16 x 45

## R0684 Porta-Punzoni con testa tipo ORTS Headed punch retainers type ORTS



### Descrizione:

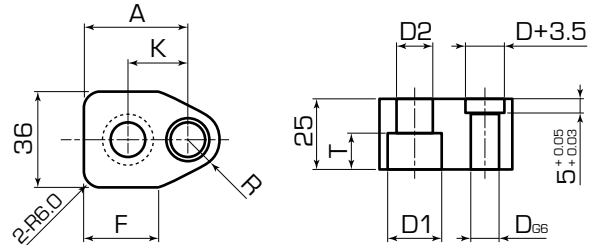
Nota: il porta-punzone comprende 2 spine filettate (6x20), 1 grani

### Description:

Note: this retainer includes 2 tapped dowels (6x20), 1 cap screw

Codice Code	D	A	B	H	F	K	C	M	N	S	R	X	Y	Vite Screw
R0684-02-0001	10.014 - 10.005	47	28	9.5	15.5	25	13.5	19	13	13	9.5	13	8	M12 x 40
R0684-02-0002	13.017 - 13.006	50	28	12.5	12.5	25	16.5	19	13	13	12.5	13	8	M12 x 40
R0684-02-0003	16.017 - 16.006	52	32	14	14	25	19.5	19	13	13	14	13	8	M12 x 40
R0684-02-0004	20.020 - 20.007	55	35	17.5	-	25	23.5	19	13	13	17.5	14	11	M12 x 40
R0684-02-0005	25.020 - 25.007	73	44	22	-	35	28.5	25	17	10	22	20	15	M16 x 45
R0684-02-0006	32.025 - 32.009	73	50	22	22	35	35.5	25	17	10	22	20	15	M16 x 45

## R0685 Porta-Punzoni con testa tipo ERTX Headed punch retainers type ERTX



### Descrizione:

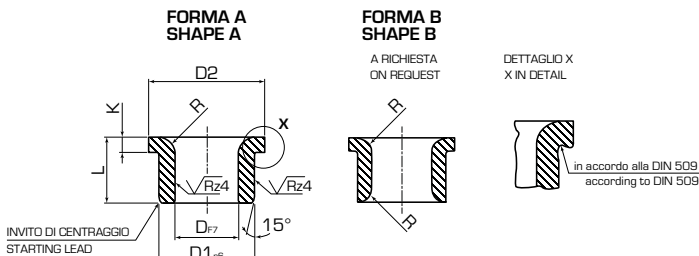
Nota: il porta-punzone comprende 1 grani

### Description:

Note: this retainer includes 1 cap screw

Codice Code	D	K	A	F	R	D1	D2	T	Vite Screw
R0685-02-0001	10.014 - 10.005	22	38	27	11.5	19	13	13	M12 x 40
R0685-02-0002	13.017 - 13.006	22	38	27	11.5	19	13	13	M12 x 40
R0685-02-0003	16.017 - 16.006	26	45	34	14	25	17	17	M16 x 40

## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

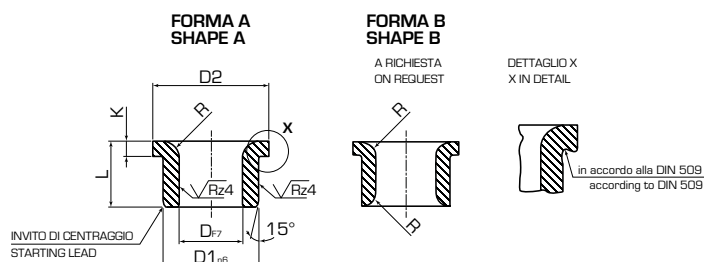
Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	D2	L	K
R0181-02-0001	0.9	3	6	6	2
R0181-02-0002	0.9	3	6	9	2
R0181-02-0003	1	3	6	6	2
R0181-02-0004	1	3	6	9	2
R0181-02-0005	1.1	4	7	6	2
R0181-02-0006	1.1	4	7	9	2
R0181-02-0007	1.2	4	7	6	2
R0181-02-0008	1.2	4	7	9	2
R0181-02-0009	1.3	4	7	6	2
R0181-02-0010	1.3	4	7	9	2
R0181-02-0011	1.4	4	7	6	2
R0181-02-0012	1.4	4	7	9	2
R0181-02-0013	1.5	4	7	6	2
R0181-02-0014	1.5	4	7	9	2
R0181-02-0015	1.6	4	7	6	2
R0181-02-0016	1.6	4	7	9	2
R0181-02-0017	1.7	4	7	6	2
R0181-02-0018	1.7	4	7	9	2
R0181-02-0019	1.8	4	7	6	2
R0181-02-0020	1.8	4	7	9	2
R0181-02-0021	1.9	5	8	6	2
R0181-02-0022	1.9	5	8	9	2
R0181-02-0023	2	5	8	6	2
R0181-02-0024	2	5	8	9	2
R0181-02-0025	2.1	5	8	6	2
R0181-02-0026	2.1	5	8	9	2
R0181-02-0027	2.2	5	8	6	2
R0181-02-0028	2.2	5	8	9	2
R0181-02-0029	2.3	5	8	6	2
R0181-02-0030	2.3	5	8	9	2
R0181-02-0031	2.4	5	8	6	2
R0181-02-0032	2.4	5	8	9	2
R0181-02-0033	2.5	5	8	6	2
R0181-02-0034	2.5	5	8	9	2
R0181-02-0035	2.6	5	8	6	2
R0181-02-0036	2.6	5	8	9	2
R0181-02-0037	2.7	6	9	8	2.5
R0181-02-0038	2.7	6	9	12	2.5
R0181-02-0039	2.7	6	9	16	2.5
R0181-02-0040	2.8	6	9	8	2.5
R0181-02-0041	2.8	6	9	12	2.5
R0181-02-0042	2.8	6	9	16	2.5
R0181-02-0043	2.9	6	9	8	2.5
R0181-02-0044	2.9	6	9	12	2.5
R0181-02-0045	2.9	6	9	16	2.5
R0181-02-0046	3	6	9	8	2.5

Codice Code	D	D1	D2	L	K
R0181-02-0047	3	6	9	12	2.5
R0181-02-0048	3	6	9	16	2.5
R0181-02-0049	3.1	6	9	8	2.5
R0181-02-0050	3.1	6	9	12	2.5
R0181-02-0051	3.1	6	9	16	2.5
R0181-02-0052	3.2	6	9	8	2.5
R0181-02-0053	3.2	6	9	12	2.5
R0181-02-0054	3.2	6	9	16	2.5
R0181-02-0055	3.25	6	9	8	2.5
R0181-02-0056	3.25	6	9	12	2.5
R0181-02-0057	3.25	6	9	16	2.5
R0181-02-0058	3.3	6	9	8	2.5
R0181-02-0059	3.3	6	9	12	2.5
R0181-02-0060	3.3	6	9	16	2.5
R0181-02-0061	3.4	7	10	8	2.5
R0181-02-0062	3.4	7	10	12	2.5
R0181-02-0063	3.4	7	10	16	2.5
R0181-02-0064	3.5	7	10	8	2.5
R0181-02-0065	3.5	7	10	12	2.5
R0181-02-0066	3.5	7	10	16	2.5
R0181-02-0067	3.6	7	10	8	2.5
R0181-02-0068	3.6	7	10	12	2.5
R0181-02-0069	3.6	7	10	16	2.5
R0181-02-0070	3.7	7	10	8	2.5
R0181-02-0071	3.7	7	10	12	2.5
R0181-02-0072	3.7	7	10	16	2.5
R0181-02-0073	3.75	7	10	8	2.5
R0181-02-0074	3.75	7	10	12	2.5
R0181-02-0075	3.75	7	10	16	2.5
R0181-02-0076	3.8	7	10	8	2.5
R0181-02-0077	3.8	7	10	12	2.5
R0181-02-0078	3.8	7	10	16	2.5
R0181-02-0079	3.9	7	10	8	2.5
R0181-02-0080	3.9	7	10	12	2.5
R0181-02-0081	3.9	7	10	16	2.5
R0181-02-0082	4	7	10	8	2.5
R0181-02-0083	4	7	10	12	2.5
R0181-02-0084	4	7	10	16	2.5
R0181-02-0085	4.1	8	11	8	2.5
R0181-02-0086	4.1	8	11	12	2.5
R0181-02-0087	4.1	8	11	16	2.5
R0181-02-0088	4.2	8	11	8	2.5
R0181-02-0089	4.2	8	11	12	2.5
R0181-02-0090	4.2	8	11	16	2.5
R0181-02-0091	4.25	8	11	8	2.5
R0181-02-0092	4.25	8	11	12	2.5

Codice Code	D	D1	D2	L	K
R0181-02-0093	4.25	8	11	16	2.5
R0181-02-0094	4.3	8	11	8	2.5
R0181-02-0095	4.3	8	11	12	2.5
R0181-02-0096	4.3	8	11	16	2.5
R0181-02-0097	4.4	8	11	8	2.5
R0181-02-0098	4.4	8	11	12	2.5
R0181-02-0099	4.4	8	11	16	2.5
R0181-02-0100	4.5	8	11	8	2.5
R0181-02-0101	4.5	8	11	12	2.5
R0181-02-0102	4.5	8	11	16	2.5
R0181-02-0103	4.6	8	11	8	2.5
R0181-02-0104	4.6	8	11	12	2.5
R0181-02-0105	4.6	8	11	16	2.5
R0181-02-0106	4.7	8	11	8	2.5
R0181-02-0107	4.7	8	11	12	2.5
R0181-02-0108	4.7	8	11	16	2.5
R0181-02-0109	4.75	8	11	8	2.5
R0181-02-0110	4.75	8	11	12	2.5
R0181-02-0111	4.75	8	11	16	2.5
R0181-02-0112	4.8	8	11	8	2.5
R0181-02-0113	4.8	8	11	12	2.5
R0181-02-0114	4.8	8	11	16	2.5
R0181-02-0115	4.9	8	11	8	2.5
R0181-02-0116	4.9	8	11	12	2.5
R0181-02-0117	4.9	8	11	16	2.5
R0181-02-0118	5	8	11	8	2.5
R0181-02-0119	5	8	11	12	2.5
R0181-02-0120	5	8	11	16	2.5
R0181-02-0121	5.1	10	13	10	3
R0181-02-0122	5.1	10	13	16	3
R0181-02-0123	5.1	10	13	20	3
R0181-02-0124	5.2	10	13	10	3
R0181-02-0125	5.2	10	13	16	3
R0181-02-0126	5.2	10	13	20	3
R0181-02-0127	5.25	10	13	10	3
R0181-02-0128	5.25	10	13	16	3
R0181-02-0129	5.25	10	13	20	3
R0181-02-0130	5.3	10	13	10	3
R0181-02-0131	5.3	10	13	16	3
R0181-02-0132	5.3	10	13	20	3
R0181-02-0133	5.4	10	13	10	3
R0181-02-0134	5.4	10	13	16	3
R0181-02-0135	5.4	10	13	20	3
R0181-02-0136	5.5	10	13	10	3
R0181-02-0137	5.5	10	13	16	3
R0181-02-0138	5.5	10	13	20	3

## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

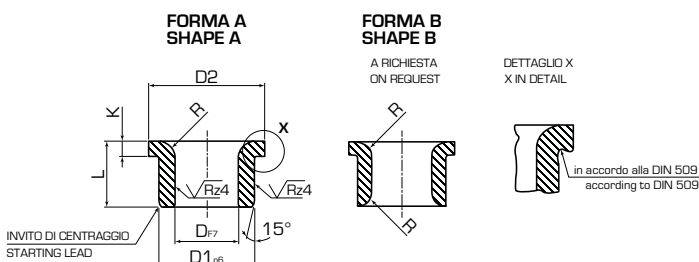
Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	D2	L	K
R0181-02-0139	5.6	10	13	10	3
R0181-02-0140	5.6	10	13	16	3
R0181-02-0141	5.6	10	13	20	3
R0181-02-0142	5.7	10	13	10	3
R0181-02-0143	5.7	10	13	16	3
R0181-02-0144	5.7	10	13	20	3
R0181-02-0145	5.75	10	13	10	3
R0181-02-0146	5.75	10	13	16	3
R0181-02-0147	5.75	10	13	20	3
R0181-02-0148	5.8	10	13	10	3
R0181-02-0149	5.8	10	13	16	3
R0181-02-0150	5.8	10	13	20	3
R0181-02-0151	5.9	10	13	10	3
R0181-02-0152	5.9	10	13	16	3
R0181-02-0153	5.9	10	13	20	3
R0181-02-0154	6	10	13	10	3
R0181-02-0155	6	10	13	16	3
R0181-02-0156	6	10	13	20	3
R0181-02-0157	6.1	12	15	10	3
R0181-02-0158	6.1	12	15	16	3
R0181-02-0159	6.1	12	15	20	3
R0181-02-0160	6.2	12	15	10	3
R0181-02-0161	6.2	12	15	16	3
R0181-02-0162	6.2	12	15	20	3
R0181-02-0163	6.25	12	15	10	3
R0181-02-0164	6.25	12	15	16	3
R0181-02-0165	6.25	12	15	20	3
R0181-02-0166	6.3	12	15	10	3
R0181-02-0167	6.3	12	15	16	3
R0181-02-0168	6.3	12	15	20	3
R0181-02-0169	6.4	12	15	10	3
R0181-02-0170	6.4	12	15	16	3
R0181-02-0171	6.4	12	15	20	3
R0181-02-0172	6.5	12	15	10	3
R0181-02-0173	6.5	12	15	16	3
R0181-02-0174	6.5	12	15	20	3
R0181-02-0175	6.6	12	15	10	3
R0181-02-0176	6.6	12	15	16	3
R0181-02-0177	6.6	12	15	20	3
R0181-02-0178	6.7	12	15	10	3
R0181-02-0179	6.7	12	15	16	3
R0181-02-0180	6.7	12	15	20	3
R0181-02-0181	6.75	12	15	10	3
R0181-02-0182	6.75	12	15	16	3
R0181-02-0183	6.75	12	15	20	3
R0181-02-0184	6.8	12	15	10	3

Codice Code	D	D1	D2	L	K
R0181-02-0185	6.8	12	15	16	3
R0181-02-0186	6.8	12	15	20	3
R0181-02-0187	6.9	12	15	10	3
R0181-02-0188	6.9	12	15	16	3
R0181-02-0189	6.9	12	15	20	3
R0181-02-0190	7	12	15	10	3
R0181-02-0191	7	12	15	16	3
R0181-02-0192	7	12	15	20	3
R0181-02-0193	7.1	12	15	10	3
R0181-02-0194	7.1	12	15	16	3
R0181-02-0195	7.1	12	15	20	3
R0181-02-0196	7.2	12	15	10	3
R0181-02-0197	7.2	12	15	16	3
R0181-02-0198	7.2	12	15	20	3
R0181-02-0199	7.25	12	15	10	3
R0181-02-0200	7.25	12	15	16	3
R0181-02-0201	7.25	12	15	20	3
R0181-02-0202	7.3	12	15	10	3
R0181-02-0203	7.3	12	15	16	3
R0181-02-0204	7.4	12	15	10	3
R0181-02-0205	7.4	12	15	16	3
R0181-02-0206	7.4	12	15	20	3
R0181-02-0207	7.5	12	15	10	3
R0181-02-0208	7.5	12	15	16	3
R0181-02-0209	7.5	12	15	20	3
R0181-02-0210	7.6	12	15	10	3
R0181-02-0211	7.6	12	15	16	3
R0181-02-0212	7.6	12	15	20	3
R0181-02-0213	7.7	12	15	10	3
R0181-02-0214	7.7	12	15	16	3
R0181-02-0215	7.7	12	15	20	3
R0181-02-0216	7.75	12	15	10	3
R0181-02-0217	7.75	12	15	16	3
R0181-02-0218	7.75	12	15	20	3
R0181-02-0219	7.8	12	15	10	3
R0181-02-0220	7.8	12	15	16	3
R0181-02-0221	7.8	12	15	20	3
R0181-02-0222	7.9	12	15	10	3
R0181-02-0223	7.9	12	15	16	3
R0181-02-0224	7.9	12	15	20	3
R0181-02-0225	8	12	15	10	3
R0181-02-0226	8	12	15	16	3
R0181-02-0227	8	12	15	20	3
R0181-02-0228	8.1	15	18	12	3
R0181-02-0229	8.1	15	18	20	3
R0181-02-0230	8.1	15	18	25	3

Codice Code	D	D1	D2	L	K
R0181-02-0231	8.2	15	18	12	3
R0181-02-0232	8.2	15	18	20	3
R0181-02-0233	8.2	15	18	25	3
R0181-02-0234	8.25	15	18	12	3
R0181-02-0235	8.25	15	18	20	3
R0181-02-0236	8.25	15	18	25	3
R0181-02-0237	8.3	15	18	12	3
R0181-02-0238	8.3	15	18	20	3
R0181-02-0239	8.3	15	18	25	3
R0181-02-0240	8.4	15	18	12	3
R0181-02-0241	8.4	15	18	20	3
R0181-02-0242	8.4	15	18	25	3
R0181-02-0243	8.5	15	18	12	3
R0181-02-0244	8.5	15	18	20	3
R0181-02-0245	8.5	15	18	25	3
R0181-02-0246	8.6	15	18	12	3
R0181-02-0247	8.6	15	18	20	3
R0181-02-0248	8.6	15	18	25	3
R0181-02-0249	8.7	15	18	12	3
R0181-02-0250	8.7	15	18	20	3
R0181-02-0251	8.7	15	18	25	3
R0181-02-0252	8.75	15	18	12	3
R0181-02-0253	8.75	15	18	20	3
R0181-02-0254	8.75	15	18	25	3
R0181-02-0255	8.8	15	18	12	3
R0181-02-0256	8.8	15	18	20	3
R0181-02-0257	8.8	15	18	25	3
R0181-02-0258	8.9	15	18	12	3
R0181-02-0259	8.9	15	18	20	3
R0181-02-0260	8.9	15	18	25	3
R0181-02-0261	9	15	18	12	3
R0181-02-0262	9	15	18	20	3
R0181-02-0263	9	15	18	25	4
R0181-02-0264	9.1	15	18	12	3
R0181-02-0265	9.1	15	18	20	3
R0181-02-0266	9.1	15	18	25	3
R0181-02-0267	9.2	15	18	12	3
R0181-02-0268	9.2	15	18	20	3
R0181-02-0269	9.2	15	18	25	3
R0181-02-0270	9.25	15	18	12	3
R0181-02-0271	9.25	15	18	20	3
R0181-02-0272	9.25	15	18	25	3
R0181-02-0273	9.3	15	18	12	3
R0181-02-0274	9.3	15	18	20	3
R0181-02-0275	9.3	15	18	25	3
R0181-02-0276	9.4	15	18	12	3

## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

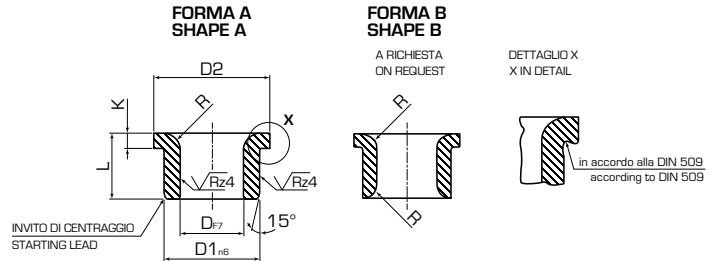
Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	D2	L	K
R0181-02-0277	9.4	15	18	20	3
R0181-02-0278	9.4	15	18	25	3
R0181-02-0279	9.5	15	18	12	3
R0181-02-0280	9.5	15	18	20	3
R0181-02-0281	9.5	15	18	25	3
R0181-02-0282	9.6	15	18	12	3
R0181-02-0283	9.6	15	18	20	3
R0181-02-0284	9.6	15	18	25	3
R0181-02-0285	9.7	15	18	12	3
R0181-02-0286	9.7	15	18	20	3
R0181-02-0287	9.7	15	18	25	3
R0181-02-0288	9.75	15	18	12	3
R0181-02-0289	9.75	15	18	20	3
R0181-02-0290	9.75	15	18	25	3
R0181-02-0291	9.8	15	18	12	3
R0181-02-0292	9.8	15	18	20	3
R0181-02-0293	9.8	15	18	25	3
R0181-02-0294	9.9	15	18	12	3
R0181-02-0295	9.9	15	18	20	3
R0181-02-0296	9.9	15	18	25	3
R0181-02-0297	10	15	18	12	3
R0181-02-0298	10	15	18	20	3
R0181-02-0299	10	15	18	25	3
R0181-02-0300	10.1	18	22	12	4
R0181-02-0301	10.1	18	22	20	4
R0181-02-0302	10.1	18	22	25	4
R0181-02-0303	10.2	18	22	12	4
R0181-02-0304	10.2	18	22	20	4
R0181-02-0305	10.2	18	22	25	4
R0181-02-0306	10.25	18	22	12	4
R0181-02-0307	10.25	18	22	20	4
R0181-02-0308	10.25	18	22	25	4
R0181-02-0309	10.3	18	22	12	4
R0181-02-0310	10.3	18	22	20	4
R0181-02-0311	10.3	18	22	25	4
R0181-02-0312	10.4	18	22	12	4
R0181-02-0313	10.4	18	22	20	4
R0181-02-0314	10.4	18	22	25	4
R0181-02-0315	10.5	18	22	12	4
R0181-02-0316	10.5	18	22	20	4
R0181-02-0317	10.5	18	22	25	4
R0181-02-0318	10.6	18	22	12	4
R0181-02-0319	10.6	18	22	20	4
R0181-02-0320	10.6	18	22	25	4
R0181-02-0321	10.7	18	22	12	4
R0181-02-0322	10.7	18	22	20	4
R0181-02-0323	10.7	18	22	25	4

Codice Code	D	D1	D2	L	K
R0181-02-0324	10.75	18	22	12	4
R0181-02-0325	10.75	18	22	20	4
R0181-02-0326	10.75	18	22	25	4
R0181-02-0327	10.8	18	22	12	4
R0181-02-0328	10.8	18	22	20	4
R0181-02-0329	10.8	18	22	25	4
R0181-02-0330	10.9	18	22	12	4
R0181-02-0331	10.9	18	22	20	4
R0181-02-0332	10.9	18	22	25	4
R0181-02-0333	11	18	22	12	4
R0181-02-0334	11	18	22	20	4
R0181-02-0335	11	18	22	25	4
R0181-02-0336	11.1	18	22	12	4
R0181-02-0337	11.1	18	22	20	4
R0181-02-0338	11.1	18	22	25	4
R0181-02-0339	11.2	18	22	12	4
R0181-02-0340	11.2	18	22	20	4
R0181-02-0341	11.2	18	22	25	4
R0181-02-0342	11.25	18	22	12	4
R0181-02-0343	11.25	18	22	20	4
R0181-02-0344	11.25	18	22	25	4
R0181-02-0345	11.3	18	22	12	4
R0181-02-0346	11.3	18	22	20	4
R0181-02-0347	11.3	18	22	25	4
R0181-02-0348	11.4	18	22	12	4
R0181-02-0349	11.4	18	22	20	4
R0181-02-0350	11.4	18	22	25	4
R0181-02-0351	11.5	18	22	12	4
R0181-02-0352	11.5	18	22	20	4
R0181-02-0353	11.5	18	22	25	4
R0181-02-0354	11.6	18	22	12	4
R0181-02-0355	11.6	18	22	20	4
R0181-02-0356	11.6	18	22	25	4
R0181-02-0357	11.7	18	22	12	4
R0181-02-0358	11.7	18	22	20	4
R0181-02-0359	11.7	18	22	25	4
R0181-02-0360	11.75	18	22	12	4
R0181-02-0361	11.75	18	22	20	4
R0181-02-0362	11.75	18	22	25	4
R0181-02-0363	11.8	18	22	12	4
R0181-02-0364	11.8	18	22	20	4
R0181-02-0365	11.8	18	22	25	4
R0181-02-0366	11.9	18	22	12	4
R0181-02-0367	11.9	18	22	20	4
R0181-02-0368	11.9	18	22	25	4
R0181-02-0369	12	18	22	12	4
R0181-02-0370	12	18	22	20	4

Codice Code	D	D1	D2	L	K
R0181-02-0371	12	18	22	25	4
R0181-02-0372	12.1	22	26	16	4
R0181-02-0373	12.1	22	26	28	4
R0181-02-0374	12.1	22	26	36	4
R0181-02-0375	12.2	22	26	16	4
R0181-02-0376	12.2	22	26	28	4
R0181-02-0377	12.2	22	26	36	4
R0181-02-0378	12.25	22	26	16	4
R0181-02-0379	12.25	22	26	28	4
R0181-02-0380	12.25	22	26	36	4
R0181-02-0381	12.3	22	26	16	4
R0181-02-0382	12.3	22	26	28	4
R0181-02-0383	12.3	22	26	36	4
R0181-02-0384	12.4	22	26	16	4
R0181-02-0385	12.4	22	26	28	4
R0181-02-0386	12.4	22	26	36	4
R0181-02-0387	12.5	22	26	16	4
R0181-02-0388	12.5	22	26	28	4
R0181-02-0389	12.5	22	26	36	4
R0181-02-0390	12.6	22	26	16	4
R0181-02-0391	12.6	22	26	28	4
R0181-02-0392	12.6	22	26	36	4
R0181-02-0393	12.7	22	26	16	4
R0181-02-0394	12.7	22	26	28	4
R0181-02-0395	12.7	22	26	36	4
R0181-02-0396	12.75	22	26	16	4
R0181-02-0397	12.75	22	26	28	4
R0181-02-0398	12.75	22	26	36	4
R0181-02-0399	12.8	22	26	16	4
R0181-02-0400	12.8	22	26	28	4
R0181-02-0401	12.8	22	26	36	4
R0181-02-0402	12.9	22	26	16	4
R0181-02-0403	12.9	22	26	28	4
R0181-02-0404	12.9	22	26	36	4
R0181-02-0405	13	22	26	16	4
R0181-02-0406	13	22	26	28	4
R0181-02-0407	13	22	26	36	4
R0181-02-0408	13.1	22	26	16	4
R0181-02-0409	13.1	22	26	28	4
R0181-02-0410	13.1	22	26	36	4
R0181-02-0411	13.2	22	26	16	4
R0181-02-0412	13.2	22	26	28	4
R0181-02-0413	13.2	22	26	36	4
R0181-02-0414	13.25	22	26	16	4
R0181-02-0415	13.25	22	26	28	4
R0181-02-0416	13.25	22	26	36	4
R0181-02-0417	13.3	22	26	16	4

## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

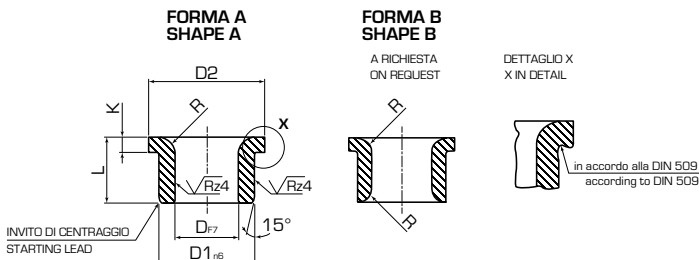
Codice Code	D	D1	D2	L	K
R0181-02-0418	13.3	22	26	28	4
R0181-02-0419	13.3	22	26	36	4
R0181-02-0420	13.4	22	26	16	4
R0181-02-0421	13.4	22	26	28	4
R0181-02-0422	13.4	22	26	36	4
R0181-02-0423	13.5	22	26	16	4
R0181-02-0424	13.5	22	26	28	4
R0181-02-0425	13.5	22	26	36	4
R0181-02-0426	13.6	22	26	16	4
R0181-02-0427	13.6	22	26	28	4
R0181-02-0428	13.6	22	26	36	4
R0181-02-0429	13.7	22	26	16	4
R0181-02-0430	13.7	22	26	28	4
R0181-02-0431	13.7	22	26	36	4
R0181-02-0432	13.8	22	26	16	4
R0181-02-0433	13.8	22	26	28	4
R0181-02-0434	13.8	22	26	36	4
R0181-02-0435	13.9	22	26	16	4
R0181-02-0436	13.9	22	26	28	4
R0181-02-0437	13.9	22	26	36	4
R0181-02-0438	14	22	26	16	4
R0181-02-0439	14	22	26	28	4
R0181-02-0440	14	22	26	36	4
R0181-02-0441	14.1	22	26	16	4
R0181-02-0442	14.1	22	26	28	4
R0181-02-0443	14.1	22	26	36	4
R0181-02-0444	14.2	22	26	16	4
R0181-02-0445	14.2	22	26	28	4
R0181-02-0446	14.2	22	26	36	4
R0181-02-0447	14.25	22	26	16	4
R0181-02-0448	14.25	22	26	28	4
R0181-02-0449	14.25	22	26	36	4
R0181-02-0450	14.3	22	26	16	4
R0181-02-0451	14.3	22	26	28	4
R0181-02-0452	14.3	22	26	36	4
R0181-02-0453	14.4	22	26	16	4
R0181-02-0454	14.4	22	26	28	4
R0181-02-0455	14.4	22	26	36	4
R0181-02-0456	14.5	22	26	16	4
R0181-02-0457	14.5	22	26	28	4
R0181-02-0458	14.5	22	26	36	4
R0181-02-0459	14.6	22	26	16	4
R0181-02-0460	14.6	22	26	28	4
R0181-02-0461	14.6	22	26	36	4
R0181-02-0462	14.7	22	26	16	4
R0181-02-0463	14.7	22	26	28	4
R0181-02-0464	14.7	22	26	36	4

Codice Code	D	D1	D2	L	K
R0181-02-0465	14.75	22	26	16	4
R0181-02-0466	14.75	22	26	28	4
R0181-02-0467	14.75	22	26	36	4
R0181-02-0468	14.8	22	26	16	4
R0181-02-0469	14.8	22	26	28	4
R0181-02-0470	14.8	22	26	36	4
R0181-02-0471	14.9	22	26	16	4
R0181-02-0472	14.9	22	26	28	4
R0181-02-0473	14.9	22	26	36	4
R0181-02-0474	15	22	26	16	4
R0181-02-0475	15	22	26	28	4
R0181-02-0476	15	22	26	36	4
R0181-02-0477	15.25	26	30	16	4
R0181-02-0478	15.25	26	30	28	4
R0181-02-0479	15.25	26	30	36	4
R0181-02-0480	15.5	26	30	16	4
R0181-02-0481	15.5	26	30	28	4
R0181-02-0482	15.5	26	30	36	4
R0181-02-0483	15.75	26	30	16	4
R0181-02-0484	15.75	26	30	28	4
R0181-02-0485	15.75	26	30	36	4
R0181-02-0486	16	26	30	16	4
R0181-02-0487	16	26	30	28	4
R0181-02-0488	16	26	30	36	4
R0181-02-0489	16.25	26	30	16	4
R0181-02-0490	16.25	26	30	28	4
R0181-02-0491	16.25	26	30	36	4
R0181-02-0492	16.5	26	30	16	4
R0181-02-0493	16.5	26	30	28	4
R0181-02-0494	16.5	26	30	36	4
R0181-02-0495	16.75	26	30	16	4
R0181-02-0496	16.75	26	30	28	4
R0181-02-0497	16.75	26	30	36	4
R0181-02-0498	17	26	30	16	4
R0181-02-0499	17	26	30	28	4
R0181-02-0500	17	26	30	36	4
R0181-02-0501	17.25	26	30	16	4
R0181-02-0502	17.25	26	30	28	4
R0181-02-0503	17.25	26	30	36	4
R0181-02-0504	17.5	26	30	16	4
R0181-02-0505	17.5	26	30	28	4
R0181-02-0506	17.5	26	30	36	4
R0181-02-0507	17.75	26	30	16	4
R0181-02-0508	17.75	26	30	28	4
R0181-02-0509	17.75	26	30	36	4
R0181-02-0510	18	26	30	16	4
R0181-02-0511	18	26	30	28	4

Codice Code	D	D1	D2	L	K
R0181-02-0512	18	26	30	36	4
R0181-02-0513	18.25	30	34	20	5
R0181-02-0514	18.25	30	34	36	5
R0181-02-0515	18.5	30	34	20	5
R0181-02-0516	18.5	30	34	36	5
R0181-02-0517	18.75	30	34	20	5
R0181-02-0518	18.75	30	34	36	5
R0181-02-0519	19	30	34	20	5
R0181-02-0520	19	30	34	36	5
R0181-02-0521	19	30	34	45	5
R0181-02-0522	19.25	30	34	20	5
R0181-02-0523	19.25	30	34	36	5
R0181-02-0524	19.5	30	34	20	5
R0181-02-0525	19.5	30	34	36	5
R0181-02-0526	19.75	30	34	20	5
R0181-02-0527	19.75	30	34	36	5
R0181-02-0528	20	30	34	20	5
R0181-02-0529	20	30	34	36	5
R0181-02-0530	20	30	34	45	5
R0181-02-0531	20.25	30	34	20	5
R0181-02-0532	20.25	30	34	36	5
R0181-02-0533	20.5	30	34	20	5
R0181-02-0534	20.5	30	34	36	5
R0181-02-0535	20.75	30	34	20	5
R0181-02-0536	20.75	30	34	36	5
R0181-02-0537	21	30	34	20	5
R0181-02-0538	21	30	34	36	5
R0181-02-0539	21	30	34	45	5
R0181-02-0540	21.25	30	34	20	5
R0181-02-0541	21.25	30	34	36	5
R0181-02-0542	21.5	30	34	20	5
R0181-02-0543	21.5	30	34	36	5
R0181-02-0544	21.75	30	34	20	5
R0181-02-0545	21.75	30	34	36	5
R0181-02-0546	22	30	34	20	5
R0181-02-0547	22	30	34	36	5
R0181-02-0548	22	30	34	45	5
R0181-02-0549	22.25	35	39	20	5
R0181-02-0550	22.25	35	39	36	5
R0181-02-0551	22.5	35	39	20	5
R0181-02-0552	22.5	35	39	36	5
R0181-02-0553	22.75	35	39	20	5
R0181-02-0554	22.75	35	39	36	5
R0181-02-0555	23	35	39	20	5
R0181-02-0556	23	35	39	36	5
R0181-02-0557	23	35	39	45	5
R0181-02-0558	23.25	35	39	20	5



## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

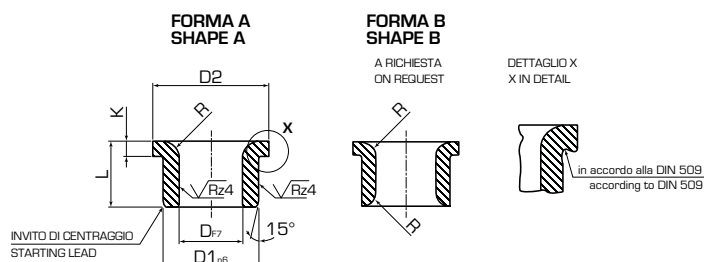
Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	D2	L	K
R0181-02-0559	23.25	35	39	36	5
R0181-02-0560	23.5	35	39	20	5
R0181-02-0561	23.5	35	39	36	5
R0181-02-0562	23.75	35	39	20	5
R0181-02-0563	23.75	35	39	36	5
R0181-02-0564	24	35	39	20	5
R0181-02-0565	24	35	39	36	5
R0181-02-0566	24	35	39	45	5
R0181-02-0567	24.25	35	39	20	5
R0181-02-0568	24.25	35	39	36	5
R0181-02-0569	24.5	35	39	20	5
R0181-02-0570	24.5	35	39	36	5
R0181-02-0571	24.75	35	39	20	5
R0181-02-0572	24.75	35	39	36	5
R0181-02-0573	25	35	39	20	5
R0181-02-0574	25	35	39	36	5
R0181-02-0575	25	35	39	45	5
R0181-02-0576	25.25	35	39	20	5
R0181-02-0577	25.25	35	39	36	5
R0181-02-0578	25.5	35	39	20	5
R0181-02-0579	25.5	35	39	36	5
R0181-02-0580	25.75	35	39	20	5
R0181-02-0581	25.75	35	39	36	5
R0181-02-0582	26	35	39	20	5
R0181-02-0583	26	35	39	36	5
R0181-02-0584	26	35	39	45	5
R0181-02-0585	26.25	42	46	20	5
R0181-02-0586	26.25	42	46	25	5
R0181-02-0587	26.25	42	46	36	5
R0181-02-0588	26.25	42	46	45	5
R0181-02-0589	26.5	42	46	20	5
R0181-02-0590	26.5	42	46	25	5
R0181-02-0591	26.5	42	46	36	5
R0181-02-0592	26.5	42	46	45	5
R0181-02-0593	26.75	42	46	20	5
R0181-02-0594	26.75	42	46	25	5
R0181-02-0595	26.75	42	46	36	5
R0181-02-0596	26.75	42	46	45	5
R0181-02-0597	27	42	46	20	5
R0181-02-0598	27	42	46	25	5
R0181-02-0599	27	42	46	36	5
R0181-02-0600	27	42	46	45	5
R0181-02-0601	27	42	46	56	5
R0181-02-0602	27.25	42	46	20	5
R0181-02-0603	27.25	42	46	25	5
R0181-02-0604	27.25	42	46	36	5
R0181-02-0605	27.25	42	46	45	5

Codice Code	D	D1	D2	L	K
R0181-02-0606	27.5	42	46	20	5
R0181-02-0607	27.5	42	46	25	5
R0181-02-0608	27.5	42	46	36	5
R0181-02-0609	27.5	42	46	45	5
R0181-02-0610	27.75	42	46	20	5
R0181-02-0611	27.75	42	46	25	5
R0181-02-0612	27.75	42	46	36	5
R0181-02-0613	27.75	42	46	45	5
R0181-02-0614	28	42	46	20	5
R0181-02-0615	28	42	46	25	5
R0181-02-0616	28	42	46	36	5
R0181-02-0617	28	42	46	45	5
R0181-02-0618	28	42	46	56	5
R0181-02-0619	28.25	42	46	20	5
R0181-02-0620	28.25	42	46	25	5
R0181-02-0621	28.25	42	46	36	5
R0181-02-0622	28.25	42	46	45	5
R0181-02-0623	28.5	42	46	20	5
R0181-02-0624	28.5	42	46	25	5
R0181-02-0625	28.5	42	46	36	5
R0181-02-0626	28.5	42	46	45	5
R0181-02-0627	28.75	42	46	20	5
R0181-02-0628	28.75	42	46	25	5
R0181-02-0629	28.75	42	46	36	5
R0181-02-0630	28.75	42	46	45	5
R0181-02-0631	29	42	46	20	5
R0181-02-0632	29	42	46	25	5
R0181-02-0633	29	42	46	36	5
R0181-02-0634	29	42	46	45	5
R0181-02-0635	29	42	46	56	5
R0181-02-0636	29.25	42	46	20	5
R0181-02-0637	29.25	42	46	25	5
R0181-02-0638	29.25	42	46	36	5
R0181-02-0639	29.25	42	46	45	5
R0181-02-0640	29.5	42	46	20	5
R0181-02-0641	29.5	42	46	25	5
R0181-02-0642	29.5	42	46	36	5
R0181-02-0643	29.5	42	46	45	5
R0181-02-0644	29.75	42	46	20	5
R0181-02-0645	29.75	42	46	25	5
R0181-02-0646	29.75	42	46	36	5
R0181-02-0647	29.75	42	46	45	5
R0181-02-0648	30	42	46	20	5
R0181-02-0649	30	42	46	25	5
R0181-02-0650	30	42	46	36	5
R0181-02-0651	30	42	46	45	5
R0181-02-0652	30	42	46	56	5

Codice Code	D	D1	D2	L	K
R0181-02-0653	30.25	48	52	25	5
R0181-02-0654	30.25	48	52	45	5
R0181-02-0655	30.5	48	52	25	5
R0181-02-0656	30.5	48	52	45	5
R0181-02-0657	30.75	48	52	25	5
R0181-02-0658	30.75	48	52	45	5
R0181-02-0659	31	48	52	25	5
R0181-02-0660	31	48	52	45	5
R0181-02-0661	31.25	48	52	25	5
R0181-02-0662	31.25	48	52	45	5
R0181-02-0663	31.5	48	52	25	5
R0181-02-0664	31.5	48	52	45	5
R0181-02-0665	31.75	48	52	25	5
R0181-02-0666	31.75	48	52	45	5
R0181-02-0667	32	48	52	25	5
R0181-02-0668	32	48	52	45	5
R0181-02-0669	32.25	48	52	25	5
R0181-02-0670	32.25	48	52	45	5
R0181-02-0671	32.5	48	52	25	5
R0181-02-0672	32.5	48	52	45	5
R0181-02-0673	32.75	48	52	25	5
R0181-02-0674	32.75	48	52	45	5
R0181-02-0675	33	48	52	25	5
R0181-02-0676	33	48	52	45	5
R0181-02-0677	33.25	48	52	25	5
R0181-02-0678	33.25	48	52	45	5
R0181-02-0679	33.5	48	52	25	5
R0181-02-0680	33.5	48	52	45	5
R0181-02-0681	33.75	48	52	25	5
R0181-02-0682	33.75	48	52	45	5
R0181-02-0683	34	48	52	25	5
R0181-02-0684	34	48	52	45	5
R0181-02-0685	34.25	48	52	25	5
R0181-02-0686	34.25	48	52	45	5
R0181-02-0687	34.5	48	52	25	5
R0181-02-0688	34.5	48	52	45	5
R0181-02-0689	34.75	48	52	25	5
R0181-02-0690	34.75	48	52	45	5
R0181-02-0691	35	48	52	25	5
R0181-02-0692	35	48	52	45	5
R0181-02-0693	35.5	55	59	25	5
R0181-02-0694	35.5	55	59	30	5
R0181-02-0695	35.5	55	59	45	5
R0181-02-0696	35.5	55	59	56	5
R0181-02-0697	36	55	59	25	5
R0181-02-0698	36	55	59	30	5
R0181-02-0699	36	55	59	45	5

## R0181 Bussola di mascheraggio con collare DIN 172 - BDIN172 Headed drill bush DIN 172 - BDIN172



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

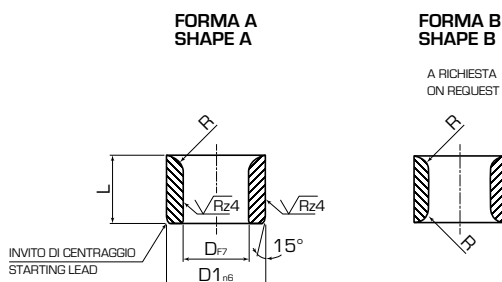
Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	D2	L	K
R0181-02-0700	36	55	59	56	5
R0181-02-0701	36.5	55	59	25	5
R0181-02-0702	36.5	55	59	30	5
R0181-02-0703	36.5	55	59	45	5
R0181-02-0704	36.5	55	59	56	5
R0181-02-0705	37	55	59	25	5
R0181-02-0706	37	55	59	30	5
R0181-02-0707	37	55	59	45	5
R0181-02-0708	37	55	59	56	5
R0181-02-0709	37.5	55	59	25	5
R0181-02-0710	37.5	55	59	30	5
R0181-02-0711	37.5	55	59	45	5
R0181-02-0712	37.5	55	59	56	5
R0181-02-0713	38	55	59	25	5
R0181-02-0714	38	55	59	30	5
R0181-02-0715	38	55	59	45	5
R0181-02-0716	38	55	59	56	5
R0181-02-0717	38.5	55	59	25	5
R0181-02-0718	38.5	55	59	30	5
R0181-02-0719	38.5	55	59	45	5
R0181-02-0720	38.5	55	59	56	5
R0181-02-0721	39	55	59	25	5
R0181-02-0722	39	55	59	30	5
R0181-02-0723	39	55	59	45	5
R0181-02-0724	39	55	59	56	5
R0181-02-0725	39.5	55	59	25	5
R0181-02-0726	39.5	55	59	30	5
R0181-02-0727	39.5	55	59	45	5
R0181-02-0728	39.5	55	59	56	5
R0181-02-0729	40	55	59	25	5
R0181-02-0730	40	55	59	30	5
R0181-02-0731	40	55	59	45	5
R0181-02-0732	40	55	59	56	5
R0181-02-0733	40.5	55	59	25	5
R0181-02-0734	40.5	55	59	30	5
R0181-02-0735	40.5	55	59	45	5
R0181-02-0736	40.5	55	59	56	5
R0181-02-0737	41	55	59	25	5
R0181-02-0738	41	55	59	30	5
R0181-02-0739	41	55	59	45	5
R0181-02-0740	41	55	59	56	5
R0181-02-0741	41.5	55	59	25	5

Codice Code	D	D1	D2	L	K
R0181-02-0742	41.5	55	59	30	5
R0181-02-0743	41.5	55	59	45	5
R0181-02-0744	41.5	55	59	56	5
R0181-02-0745	42	55	59	25	5
R0181-02-0746	42	55	59	30	5
R0181-02-0747	42	55	59	45	5
R0181-02-0748	42	55	59	56	5
R0181-02-0749	42.5	62	66	30	6
R0181-02-0750	42.5	62	66	56	6
R0181-02-0751	43	62	66	30	6
R0181-02-0752	43	62	66	56	6
R0181-02-0753	43.5	62	66	30	6
R0181-02-0754	43.5	62	66	56	6
R0181-02-0755	44	62	66	30	6
R0181-02-0756	44	62	66	56	6
R0181-02-0757	44.5	62	66	30	6
R0181-02-0758	44.5	62	66	56	6
R0181-02-0759	45	62	66	30	6
R0181-02-0760	45	62	66	56	6
R0181-02-0761	45.5	62	66	30	6
R0181-02-0762	45.5	62	66	56	6
R0181-02-0763	46	62	66	30	6
R0181-02-0764	46	62	66	56	6
R0181-02-0765	46.5	62	66	30	6
R0181-02-0766	46.5	62	66	56	6
R0181-02-0767	47	62	66	30	6
R0181-02-0768	47	62	66	56	6
R0181-02-0769	47.5	62	66	30	6
R0181-02-0770	47.5	62	66	56	6
R0181-02-0771	48	62	66	30	6
R0181-02-0772	48	62	66	56	6
R0181-02-0773	48.5	70	74	30	6
R0181-02-0774	48.5	70	74	56	6
R0181-02-0775	49	70	74	30	6
R0181-02-0776	49	70	74	56	6
R0181-02-0777	49.5	70	74	30	6
R0181-02-0778	49.5	70	74	56	6
R0181-02-0779	50	70	74	30	6
R0181-02-0780	50	70	74	56	6
R0181-02-0781	50.1	70	74	56	6
R0181-02-0782	50.5	70	74	30	6
R0181-02-0783	50.5	70	74	56	6

Codice Code	D	D1	D2	L	K
R0181-02-0784	51	70	74	30	6
R0181-02-0785	51	70	74	56	6
R0181-02-0786	51.5	70	74	30	6
R0181-02-0787	51.5	70	74	56	6
R0181-02-0788	52	70	74	30	6
R0181-02-0789	52	70	74	56	6
R0181-02-0790	52.5	70	74	30	6
R0181-02-0791	52.5	70	74	56	6
R0181-02-0792	53	70	74	30	6
R0181-02-0793	53	70	74	56	6
R0181-02-0794	53.5	70	74	30	6
R0181-02-0795	53.5	70	74	56	6
R0181-02-0796	54	70	74	30	6
R0181-02-0797	54	70	74	56	6
R0181-02-0798	54.5	70	74	30	6
R0181-02-0799	54.5	70	74	56	6
R0181-02-0800	55	70	74	30	6
R0181-02-0801	55	70	74	56	6
R0181-02-0802	56	78	82	35	6
R0181-02-0803	56	78	82	67	6
R0181-02-0804	56	78	82	72	6
R0181-02-0805	57	78	82	35	6
R0181-02-0806	57	78	82	67	6
R0181-02-0807	57	78	82	72	6
R0181-02-0808	58	78	82	35	6
R0181-02-0809	58	78	82	67	6
R0181-02-0810	58	78	82	72	6
R0181-02-0811	59	78	82	35	6
R0181-02-0812	59	78	82	67	6
R0181-02-0813	59	78	82	72	6
R0181-02-0814	60	78	82	35	6
R0181-02-0815	60	78	82	67	6
R0181-02-0816	60	78	82	72	6
R0181-02-0817	61	78	82	35	6
R0181-02-0818	61	78	82	67	6
R0181-02-0819	61	78	82	72	6
R0181-02-0820	62	78	82	35	6
R0181-02-0821	62	78	82	67	6
R0181-02-0822	62	78	82	72	6
R0181-02-0823	63	78	82	35	6
R0181-02-0824	63	78	82	67	6
R0181-02-0825	63	78	82	72	6

## R0182 Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179



### Descrizione:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

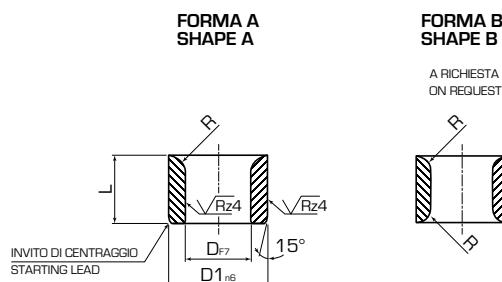
Codice Code	D	D1	L
R0182-02-0001	0.9	3	6
R0182-02-0002	0.9	3	9
R0182-02-0003	1	3	6
R0182-02-0004	1	3	9
R0182-02-0005	1.1	4	6
R0182-02-0006	1.1	4	9
R0182-02-0007	1.2	4	6
R0182-02-0008	1.2	4	9
R0182-02-0009	1.3	4	6
R0182-02-0010	1.3	4	9
R0182-02-0011	1.4	4	6
R0182-02-0012	1.4	4	9
R0182-02-0013	1.5	4	6
R0182-02-0014	1.5	4	9
R0182-02-0015	1.6	4	6
R0182-02-0016	1.6	4	9
R0182-02-0017	1.7	4	6
R0182-02-0018	1.7	4	9
R0182-02-0019	1.8	4	6
R0182-02-0020	1.8	4	9
R0182-02-0021	1.9	5	6
R0182-02-0022	1.9	5	9
R0182-02-0023	2	5	6
R0182-02-0024	2	5	9
R0182-02-0025	2.1	5	6
R0182-02-0026	2.1	5	9
R0182-02-0027	2.2	5	6
R0182-02-0028	2.2	5	9
R0182-02-0029	2.25	5	6
R0182-02-0030	2.25	5	9
R0182-02-0031	2.3	5	6
R0182-02-0032	2.3	5	9
R0182-02-0033	2.4	5	6
R0182-02-0034	2.4	5	9
R0182-02-0035	2.5	5	6
R0182-02-0036	2.5	5	9
R0182-02-0037	2.6	5	6
R0182-02-0038	2.6	5	9
R0182-02-0039	2.7	6	8
R0182-02-0040	2.7	6	12
R0182-02-0041	2.7	6	16
R0182-02-0042	2.75	6	8
R0182-02-0043	2.75	6	12
R0182-02-0044	2.75	6	16
R0182-02-0045	2.8	6	8
R0182-02-0046	2.8	6	12

Codice Code	D	D1	L
R0182-02-0047	2.8	6	16
R0182-02-0048	2.9	6	8
R0182-02-0049	2.9	6	12
R0182-02-0050	2.9	6	16
R0182-02-0051	3	6	8
R0182-02-0052	3	6	12
R0182-02-0053	3	6	16
R0182-02-0054	3.1	6	8
R0182-02-0055	3.1	6	12
R0182-02-0056	3.1	6	16
R0182-02-0057	3.2	6	8
R0182-02-0058	3.2	6	12
R0182-02-0059	3.2	6	16
R0182-02-0060	3.25	6	8
R0182-02-0061	3.25	6	12
R0182-02-0062	3.25	6	16
R0182-02-0063	3.3	6	8
R0182-02-0064	3.3	6	12
R0182-02-0825	3.3	6	16
R0182-02-0065	3.4	7	8
R0182-02-0066	3.4	7	12
R0182-02-0067	3.4	7	16
R0182-02-0068	3.5	7	8
R0182-02-0069	3.5	7	12
R0182-02-0070	3.5	7	16
R0182-02-0071	3.6	7	8
R0182-02-0072	3.6	7	12
R0182-02-0073	3.6	7	16
R0182-02-0074	3.7	7	8
R0182-02-0075	3.7	7	12
R0182-02-0076	3.7	7	16
R0182-02-0077	3.75	7	8
R0182-02-0078	3.75	7	12
R0182-02-0079	3.75	7	16
R0182-02-0080	3.8	7	8
R0182-02-0081	3.8	7	12
R0182-02-0082	3.8	7	16
R0182-02-0083	3.9	7	8
R0182-02-0084	3.9	7	12
R0182-02-0085	3.9	7	16
R0182-02-0086	4	7	8
R0182-02-0087	4	7	12
R0182-02-0088	4	7	16
R0182-02-0089	4.1	8	8
R0182-02-0090	4.1	8	12
R0182-02-0091	4.1	8	16

Codice Code	D	D1	L
R0182-02-0092	4.2	8	8
R0182-02-0093	4.2	8	12
R0182-02-0094	4.2	8	16
R0182-02-0095	4.25	8	8
R0182-02-0096	4.25	8	12
R0182-02-0097	4.25	8	16
R0182-02-0098	4.3	8	8
R0182-02-0099	4.3	8	12
R0182-02-0100	4.3	8	16
R0182-02-0101	4.4	8	8
R0182-02-0102	4.4	8	12
R0182-02-0103	4.4	8	16
R0182-02-0104	4.5	8	8
R0182-02-0105	4.5	8	12
R0182-02-0106	4.5	8	16
R0182-02-0107	4.6	8	8
R0182-02-0108	4.6	8	12
R0182-02-0109	4.6	8	16
R0182-02-0110	4.7	8	8
R0182-02-0111	4.7	8	12
R0182-02-0112	4.7	8	16
R0182-02-0113	4.75	8	8
R0182-02-0114	4.75	8	12
R0182-02-0115	4.75	8	16
R0182-02-0116	4.8	8	8
R0182-02-0117	4.8	8	12
R0182-02-0118	4.8	8	16
R0182-02-0119	4.9	8	8
R0182-02-0120	4.9	8	12
R0182-02-0121	4.9	8	16
R0182-02-0122	5	8	8
R0182-02-0123	5	8	12
R0182-02-0124	5	8	16
R0182-02-0125	5.1	10	10
R0182-02-0126	5.1	10	16
R0182-02-0127	5.1	10	20
R0182-02-0128	5.2	10	10
R0182-02-0129	5.2	10	16
R0182-02-0130	5.2	10	20
R0182-02-0131	5.25	10	10
R0182-02-0132	5.25	10	16
R0182-02-0133	5.25	10	20
R0182-02-0134	5.3	10	10
R0182-02-0135	5.3	10	16
R0182-02-0136	5.3	10	20
R0182-02-0137	5.4	10	10

Codice Code	D	D1	L
R0182-02-0138	5.4	10	16
R0182-02-0139	5.4	10	20
R0182-02-0140	5.5	10	10
R0182-02-0141	5.5	10	16
R0182-02-0142	5.5	10	20
R0182-02-0143	5.6	10	10
R0182-02-0144	5.6	10	16
R0182-02-0145	5.6	10	20
R0182-02-0146	5.7	10	10
R0182-02-0147	5.7	10	16
R0182-02-0148	5.7	10	20
R0182-02-0149	5.75	10	10
R0182-02-0150	5.75	10	16
R0182-02-0151	5.75	10	20
R0182-02-0152	5.8	10	10
R0182-02-0153	5.8	10	16
R0182-02-0154	5.8	10	20
R0182-02-0155	5.9	10	10
R0182-02-0156	5.9	10	16
R0182-02-0157	5.9	10	20
R0182-02-0158	6	10	10
R0182-02-0159	6	10	16
R0182-02-0160	6	10	20
R0182-02-0161	6.1	12	10
R0182-02-0162	6.1	12	16
R0182-02-0163	6.1	12	20
R0182-02-0164	6.2	12	10
R0182-02-0165	6.2	12	16
R0182-02-0166	6.2	12	20
R0182-02-0167	6.25	12	10
R0182-02-0168	6.25	12	16
R0182-02-0169	6.25	12	20
R0182-02-0170	6.3	12	10
R0182-02-0171	6.3	12	16
R0182-02-0172	6.3	12	20
R0182-02-0173	6.4	12	10
R0182-02-0174	6.4	12	16
R0182-02-0175	6.4	12	20
R0182-02-0176	6.5	12	10
R0182-02-0177	6.5	12	16
R0182-02-0178	6.5	12	20
R0182-02-0179	6.6	12	10
R0182-02-0180	6.6	12	16
R0182-02-0181	6.6	12	20
R0182-02-0182	6.7	12	10
R0182-02-0183	6.7	12	16

## R0182 Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

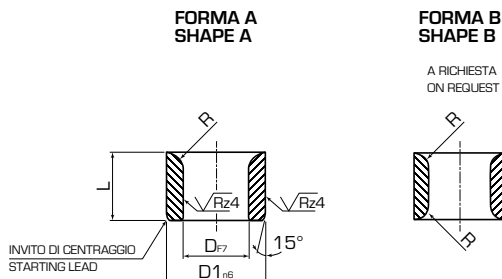
Codice Code	D	D1	L
R0182-02-0184	6.7	12	20
R0182-02-0185	6.75	12	10
R0182-02-0186	6.75	12	16
R0182-02-0187	6.75	12	20
R0182-02-0188	6.8	12	10
R0182-02-0189	6.8	12	16
R0182-02-0190	6.8	12	20
R0182-02-0191	6.9	12	10
R0182-02-0192	6.9	12	16
R0182-02-0193	6.9	12	20
R0182-02-0194	7	12	10
R0182-02-0195	7	12	16
R0182-02-0196	7	12	20
R0182-02-0197	7.1	12	10
R0182-02-0198	7.1	12	16
R0182-02-0199	7.1	12	20
R0182-02-0200	7.2	12	10
R0182-02-0201	7.2	12	16
R0182-02-0202	7.2	12	20
R0182-02-0203	7.25	12	10
R0182-02-0204	7.25	12	16
R0182-02-0205	7.25	12	20
R0182-02-0206	7.3	12	10
R0182-02-0207	7.3	12	16
R0182-02-0208	7.3	12	20
R0182-02-0209	7.4	12	10
R0182-02-0210	7.4	12	16
R0182-02-0211	7.4	12	20
R0182-02-0212	7.5	12	10
R0182-02-0213	7.5	12	16
R0182-02-0214	7.5	12	20
R0182-02-0215	7.6	12	10
R0182-02-0216	7.6	12	16
R0182-02-0217	7.6	12	20
R0182-02-0218	7.7	12	10
R0182-02-0219	7.7	12	16
R0182-02-0220	7.7	12	20
R0182-02-0221	7.75	12	10
R0182-02-0222	7.75	12	16
R0182-02-0223	7.75	12	20
R0182-02-0224	7.8	12	10
R0182-02-0225	7.8	12	16
R0182-02-0226	7.8	12	20
R0182-02-0227	7.9	12	10
R0182-02-0228	7.9	12	16
R0182-02-0229	7.9	12	20

Codice Code	D	D1	L
R0182-02-0230	8	12	10
R0182-02-0231	8	12	16
R0182-02-0232	8	12	20
R0182-02-0233	8.1	15	12
R0182-02-0234	8.1	15	20
R0182-02-0235	8.1	15	25
R0182-02-0236	8.2	15	12
R0182-02-0237	8.2	15	20
R0182-02-0238	8.2	15	25
R0182-02-0239	8.25	15	12
R0182-02-0240	8.25	15	20
R0182-02-0241	8.25	15	25
R0182-02-0242	8.3	15	12
R0182-02-0243	8.3	15	20
R0182-02-0244	8.3	15	25
R0182-02-0245	8.4	15	12
R0182-02-0246	8.4	15	20
R0182-02-0247	8.4	15	25
R0182-02-0248	8.5	15	12
R0182-02-0249	8.5	15	20
R0182-02-0250	8.5	15	25
R0182-02-0251	8.6	15	12
R0182-02-0252	8.6	15	20
R0182-02-0253	8.6	15	25
R0182-02-0254	8.7	15	12
R0182-02-0255	8.7	15	20
R0182-02-0256	8.7	15	25
R0182-02-0257	8.75	15	12
R0182-02-0258	8.75	15	20
R0182-02-0259	8.75	15	25
R0182-02-0260	8.8	15	12
R0182-02-0261	8.8	15	20
R0182-02-0262	8.8	15	25
R0182-02-0263	8.9	15	12
R0182-02-0264	8.9	15	20
R0182-02-0265	8.9	15	25
R0182-02-0266	9	15	12
R0182-02-0267	9	15	20
R0182-02-0268	9	15	25
R0182-02-0269	9.1	15	12
R0182-02-0270	9.1	15	20
R0182-02-0271	9.1	15	25
R0182-02-0272	9.2	15	12
R0182-02-0273	9.2	15	20
R0182-02-0274	9.2	15	25
R0182-02-0275	9.25	15	12

Codice Code	D	D1	L
R0182-02-0276	9.25	15	20
R0182-02-0277	9.25	15	25
R0182-02-0278	9.3	15	12
R0182-02-0279	9.3	15	20
R0182-02-0280	9.3	15	25
R0182-02-0281	9.4	15	12
R0182-02-0282	9.4	15	20
R0182-02-0283	9.4	15	25
R0182-02-0284	9.5	15	12
R0182-02-0285	9.5	15	20
R0182-02-0286	9.5	15	25
R0182-02-0287	9.6	15	12
R0182-02-0288	9.6	15	20
R0182-02-0289	9.6	15	25
R0182-02-0290	9.7	15	12
R0182-02-0291	9.7	15	20
R0182-02-0292	9.7	15	25
R0182-02-0293	9.75	15	12
R0182-02-0294	9.75	15	20
R0182-02-0295	9.75	15	25
R0182-02-0296	9.8	15	12
R0182-02-0297	9.8	15	20
R0182-02-0298	9.8	15	25
R0182-02-0299	9.9	15	12
R0182-02-0300	9.9	15	20
R0182-02-0301	9.9	15	25
R0182-02-0302	10	15	12
R0182-02-0303	10	15	20
R0182-02-0304	10	15	25
R0182-02-0305	10.1	18	12
R0182-02-0306	10.1	18	20
R0182-02-0307	10.1	18	25
R0182-02-0308	10.2	18	12
R0182-02-0309	10.2	18	20
R0182-02-0310	10.2	18	25
R0182-02-0311	10.25	18	12
R0182-02-0312	10.25	18	20
R0182-02-0313	10.25	18	25
R0182-02-0314	10.3	18	12
R0182-02-0315	10.3	18	20
R0182-02-0316	10.3	18	25
R0182-02-0317	10.4	18	12
R0182-02-0318	10.4	18	20
R0182-02-0319	10.4	18	25
R0182-02-0320	10.5	18	12
R0182-02-0321	10.5	18	20

Codice Code	D	D1	L
R0182-02-0322	10.5	18	25
R0182-02-0323	10.6	18	12
R0182-02-0324	10.6	18	20
R0182-02-0325	10.6	18	25
R0182-02-0326	10.7	18	12
R0182-02-0327	10.7	18	20
R0182-02-0328	10.7	18	25
R0182-02-0329	10.75	18	12
R0182-02-0330	10.75	18	20
R0182-02-0331	10.75	18	25
R0182-02-0332	10.8	18	12
R0182-02-0333	10.8	18	20
R0182-02-0334	10.8	18	25
R0182-02-0335	10.9	18	12
R0182-02-0336	10.9	18	20
R0182-02-0337	10.9	18	25
R0182-02-0338	11	18	12
R0182-02-0339	11	18	20
R0182-02-0340	11	18	25
R0182-02-0341	11.1	18	12
R0182-02-0342	11.1	18	20
R0182-02-0343	11.1	18	25
R0182-02-0344	11.2	18	12
R0182-02-0345	11.2	18	20
R0182-02-0346	11.2	18	25
R0182-02-0347	11.25	18	12
R0182-02-0348	11.25	18	20
R0182-02-0349	11.25	18	25
R0182-02-0350	11.3	18	12
R0182-02-0351	11.3	18	20
R0182-02-0352	11.3	18	25
R0182-02-0353	11.4	18	12
R0182-02-0354	11.4	18	20
R0182-02-0355	11.4	18	25
R0182-02-0356	11.5	18	12
R0182-02-0357	11.5	18	20
R0182-02-0358	11.5	18	25
R0182-02-0359	11.6	18	12
R0182-02-0360	11.6	18	20
R0182-02-0361	11.6	18	25
R0182-02-0362	11.7	18	12
R0182-02-0363	11.7	18	20
R0182-02-0364	11.7	18	25
R0182-02-0365	11.75	18	12
R0182-02-0366	11.75	18	20
R0182-02-0367	11.75	18	25

## R0182 Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

Codice Code	D	D1	L
R0182-02-0368	11.8	18	12
R0182-02-0369	11.8	18	20
R0182-02-0370	11.8	18	25
R0182-02-0371	11.9	18	12
R0182-02-0372	11.9	18	20
R0182-02-0373	11.9	18	25
R0182-02-0374	12	18	12
R0182-02-0375	12	18	20
R0182-02-0376	12	18	25
R0182-02-0377	12.1	22	16
R0182-02-0378	12.1	22	28
R0182-02-0379	12.1	22	36
R0182-02-0380	12.2	22	16
R0182-02-0381	12.2	22	28
R0182-02-0382	12.2	22	36
R0182-02-0383	12.25	22	16
R0182-02-0384	12.25	22	28
R0182-02-0385	12.25	22	36
R0182-02-0386	12.3	22	16
R0182-02-0387	12.3	22	28
R0182-02-0388	12.3	22	36
R0182-02-0389	12.4	22	16
R0182-02-0390	12.4	22	28
R0182-02-0391	12.4	22	36
R0182-02-0392	12.5	22	16
R0182-02-0393	12.5	22	28
R0182-02-0394	12.5	22	36
R0182-02-0395	12.6	22	16
R0182-02-0396	12.6	22	28
R0182-02-0397	12.6	22	36
R0182-02-0398	12.7	22	16
R0182-02-0399	12.7	22	28
R0182-02-0400	12.7	22	36
R0182-02-0401	12.75	22	16
R0182-02-0402	12.75	22	28
R0182-02-0403	12.75	22	36
R0182-02-0404	12.8	22	16
R0182-02-0405	12.8	22	28
R0182-02-0406	12.8	22	36
R0182-02-0407	12.9	22	16
R0182-02-0408	12.9	22	28
R0182-02-0409	12.9	22	36
R0182-02-0410	13	22	16
R0182-02-0411	13	22	28
R0182-02-0412	13	22	36
R0182-02-0413	13.1	22	16

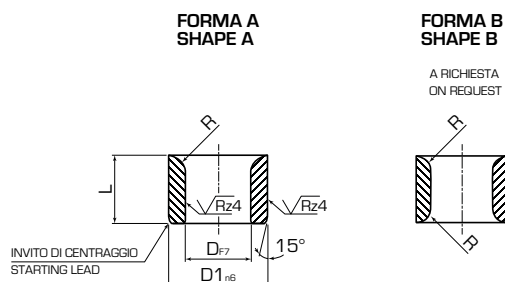
Codice Code	D	D1	L
R0182-02-0414	13.1	22	28
R0182-02-0415	13.1	22	36
R0182-02-0416	13.2	22	16
R0182-02-0417	13.2	22	28
R0182-02-0418	13.2	22	36
R0182-02-0419	13.25	22	16
R0182-02-0420	13.25	22	28
R0182-02-0421	13.25	22	36
R0182-02-0422	13.3	22	16
R0182-02-0423	13.3	22	28
R0182-02-0424	13.3	22	36
R0182-02-0425	13.4	22	16
R0182-02-0426	13.4	22	28
R0182-02-0427	13.4	22	36
R0182-02-0428	13.5	22	16
R0182-02-0429	13.5	22	28
R0182-02-0430	13.5	22	36
R0182-02-0432	13.6	22	16
R0182-02-0433	13.6	22	28
R0182-02-0434	13.6	22	36
R0182-02-0435	13.7	22	16
R0182-02-0436	13.7	22	28
R0182-02-0437	13.7	22	36
R0182-02-0438	13.75	22	16
R0182-02-0439	13.75	22	28
R0182-02-0431	13.75	22	36
R0182-02-0440	13.8	22	16
R0182-02-0441	13.8	22	28
R0182-02-0442	13.8	22	36
R0182-02-0443	13.9	22	16
R0182-02-0444	13.9	22	28
R0182-02-0445	13.9	22	36
R0182-02-0446	14	22	16
R0182-02-0447	14	22	28
R0182-02-0448	14	22	36
R0182-02-0449	14.1	22	16
R0182-02-0450	14.1	22	28
R0182-02-0451	14.1	22	36
R0182-02-0452	14.2	22	16
R0182-02-0453	14.2	22	28
R0182-02-0454	14.2	22	36
R0182-02-0455	14.25	22	16
R0182-02-0456	14.25	22	28
R0182-02-0457	14.25	22	36
R0182-02-0458	14.3	22	16
R0182-02-0459	14.3	22	28

Codice Code	D	D1	L
R0182-02-0460	14.3	22	36
R0182-02-0461	14.4	22	16
R0182-02-0462	14.4	22	28
R0182-02-0463	14.4	22	36
R0182-02-0464	14.5	22	16
R0182-02-0465	14.5	22	28
R0182-02-0466	14.5	22	36
R0182-02-0467	14.6	22	16
R0182-02-0468	14.6	22	28
R0182-02-0469	14.6	22	36
R0182-02-0470	14.7	22	16
R0182-02-0471	14.7	22	28
R0182-02-0472	14.7	22	36
R0182-02-0473	14.75	22	16
R0182-02-0474	14.75	22	28
R0182-02-0475	14.75	22	36
R0182-02-0476	14.8	22	16
R0182-02-0477	14.8	22	28
R0182-02-0478	14.8	22	36
R0182-02-0479	14.9	22	16
R0182-02-0480	14.9	22	28
R0182-02-0481	14.9	22	36
R0182-02-0482	15	22	16
R0182-02-0483	15	22	28
R0182-02-0484	15	26	36
R0182-02-0485	15.25	26	16
R0182-02-0486	15.25	26	28
R0182-02-0487	15.25	26	36
R0182-02-0488	15.5	26	16
R0182-02-0489	15.5	26	28
R0182-02-0490	15.5	26	36
R0182-02-0491	15.75	26	16
R0182-02-0492	15.75	26	28
R0182-02-0493	15.75	26	36
R0182-02-0494	16	26	16
R0182-02-0495	16	26	28
R0182-02-0496	16	26	36
R0182-02-0497	16.25	26	16
R0182-02-0498	16.25	26	28
R0182-02-0499	16.25	26	36
R0182-02-0500	16.5	26	16
R0182-02-0501	16.5	26	28
R0182-02-0502	16.5	26	36
R0182-02-0503	16.75	26	16
R0182-02-0504	16.75	26	28
R0182-02-0505	16.75	26	36

Codice Code	D	D1	L
R0182-02-0506	17	26	16
R0182-02-0507	17	26	28
R0182-02-0508	17	26	36
R0182-02-0509	17.25	26	16
R0182-02-0510	17.25	26	28
R0182-02-0511	17.25	26	36
R0182-02-0512	17.5	26	16
R0182-02-0513	17.5	26	28
R0182-02-0514	17.5	26	36
R0182-02-0515	17.75	26	16
R0182-02-0516	17.75	26	28
R0182-02-0517	17.75	26	36
R0182-02-0518	18	26	16
R0182-02-0519	18	26	28
R0182-02-0520	18	26	36
R0182-02-0521	18.25	30	20
R0182-02-0522	18.25	30	36
R0182-02-0523	18.5	30	20
R0182-02-0524	18.5	30	36
R0182-02-0525	18.6	30	36
R0182-02-0526	18.75	30	20
R0182-02-0527	18.75	30	36
R0182-02-0528	19	30	20
R0182-02-0529	19	30	36
R0182-02-0530	19.25	30	20
R0182-02-0531	19.25	30	36
R0182-02-0532	19.5	30	20
R0182-02-0533	19.5	30	36
R0182-02-0534	19.75	30	20
R0182-02-0535	19.75	30	36
R0182-02-0536	20	30	20
R0182-02-0537	20	30	36
R0182-02-0538	20	30	45
R0182-02-0539	20.25	30	20
R0182-02-0540	20.25	30	36
R0182-02-0541	20.5	30	20
R0182-02-0542	20.5	30	36
R0182-02-0543	20.75	30	20
R0182-02-0544	20.75	30	36
R0182-02-0545	21	30	20
R0182-02-0546	21	30	36
R0182-02-0547	21.25	30	20
R0182-02-0548	21.25	30	36
R0182-02-0549	21.5	30	20
R0182-02-0550	21.5	30	36
R0182-02-0551	21.75	30	20



## R0182 Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179



### Descrizione:

Materiale: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

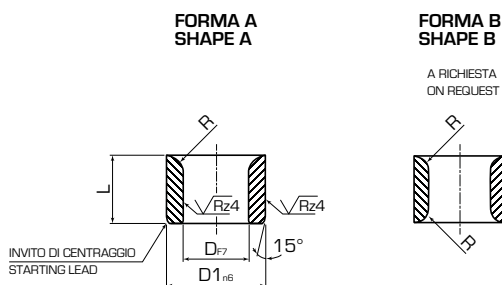
Code Codice	D	D1	L
R0182-02-0552	21.75	30	36
R0182-02-0553	22	30	20
R0182-02-0554	22	30	36
R0182-02-0555	22	30	45
R0182-02-0556	22.25	35	20
R0182-02-0557	22.25	35	36
R0182-02-0558	22.5	35	20
R0182-02-0559	22.5	35	36
R0182-02-0560	22.75	35	20
R0182-02-0561	22.75	35	36
R0182-02-0562	23	35	20
R0182-02-0563	23	35	36
R0182-02-0564	23.25	35	20
R0182-02-0565	23.25	35	36
R0182-02-0566	23.5	35	20
R0182-02-0567	23.5	35	36
R0182-02-0568	23.75	35	20
R0182-02-0569	23.75	35	36
R0182-02-0570	24	35	20
R0182-02-0571	24	35	36
R0182-02-0572	24	35	45
R0182-02-0573	24.25	35	20
R0182-02-0574	24.25	35	36
R0182-02-0575	24.5	35	20
R0182-02-0576	24.5	35	36
R0182-02-0577	24.75	35	20
R0182-02-0578	24.75	35	36
R0182-02-0579	25	35	20
R0182-02-0580	25	35	36
R0182-02-0581	25.25	35	20
R0182-02-0582	25.25	35	36
R0182-02-0583	25.5	35	20
R0182-02-0584	25.5	35	36
R0182-02-0585	25.75	35	20
R0182-02-0586	25.75	35	36
R0182-02-0587	26	35	20
R0182-02-0588	26	35	36
R0182-02-0589	26.25	42	20
R0182-02-0590	26.25	42	25
R0182-02-0591	26.25	42	36
R0182-02-0592	26.25	42	45
R0182-02-0593	26.5	42	20
R0182-02-0594	26.5	42	25
R0182-02-0595	26.5	42	36
R0182-02-0596	26.5	42	45
R0182-02-0597	26.75	42	20

Code Codice	D	D1	L
R0182-02-0598	26.75	42	25
R0182-02-0599	26.75	42	36
R0182-02-0600	26.75	42	45
R0182-02-0601	27	42	20
R0182-02-0602	27	42	25
R0182-02-0603	27	42	36
R0182-02-0604	27	42	45
R0182-02-0608	27	42	56
R0182-02-0605	27.25	42	20
R0182-02-0606	27.25	42	25
R0182-02-0607	27.25	42	36
R0182-02-0608	27.25	42	45
R0182-02-0609	27.5	42	20
R0182-02-0610	27.5	42	25
R0182-02-0611	27.5	42	36
R0182-02-0612	27.5	42	45
R0182-02-0613	27.75	42	20
R0182-02-0614	27.75	42	25
R0182-02-0615	27.75	42	36
R0182-02-0616	27.75	42	45
R0182-02-0617	28	42	20
R0182-02-0618	28	42	25
R0182-02-0619	28	42	36
R0182-02-0620	28	42	45
R0182-02-0628	28.5	42	20
R0182-02-0629	28.5	42	25
R0182-02-0630	28.75	42	25
R0182-02-0631	28.75	42	36
R0182-02-0632	28.75	42	45
R0182-02-0633	29	42	20
R0182-02-0634	29	42	25
R0182-02-0635	29	42	36
R0182-02-0636	29	42	45
R0182-02-0637	29	42	56
R0182-02-0628	29.25	42	20
R0182-02-0638	29.25	42	25
R0182-02-0639	29.25	42	36
R0182-02-0640	29.25	42	45

Code Codice	D	D1	L
R0182-02-0641	29.5	42	20
R0182-02-0642	29.5	42	25
R0182-02-0643	29.5	42	36
R0182-02-0644	29.5	42	45
R0182-02-0645	29.75	42	20
R0182-02-0646	29.75	42	25
R0182-02-0647	29.75	42	36
R0182-02-0648	29.75	42	45
R0182-02-0649	30	42	20
R0182-02-0650	30	42	25
R0182-02-0651	30	42	36
R0182-02-0652	30	42	45
R0182-02-0829	30	42	56
R0182-02-0653	30.25	48	25
R0182-02-0654	30.25	48	45
R0182-02-0655	30.5	48	25
R0182-02-0656	30.5	48	45
R0182-02-0657	30.75	48	25
R0182-02-0658	30.75	48	45
R0182-02-0659	31	48	25
R0182-02-0660	31	48	45
R0182-02-0661	31.25	48	25
R0182-02-0662	31.25	48	45
R0182-02-0663	31.5	48	25
R0182-02-0664	31.5	48	45
R0182-02-0665	31.75	48	25
R0182-02-0666	31.75	48	45
R0182-02-0667	32	48	25
R0182-02-0668	32	48	45
R0182-02-0669	32.25	48	25
R0182-02-0670	32.25	48	45
R0182-02-0671	32.5	48	25
R0182-02-0672	32.5	48	45
R0182-02-0673	32.75	48	25
R0182-02-0674	32.75	48	45
R0182-02-0675	33	48	25
R0182-02-0676	33	48	45
R0182-02-0677	33.25	48	25
R0182-02-0678	33.25	48	45
R0182-02-0679	33.5	48	25
R0182-02-0680	33.5	48	45
R0182-02-0681	33.75	48	25
R0182-02-0682	33.75	48	45
R0182-02-0683	34	48	25
R0182-02-0684	34	48	45
R0182-02-0685	34.25	48	25

Code Codice	D	D1	L
R0182-02-0686	34.25	48	45
R0182-02-0687	34.5	48	25
R0182-02-0688	34.5	48	45
R0182-02-0689	34.75	48	25
R0182-02-0690	34.75	48	45
R0182-02-0691	35	48	25
R0182-02-0692	35	48	45
R0182-02-0693	35.5	55	25
R0182-02-0694	35.5	55	30
R0182-02-0695	35.5	55	45
R0182-02-0696	35.5	55	56
R0182-02-0697	36	55	25
R0182-02-0698	36	55	30
R0182-02-0699	36	55	45
R0182-02-0700	36	55	56
R0182-02-0701	36.5	55	25
R0182-02-0702	36.5	55	30
R0182-02-0703	36.5	55	45
R0182-02-0704	36.5	55	56
R0182-02-0705	37	55	25
R0182-02-0706	37	55	30
R0182-02-0707	37	55	45
R0182-02-0708	37	55	56
R0182-02-0709	37.5	55	25
R0182-02-0710	37.5	55	30
R0182-02-0711	37.5	55	45
R0182-02-0712	37.5	55	56
R0182-02-0713	38	55	25
R0182-02-0714	38	55	30
R0182-02-0715	38	55	45
R0182-02-0716	38	55	56
R0182-02-0717	38.5	55	25
R0182-02-0718	38.5	55	30
R0182-02-0719	38.5	55	45
R0182-02-0720	38.5	55	56
R0182-02-0721	39	55	25
R0182-02-0722	39	55	30
R0182-02-0723	39	55	45
R0182-02-0724	39	55	56
R0182-02-0725	39.5	55	25
R0182-02-0726	39.5	55	30
R0182-02-0727	39.5	55	45
R0182-02-0728	39.5	55	56
R0182-02-0729	40	55	25
R0182-02-0730	40	55	30
R0182-02-0731	40	55	45

## R0182 Bussola di mascheraggio liscia DIN 179 - BDIN179 Smooth drill bush DIN 179 - BDIN179



### Descrizione:

Material: 16 Cr Ni 4  
Durezza: HRC 58-62  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 16 Cr Ni 4  
Hardness: HRC 58-62  
Heat treatment: Cementing + Hardening

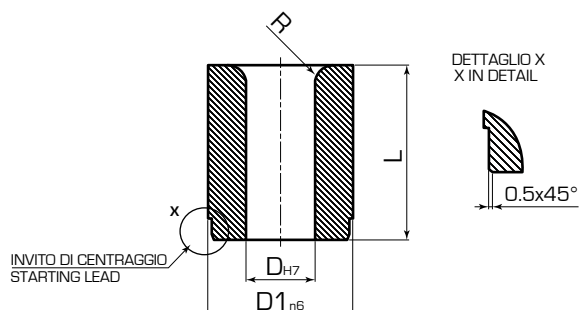
Codice Code	D	D1	L
R0182-02-0732	40	55	56
R0182-02-0733	40.5	55	25
R0182-02-0734	40.5	55	30
R0182-02-0735	40.5	55	45
R0182-02-0736	40.5	55	56
R0182-02-0737	41	55	25
R0182-02-0738	41	55	30
R0182-02-0739	41	55	45
R0182-02-0740	41	55	56
R0182-02-0741	41.5	55	25
R0182-02-0742	41.5	55	30
R0182-02-0743	41.5	55	45
R0182-02-0744	41.5	55	56
R0182-02-0745	42	55	25
R0182-02-0746	42	55	30
R0182-02-0747	42	55	45
R0182-02-0748	42	55	56
R0182-02-0749	42.5	62	30
R0182-02-0750	42.5	62	56
R0182-02-0751	43	62	30
R0182-02-0752	43	62	56
R0182-02-0753	43.5	62	30
R0182-02-0754	43.5	62	56
R0182-02-0755	44	62	30

Codice Code	D	D1	L
R0182-02-0756	44	62	56
R0182-02-0757	44.5	62	30
R0182-02-0758	44.5	62	56
R0182-02-0759	45	62	30
R0182-02-0760	45	62	56
R0182-02-0761	45.5	62	30
R0182-02-0762	45.5	62	56
R0182-02-0763	46	62	30
R0182-02-0764	46	62	56
R0182-02-0765	46.5	62	30
R0182-02-0766	46.5	62	56
R0182-02-0767	47	62	30
R0182-02-0768	47	62	56
R0182-02-0769	47.5	62	30
R0182-02-0770	47.5	62	56
R0182-02-0771	48	62	30
R0182-02-0772	48	62	56
R0182-02-0773	48.5	70	30
R0182-02-0774	48.5	70	56
R0182-02-0775	49	70	30
R0182-02-0776	49	70	56
R0182-02-0777	49.5	70	30
R0182-02-0778	49.5	70	56
R0182-02-0779	50	70	30

Codice Code	D	D1	L
R0182-02-0780	50	70	56
R0182-02-0781	50.5	70	30
R0182-02-0782	50.5	70	56
R0182-02-0783	51	70	30
R0182-02-0784	51	70	56
R0182-02-0785	51.5	70	30
R0182-02-0786	51.5	70	56
R0182-02-0787	52	70	30
R0182-02-0788	52	70	56
R0182-02-0789	52.5	70	30
R0182-02-0790	52.5	70	56
R0182-02-0791	53	70	30
R0182-02-0792	53	70	56
R0182-02-0793	53.5	70	30
R0182-02-0794	53.5	70	56
R0182-02-0795	54	70	30
R0182-02-0796	54	70	56
R0182-02-0797	54.5	70	30
R0182-02-0798	54.5	70	56
R0182-02-0799	55	70	30
R0182-02-0800	55	70	56
R0182-02-0801	56	78	35
R0182-02-0802	56	78	67
R0182-02-0803	56	78	72

Codice Code	D	D1	L
R0182-02-0804	57	78	35
R0182-02-0805	57	78	67
R0182-02-0806	57	78	72
R0182-02-0807	58	78	35
R0182-02-0808	58	78	67
R0182-02-0809	58	78	72
R0182-02-0810	59	78	35
R0182-02-0811	59	78	67
R0182-02-0812	59	78	72
R0182-02-0813	60	78	35
R0182-02-0814	60	78	67
R0182-02-0815	60	78	72
R0182-02-0816	61	78	35
R0182-02-0817	61	78	67
R0182-02-0818	61	78	72
R0182-02-0819	62	78	35
R0182-02-0820	62	78	67
R0182-02-0821	62	78	72
R0182-02-0822	63	78	35
R0182-02-0823	63	78	67
R0182-02-0824	63	78	72

## R0178 Bussola guida punzone DIN 9845C - BDIN9845C Punch guide bush DIN 9845C - BDIN9845C



### Descrizione:

Materiale: HWS  
Durezza: HRC 58-62  
Trattamento termico: Tempra

### Description:

Material: HWS  
Hardness: HRC 58-62  
Heat treatment: Hardening

Codice Code	D	D1	L
R0178-02-0001	2,1	7	12
R0178-02-0002	2,2	7	12
R0178-02-0003	2,3	7	12
R0178-02-0004	2,4	7	12
R0178-02-0005	2,5	7	12
R0178-02-0006	2,6	7	12
R0178-02-0007	2,7	7	12
R0178-02-0008	2,8	7	12
R0178-02-0009	2,9	7	12
R0178-02-0010	3	7	12
R0178-02-0011	3,1	8	12
R0178-02-0012	3,2	8	12
R0178-02-0013	3,3	8	12
R0178-02-0014	3,4	8	12
R0178-02-0015	3,5	8	12
R0178-02-0016	3,6	8	12
R0178-02-0017	3,7	8	12
R0178-02-0018	3,8	8	12
R0178-02-0019	3,9	8	12
R0178-02-0020	4	8	12
R0178-02-0021	4,1	10	16
R0178-02-0022	4,2	10	16
R0178-02-0023	4,3	10	16
R0178-02-0024	4,4	10	16
R0178-02-0025	4,5	10	16
R0178-02-0026	4,6	10	16
R0178-02-0027	4,7	10	16
R0178-02-0028	4,8	10	16
R0178-02-0029	4,9	10	16
R0178-02-0030	5	10	16
R0178-02-0031	5,1	12	16
R0178-02-0032	5,2	12	16
R0178-02-0033	5,3	12	16
R0178-02-0034	5,4	12	16

Codice Code	D	D1	L
R0178-02-0035	5,5	12	16
R0178-02-0036	5,6	12	16
R0178-02-0037	5,7	12	16
R0178-02-0038	5,8	12	16
R0178-02-0039	5,9	12	16
R0178-02-0040	6	12	16
R0178-02-0041	6,1	15	20
R0178-02-0042	6,2	15	20
R0178-02-0043	6,3	15	20
R0178-02-0044	6,4	15	20
R0178-02-0045	6,5	15	20
R0178-02-0046	6,6	15	20
R0178-02-0047	6,7	15	20
R0178-02-0048	6,8	15	20
R0178-02-0049	6,9	15	20
R0178-02-0050	7	15	20
R0178-02-0051	7,1	15	20
R0178-02-0052	7,2	15	20
R0178-02-0053	7,3	15	20
R0178-02-0054	7,4	15	20
R0178-02-0055	7,5	15	20
R0178-02-0056	7,6	15	20
R0178-02-0057	7,7	15	20
R0178-02-0058	7,8	15	20
R0178-02-0059	7,9	15	20
R0178-02-0060	8	15	20
R0178-02-0061	8,1	18	20
R0178-02-0062	8,2	18	20
R0178-02-0063	8,3	18	20
R0178-02-0064	8,4	18	20
R0178-02-0065	8,5	18	20
R0178-02-0066	8,6	18	20
R0178-02-0067	8,7	18	20
R0178-02-0068	8,8	18	20

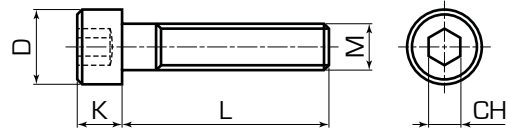
Codice Code	D	D1	L
R0178-02-0069	8,9	18	20
R0178-02-0070	9	18	20
R0178-02-0071	9,1	18	20
R0178-02-0072	9,2	18	20
R0178-02-0073	9,3	18	20
R0178-02-0074	9,4	18	20
R0178-02-0075	9,5	18	20
R0178-02-0076	9,6	18	20
R0178-02-0077	9,7	18	20
R0178-02-0078	9,8	18	20
R0178-02-0079	9,9	18	20
R0178-02-0080	10	18	20
R0178-02-0081	10,1	22	28
R0178-02-0082	10,2	22	28
R0178-02-0083	10,3	22	28
R0178-02-0084	10,4	22	28
R0178-02-0085	10,5	22	28
R0178-02-0086	10,6	22	28
R0178-02-0087	10,7	22	28
R0178-02-0088	10,8	22	28
R0178-02-0089	10,9	22	28
R0178-02-0090	11	22	28
R0178-02-0091	11,1	22	28
R0178-02-0092	11,2	22	28
R0178-02-0093	11,3	22	28
R0178-02-0094	11,4	22	28
R0178-02-0095	11,5	22	28
R0178-02-0096	11,6	22	28
R0178-02-0097	11,7	22	28
R0178-02-0098	11,8	22	28
R0178-02-0099	11,9	22	28
R0178-02-0100	12	22	28
R0178-02-0101	12,1	26	28
R0178-02-0108	12,2	26	28

Codice Code	D	D1	L
R0178-02-0109	12,3	26	28
R0178-02-0110	12,4	26	28
R0178-02-0111	12,5	26	28
R0178-02-0112	12,6	26	28
R0178-02-0113	12,7	26	28
R0178-02-0114	12,8	26	28
R0178-02-0115	12,9	26	28
R0178-02-0116	13	26	28
R0178-02-0117	13,1	26	28
R0178-02-0118	13,2	26	28
R0178-02-0119	13,3	26	28
R0178-02-0120	13,4	26	28
R0178-02-0121	13,5	26	28
R0178-02-0122	13,6	26	28
R0178-02-0123	13,7	26	28
R0178-02-0124	13,8	26	28
R0178-02-0125	13,9	26	28
R0178-02-0126	14	26	28
R0178-02-0127	14,1	26	28
R0178-02-0128	14,2	26	28
R0178-02-0129	14,3	26	28
R0178-02-0130	14,4	26	28
R0178-02-0131	14,5	26	28
R0178-02-0132	14,6	26	28
R0178-02-0133	14,7	26	28
R0178-02-0134	14,8	26	28
R0178-02-0135	14,9	26	28
R0178-02-0136	15	26	28
R0178-02-0102	15,5	30	36
R0178-02-0103	16	30	36
R0178-02-0104	16,5	30	36
R0178-02-0105	17	30	36
R0178-02-0106	17,5	30	36
R0178-02-0107	18	30	36



## R0162

Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI  
Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI



### Descrizione:

Esempio di ordinativo: **R0162-01-0001**  
Materiale: Acciaio UNI EN 20898/1 12.9  
Normativa: UNI 5931 - DIN 912

### Description:

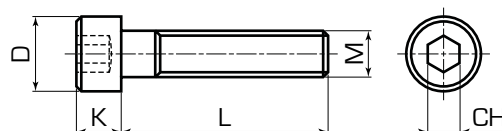
Example of purchasing order: **R0162-01-0001**  
Material: Steel UNI EN 20898/1 12.9  
Standard: UNI 5931 - DIN 912

M	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
D	3.8	4.5	5.5	6	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54	58	63
K	2	2.5	3	3.5	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	39	42
CH	1.5	2	2.5	2.5	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27	27	32
Passo T. Pitch	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5

L	M																					
	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
3	0001	0010		0048																		
4	0002	0011	0028		0061																	
5	0003	0012	0029		0062	0088																
6	0004	0013	0030	0049	0063	0089	0139															
8	0005	0014	0031	0050	0064	0090	0140	0192														
10	0006	0015	0032	0051	0065	0091	0141	0193	0244													
12	0007	0016	0033	0052	0066	0092	0142	0194	0245													
14		0034	0053	0067	0093	0143	0195	0246	0295													
16	0008	0017	0035	0054	0068	0094	0144	0196	0247	0296												
18			0036	0055	0069	0095	0145	0197	0248	0297												
20	0009	0018	0037	0056	0070	0096	0146	0198	0249	0298	0348	0384										
22				0057	0071	0097	0147	0199	0250	0299	0349											
25		0019	0038	0058	0072	0098	0148	0200	0251	0300	0350	0385										
30		0020	0039	0059	0073	0099	0149	0201	0252	0301	0351	0386	0432	0466								
35			0040	0060	0074	0100	0150	0202	0253	0302	0352	0387	0433	0467								
40			0041		0075	0101	0151	0203	0254	0303	0353	0388	0434	0468	0510	0541						
45			0042		0076	0102	0152	0204	0255	0304	0354	0389	0435	0469	0511	0542						
50			0043		0077	0103	0153	0205	0256	0305	0355	0390	0436	0470	0512	0543	0584	0614				
55			0044		0078	0104	0154	0206	0257	0306	0356	0391	0437	0471	0513	0544	0585	0615				
60			0045		0079	0105	0155	0207	0258	0307	0357	0392	0438	0472	0514	0545	0586	0616	0649	0676	0710	0736
65				0080	0106	0156	0208	0259	0308	0358	0393	0439	0473	0515	0546	0587		0650	0677	0711	0737	
70			0046		0081	0107	0157	0209	0260	0309	0359	0394	0440	0474	0516	0547	0588	0617	0651	0678	0712	0738
75					0108	0158	0210	0261	0310	0360	0395	0441	0475	0517	0548							
80			0047		0082	0109	0159	0211	0262	0311	0361	0396	0442	0476	0518	0549	0589	0618	0652	0679	0713	0739
85					0110	0160	0212	0263	0312	0362	0397		0477									
90					0083	0111	0161	0213	0264	0313	0363	0398	0443	0478	0519	0550	0590	0619	0653	0680	0714	0740
95					0112	0162	0214	0265	0314													
100					0084	0113	0163	0215	0266	0315	0364	0399	0444	0479	0520	0551	0591	0620	0654	0681	0715	0741
105					0085	0114	0164	0216	0267	0316												
110					0086	0115	0165	0217	0268	0317	0365	0400	0445	0480	0521	0552	0592	0621	0655	0682	0716	0742
115					0116	0166	0218	0269	0318													
120					0087	0117	0167	0219	0270	0319	0366	0401	0446	0481	0522	0553	0593	0622	0656	0683	0717	0743
125					0118	0168	0220	0271	0320													
130					0088	0119	0169	0221	0272	0321	0367	0402	0447	0482	0523	0554	0594	0623	0657	0684	0718	0744
135					0120	0170	0222	0273	0322													
140					0121	0171	0223	0274	0323	0368	0403	0448	0483	0524	0555	0595	0624	0658	0685	0719	0745	
145					0122	0172	0224	0275	0324													

## R0162

Vite a testa cilindrica con esagono incassato (UNI5931, DIN912) - VTCEI  
Cylindrical head screw with hexagon socket (UNI5931, DIN912) - VTCEI



### Descrizione:

Esempio di ordinativo: R0162-01-0001  
Materiale: Acciaio UNI EN 20898/1 12.9  
Normativa: UNI 5931 - DIN 912

### Description:

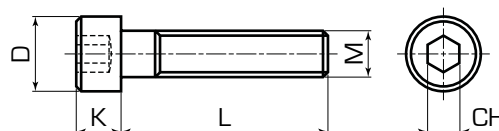
Example of purchasing order: R0162-01-0001  
Material: Steel UNI EN 20898/1 12.9  
Standard: UNI 5931 - DIN 912

M	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
D	3.8	4.5	5.5	6	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54	58	63
K	2	2.5	3	3.5	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	39	42
CH	1.5	2	2.5	2.5	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27	27	32
Passo T. Pitch	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5

L	M																					
	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42
150						0123	0173	0225	0276	0325	0369	0404	0449	0484	0525	0556	0596	0625	0659	0686	0720	0746
155						0124	0174	0226	0277	0326												
160						0125	0175	0227	0278	0327	0370	0405	0450	0485	0526	0557	0597	0626	0660	0687	0721	0747
165						0126	0176	0228	0279	0328												
170						0127	0177	0229	0280	0329	0371	0406	0451	0486	0527	0558	0598	0627	0661	0688	0722	0748
175						0128	0178	0230	0281													
180						0129	0179	0231	0282	0331	0372	0407	0452	0487	0528	0559	0599	0628	0662	0689	0723	0749
190						0130	0180	0232	0283	0332	0373	0408	0453	0488	0529	0560	0600	0629	0663	0690	0724	0750
200						0131	0181	0233	0284	0333	0374	0409	0454	0489	0530	0561	0601	0630	0664	0691	0725	0751
210						0132	0182	0234	0285	0334	0375	0410		0490		0562	0602	0631	0665			
220						0133	0183	0235	0286	0335	0376	0411	0455	0491	0531	0563	0603	0632	0666	0692	0726	0752
230						0134	0184	0236	0287	0336	0377	0412		0492		0564						
240						0135	0185	0237	0288	0337	0378	0413	0456	0493	0532	0565	0604	0633	0667	0693	0727	0753
250							0186	0238	0289	0338		0414		0494		0566	0605	0634		0694		
260						0136	0187	0239	0290	0339	0379	0415	0457	0495	0533	0567	0606	0635	0668	0695	0728	0754
270							0188	0240	0291	0340		0416		0496								
275														0497								
280						0137	0189	0241	0292	0341	0380	0417	0458	0498	0534	0568	0607	0636	0669	0696	0729	0755
290							0190	0242	0293	0342		0418		0499								
300						0138	0191	0243	0294	0343	0381	0419	0459	0500	0535	0569	0608	0637	0670	0697	0730	0756
310																				0698		
320										0344	0382	0420	0460	0501	0536	0570	0609	0638	0671	0699	0731	0757
330												0421	0461		0571				0700			
340										0345		0422	0462	0502	0537	0572	0610	0639	0672	0701	0732	0758
350												0423			0573							0759
360										0346	0383	0424	0463	0503	0538	0574	0611	0640	0673	0702	0733	0760
380												0425	0464	0504	0539	0575	0612	0641	0674	0703	0734	0761
400										0347		0426	0465	0505	0540	0576	0613	0642	0675	0704	0735	0762
420												0427		0506		0577		0643		0705		
440												0428				0578		0644				
450														0507		0579						
460													0429	0508		0580		0645		0706		
480													0430	0509		0581		0646		0707		
500													0431			0582		0647		0708		
580																				0709		
600																0583		0648				

## R0163

Vite a testa cilindrica bassa con esagono incassato (UNI9327, DIN7984) - VTCEIB  
Cylindrical low head screw with hexagon socket (UNI9327, DIN7984) - VTCEIB



### Descrizione:

Esempio di ordinativo: **R0163-01-0001**  
Materiale: Acciaio UNI EN 20898/1 8.8  
Normativa: UNI 9327 - DIN 7984

### Description:

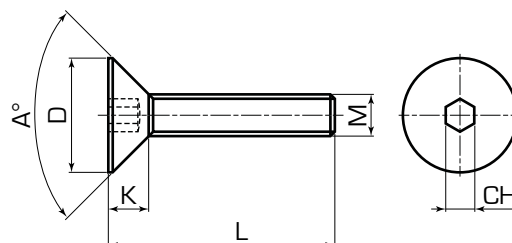
Example of purchasing order: **R0163-01-0001**  
Material: Steel UNI EN 20898/1 8.8  
Standard: UNI 9327 - DIN 7984

M	M3	M4	M5	M6	M8	M10	M12	M16	M20
D	5.5	7	8.5	10	13	16	18	24	30
K	2	2.8	3.5	4	5	6	7	9	11
CH	2	2.5	3	4	5	7	8	12	14
Passo - Thread pitch	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2.5

Codice Code	L	M								
		M3	M4	M5	M6	M8	M10	M12	M16	M20
R0163-01	4	0001								
R0163-01	5	0002								
R0163-01	6	0003	0013	0025						
R0163-01	8	0004	0014	0026	0039					
R0163-01	10	0005	0015	0027	0040	0056				
R0163-01	12	0006	0016	0028	0041	0057				
R0163-01	14	0007	0017	0029	0042					
R0163-01	16	0008	0018	0030	0043	0058	0075	0092		
R0163-01	18	0009	0019	0031	0044	0059	0076	0093		
R0163-01	20	0010	0020	0032	0045	0060	0077	0094		
R0163-01	25	0011	0021	0033	0046	0061	0078	0095	0109	
R0163-01	30	0012	0022	0034	0047	0062	0079	0096	0110	0120
R0163-01	35		0023	0035	0048	0063	0080	0097	0111	0121
R0163-01	40		0024	0036	0049	0064	0081	0098	0112	0122
R0163-01	45			0037	0050	0065	0082	0099	0113	0123
R0163-01	50			0038	0051	0066	0083	0100	0114	0124
R0163-01	55				0052	0067	0084	0101	0115	0125
R0163-01	60				0053	0068	0085	0102	0116	0126
R0163-01	65					0069	0086	0103	0117	
R0163-01	70				0054	0070	0087	0104	0118	0127
R0163-01	75					0071	0088	0105		
R0163-01	80				0055	0072	0089	0106	0119	0128
R0163-01	90					0073	0090	0107		
R0163-01	100					0074	0091	0108		

## R0164

Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI  
Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI



### Descrizione:

Esempio di ordinativo: **R0164-01-0001**  
Materiale: Acciaio UNI EN 20898/1 10.9  
Normativa: UNI 5933 - DIN 7991

### Description:

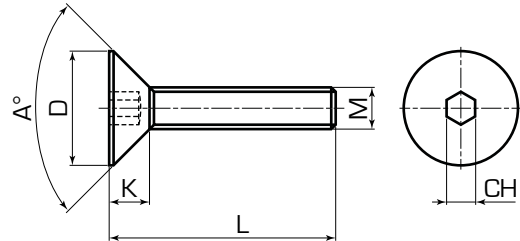
Example of purchasing order: **R0164-01-0001**  
Material: Steel UNI EN 20898/1 10.9  
Standard: UNI 5933 - DIN 7991

M	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
D	6	8	10	12	16	20	24	27	30	33	36	36	39	39	39
K	1.7	2.3	2.8	3.3	4.4	5.5	6.5	7	7.5	8	8.5	13.1	14	14	14
CH	2	2.5	3	4	5	6	8	10	10	10	12	14	14	14	14
A°	90	90	90	90	90	90	90	90	90	90	90	60	60	60	60
Passo - Thread pitch	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M														
		M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0164-01	4	0001														
R0164-01	5	0002	0018													
R0164-01	6	0003	0019	0036												
R0164-01	8	0004	0020	0037	0057											
R0164-01	10	0005	0021	0038	0058	0084										
R0164-01	12	0006	0022	0039	0059	0085	0114									
R0164-01	14	0007	0023	0040	0060	0086	0115									
R0164-01	16	0008	0024	0041	0061	0087	0116									
R0164-01	18	0009	0025	0042	0062	0088	0117	0142								
R0164-01	20	0010	0026	0043	0063	0089	0118	0143	0168							
R0164-01	22	0011	0027	0044	0064	0090										
R0164-01	25	0012	0028	0045	0065	0091	0119	0144	0169	0186						
R0164-01	30	0013	0029	0046	0066	0092	0120	0145	0170	0187		0224				
R0164-01	35	0014	0030	0047	0067	0093	0121	0146	0171	0188	0208	0225				
R0164-01	40	0015	0031	0048	0068	0094	0122	0147	0172	0189	0209	0226		0255		
R0164-01	45	0016	0032	0049	0069	0095	0123	0148	0173	0190	0210	0227		0256		
R0164-01	50	0017	0033	0050	0070	0096	0124	0149	0174	0191	0211	0228	0244	0257	0273	0289
R0164-01	55		0034	0051	0071	0097	0125	0150	0175	0192	0212	0229		0258		
R0164-01	60		0035	0052	0072	0098	0126	0151	0176	0193	0213	0230	0245	0259	0274	0290
R0164-01	65				0073	0099	0127	0152	0177		0214	0231		0260		
R0164-01	70			0053	0074	0100	0128	0153	0178	0194	0215	0232	0246	0261	0275	0291

## R0164

Vite a testa svasata piana con esagono incassato (UNI5933, DIN7991) - VTSPEI  
Flat countersunk head screw with hexagon socket (UNI5933, DIN7991) - VTSPEI



### Descrizione:

Esempio di ordinativo: **R0164-01-0001**  
Materiale: Acciaio UNI EN 20898/1 10.9  
Normativa: UNI 5933 - DIN 7991

### Description:

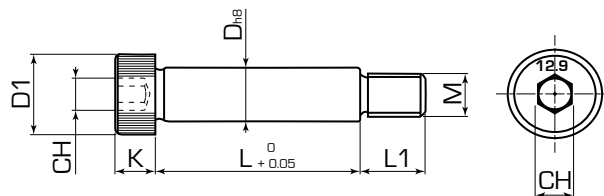
Example of purchasing order: **R0164-01-0001**  
Material: Steel UNI EN 20898/1 10.9  
Standard: UNI 5933 - DIN 7991

	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
<b>M</b>	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
<b>D</b>	6	8	10	12	16	20	24	27	30	33	36	36	39	39	39
<b>K</b>	1.7	2.3	2.8	3.3	4.4	5.5	6.5	7	7.5	8	8.5	13.1	14	14	14
<b>CH</b>	2	2.5	3	4	5	6	8	10	10	10	12	14	14	14	14
<b>A°</b>	90	90	90	90	90	90	90	90	90	90	90	60	60	60	60
<b>Passo - Thread pitch</b>	0.5	0.7	0.8	1	1.25	1.50	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M														
		M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0164-01	75				0075	0101	0129									
R0164-01	80			0054	0076	0102	0130	0154	0179	0195	0216	0233	0247	0262	0276	0292
R0164-01	85					0103	0131									
R0164-01	90			0055	0077	0104	0132	0155	0180	0196	0217	0234	0248	0263	0277	0293
R0164-01	100			0056	0078	0105	0133	0156	0181	0197	0218	0235	0249	0264	0278	0294
R0164-01	110				0079	0106	0134	0157	0182	0198	0219	0236	0250	0265	0279	0295
R0164-01	120				0080	0107	0135	0158	0183	0199	0220	0237	0251	0266	0280	0296
R0164-01	130				0081	0108	0136	0159	0184	0200	0221	0238	0252	0267	0281	0297
R0164-01	140				0082	0109	0137	0160		0201	0222	0239	0253	0268	0282	0298
R0164-01	150				0083	0110	0138	0161	0185	0202	0223	0240	0254	0269	0283	0299
R0164-01	160					0111	0139	0162		0203		0241		0270	0284	0300
R0164-01	170														0285	0301
R0164-01	180					0112	0140	0163		0204		0242		0271	0286	0302
R0164-01	190														0287	0303
R0164-01	200					0113	0141	0164		0205		0243		0272		
R0164-01	210									0206						
R0164-01	240							0165								
R0164-01	250							0166								
R0164-01	270								0207							
R0164-01	300							0167							0288	0304

## R0160

Vite a colletto con gambo rettificato esagono incassato - VGR  
Shouldered screw with ground shaft and hexagon socket - VGR



### Descrizione:

Esempio di ordinativo: R0160-01-0001  
Materiale: Acciaio ISO 12.9

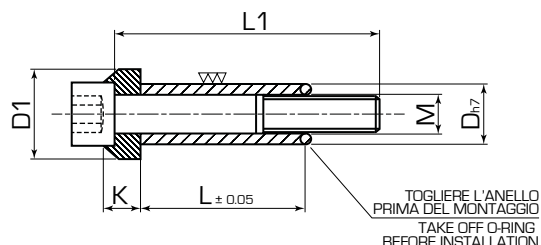
### Description:

Example of purchasing order: R0160-01-0001  
Material: Steel ISO 12.9

M	M4	M5	M6	M8	M10	M12	M16	M20
D	5	6	8	10	12	16	20	24
D1	8	10	13	16	18	24	30	36
K	4	4.5	5.5	7	9	11	14	16
CH	2.5	3	4	5	6	8	10	12
L1	8	9.5	11	13	16	18	22	27

Codice Code	L	M							
		M4	M5	M6	M8	M10	M12	M16	M20
R0160-01	10	0001	0013	0029					
R0160-01	12	0002	0014	0030					
R0160-01	15	0003	0015	0031	0047	0065			
R0160-01	16	0004	0016	0032	0048	0066			
R0160-01	20	0005	0017	0033	0049	0067			
R0160-01	25	0006	0018	0034	0050	0068	0084		
R0160-01	30	0007	0019	0035	0051	0069	0085	0102	
R0160-01	35	0008	0020	0036	0052	0070	0086	0103	
R0160-01	40	0009	0021	0037	0053	0071	0087	0104	0119
R0160-01	45	0010	0022	0038	0054	0072	0088	0105	0120
R0160-01	50	0011	0023	0039	0055	0073	0089	0106	0121
R0160-01	55		0024	0040	0056	0074	0090	0107	0122
R0160-01	60		0025	0041	0057	0075	0091	0108	0123
R0160-01	65		0026	0042	0058	0076	0092	0109	0124
R0160-01	70		0027	0043	0059	0077	0093	0110	0125
R0160-01	80		0028	0044	0060	0078	0094	0111	0126
R0160-01	90			0045	0061	0079	0095	0112	0127
R0160-01	100			0046	0062	0080	0096	0113	0128
R0160-01	110				0063	0081	0097	0114	0129
R0160-01	120				0064	0082	0098	0115	0130
R0160-01	140					0083	0099	0116	0131
R0160-01	160						0100	0117	0132
R0160-01	200						0101	0118	0133

## R0161 Vite a colletto con distanziale rettificato - VGRD Shouldered screw with ground spacer - VGRD



### Descrizione:

Esempio di ordinativo: **R0161-01-0001**  
Materiale: classe 12.9 UNI 5931

### Description:

Example of purchasing order: **R0161-01-0001**  
Material: steel type 12.9 UNI 5931

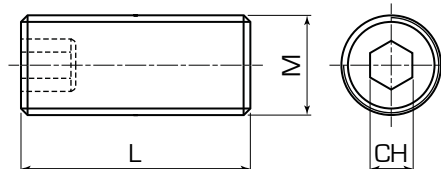
M	M6	M8	M10	M12	M16
D	10	12.5	15	17.5	23
D1	15	19	23	27	34
K	6	6.5	7.5	9	11

Codice Code	L	M (L1)				
		M6	M8	M10	M12	M16
R0161-03	15	0001 (30)				
R0161-03	20	0002 (35)	0017 (35)	0034 (40)		
R0161-03	25	0003 (40)	0018 (40)	0035 (45)		
R0161-03	30	0004 (45)	0019 (45)	0036 (50)	0055 (50)	
R0161-03	35	0005 (50)	0020 (50)	0037 (55)	0056 (55)	
R0161-03	40	0006 (55)	0021 (55)	0038 (60)	0057 (60)	0075 (70)
R0161-03	45	0007 (60)	0022 (60)	0039 (65)	0058 (65)	0076 (75)
R0161-03	50	0008 (65)	0023 (65)	0040 (70)	0059 (70)	0077 (80)
R0161-03	55	0009 (70)	0024 (70)	0041 (75)	0060 (80)	0078 (90)
R0161-03	60	0010 (80)	0025 (80)	0042 (80)	0061 (90)	0079 (90)
R0161-03	65	0011 (80)	0026 (80)	0043 (85)	0062 (90)	0080 (100)
R0161-03	70	0012 (90)	0027 (90)	0044 (90)	0063 (100)	0081 (100)
R0161-03	80	0013 (100)	0028 (100)	0045 (100)	0064 (110)	0082 (110)
R0161-03	90	0014 (110)	0029 (110)	0046 (110)	0065 (120)	0083 (120)
R0161-03	100	0015 (120)	0030 (120)	0047 (120)	0066 (130)	0084 (130)
R0161-03	110	0016 (130)	0031 (130)	0048 (130)	0067 (140)	0085 (140)
R0161-03	120		0032 (140)	0049 (140)	0068 (150)	0086 (150)
R0161-03	140		0033 (160)	0050 (160)	0069 (180)	0087 (180)
R0161-03	150			0051 (170)	0070 (180)	0088 (180)
R0161-03	160			0052 (180)	0071 (200)	0089 (200)
R0161-03	180			0053 (200)	0072 (220)	0090 (210)
R0161-03	200			0054 (220)	0073 (240)	0091 (240)
R0161-03	220				0074 (260)	0092 (250)
R0161-03	230					0093 (260)

## R0165

Grani (UNI5923, DIN913) - GR

Hexagon socket set screws (UNI5923, DIN913) - GR



**Descrizione:**

Esempio di ordinativo: R0165-01-0001

Materiale: Classe 12.9

Normativa: UNI 5923 - DIN 913

**Description:**

Example of purchasing order: R0165-01-0001

Material: Class 12.9

Standard: UNI 5923 - DIN 913

M	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
CH	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	8/10	10	12	12	19	14
Passo - T. pitch	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5

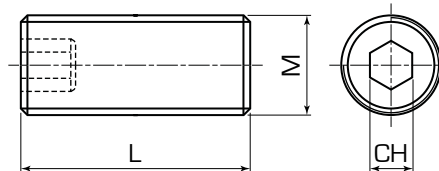
Codice Code	L	M																
		M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0165-01	2	0001	0009															
	2.5	0002	0010															
	3	0003	0011	0024	0039													
	4	0004	0012	0025	0040	0061	0084											
	5	0005	0013	0026	0041	0062	0085	0112										
	6	0006	0014	0027	0042	0063	0086	0113	0145									
	7			0028	0064	0114												
	8	0007	0015	0029	0043	0065	0087	0115	0146	0177								
	9				0044	0066												
	10	0008	0016	0030	0045	0067	0088	0116	0147	0178	0210	0238						
	12		0017	0031	0046	0068	0089	0117	0148	0179	0211	0239						
	14			0032	0047	0069	0090	0118	0149	0180	0212	0240						
	16			0033	0048	0070	0091	0119	0150	0181	0213	0241	0265	0285				0363
	18			0034	0049	0071	0092	0120	0151	0182	0214	0242	0266					
	20			0035	0050	0072	0093	0121	0152	0183	0215	0243	0267	0286	0306	0326	0345	0364
	22			0036	0051	0073	0094	0122	0153	0184								
	25			0037	0052	0074	0095	0123	0154	0185	0216	0244	0268	0287	0307	0327	0346	0365
	28				0053	0096												
	30			0038	0054	0075	0097	0124	0155	0186	0217	0245	0269	0288	0308	0328	0347	0366
	35				0055	0076	0098	0125	0156	0187	0218	0246	0270	0289	0309	0329	0348	0367
40				0056	0077	0099	0126	0157	0188	0219	0247	0271	0290	0310	0330	0349	0368	
45				0057	0078	0100	0127	0158	0189	0220	0248	0272	0291	0311	0331	0350	0369	
50				0058	0079	0101	0128	0159	0190	0221	0249	0273	0292	0312	0332	0351	0370	
55				0059	0080	0102	0129	0160	0191	0222	0250		0293	0313				



## R0165

Grani (UNI5923, DIN913) - GR

Hexagon socket set screws (UNI5923, DIN913) - GR



### Descrizione:

Esempio di ordinativo: R0165-01-0001

Materiale: Classe 12.9

Normativa: UNI 5923 - DIN 913

### Description:

Example of purchasing order: R0165-01-0001

Material: Class 12.9

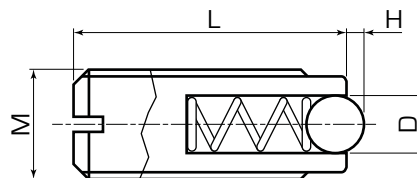
Standard: UNI 5923 - DIN 913

M	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
CH	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	8/10	10	12	12	19	14
Passo - T. pitch	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5

Codice Code	L	M																
		M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
R0165-01	60				0060	0081	0103	0130	0161	0192	0223	0251	0274	0294	0314	0333	0352	0371
	65					0082	0104	0131	0162	0193	0224	0252			0315			
	70					0083	0105	0132	0163	0194	0225	0253	0275	0295	0316	0334	0353	0372
	75						0106	0133	0164	0195	0226	0254		0296				
	80						0107	0134	0165	0196	0227	0255	0276	0297	0317	0335	0354	0373
	85						0108	0135	0166	0197					0318	0336		
	90						0109	0136	0167	0198	0228	0256	0277	0298	0318	0337	0355	0374
	95						0110	0137	0168	0199								
	100						0111	0138	0169	0200	0229	0257	0278	0299	0319	0338	0356	0375
	110							0139	0170	0201	0230	0258	0279	0300	0320	0339	0357	0376
	115										0231			0301				
	120							0140	0171	0202	0232	0259	0280		0321	0340	0358	0377
	130							0141	0172	0203	0233	0260	0281	0302	0322	0341	0359	0378
	135																	
	140							0142	0173	0204	0234	0261	0282	0303	0323	0342	0360	0379
	150								0174	0205	0235	0262	0283	0304	0324	0343	0361	0380
	160							0143	0175		0236	0263	0284	0305	0325	0344	0362	0381
	170								0176	0206		0264						
180							0144		0207	0237								
190									0208									
200									0209									

## R0166

Grani a sfera - GRSF  
Ball spring plungers - GRSF



### Descrizione:

Materiale:  
Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

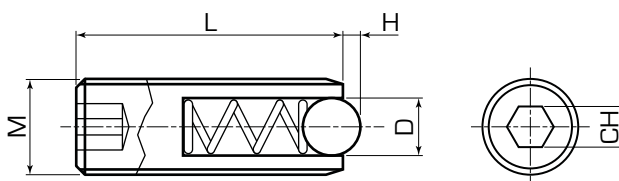
### Description:

Material:  
Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force
R0166-01-0001	M3	7	0.5	1.5	1.5	3
R0166-01-0002	M4	9	0.8	2.5	6	12
R0166-01-0003	M5	12	0.9	3	7	13
R0166-01-0004	M6	14	1	3.5	9	15
R0166-01-0005	M8	16	1.5	5	20	35
R0166-01-0006	M10	19	2	6	25	45
R0166-01-0007	M12	22	2.5	8	35	60
R0166-01-0008	M16	24	3.5	10	65	110
R0166-01-0009	M20	30	4.5	12	80	160

## R0167

Grani a sfera con esagono incassato - GRSF ES  
Hex-socket ball spring plungers - GRSF ES



### Descrizione:

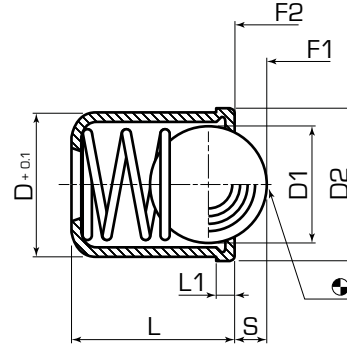
Materiale:  
Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

### Description:

Material:  
Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force	CH
R0167-01-0001	M6	15	1	3.5	9	13	3
R0167-01-0002	M8	18	1.5	4.5	15	30	4
R0167-01-0003	M10	23	2	6	20	35	5
R0167-01-0004	M12	26	2.5	8	30	55	6
R0167-01-0005	M16	33	3.5	10	65	125	8
R0167-01-0006	M20	43	4.5	12	80	160	10
R0167-01-0007	M24	48	5.5	15	90	180	12

## R0194 Posizionatore esecuzione liscia Smooth spring plunger



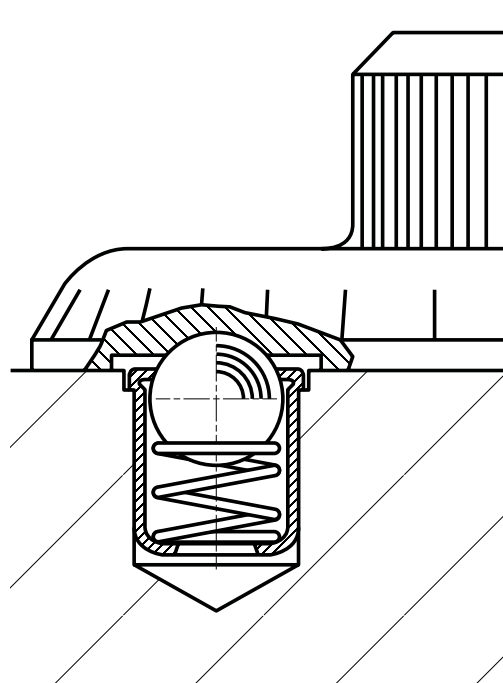
### Descrizione:

Materiale:  
 Corpo: Acciaio INOX 1.4303  
 Sfera: Acciaio INOX, Temprato  
 Molla: Acciaio INOX

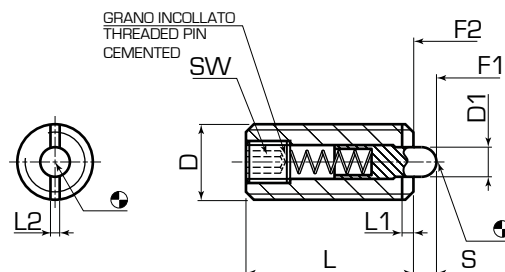
### Description:

Material:  
 Body: Stainless steel 1.4303  
 Ball: Stainless steel, hardened  
 Spring: Stainless steel

Codice Code	D	D1	D2	L	L1	S	Peso Weight (gr.)	F1 N≈ Spinta Spring load	F2 N≈ Spinta Spring load	max C°
R0194-02-0001	3	2.38	3.5	4	0.75	0.7	0.2	1.8	3.5	250
R0194-02-0002	4	3	4.6	5	0.9	1	0.4	2.5	6	250
R0194-02-0003	5	4	5.6	6	0.9	1.4	0.6	3	6.5	250
R0194-02-0004	6	5	6.5	7	1	1.8	1	5.5	11.5	250
R0194-02-0005	8	6.5	8.5	9	1.1	2.4	2.2	7	12.5	250
R0194-02-0006	10	8.5	11	13	1.7	3.3	4.0	8.5	18.5	250
R0194-02-0007	12	10	13	16	2.3	4	7.8	12	26.5	250



## R0190 Posizionatore con esagono incassato Spring plunger with hexagon socket



### Descrizione:

Materiale:

Corpo: Acciaio automatico temprato - brunito

Sfera: Acciaio automatico temprato - brunito

Molla: Acciaio INOX

Nota: questi posizionatori sono usati come arresti o espulsori. Possono essere montati e smontati tramite l'esagono incassato posteriore sia tramite l'intaglio frontale. Sono disponibili gli appositi cacciaviti. L'esecuzione in acciaio automatico con spinta maggiorata si distingue per il grano filettato non brunito.

### Description:

Material:

Body: Free cutting steel hardened - burnished

Ball: Free cutting steel hardened - burnished

Spring: Stainless steel

Note: to be used for locating or for applying pressure, as a detent or for ejection. Spring plungers can be fixed and removed by internal hexagon or by front cutting. The appropriate screwdrivers are available.

Free cutting steel finish with increased spring load is characterized by a not burnished threaded pin.

Codice Code	Tipo Type	D	D1	L	L1	L2	S	SW	Peso Weight (gr.)	F1 N≈ Spinta Spring load	F2 N≈ Spinta Spring load	max C°
R0190-02-0001	spinta normale / standard spring load	M3	1	12	0.5	0.4	1	0.7	0.4	2	4	250
R0190-02-0002		M4	1.5	15	0.6	0.6	1.5	1.3	0.8	4.5	16	250
R0190-02-0003		M5	2.4	18	0.8	1.2	2.3	1.5	1.6	6	19	250
R0190-02-0004		M6	2.7	20	0.9	1.3	2.5	2	2.5	6	19	250
R0190-02-0005		M8	3.5	22	1.4	1.5	3	2.5	6	10	39	250
R0190-02-0006		M10	4	33	1.4	1.5	3	3	9	10	39	250
R0190-02-0007		M12	6	28	2	2.7	4	4	16	12	53	250
R0190-02-0008		M16	7.5	32	2.5	3.2	5	5	35	45	100	250
R0190-02-0009		M20	10	40	3	3.7	7	6	65	52	125	250
R0190-02-0010		M24	12	52	3	3.7	10	8	120	70	170	250
R0190-02-0011	spinta maggiorata / increased spring load	M5	2.4	18	0.8	1.2	2.3	1.5	1.3	11	40	250
R0190-02-0012		M6	2.7	20	0.9	1.3	2.5	2	2.5	15	43	250
R0190-02-0013		M8	3.5	22	1.4	1.5	3	2.5	6	20	75	250
R0190-02-0014		M10	4	22	1.4	1.5	3	3	9	20	75	250
R0190-02-0015		M12	6	28	2	2.7	4	4	16	45	120	250
R0190-02-0016		M16	7.5	32	2.5	3.2	5	5	35	64	160	250
R0190-02-0017		M20	10	40	3	3.7	7	6	65	75	195	250
R0190-02-0018		M24	12	52	3	3.7	10	8	120	75	245	250

## R0191

Cacciavite per posizionatore R0190  
Screwdriver for spring plunger R0190

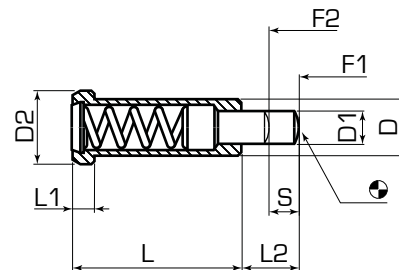


Descrizione:

Description:

Codice Code	D
R0191-02-0001	M3
R0191-02-0002	M4
R0191-02-0003	M5
R0191-02-0004	M6
R0191-02-0005	M8
R0191-02-0006	M10
R0191-02-0007	M12
R0191-02-0008	M16
R0191-02-0009	M20
R0191-02-0010	M24

## R0192 Espulsore esecuzione liscia Smooth spring ejector



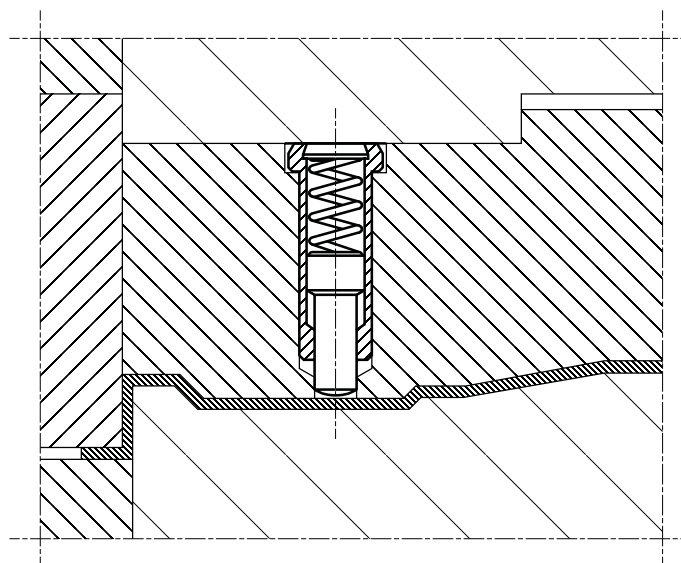
### Descrizione:

**Materiale:**  
 Corpo: Acciaio automatico - brunito  
 Sfera: Acciaio automatico temprato - brunito  
 Molla: Acciaio INOX  
 Nota: sono generalmente usati negli stampi come espulsori o fermi.  
 La loro forma ne impedisce l'uscita dalla sede.

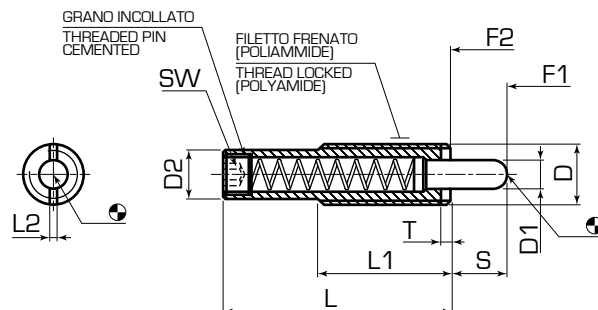
### Description:

**Material:**  
 Body: Free cutting steel - burnished  
 Ball: Free cutting steel hardened - burnished  
 Spring: Stainless steel  
 Note: to be used for locating or for applying pressure, as a detent or for ejection. It is impossible for the complete spring plunger or any of its individual parts to come out of the relating bore.

Codice Code	D	D1	D2	L	L1	L2	S	SW	Peso Weight (gr.)	F1 N <sup>≈</sup> Spinta Spring load	F2 N <sup>≈</sup> Spinta Spring load	max C°
R0192-02-0001	6	2.7	8	20	3.2	6	3.5	3	4	10	22	+ 250
R0192-02-0002	8	3.9	10	24	3.2	8	4.5	4	8	30	88	+ 250
R0192-02-0003	10	5.9	13	30	4	10	5.5	6	14	42	110	+ 250
R0192-02-0004	12	7.9	16	36	5	12	6.5	6	26	50	130	+ 250



## R0193 Espulsore esecuzione lunga Long spring ejector



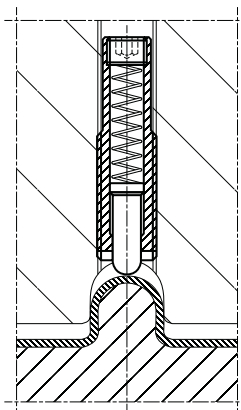
### Descrizione:

Materiale:  
Corpo: Acciaio automatico - brunito / Acciaio da bonifica - brunito  
Sfera: Acciaio cementato temprato - brunito  
Molla: Acciaio INOX  
Nota: questi elementi sono usati come arresti, espulsori, smorzatori nella costruzione di stampi. Il montaggio avviene sia tramite l'esagono incassato sia tramite l'intaglio frontale. Sono disponibili gli appositi cacciaviti. L'esecuzione in acciaio automatico con spinta maggiorata si distingue per il grano di chiusura non brunito.

### Description:

Material:  
Body: Free cutting steel - burnished / Quenched steel - burnished  
Ball: Cemented hardened - burnished Steel  
Spring: Stainless steel  
Note: to be used for ejecting or for applying pressure or as an attenuation element. Spring plungers can be fixed and removed by internal hexagon or by front cutting. The appropriate screwdrivers are available. Free cutting steel finish with increased spring load is characterized by a not burnished threaded pin.

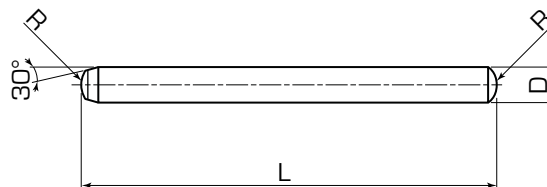
Codice Code	Tipo Type	D	D1	D2	L	L1	L2	S	T	SW	Peso Weight (gr.)	F1 N≈ Spinta Spring load	F2 N≈ Spinta Spring load
R0193-02-0001	spinta normale / standard spring load	M10	4	7.8	35	25	1.5	8	1.4	3	15	6	16
R0193-02-0002		M12	5.5	9.5	43	35	2.7	10	2	4	23	4	18
R0193-02-0003		M16	8	13.4	48	35	3.2	10	3	6	42	7	24
R0193-02-0004		M16	8	13.4	58	35	3.2	10	3	6	53	15	42
R0193-02-0005		M16	8	13.4	58	35	3.2	15	3	6	55	9	33
R0193-02-0006		M16	8	13.4	58	35	3.2	20	3	6	57	4	23
R0193-02-0007		M16	8	13.4	83	35	3.2	20	3	6	71	11	43
R0193-02-0008		M16	8	13.4	98	35	3.2	25	3	6	78	13	41
R0193-02-0009		M16	8	13.4	98	35	3.2	30	3	6	80	13	47
R0193-02-0010		M16	8	13.4	118	35	3.2	30	3	6	95	24	110
R0193-02-0011	spinta maggiorata / increased spring load	M16	8	13.4	148	35	3.2	40	3	6	123	13	63
R0193-02-0012		M16	8	13.4	148	35	3.2	50	3	6	127	7	43
R0193-02-0013		M24	10	19.6	60	45	3.7	15	3	8	115	14	87
R0193-02-0014		M12	5.5	9.5	43	35	2.7	10	2	4	23	7	46
R0193-02-0015		M16	8	13.4	48	35	3.2	10	3	6	42	10	43
R0193-02-0016		M16	8	13.4	58	35	3.2	10	3	6	53	14	84
R0193-02-0017		M16	8	13.4	58	35	3.2	15	3	6	55	10	57
R0193-02-0018		M16	8	13.4	83	35	3.2	20	3	6	71	18	72
R0193-02-0019		M16	8	13.4	98	35	3.2	25	3	6	78	20	70
R0193-02-0020		M16	8	13.4	98	35	3.2	30	3	6	80	20	80
R0193-02-0021	M16	8	13.4	148	35	3.2	40	3	6	123	21	113	
R0193-02-0022	M16	8	13.4	148	35	3.2	50	3	6	127	13	75	
R0193-02-0023	M24	10	19.6	60	45	3.7	15	3	8	115	24	192	



# Spine cilindriche Dowel pins



**R0157** Spina cilindrica (DIN6325, UNI6364A) - SC  
Dowel pin (DIN6325, UNI6364A) - SC



**Descrizione:**

Esempio di ordinativo: **R0157-01-0001**  
Materiale: Acciaio per utensili Temprato  
Tolleranza di rettifica: "m6" e "h6"

**Description:**

Example of purchasing order: **R0157-01-0001**  
Material: Hardened Tool Steel  
Tolerance: "m6" and "h6"

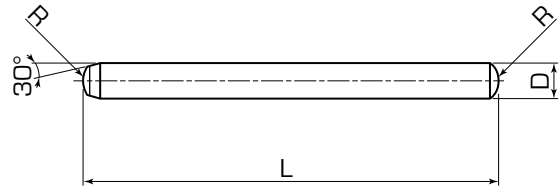
Codice Code	Tol. D	L	D															
			1	1.5	2	2.5	3	4	5	6	8	10	12	14	16	18	20	
R0157-01	m6	4	0002															
R0157-01	m6	5	0004	0014														
R0157-01	h6	6			0033			0081	0109									
R0157-01	m6	6	0006	0016	0034	0058	0082	0110										
R0157-01	h6	8			0035		0083	0111	0145									
R0157-01	m6	8	0008	0018	0036	0060	0084	0112	0146									
R0157-01	h6	10			0037		0085	0113	0147	0184								
R0157-01	m6	10	0010	0020	0038	0062	0086	0114	0148	0185								
R0157-01	h6	12			0039		0087	0115	0149	0186								
R0157-01	m6	12	0012	0022	0040	0064	0088	0116	0150	0187								
R0157-01	h6	14			0041		0089	0117	0151	0188								
R0157-01	m6	14		0024	0042	0066	0090	0118	0152	0189								
R0157-01	h6	16			0043		0091	0119	0153	0190	0222							
R0157-01	m6	16		0026	0044	0068	0092	0120	0154	0191	0223							
R0157-01	h6	18			0045		0093	0121	0155	0192	0224	0256						
R0157-01	m6	18		0028	0046	0070	0094	0122	0156	0193	0225	0257						
R0157-01	h6	20			0047		0095	0123	0157	0194	0226	0258	0290					
R0157-01	m6	20		0030	0048	0072	0096	0124	0158	0195	0227	0259	0291					
R0157-01	h6	24			0049		0097	0125	0159	0196	0228	0260	0292					
R0157-01	m6	24		0032	0050	0074	0098	0126	0160	0197	0229	0261	0293					
R0157-01	h6	28			0051		0099	0127	0162	0198	0230	0262	0294					
R0157-01	m6	28			0052	0076	0100	0128	0163	0199	0231	0263	0295					
R0157-01	h6	30			0053		0101	0129	0164	0200	0232	0264	0296					
R0157-01	m6	30			0054	0078	0102	0130	0165	0201	0233	0265	0297					
R0157-01	h6	32			0055		0103	0131	0166	0202	0234	0266	0298					



# Spine cilindriche Dowel pins



**R0157** Spina cilindrica (DIN6325, UNI6364A) - SC  
Dowel pin (DIN6325, UNI6364A) - SC



**Descrizione:**

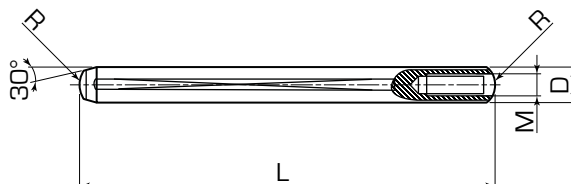
Esempio di ordinativo: **R0157-01-0001**  
Materiale: Acciaio per utensili Temprato  
Tolleranza di rettifica: "m6" e "h6"

**Description:**

Example of purchasing order: **R0157-01-0001**  
Material: Hardened Tool Steel  
Tolerance: "m6" and "h6"

Codice Code	Tol. D	L	D															
			1	1.5	2	2.5	3	4	5	6	8	10	12	14	16	18	20	
R0157-01	m6	32			0056	0080	0104	0132	0167	0203	0235	0267	0299					
R0157-01	h6	36					0105	0133	0168	0204	0236	0268	0300					
R0157-01	m6	36					0106	0134	0169	0205	0237	0269	0301					
R0157-01	h6	40					0107	0135	0170	0206	0238	0270	0302	0326	0350	0374	0398	
R0157-01	m6	40					0108	0136	0171	0207	0239	0271	0303	0327	0351	0375	0399	
R0157-01	h6	45						0137	0172	0208	0240	0272	0304	0328	0352	0376	0400	
R0157-01	m6	45						0138	0173	0209	0241	0273	0305	0329	0353	0377	0401	
R0157-01	h6	50						0139	0174	0210	0242	0274	0306	0330	0354	0378	0402	
R0157-01	m6	50						0140	0175	0211	0243	0275	0307	0331	0355	0379	0403	
R0157-01	h6	55						0141	0176	0212	0244	0276	0308	0332	0356	0380	0404	
R0157-01	m6	55						0142	0177	0213	0245	0277	0309	0333	0357	0381	0405	
R0157-01	h6	60						0143	0178	0214	0246	0278	0310	0334	0358	0382	0406	
R0157-01	m6	60						0144	0179	0215	0247	0279	0311	0335	0359	0383	0407	
R0157-01	h6	70							0180	0216	0248	0280	0312	0336	0360	0384	0408	
R0157-01	m6	70							0181	0217	0249	0281	0313	0337	0361	0385	0409	
R0157-01	h6	80							0182	0218	0250	0282	0314	0338	0362	0386	0410	
R0157-01	m6	80							0183	0219	0251	0283	0315	0339	0363	0387	0411	
R0157-01	h6	90								0220	0252	0284	0316	0340	0364	0388	0412	
R0157-01	m6	90								0221	0253	0285	0317	0341	0365	0389	0413	
R0157-01	h6	100									0254	0286	0318	0342	0366	0390	0414	
R0157-01	m6	100									0255	0287	0319	0343	0367	0391	0415	
R0157-01	h6	120										0288	0320	0344	0368	0392	0416	
R0157-01	m6	120										0289	0321	0345	0369	0393	0417	
R0157-01	h6	140											0322	0346	0370	0394	0418	
R0157-01	m6	140											0323	0347	0371	0395	0419	
R0157-01	h6	150											0324	0348	0372	0396	0420	
R0157-01	m6	150											0325	0349	0373	0397	0421	

## R0158 Spina cilindrica con foro filettato (DIN7979, UNI6364B) - SCF Dowel pin with threaded hole (DIN7979, UNI6364B) - SCF



### Descrizione:

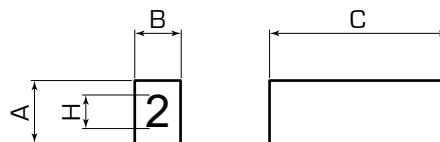
Esempio di ordinativo: **R0158-01-0001**  
 Materiale: Acciaio per utensili Temprato  
 Tolleranza di rettifica: "m6" e "h6"

### Description:

Example of purchasing order: **R0158-01-0001**  
 Material: Hardened Tool Steel  
 Tolerance: "m6" and "h6"

Codice Code	Tolleranza Tolerance D	L	D x M							
			6 x M4	8 x M5	10 x M6	12 x M6	14 x M8	16 x M8	18 x M10	20 x M10
R0158-01	h6	20	0001	0030	0060	0092				
R0158-01	m6	20	0002	0031	0061	0093				
R0158-01	h6	24	0003	0032	0062	0094				
R0158-01	m6	24	0004	0033	0063	0095				
R0158-01	h6	30	0006	0034	0064	0097	0125			
R0158-01	m6	30	0007	0035	0065	0098	0126			
R0158-01	h6	32	0008	0036	0066	0099				
R0158-01	m6	32	0009	0037	0067	0100				
R0158-01	h6	36	0010	0038	0068	0101	0127	0153		
R0158-01	m6	36	0011	0039	0069	0102	0128	0154		
R0158-01	h6	40	0012	0040	0070	0103	0129	0155	0179	0203
R0158-01	m6	40	0013	0041	0071	0104	0130	0156	0180	0204
R0158-01	h6	45	0014	0042	0072	0105	0131	0157	0181	0205
R0158-01	m6	45	0015	0043	0073	0106	0132	0158	0182	0206
R0158-01	h6	50	0016	0044	0074	0107	0133	0159	0183	0207
R0158-01	m6	50	0017	0045	0075	0108	0134	0160	0184	0208
R0158-01	h6	55	0018	0046	0076	0109	0135	0161	0185	0209
R0158-01	m6	55	0019	0047	0077	0110	0136	0162	0186	0210
R0158-01	h6	60	0020	0048	0078	0111	0137	0163	0187	0211
R0158-01	m6	60	0021	0049	0079	0112	0138	0164	0188	0212
R0158-01	h6	70	0022	0050	0080	0113	0139	0165	0189	0213
R0158-01	m6	70	0023	0051	0081	0114	0140	0166	0190	0214
R0158-01	h6	80	0024	0052	0082	0115	0141	0167	0191	0215
R0158-01	m6	80	0025	0053	0083	0116	0142	0168	0192	0216
R0158-01	h6	90	0026	0054	0084	0117	0143	0169	0193	0217
R0158-01	m6	90	0027	0055	0085	0118	0144	0170	0194	0218
R0158-01	h6	100	0028	0056	0086	0119	0145	0171	0195	0219
R0158-01	m6	100	0029	0057	0087	0120	0146	0172	0196	0220
R0158-01	h6	120		0058	0088	0121	0147	0173	0197	0221
R0158-01	m6	120		0059	0089	0122	0148	0174	0198	0222
R0158-01	h6	140			0090	0123	0149	0175	0199	0223
R0158-01	m6	140			0091	0124	0150	0176	0200	0224
R0158-01	h6	150					0151	0177		
R0158-01	m6	150					0152	0178		
R0158-01	h6	160							0201	0225
R0158-01	m6	160							0202	0226

## R0672 Caratteri normali a filo continuo Standard characters complete figure



### Descrizione:

Esempio di ordinativo: **R0672-02-0001**  
Resistenza della linea d'incisione: 58/60 HRC

### Description:

Example of purchasing order: **R0672-02-0001**  
Incision line strength: HRC 58/60

Codice Code	H	Pollici Inches	A	B	C	Serie lettere A-Z - 26 pezzi Letters from A to Z - 26 pieces	Serie numeri 0-9 - 10 pezzi Numbers from 0 to 9 - 10 pieces
R0672-02	1	3/64	4	1.5	19.05	0001	0028
R0672-02	1.5	1/16	4	1.5	19.05	0039	0066
R0672-02	2	5/64	4	2	19.05	0077	0104
R0672-02	2.5	3/32	6	2.5	19.05	0115	0142
R0672-02	3	1/8	6	3	19.05	0153	0180
R0672-02	4	5/32	8	4	19.05	0191	0218
R0672-02	5	3/16	8	5	19.05	0229	0256
R0672-02	6	1/4	10	6	19.05	0267	0294
R0672-02	8	5/16	12	8	19.05	0305	0332
R0672-02	10	3/8	14	10	19.05	0343	0370

### Tipo Numero Singolo 0-9

### Type Single Number 0-9

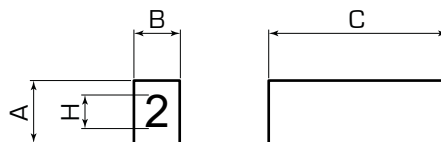
Codice Code	H	Pollici Inches	Numeri Numbers									
			0	1	2	3	4	5	6	7	8	9
R0672-02	1	3/64	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038
R0672-02	1.5	1/16	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076
R0672-02	2	5/64	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114
R0672-02	2.5	3/32	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152
R0672-02	3	1/8	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190
R0672-02	4	5/32	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228
R0672-02	5	3/16	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266
R0672-02	6	1/4	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304
R0672-02	8	5/16	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342
R0672-02	10	3/8	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380

### Tipo Lettera Singola A-Z

### Type Single Letter from A to Z

Codice Code	H	Pollici Inches	Lettere Letters																									
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
R0672-02	1	3/64	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027
	1.5	1/16	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065
	2	5/64	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103
	2.5	3/32	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141
	3	1/8	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179
	4	5/32	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217
	5	3/16	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255
	6	1/4	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293
	8	5/16	0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331
	10	3/8	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369

## R0673 Caratteri normali Micro-Stress Standard characters Micro-Stress



### Descrizione:

Esempio di ordinativo: **R0673-02-0001**  
Resistenza della linea d'incisione: 58/60 HRC  
A norme ASME

### Description:

Example of purchasing order: **R0673-02-0001**  
Incision line strenght: HRC 58/60  
According to ASME

Codice Code	H	Pollici Inches	A	B	C	Serie lettere A-Z - 26 pezzi Letters from A to Z - 26 pieces	Serie numeri 0-9 - 10 pezzi Numbers from 0 to 9 - 10 pieces
R0673-02	3	1/8	6	3	19.05	0001	0028
R0673-02	4	5/32	8	4	19.05	0039	0066
R0673-02	5	3/16	8	5	19.05	0077	0104
R0673-02	6	1/4	10	6	19.05	0115	0142
R0673-02	8	5/16	12	8	19.05	0153	0180
R0673-02	10	3/8	14	10	19.05	0191	0218

### Tipo Numero Singolo 0-9

### Type Single Number 0-9

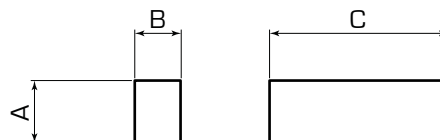
Codice Code	H	Pollici Inches	Numeri Numbers									
			0	1	2	3	4	5	6	7	8	9
R0673-02	3	1/8	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038
R0673-02	4	5/32	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076
R0673-02	5	3/16	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114
R0673-02	6	1/4	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152
R0673-02	8	5/16	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190
R0673-02	10	3/8	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228

### Tipo Lettera Singola A-Z

### Type Single Letter from A to Z

Codice Code	H	Pollici Inches	Lettere Letters																									
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
R0673-02	3	1/8	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027
	4	5/32	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065
	5	3/16	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103
	6	1/4	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141
	8	5/16	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179
10	3/8	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	

## R0675 Spaziatori Spacers



### Descrizione:

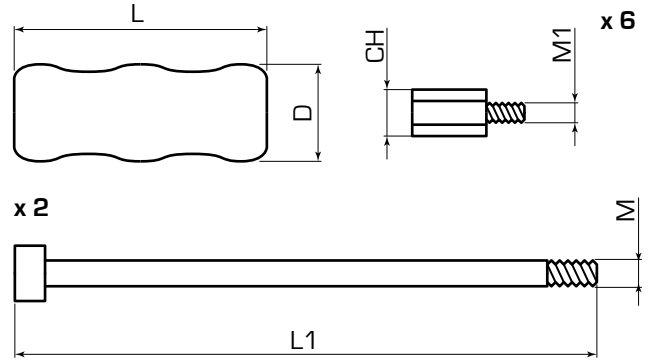
Resistenza della linea d'incisione: 58/60 HRC

### Description:

Incision line strenght: HRC 58/60

Codice Code	H	Pollici Inches	A	B	C	Peso Weight (gr.)
R0675-02-0001	1	3/64	4	1.5	18	1.5
R0675-02-0002	1.5	1/16	4	1.5	18	2
R0675-02-0003	2	5/64	4	2	18	3
R0675-02-0004	2.5	3/32	6	2.5	18	4
R0675-02-0005	3	1/8	6	3	18	4.5
R0675-02-0006	4	5/32	8	4	18	5
R0675-02-0007	5	3/16	8	5	18	5.5
R0675-02-0008	6	1/4	10	6	18	10
R0675-02-0009	8	5/16	12	8	18	15
R0675-02-0010	10	3/8	14	10	18	20

**R0706** Estrattore per spine cilindriche  
Slide hammer kit



**Descrizione:**

Vite di battuta M12 con sei adattatori inclusi: M3, M4, M5, M6, M8, M10.  
Compreso di due viti M12 con lunghezza 160 e 300.

**Description:**

Includes six adapters: M3, M4, M5, M6, M8 and M10.  
Sliding rods in two different lengths 160 and 300

Codice Code	D	L	L1	M	M1	CH	Peso Weight gr.
R0706-01-0001	48	120	160 - 300	M12	M3 - M4 - M5 - M6 - M8 - M10	17	900



# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock






























**ELEMENTI DI GUIDA - LAMIERA**  
**GUIDING ITEMS FOR DIE SETS**

**Ranco**





























# INDICE INDEX







ELEMENTI GUIDA ITALIA GUIDINGS ITALIAN STANDARD			
R0223		Colonna guida con testa - C3 Headed guide pillar - C3	7
R0224		Colonna guida senza testa - C4 Guide pillar without head - C4	8
R0225		Bussola guida senza collare - B4 Guide bush without collar - B4	9
R0226		Bussola guida senza collare con camicia in bronzo - B4B Guide bush without collar with bronze coated internal bore - B4B	10
R0227		Colonna conica senza testa - C5 Conical guide pillar without head - C5	11
R0228		Bussola guida a collare con fori di fissaggio cilindrica e conica - B5 Flanged guide bush, conical and cylindrical types - B5	12
R0229		Bussola guida a collare con fori di fissaggio cilindrica con camicia in bronzo - B5B Flanged guide bush with bronze coated internal bore - B5B	13
R0230		Colonna guida estraibile - C7 Demountable guide pillar - C7	14
R0231		Bussola guida estraibile - B7 Demountable guide bush - B7	15
R0232		Bussola guida estraibile con camicia in bronzo - B7B Demountable guide bush with bronze coated internal bore - B7B	17
R0233		Bussola guida estraibile in bronzo integrale - B7BB Bronze demountable guide bush - B7BB	20
R0609		Bussola guida estraibile in bronzo/grafite - B7BG Demountable guide bush, bronze/graphite - B7BG	23
R0234		Bussola guida estraibile diametro esterno maggiorato - B7SS Demountable guide bush - B7SS	26
R0235		Bussola guida estraibile diametro esterno maggiorato con camicia in bronzo - B7BSS Demountable guide bush with bronze coated internal bore - B7BSS	27
R0272		Boccola guida estraibile autolubrificante (con scorrimento su sinterizzato) - RWZ 70 Demountable long-term lubrication guide bush (with sintering slide) - RWZ70	28
ELEMENTI GUIDA ISO GUIDINGS ISO STANDARD			
R0240		Colonna guida senza testa (ISO 9182-2/DIN 9825) - R202.19 Guide pillar (ISO 9182-2/DIN 9825) - R202.19	31
R0610		Colonna guida senza testa con due filetti (ISO9182-2/DIN 9825) - R202.22 Guide pillar with internal thread on both sides (ISO9182-2/DIN9825) - R202.22	32
R0611		Colonna guida senza testa con filetto posteriore (ISO 9182-2/DIN 9825) - R202.23 Guide pillar with internal thread on bottom (ISO9182-2/DIN9825) - R202.23	33
R0612		Colonna guida senza testa con filetto anteriore (ISO 9182-2/DIN 9825) - R202.24 Guide pillar with internal thread on top (ISO9182-2/DIN9825) - R202.24	34
R0241		Colonna guida estraibile con fissaggio a collare intermedio - R2020.62 Demountable guide pillar with center fixing - R2020.62	35
R0663		Colonna guida estraibile (ISO 9182-5/DIN 9825) Demountable guide pillar (ISO 9182-5/DIN 9825)	36
R0664		Colonna guida conica senza testa (ISO 9182-4/DIN 9825) Conical guide pillar without head (ISO 9182-4/DIN 9825)	37
R0665		Bussola guida estraibile conica (ISO 9182-4/DIN 9825) Demountable conical guide bush (ISO 9182-4/DIN 9825)	40
R0242		Colonna guida senza testa (ISO 9182-3/DIN 9825) - R2022.19 Guide pillar without head (ISO9182-3/DIN9825) - R2022.19	41
R0243		Colonna guida estraibile (ISO 9182-5/DIN 9825) - R2021.46 Demountable guide pillar (ISO 9182-5/DIN 9825) - R2021.46	42



# INDICE INDEX

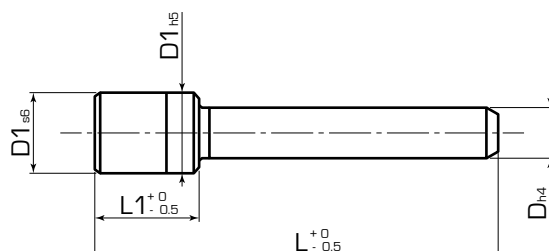
R0244		Bussola guida senza collare (ISO 9448-2/DIN 9831) - R2051.32 Guide bush without collar (ISO9448-2/DIN9831) - R2051.32	43
R0245		Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)	44
R0246		Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)	45
R0247		Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)	46
R0248		Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)	47
R0249		Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)	48
R0250		Bussola guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)	49
R0251		Bussola guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)	50
R0252		Bussola guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)	51
R0253		Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831) Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)	52
R0254		Bussola guida senza collare con riporto in bronzo/grafite (ISO 9448-2/DIN 9831) Guide bush without collar with bronze/graphite coated internal bore (ISO 9448-2/DIN 9831)	53
R0255		Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN9831) Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)	54
R0256		Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831) Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)	55
R0257		Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831) Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)	56
R0258		Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN 9831) Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)	57
R0259		Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN 9831) Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)	58
<b>ELEMENTI GUIDA SU SFERE SERIE ISO BALL BEARING GUIDINGS ISO STANDARD</b>			
R0260		Bussola guida senza collare per gabbia a sfere (ISO 9448-3/DIN 9831) - R2061.44 Ball bearing guide bush without collar (ISO9448-3/DIN9831) - R2061.44	59
R0261		Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.47 Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.47	61
R0262		Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.49 Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.49	62
R0263		Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.45 Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.45	63
R0264		Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.46 Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.46	64
R0267		Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.44 Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.44	65
R0265		Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.44 Flanged ball bearing guide bush (ISO9448-5/DIN9831) - R2091.44	66
R0266		Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.45 Flanged ball bearing guide bush (ISO9448-5/DIN9831) - 2091.45	67
R0271		Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.46 Flanged ball bearing guide bush (ISO9448-5/DIN9831) - R2091.46	68
R0273		Gabbia a sfera - GS Ball cage - GS	69

# INDICE INDEX

ACCESSORI ACCESSORIES			
R0236		Rondella per colonna estraibile - RTE Washer for demountable pillar - RTE	70
R0237		Staffetta di ritegno - STAFF Retaining clamp - STAFF	70
R0715		Staffetta di ritegno ISO Retaining clamp ISO	71
R0613		Staffetta di ritegno pesante ISO - STAFFISO8P Reinforced retaining clamp ISO - STAFFISO8P	71
R0238		Staffetta di ritegno ISO - STAFFISO8 Retaining clamp ISO - STAFFISO	72
R0239		Vite per staffette - STAFFVITE Screw for clamps - STAFFVITE	72



## R0223 Colonna guida con testa - C3 Headed guide pillar - C3



### Descrizione:

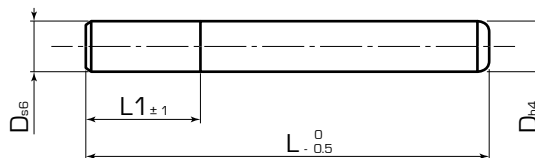
Esempio di ordinativo: R0223-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0223-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L1	L																			
				85	95	105	115	125	135	145	155	170	185	200	225	250	275	300	325	350	400		
R0223-04	15	26	30	0001	0002	0003	0004	0005	0006	0007	0008												
R0223-04	16	26	30	0009	0010	0011	0012	0013	0014	0015	0016												
R0223-04	17	28	30	0017	0018	0019	0020																
R0223-04	17	28	35					0021	0022	0023	0024	0025	0026	0027									
R0223-04	18	28	30	0028	0029	0030	0031																
R0223-04	18	28	35					0032	0033	0034	0035	0036	0037	0038									
R0223-04	19	30	30	0039	0040	0041																	
R0223-04	19	30	35				0042	0043	0044	0045	0046	0047	0048	0049									
R0223-04	20	30	30	0050	0051	0052																	
R0223-04	20	30	35				0053	0054	0055	0056	0057	0058	0059	0060									
R0223-04	24	36	35				0061	0062	0063														
R0223-04	24	36	40							0064	0065	0066	0067	0068	0069	0070							
R0223-04	25	36	35				0071	0072	0073														
R0223-04	25	36	40							0074	0075	0076	0077	0078	0079	0080							
R0223-04	30	45	40				0081	0082	0083	0084	0085												
R0223-04	30	45	45									0086	0087	0088	0089	0090	0091	0092					
R0223-04	31	45	40				0093	0094	0095	0096	0097												
R0223-04	31	45	45									0098	0099	0100	0101	0102	0103	0104					
R0223-04	40	55	60							0105	0106												
R0223-04	40	55	70									0107	0108	0109	0110	0111	0112	0113	0114	0115	0116		
R0223-04	41	55	60							0117	0118												
R0223-04	41	55	70									0119	0120	0121	0122	0123	0124	0125	0126	0127	0128		
R0223-04	50	70	70									0129	0130	0131	0132	0133	0134	0135	0136	0137	0138		
R0223-04	51	70	70									0139	0140	0141	0142	0143	0144	0145	0146	0147	0148		

## R0224 Colonna guida senza testa - C4 Guide pillar without head - C4



### Descrizione:

Esempio di ordinativo: R0224-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

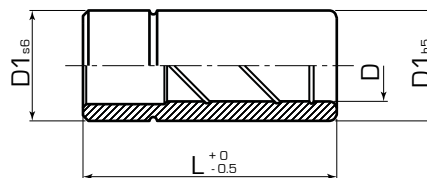
Example of purchasing order: R0224-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	L																	
			85	95	105	115	125	135	145	155	170	185	200	225	250	275	300	325	350	400
R0224-04	15	16	0001	0002	0003	0004	0005	0006	0007	0008										
R0224-04	16	16	0009	0010	0011	0012	0013	0014	0015	0016										
R0224-04	17	18	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027							
R0224-04	18	18	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038							
R0224-04	19	20	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049							
R0224-04	20	20	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060							
R0224-04	24	25				0061	0062	0063	0064	0065	0066	0067	0068	0069	0070					
R0224-04	25	25				0071	0072	0073	0074	0075	0076	0077	0078	0079	0080					
R0224-04	30	30				0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092			
R0224-04	31	30				0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104			
R0224-04	40	40							0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116
R0224-04	41	40							0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128
R0224-04	50	50									0129	0130	0131	0132	0133	0134	0135	0136	0137	0138
R0224-04	51	50									0139	0140	0141	0142	0143	0144	0145	0146	0147	0148
R0224-04	63	63												0149	0150	0151	0152		0153	0154



## R0225

Bussola guida senza collare - B4  
Guide bush without collar - B4



### Descrizione:

Esempio di ordinativo: R0225-04-0001  
Materiale: 1.7131 ≈60 HRC

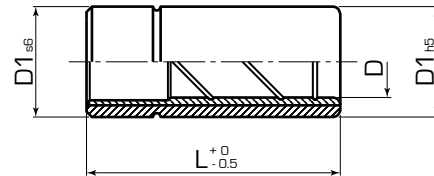
### Description:

Example of purchasing order: R0225-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L								
			35	45	50	55	60	70	80	100	
R0225-04	15	26	0001		0002						
R0225-04	16	26	0003		0004						
R0225-04	17	28		0005		0006					
R0225-04	18	28		0007		0008					
R0225-04	19	30		0009			0010				
R0225-04	20	30		0011			0012				
R0225-04	24	36			0013			0014			
R0225-04	25	36			0015			0016			
R0225-04	30	45				0017			0018		
R0225-04	31	45				0019			0020		
R0225-04	40	55					0021				0022
R0225-04	41	55					0023				0024
R0225-04	50	70					0025				0026
R0225-04	51	70					0027				0028
R0225-04	63	85									0029

## R0226

Bussola guida senza collare con camicia in bronzo - B4B  
Guide bush without collar with bronze coated internal bore - B4B



### Descrizione:

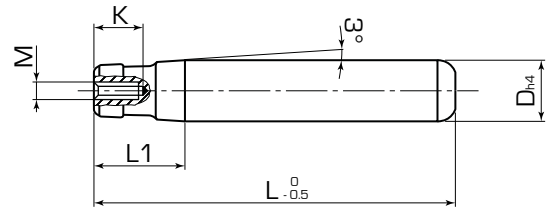
Esempio di ordinativo: R0226-04-0001  
Materiale: 1.7131 ≈60 HRC + Bronzo

### Description:

Example of purchasing order: R0226-04-0001  
Material: 1.7131 ≈60 HRC + Bronze

Codice Code	D	D1	L							
			35	45	50	55	60	70	80	100
R0226-04	15	26	0001		0002					
R0226-04	16	26	0003		0004					
R0226-04	17	28		0005		0006				
R0226-04	18	28		0007		0008				
R0226-04	19	30		0009			0010			
R0226-04	20	30		0011			0012			
R0226-04	24	36			0013			0014		
R0226-04	25	36			0015			0016		
R0226-04	30	45				0017			0018	
R0226-04	31	45				0019			0020	
R0226-04	40	55					0021			0022
R0226-04	41	55					0023			0024
R0226-04	50	70					0025			0026
R0226-04	51	70					0027			0028
R0226-04	63	85								0029

## R0227 Colonna conica senza testa - C5 Conical guide pillar without head - C5



### Descrizione:

Esempio di ordinativo: R0224-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0224-04-0001  
Material: 1.7131 ≈60 HRC

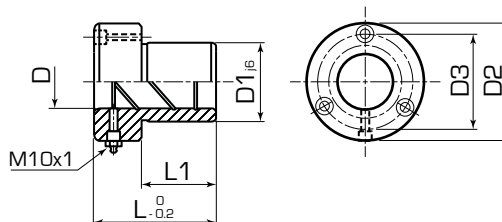
Codice Code	D	L1	K	M	L									
					115	135	155	170	185	200	225	250	300	400
R0227-04	24	48	20	8	0001	0002	0003	0004	0005	0006				
R0227-04	25	48	20	8	0007	0008	0009	0010	0011	0012				
R0227-04	30	57	20	8		0013	0014	0015	0016	0017	0018	0019	0020	
R0227-04	31	57	20	8		0021	0022	0023	0024	0025	0026	0027	0028	
R0227-04	40	63	25	10				0029	0030	0031	0032	0033	0034	0035
R0227-04	41	63	25	10				0036	0037	0038	0039	0040	0041	0042
R0227-04	50	80	25	10					0043	0044	0045	0046	0047	0048
R0227-04	51	80	25	10					0049	0050	0051	0052	0053	0054
R0227-04	63	86	25	10						0055	0056	0057	0058	0059

## R0228

Bussola guida a collare con fori di fissaggio cilindrica e conica - B5  
Flanged guide bush, conical and cylindrical types - B5



TIPO CILINDRICA  
CYLINDRICAL TYPE



**Descrizione:**

Materiale: 1.7131 ≈60 HRC

**Description:**

Material: 1.7131 ≈60 HRC

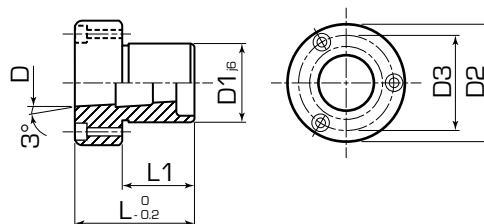
**Tipo Cilindrica**

**Cylindrical type**

Codice Code	D	D1	D2	D3	L	L1	Viti Screws
R0228-04-0001	24	40	63	50	63	43	M5
R0228-04-0003	25	40	63	50	63	43	M5
R0228-04-0005	30	48	72	58	72	47	M5
R0228-04-0007	31	48	72	58	72	47	M5
R0228-04-0009	40	58	83	70	80	52	M6
R0228-04-0011	41	58	83	70	80	52	M6
R0228-04-0013	50	70	103	86	100	58	M8
R0228-04-0015	51	70	103	86	100	58	M8
R0228-04-0017	63	85	120	100	99	57	M8



TIPO CONICA  
CONICAL TYPE



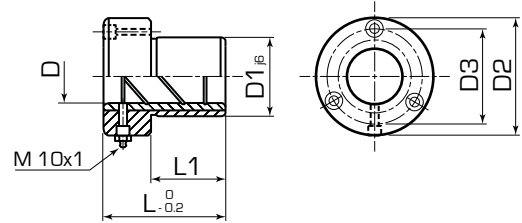
**Tipo Conica**

**Conical type**

Codice Code	D	D1	D2	D3	L	L1	Viti Screws
R0228-04-0002	24	40	63	50	63	43	M5
R0228-04-0004	25	40	63	50	63	43	M5
R0228-04-0006	30	48	72	58	72	47	M5
R0228-04-0008	31	48	72	58	72	47	M5
R0228-04-0010	40	58	83	70	80	52	M6
R0228-04-0012	41	58	83	70	80	52	M6
R0228-04-0014	50	70	103	86	100	58	M8
R0228-04-0016	51	70	103	86	100	58	M8
R0228-04-0018	63	85	120	100	99	57	M8

**R0229**

Bussola guida a collare con fori di fissaggio cilindrica con camicia in bronzo - B5B  
Flanged guide bush with bronze coated internal bore - B5B



**Descrizione:**

Materiale: 1.7131 ≈60 HRC + Bronzo

**Description:**

Material: 1.7131 ≈60 HRC + Bronze

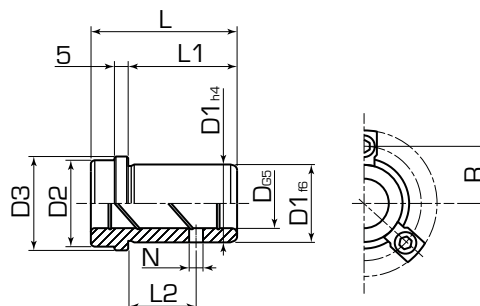
Codice Code	D	D1	D2	D3	L	L1	Viti Screws
R0229-04-0001	24	40	63	50	63	43	M5
R0229-04-0002	25	40	63	50	63	43	M5
R0229-04-0003	30	48	72	58	72	47	M5
R0229-04-0004	31	48	72	58	72	47	M5
R0229-04-0005	40	58	83	70	80	52	M6
R0229-04-0006	41	58	83	70	80	52	M6
R0229-04-0007	50	70	103	86	100	58	M8
R0229-04-0008	51	70	103	86	100	58	M8
R0229-04-0009	63	85	120	100	99	57	M8



## R0231 Bussola guida estraibile - B7 Demountable guide bush - B7



TIPO C - ML  
TYPE C - ML



**Descrizione:**

Materiale: 1.7131 ≈60 HRC  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: 1.7131 ≈60 HRC  
Note: Clamps and screws have to be ordered separately

**Tipo C**

**Type C**

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0231-04-0001	18	31	28	29	34	18	21	5	8
R0231-04-0006	19	31	28	29	34	18	21	5	8
R0231-04-0011	24	36	38	39	44	23	26	5	9
R0231-04-0016	25	36	38	39	44	23	26	5	9
R0231-04-0021	30	43	45	48	53	30	31.5	5	11
R0231-04-0026	32	43	45	48	53	30	31.5	5	11
R0231-04-0031	40	51	54	58	63	38	36.5	8	11
R0231-04-0036	42	51	54	58	63	38	36.5	8	11
R0231-04-0041	50	61	65	74	79	48	44.5	8	14
R0231-04-0046	52	61	65	74	79	48	44.5	8	14
R0231-04-0051	63	74	81	87	92	61	51	8	19

**Tipo ML**

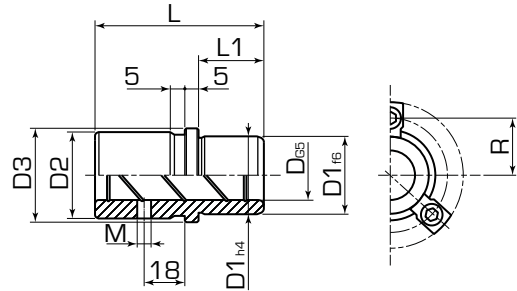
**Type ML**

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0231-04-0003	18	50	28	29	34	37	21	5	8
R0231-04-0008	19	50	28	29	34	37	21	5	8
R0231-04-0013	24	55	38	39	44	42	26	5	9
R0231-04-0018	25	55	38	39	44	42	26	5	9
R0231-04-0023	30	60	45	48	53	47	31.5	5	11
R0231-04-0028	32	60	45	48	53	47	31.5	5	11
R0231-04-0033	40	67	54	58	63	54	36.5	8	11
R0231-04-0038	42	67	54	58	63	54	36.5	8	11
R0231-04-0043	50	75	65	74	79	62	44.5	8	14
R0231-04-0048	52	75	65	74	79	62	44.5	8	14
R0231-04-0053	63	90	81	87	92	77	51	8	19

## R0231 Bussola guida estraibile - B7 Demountable guide bush - B7



TIPO M - L - LL  
TYPE M - L - LL



**Descrizione:** **Description:**

Materiale: 1.7131 ≈60 HRC  
Nota: Staffette e viti da ordinare separatamente

Material: 1.7131 ≈60 HRC  
Note: Clamps and screws have to be ordered separately

**Tipo M** **Type M**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0231-04-0002	18	50	28	31	34	18	21	6 x 1
R0231-04-0007	19	50	28	31	34	18	21	6 x 1
R0231-04-0012	24	55	38	41	44	23	26	10 x 1
R0231-04-0017	25	55	38	41	44	23	26	10 x 1
R0231-04-0022	30	60	45	50	53	26	31.5	10 x 1
R0231-04-0027	32	60	45	50	53	26	31.5	10 x 1
R0231-04-0032	40	67	54	60	63	30	36.5	10 x 1
R0231-04-0037	42	67	54	60	63	30	36.5	10 x 1
R0231-04-0042	50	75	65	76	79	35	44.5	10 x 1
R0231-04-0047	52	75	65	76	79	35	44.5	10 x 1
R0231-04-0052	63	90	81	89	92	48	51	10 x 1

**Tipo L** **Type L**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0231-04-0004	18	70	28	31	34	18	21	6 x 1
R0231-04-0009	19	70	28	31	34	18	21	6 x 1
R0231-04-0014	24	80	38	41	44	23	26	10 x 1
R0231-04-0019	25	80	38	41	44	23	26	10 x 1
R0231-04-0024	30	90	45	50	53	26	31.5	10 x 1
R0231-04-0029	32	90	45	50	53	26	31.5	10 x 1
R0231-04-0034	40	100	54	60	63	30	36.5	10 x 1
R0231-04-0039	42	100	54	60	63	30	36.5	10 x 1
R0231-04-0044	50	110	65	76	79	35	44.5	10 x 1
R0231-04-0049	52	110	65	76	79	35	44.5	10 x 1
R0231-04-0054	63	130	81	89	92	48	51	10 x 1

**Tipo LL** **Type LL**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0231-04-0005	18	70	28	31	34	27	21	6 x 1
R0231-04-0010	19	70	28	31	34	27	21	6 x 1
R0231-04-0015	24	80	38	41	44	32	26	10 x 1
R0231-04-0020	25	80	38	41	44	32	26	10 x 1
R0231-04-0025	30	90	45	50	53	37	31.5	10 x 1
R0231-04-0030	32	90	45	50	53	37	31.5	10 x 1
R0231-04-0035	40	100	54	60	63	47	36.5	10 x 1
R0231-04-0040	42	100	54	60	63	47	36.5	10 x 1
R0231-04-0045	50	110	65	76	79	57	44.5	10 x 1
R0231-04-0050	52	110	65	76	79	57	44.5	10 x 1
R0231-04-0055	63	130	81	89	92	67	51	10 x 1

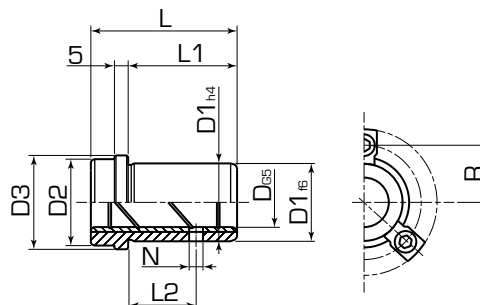


## R0232

Bussola guida estraibile con camicia in bronzo - B7B  
Demountable guide bush with bronze coated internal bore - B7B



TIPO C - ML  
TYPE C - ML



### Descrizione:

Materiale: 1.7131 ≈60 HRC + Bronzo  
Nota: Staffette e viti da ordinare separatamente

### Description:

Material: 1.7131 ≈60 HRC + Bronze  
Note: Clamps and screws have to be ordered separately

### Tipo C

### Type C

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0232-04-0001	18	31	28	29	34	18	21	5	8
R0232-04-0006	19	31	28	29	34	18	21	5	8
R0232-04-0011	24	36	38	39	44	23	26	5	9
R0232-04-0016	25	36	38	39	44	23	26	5	9
R0232-04-0021	30	43	45	48	53	30	31.5	5	11
R0232-04-0026	32	43	45	48	53	30	31.5	5	11
R0232-04-0031	40	51	54	58	63	38	36.5	8	11
R0232-04-0036	42	51	54	58	63	38	36.5	8	11
R0232-04-0041	50	61	65	74	79	48	44.5	8	14
R0232-04-0046	52	61	65	74	79	48	44.5	8	14
R0232-04-0051	63	74	81	87	92	61	51	8	19
R0232-04-0056	80	91	100	106	111	78	60.5	8	19

### Tipo ML

### Type ML

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0232-04-0003	18	50	28	29	34	37	21	5	8
R0232-04-0008	19	50	28	29	34	37	21	5	8
R0232-04-0013	24	55	38	39	44	42	26	5	9
R0232-04-0018	25	55	38	39	44	42	26	5	9
R0232-04-0023	30	60	45	48	53	47	31.5	5	11
R0232-04-0028	32	60	45	48	53	47	31.5	5	11
R0232-04-0033	40	67	54	58	63	54	36.5	8	11
R0232-04-0038	42	67	54	58	63	54	36.5	8	11
R0232-04-0043	50	75	65	74	79	62	44.5	8	14
R0232-04-0048	52	75	65	74	79	62	44.5	8	14
R0232-04-0053	63	90	81	87	92	77	51	8	19

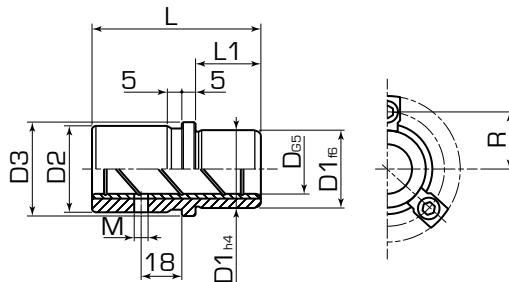
## R0232

Bussola guida estraibile con camicia in bronzo - B7B

Demountable guide bush with bronze coated internal bore - B7B



TIPO M - L - LL  
TYPE M - L - LL



### Descrizione:

Materiale: 1.7131 ≈60 HRC + Bronzo

Nota: Staffette e viti da ordinare separatamente

### Description:

Material: 1.7131 ≈60 HRC + Bronze

Note: Clamps and screws have to be ordered separately

### Tipo M

### Type M

Codice Code	D	L	D1	D2	D3	L1	R	M
R0232-04-0002	18	50	28	31	34	18	21	6 x 1
R0232-04-0007	19	50	28	31	34	18	21	6 x 1
R0232-04-0012	24	55	38	41	44	23	26	10 x 1
R0232-04-0017	25	55	38	41	44	23	26	10 x 1
R0232-04-0022	30	60	45	50	53	26	31.5	10 x 1
R0232-04-0027	32	60	45	50	53	26	31.5	10 x 1
R0232-04-0032	40	67	54	60	63	30	36.5	10 x 1
R0232-04-0037	42	67	54	60	63	30	36.5	10 x 1
R0232-04-0042	50	75	65	76	79	35	44.5	10 x 1
R0232-04-0047	52	75	65	76	79	35	44.5	10 x 1
R0232-04-0052	63	90	81	89	92	48	51	10 x 1
R0232-04-0057	80	100	100	108	111	48	60.5	10 x 1

### Tipo L

### Type L

Codice Code	D	L	D1	D2	D3	L1	R	M
R0232-04-0004	18	70	28	31	34	18	21	6 x 1
R0232-04-0009	19	70	28	31	34	18	21	6 x 1
R0232-04-0014	24	80	38	41	44	23	26	10 x 1
R0232-04-0019	25	80	38	41	44	23	26	10 x 1
R0232-04-0024	30	90	45	50	53	26	31.5	10 x 1
R0232-04-0029	32	90	45	50	53	26	31.5	10 x 1
R0232-04-0034	40	100	54	60	63	30	36.5	10 x 1
R0232-04-0039	42	100	54	60	63	30	36.5	10 x 1
R0232-04-0044	50	110	65	76	79	35	44.5	10 x 1
R0232-04-0049	52	110	65	76	79	35	44.5	10 x 1
R0232-04-0054	63	130	81	89	92	48	51	10 x 1
R0232-04-0058	80	150	100	108	111	48	60.5	10 x 1

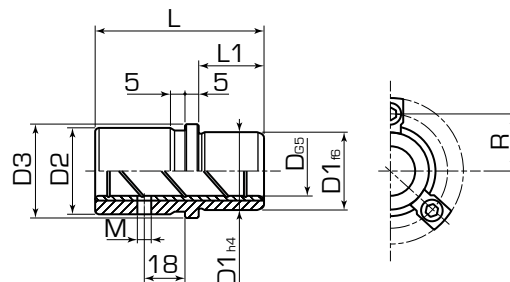
## R0232

Bussola guida estraibile con camicia in bronzo - B7B

Demountable guide bush with bronze coated internal bore - B7B



TIPO M - L - LL  
TYPE M - L - LL



### Descrizione:

Materiale: 1.7131 ≈60 HRC + Bronzo

Nota: Staffette e viti da ordinare separatamente

### Description:

Material: 1.7131 ≈60 HRC + Bronze

Note: Clamps and screws have to be ordered separately

### Tipo LL

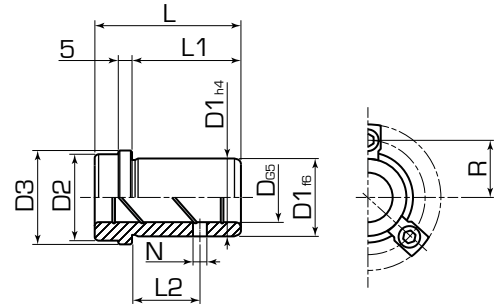
### Type LL

Codice Code	D	L	D1	D2	D3	L1	R	M
R0232-04-0005	18	70	28	31	34	27	21	6 x 1
R0232-04-0010	19	70	28	31	34	27	21	6 x 1
R0232-04-0015	24	80	38	41	44	32	26	10 x 1
R0232-04-0020	25	80	38	41	44	32	26	10 x 1
R0232-04-0025	30	90	45	50	53	37	31.5	10 x 1
R0232-04-0030	32	90	45	50	53	37	31.5	10 x 1
R0232-04-0035	40	100	54	60	63	47	36.5	10 x 1
R0232-04-0040	42	100	54	60	63	47	36.5	10 x 1
R0232-04-0045	50	110	65	76	79	57	44.5	10 x 1
R0232-04-0050	52	110	65	76	79	57	44.5	10 x 1
R0232-04-0055	63	130	81	89	92	67	51	10 x 1
R0232-04-0059	80	150	100	108	111	77	60.5	10 x 1

## R0233 Bussola guida estraibile in bronzo integrale - B7BB Bronze demountable guide bush - B7BB



TIPO C - ML  
TYPE C - ML



**Descrizione:**

Materiale: Bronzo  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: Bronze  
Note: Clamps and screws have to be ordered separately

**Tipo C**

**Type C**

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0233-04-0001	18	31	28	29	34	18	21	5	8
R0233-04-0006	19	31	28	29	34	18	21	5	8
R0233-04-0011	24	36	38	39	44	23	26	5	9
R0233-04-0016	25	36	38	39	44	23	26	5	9
R0233-04-0021	30	43	45	48	53	30	31.5	5	11
R0233-04-0026	32	43	45	48	53	30	31.5	5	11
R0233-04-0031	40	51	54	58	63	38	36.5	8	11
R0233-04-0036	42	51	54	58	63	38	36.5	8	11
R0233-04-0041	50	61	65	74	79	48	44.5	8	14
R0233-04-0046	52	61	65	74	79	48	44.5	8	14
R0233-04-0051	63	74	81	87	92	61	51	8	19
R0233-04-0056	80	91	100	106	111	78	60.5	8	19

**Tipo ML**

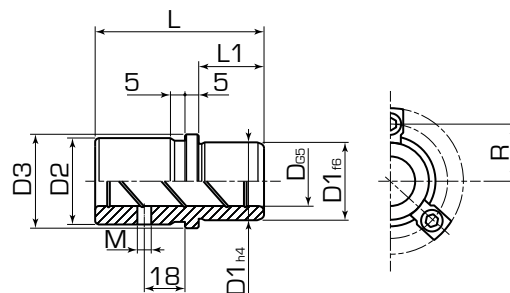
**Type ML**

Codice Code	D	L	D1	D2	D3	L1	R	N	L2
R0233-04-0003	18	50	28	29	34	37	21	5	8
R0233-04-0008	19	50	28	29	34	37	21	5	8
R0233-04-0013	24	55	38	39	44	42	26	5	9
R0233-04-0018	25	55	38	39	44	42	26	5	9
R0233-04-0023	30	60	45	48	53	47	31.5	5	11
R0233-04-0028	32	60	45	48	53	47	31.5	5	11
R0233-04-0033	40	67	54	58	63	54	36.5	8	11
R0233-04-0038	42	67	54	58	63	54	36.5	8	11
R0233-04-0043	50	75	65	74	79	62	44.5	8	14
R0233-04-0048	52	75	65	74	79	62	44.5	8	14
R0233-04-0053	63	90	81	87	92	77	51	8	19

## R0233 Bussola guida estraibile in bronzo integrale - B7BB Bronze demountable guide bush - B7BB



TIPO M - L - LL  
TYPE M - L - LL



**Descrizione:**

Materiale: Bronzo  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: Bronze  
Note: Clamps and screws have to be ordered separately

**Tipo M**

**Type M**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0233-04-0002	18	50	28	31	34	18	21	6 x 1
R0233-04-0007	19	50	28	31	34	18	21	6 x 1
R0233-04-0012	24	55	38	41	44	23	26	10 x 1
R0233-04-0017	25	55	38	41	44	23	26	10 x 1
R0233-04-0022	30	60	45	50	53	26	31.5	10 x 1
R0233-04-0027	32	60	45	50	53	26	31.5	10 x 1
R0233-04-0032	40	67	54	60	63	30	36.5	10 x 1
R0233-04-0037	42	67	54	60	63	30	36.5	10 x 1
R0233-04-0042	50	75	65	76	79	35	44.5	10 x 1
R0233-04-0047	52	75	65	76	79	35	44.5	10 x 1
R0233-04-0052	63	90	81	89	92	48	51	10 x 1
R0233-04-0057	80	100	100	108	111	48	60.5	10 x 1

**Tipo L**

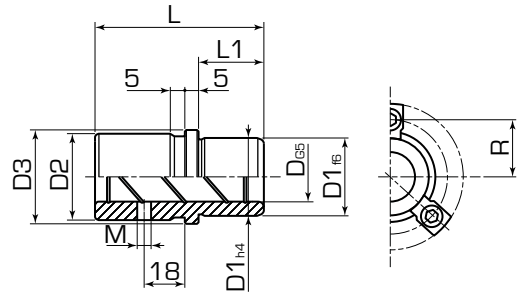
**Type L**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0233-04-0004	18	70	28	31	34	18	21	6 x 1
R0233-04-0009	19	70	28	31	34	18	21	6 x 1
R0233-04-0014	24	80	38	41	44	23	26	10 x 1
R0233-04-0019	25	80	38	41	44	23	26	10 x 1
R0233-04-0024	30	90	45	50	53	26	31.5	10 x 1
R0233-04-0029	32	90	45	50	53	26	31.5	10 x 1
R0233-04-0034	40	100	54	60	63	30	36.5	10 x 1
R0233-04-0039	42	100	54	60	63	30	36.5	10 x 1
R0233-04-0044	50	110	65	76	79	35	44.5	10 x 1
R0233-04-0049	52	110	65	76	79	35	44.5	10 x 1
R0233-04-0054	63	130	81	89	92	48	51	10 x 1
R0233-04-0058	80	150	100	108	111	48	60.5	10 x 1

**R0233** Bussola guida estraibile in bronzo integrale - B7BB  
Bronze demountable guide bush - B7BB



TIPO M - L - LL  
TYPE M - L - LL



**Descrizione:** **Description:**

Materiale: Bronzo  
Nota: Staffette e viti da ordinare separatamente

Material: Bronze  
Note: Clamps and screws have to be ordered separately

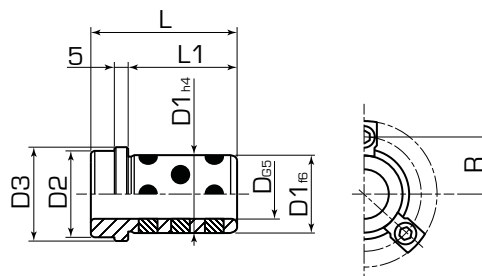
**Tipo LL** **Type LL**

Codice Code	D	L	D1	D2	D3	L1	R	M
R0233-04-0005	18	70	28	31	34	27	21	6 x 1
R0233-04-0010	19	70	28	31	34	27	21	6 x 1
R0233-04-0015	24	80	38	41	44	32	26	10 x 1
R0233-04-0020	25	80	38	41	44	32	26	10 x 1
R0233-04-0025	30	90	45	50	53	37	31.5	10 x 1
R0233-04-0030	32	90	45	50	53	37	31.5	10 x 1
R0233-04-0035	40	100	54	60	63	47	36.5	10 x 1
R0233-04-0040	42	100	54	60	63	47	36.5	10 x 1
R0233-04-0045	50	110	65	76	79	57	44.5	10 x 1
R0233-04-0050	52	110	65	76	79	57	44.5	10 x 1
R0233-04-0055	63	130	81	89	92	67	51	10 x 1
R0233-04-0059	80	150	100	108	111	77	60.5	10 x 1

## R0609 Bussola guida estraibile in bronzo/grafite - B7BG Demountable guide bush, bronze/graphite - B7BG



TIPO C - ML  
TYPE C - ML



**Descrizione:**

Materiale: Bronzo, Grafite  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: Bronze, Graphite  
Note: Clamps and screws have to be ordered separately

**Tipo C**

**Type C**

Codice Code	D	L	D1	D2	D3	L1	R
R0609-04-0001	18	31	28	29	34	18	21
R0609-04-0006	19	31	28	29	34	18	21
R0609-04-0011	24	36	38	39	44	23	26
R0609-04-0016	25	36	38	39	44	23	26
R0609-04-0021	30	43	45	48	53	30	31.5
R0609-04-0026	32	43	45	48	53	30	31.5
R0609-04-0031	40	51	54	58	63	38	36.5
R0609-04-0036	42	51	54	58	63	38	36.5
R0609-04-0041	50	61	65	74	79	48	44.5
R0609-04-0046	52	61	65	74	79	48	44.5
R0609-04-0051	63	74	81	87	92	61	51
R0609-04-0056	80	91	100	106	111	78	60.5

**Tipo ML**

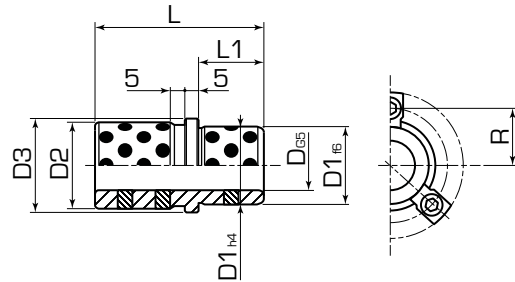
**Type ML**

Codice Code	D	L	D1	D2	D3	L1	R
R0609-04-0003	18	50	28	29	34	37	21
R0609-04-0008	19	50	28	29	34	37	21
R0609-04-0013	24	55	38	39	44	42	26
R0609-04-0018	25	55	38	39	44	42	26
R0609-04-0023	30	60	45	48	53	47	31.5
R0609-04-0028	32	60	45	48	53	47	31.5
R0609-04-0033	40	67	54	58	63	54	36.5
R0609-04-0038	42	67	54	58	63	54	36.5
R0609-04-0043	50	75	65	74	79	62	44.5
R0609-04-0048	52	75	65	74	79	62	44.5
R0609-04-0053	63	90	81	87	92	77	51

## R0609 Bussola guida estraibile in bronzo/grafite - B7BG Demountable guide bush, bronze/graphite - B7BG



TIPO M - L - LL  
TYPE M - L - LL



### Descrizione:

Materiale: Bronzo, Grafite  
Nota: Staffette e viti da ordinare separatamente

### Description:

Material: Bronze, Graphite  
Note: Clamps and screws have to be ordered separately

### Tipo M

### Type M

Codice Code	D	L	D1	D2	D3	L1	R
R0609-04-0002	18	50	28	31	34	18	21
R0609-04-0007	19	50	28	31	34	18	21
R0609-04-0012	24	55	38	41	44	23	26
R0609-04-0017	25	55	38	41	44	23	26
R0609-04-0022	30	60	45	50	53	26	31.5
R0609-04-0027	32	60	45	50	53	26	31.5
R0609-04-0032	40	67	54	60	63	30	36.5
R0609-04-0037	42	67	54	60	63	30	36.5
R0609-04-0042	50	75	65	76	79	35	44.5
R0609-04-0047	52	75	65	76	79	35	44.5
R0609-04-0052	63	90	81	89	92	48	51
R0609-04-0057	80	100	100	108	111	48	60.5

### Tipo L

### Type L

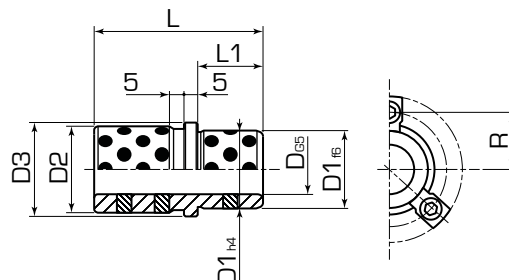
Codice Code	D	L	D1	D2	D3	L1	R
R0609-04-0004	18	70	28	31	34	18	21
R0609-04-0009	19	70	28	31	34	18	21
R0609-04-0014	24	80	38	41	44	23	26
R0609-04-0019	25	80	38	41	44	23	26
R0609-04-0024	30	90	45	50	53	26	31.5
R0609-04-0029	32	90	45	50	53	26	31.5
R0609-04-0034	40	100	54	60	63	30	36.5
R0609-04-0039	42	100	54	60	63	30	36.5
R0609-04-0044	50	110	65	76	79	35	44.5
R0609-04-0049	52	110	65	76	79	35	44.5
R0609-04-0054	63	130	81	89	92	48	51
R0609-04-0058	80	150	100	108	111	48	60.5



## R0609 Bussola guida estraibile in bronzo/grafite - B7BG Demountable guide bush, bronze/graphite - B7BG



TIPO M - L - LL  
TYPE M - L - LL



### Descrizione:

Materiale: Bronzo, Grafite  
Nota: Staffette e viti da ordinare separatamente

### Description:

Material: Bronze, Graphite  
Note: Clamps and screws have to be ordered separately

### Tipo LL

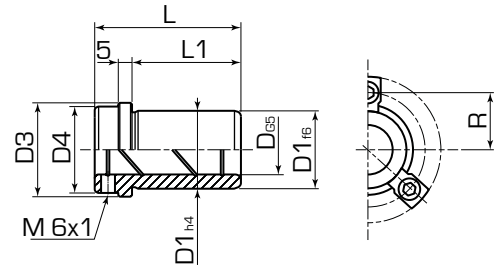
### Type LL

Codice Code	D	L	D1	D2	D3	L1	R
R0609-04-0005	18	70	28	31	34	27	21
R0609-04-0010	19	70	28	31	34	27	21
R0609-04-0015	24	80	38	41	44	32	26
R0609-04-0020	25	80	38	41	44	32	26
R0609-04-0025	30	90	45	50	53	37	31.5
R0609-04-0030	32	90	45	50	53	37	31.5
R0609-04-0035	40	100	54	60	63	47	36.5
R0609-04-0040	42	100	54	60	63	47	36.5
R0609-04-0045	50	110	65	76	79	57	44.5
R0609-04-0050	52	110	65	76	79	57	44.5
R0609-04-0055	63	130	81	89	92	67	51
R0609-04-0059	80	150	100	108	111	77	60.5

## R0234 Bussola guida estraibile diametro esterno maggiorato - B7SS Demountable guide bush - B7SS



TIPO C  
TYPE C



**Descrizione:**

Materiale: 1.7131 ≈60 HRC  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: 1.7131 ≈60 HRC  
Note: Clamps and screws have to be ordered separately

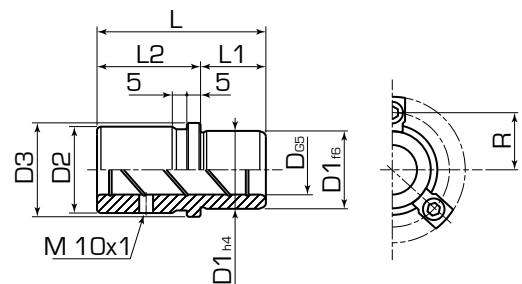
**Tipo C**

**Type C**

Codice Code	D	L	L1	D1	D3	D4	R
R0234-04-0001	25	40	25	40	45	37	25.5
R0234-04-0003	30	50	30	45	55	47	32.5
R0234-04-0005	40	55	35	55	65	57	37.5
R0234-04-0007	50	65	45	70	79	72	44.5
R0234-04-0009	63	68	48	81	92	84	51



TIPO L  
TYPE L



**Tipo L**

**Type L**

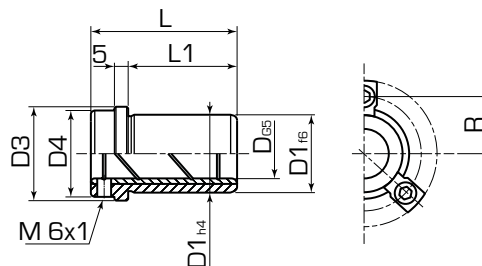
Codice Code	D	L	L1	L2	D1	D2	D3	R
R0234-04-0002	25	70	25	45	40	42	45	25.5
R0234-04-0004	30	80	30	50	45	52	55	32.5
R0234-04-0006	40	90	35	55	55	62	65	37.5
R0234-04-0008	50	100	45	55	70	77	79	44.5
R0234-04-0010	63	110	48	62	81	90	92	51

## R0235

Bussola guida estraibile diametro esterno maggiorato con camicia in bronzo - B7BSS  
Demountable guide bush with bronze coated internal bore - B7BSS



TIPO C  
TYPE C



**Descrizione:**

Materiale: 1.7131 ≈60 HRC + Bronzo  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: 1.7131 ≈60 HRC + Bronze  
Note: Clamps and screws have to be ordered separately

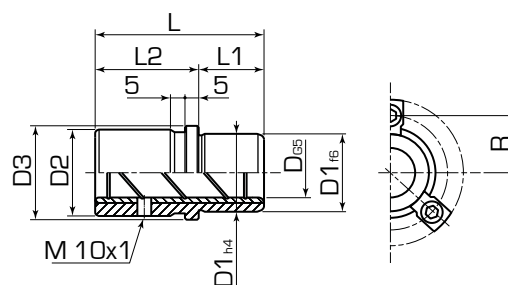
**Tipo C**

**Type C**

Codice Code	D	L	L1	D1	D3	D4	R
R0235-04-0001	25	40	25	40	45	37	25.5
R0235-04-0003	30	50	30	45	55	47	32.5
R0235-04-0005	40	55	35	55	65	57	37.5
R0235-04-0007	50	65	45	70	79	72	44.5
R0235-04-0009	63	68	48	81	92	84	51



TIPO L  
TYPE L



**Tipo L**

**Type L**

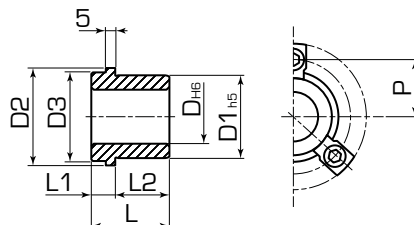
Codice Code	D	L	L1	L2	D1	D2	D3	R
R0235-04-0002	25	70	25	45	40	42	45	25.5
R0235-04-0004	30	80	30	50	45	52	55	32.5
R0235-04-0006	40	90	35	55	55	62	65	37.5
R0235-04-0008	50	100	45	55	70	77	79	44.5
R0235-04-0010	63	110	48	62	81	90	92	51

## R0272

Boccola guida estraibile autolubrificante (con scorrimento su sinterizzato) - RWZ 70  
Demountable long-term lubrication guide bush (with sintering slide) - RWZ70



TIPO RWZ 7031 - RWZ 7032  
TYPE RWZ 7031 - RWZ 7032



### Descrizione:

Materiale: Acciaio trattato 40-50 HRC  
Nota: Staffette e viti da ordinare separatamente

### Description:

Material: Treated steel 40-50 HRC  
Note: Clamps and screws have to be ordered separately

### Tipo RWZ 7031

### Type RWZ 7031

Codice Code	D	D1	D2	D3	L	L1	L2	P	H6
R0272-04-0001	18	28	34	29	31	13	18	20.5	28 <sup>+0.013</sup>
R0272-04-0006	19	28	34	29	31	13	18	20.5	28 <sup>+0.013</sup>
R0272-04-0011	24	38	44	39	36	13	23	25.5	38 <sup>+0.016</sup>
R0272-04-0016	25	38	44	39	36	13	23	25.5	38 <sup>+0.016</sup>
R0272-04-0021	30	45	53	48	43	13	30	31.5	45 <sup>+0.016</sup>
R0272-04-0026	32	45	53	48	43	13	30	31.5	45 <sup>+0.016</sup>
R0272-04-0031	40	54	63	58	51	13	38	36.5	54 <sup>+0.019</sup>
R0272-04-0036	42	54	63	58	51	13	38	36.5	54 <sup>+0.019</sup>
R0272-04-0041	50	65	79	74	61	13	48	44.5	65 <sup>+0.019</sup>
R0272-04-0046	52	65	79	74	61	13	48	44.5	65 <sup>+0.019</sup>
R0272-04-0051	63	81	92	87	74	13	61	51	81 <sup>+0.022</sup>
R0272-04-0056	80	100	111	106	91	13	78	60.5	100 <sup>+0.022</sup>

### Tipo RWZ 7032

### Type RWZ 7032

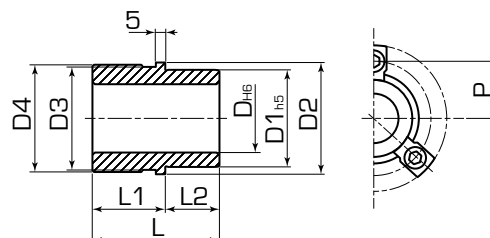
Codice Code	D	D1	D2	D3	L	L1	L2	P	H6
R0272-04-0002	18	28	34	29	50	13	37	20.5	28 <sup>+0.013</sup>
R0272-04-0007	19	28	34	29	50	13	37	20.5	28 <sup>+0.013</sup>
R0272-04-0012	24	38	44	39	55	13	42	25.5	38 <sup>+0.016</sup>
R0272-04-0017	25	38	44	39	55	13	42	25.5	38 <sup>+0.016</sup>
R0272-04-0022	30	45	53	48	60	13	47	31.5	45 <sup>+0.016</sup>
R0272-04-0027	32	45	53	48	60	13	47	31.5	45 <sup>+0.016</sup>
R0272-04-0032	40	54	63	58	67	13	54	36.5	54 <sup>+0.019</sup>
R0272-04-0037	42	54	63	58	67	13	54	36.5	54 <sup>+0.019</sup>
R0272-04-0042	50	65	79	74	75	13	62	44.5	65 <sup>+0.019</sup>
R0272-04-0047	52	65	79	74	75	13	62	44.5	65 <sup>+0.019</sup>
R0272-04-0052	63	81	92	87	90	13	77	51	81 <sup>+0.022</sup>

## R0272

Boccola guida estraibile autolubrificante (con scorrimento su sinterizzato) - RWZ 70  
Demountable long-term lubrication guide bush (with sintering slide) - RWZ70



TIPO RWZ 7041 - RWZ 7051 - WZ 7055  
TYPE RWZ 7041 - RWZ 7051 - WZ 7055



### Descrizione:

Materiale: Acciaio trattato 40-50 HRC  
Nota: Staffette e viti da ordinare separatamente

### Description:

Material: Treated steel 40-50 HRC  
Note: Clamps and screws have to be ordered separately

### Tipo RWZ 7041

### Type RWZ7041

Codice Code	D	D1	D2	D3	D4	L	L1	L2	P	H6
R0272-04-0003	18	28	34	29	31	50	32	18	20.5	28 <sup>+0.013</sup>
R0272-04-0008	19	28	34	29	31	50	32	18	20.5	28 <sup>+0.013</sup>
R0272-04-0013	24	38	44	39	41	55	32	23	25.5	38 <sup>+0.016</sup>
R0272-04-0018	25	38	44	39	41	55	32	23	25.5	38 <sup>+0.016</sup>
R0272-04-0023	30	45	53	48	50	60	34	26	31.5	45 <sup>+0.016</sup>
R0272-04-0028	32	45	53	48	50	60	34	26	31.5	45 <sup>+0.016</sup>
R0272-04-0033	40	54	63	58	60	67	37	30	36.5	54 <sup>+0.019</sup>
R0272-04-0038	42	54	63	58	60	67	37	30	36.5	54 <sup>+0.019</sup>
R0272-04-0043	50	65	79	74	76	75	40	35	44.5	65 <sup>+0.019</sup>
R0272-04-0048	52	65	79	74	76	75	40	35	44.5	65 <sup>+0.019</sup>
R0272-04-0053	63	81	92	87	89	90	42	48	51	81 <sup>+0.022</sup>
R0272-04-0057	80	100	111	106	108	100	52	48	60.5	100 <sup>+0.022</sup>

### Tipo RWZ 7051

### Type RWZ 7051

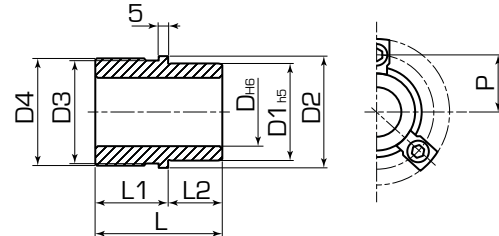
Codice Code	D	D1	D2	D3	D4	L	L1	L2	P	H6
R0272-04-0004	18	28	34	29	31	70	43	27	20.5	28 <sup>+0.013</sup>
R0272-04-0009	19	28	34	29	31	70	43	27	20.5	28 <sup>+0.013</sup>
R0272-04-0014	24	38	44	39	41	80	48	32	25.5	38 <sup>+0.016</sup>
R0272-04-0019	25	38	44	39	41	80	48	32	25.5	38 <sup>+0.016</sup>
R0272-04-0024	30	45	53	48	50	90	53	37	31.5	45 <sup>+0.016</sup>
R0272-04-0029	32	45	53	48	50	90	53	37	31.5	45 <sup>+0.016</sup>
R0272-04-0034	40	54	63	58	60	100	53	47	36.5	54 <sup>+0.019</sup>
R0272-04-0039	42	54	63	58	60	100	53	47	36.5	54 <sup>+0.019</sup>
R0272-04-0044	50	65	79	74	76	110	53	57	44.5	65 <sup>+0.019</sup>
R0272-04-0049	52	65	79	74	76	110	53	57	44.5	65 <sup>+0.019</sup>
R0272-04-0054	63	81	92	87	89	130	63	67	51	81 <sup>+0.022</sup>
R0272-04-0058	80	100	111	106	108	150	73	77	60.5	100 <sup>+0.022</sup>

**R0272**

Boccola guida estraibile autolubrificante (con scorrimento su sinterizzato) - RWZ 70  
Demountable long-term lubrication guide bush (with sintering slide) - RWZ70



TIPO RWZ 7041 - RWZ 7051 - WZ 7055  
TYPE RWZ 7041 - RWZ 7051 - WZ 7055



**Descrizione:**

Materiale: Acciaio trattato 40-50 HRC  
Nota: Staffette e viti da ordinare separatamente

**Description:**

Material: Treated steel 40-50 HRC  
Note: Clamps and screws have to be ordered separately

**Tipo RWZ 7055**

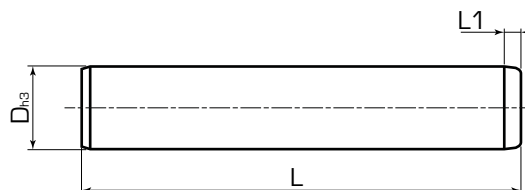
**Type RWZ 7055**

Codice Code	D	D1	D2	D3	D4	L	L1	L2	P	H6
R0272-04-0005	18	28	34	29	31	70	52	18	20.5	28 <sup>+0.013</sup>
R0272-04-0010	19	28	34	29	31	70	52	18	20.5	28 <sup>+0.013</sup>
R0272-04-0015	24	38	44	39	41	80	57	23	25.5	38 <sup>+0.016</sup>
R0272-04-0020	25	38	44	39	41	80	57	23	25.5	38 <sup>+0.016</sup>
R0272-04-0025	30	45	53	48	50	90	64	26	31.5	45 <sup>+0.016</sup>
R0272-04-0030	32	45	53	48	50	90	64	26	31.5	45 <sup>+0.016</sup>
R0272-04-0035	40	54	63	58	60	100	70	30	36.5	54 <sup>+0.019</sup>
R0272-04-0040	42	54	63	58	60	100	70	30	36.5	54 <sup>+0.019</sup>
R0272-04-0045	50	65	79	74	76	110	70	35	44.5	65 <sup>+0.019</sup>
R0272-04-0050	52	65	79	74	76	110	70	35	44.5	65 <sup>+0.019</sup>
R0272-04-0055	63	81	92	87	89	130	82	48	51	81 <sup>+0.022</sup>
R0272-04-0059	80	100	111	106	108	150	102	48	60.5	100 <sup>+0.022</sup>

## R0240

Colonna guida senza testa (ISO9182-2/DIN9825) - R202.19

Guide pillar (ISO 9182-2/DIN 9825) - R202.19



### Descrizione:

Esempio di ordinativo: R0240-04-0001

Materiale: 1.7131 ≈60 HRC

### Description:

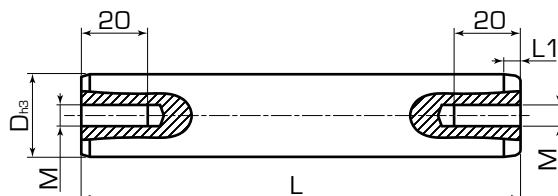
Example of purchasing order: R0240-04-0001

Material: 1.7131 ≈60 HRC

Codice Code	D	L1	L																	
			90	100	112	125	140	160	180	200	224	250	280	315	355	400	450	500	550	630
R0240-04	10	3	0001	0002	0003	0004	0005													
R0240-04	11	3	0006	0007	0008	0009	0010													
R0240-04	12	3	0011	0012	0013	0014	0015													
R0240-04	15	3	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025								
R0240-04	16	3	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035								
R0240-04	19	4		0036	0037	0038	0039	0040	0041	0042	0043	0142	0143							
R0240-04	20	4		0044	0045	0046	0047	0048	0049	0050	0051	0144	0145							
R0240-04	24	6		0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0146						
R0240-04	25	6		0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0147						
R0240-04	30	6				0072	0073	0074	0075	0076	0077	0078	0079	0080	0148	0149				
R0240-04	32	6				0081	0082	0083	0084	0085	0086	0087	0088	0089	0150	0151				
R0240-04	38	6						0090	0091	0092	0093	0094	0095	0096	0097	0098	0152	0153		
R0240-04	40	6						0099	0100	0101	0102	0103	0104	0105	0106	0107	0154	0155		
R0240-04	48	8							0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0156	0157
R0240-04	50	8							0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0158	0159
R0240-04	60	8										0128	0129	0130	0131	0132	0133	0134	0160	0161
R0240-04	63	8										0135	0136	0137	0138	0139	0140	0141	0162	0163
R0240-04	80	8											0164	0165	0166	0167	0168	0169	0170	0171

## R0610

Colonna guida senza testa con due filetti (ISO 9182-2/DIN 9825) - R202.22  
Guide pillar with internal thread on both sides (ISO9182-2/DIN9825) - R202.22



### Descrizione:

Esempio di ordinativo: R0610-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

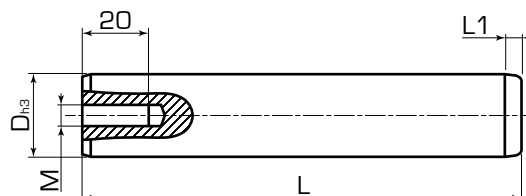
Example of purchasing order: R0610-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	M	L																							
				90	100	112	125	140	160	180	200	224	250	280	315	355	400	450	500	550	600	630	700	800			
R0610-04	10	3	6	0001	0002	0003	0004	0005																			
R0610-04	11	3	6	0006	0007	0008	0009	0010																			
R0610-04	12	3	6	0011	0012	0013	0014	0015																			
R0610-04	15	3	8	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025														
R0610-04	16	3	8	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035														
R0610-04	19	4	8		0036	0037	0038	0039	0040	0041	0042	0043	0044	0175													
R0610-04	20	4	8		0045	0046	0047	0048	0049	0050	0051	0052	0053	0176													
R0610-04	24	6	8		0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068								
R0610-04	25	6	8		0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083								
R0610-04	30	6	8				0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096								
R0610-04	32	6	8				0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109								
R0610-04	38	6	8						0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0121								
R0610-04	40	6	8						0123	0124	0125	0126	0127	0128	0129	0130	0131	0120	0122								
R0610-04	48	8	8						0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0177		0178						
R0610-04	50	8	8						0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0179		0180						
R0610-04	60	8	8									0152	0153	0154	0155	0156	0157	0158	0181		0182						
R0610-04	63	8	8									0159	0160	0161	0162	0163	0164	0165	0183		0184						
R0610-04	80	8	8										0166	0167	0168	0169	0170	0171		0172		0173	0174				



## R0611

Colonna guida senza testa con filetto posteriore (ISO 9182-2/DIN 9825) - R202.23  
Guide pillar with internal thread on bottom (ISO9182-2/DIN9825) - R202.23



**Descrizione:**

Esempio di ordinativo: R0611-04-0001  
Materiale: 1.7131 ≈60 HRC

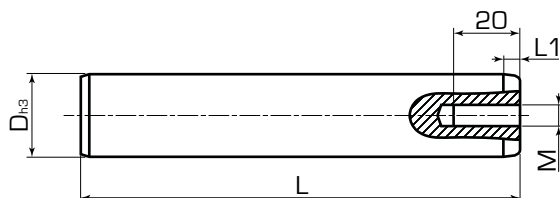
**Description:**

Example of purchasing order: R0611-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	M	L																		
				90	100	112	125	140	160	180	200	224	250	280	315	355	400	450	500	550	630	
R0611-04	10	3	6	0001	0002	0003	0004	0005														
R0611-04	11	3	6	0006	0007	0008	0009	0010														
R0611-04	12	3	6	0011	0012	0013	0014	0015														
R0611-04	15	3	8	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025									
R0611-04	16	3	8	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035									
R0611-04	19	4	8		0036	0037	0038	0039	0040	0041	0042	0043	0142	0143								
R0611-04	20	4	8		0044	0045	0046	0047	0048	0049	0050	0051	0144	0145								
R0611-04	24	6	8		0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0146							
R0611-04	25	6	8		0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0147							
R0611-04	30	6	8				0072	0073	0074	0075	0076	0077	0078	0079	0080	0148	0149					
R0611-04	32	6	8				0081	0082	0083	0084	0085	0086	0087	0088	0089	0150	0151					
R0611-04	38	6	8						0090	0091	0092	0093	0094	0095	0096	0097	0098	0152	0153			
R0611-04	40	6	8						0099	0100	0101	0102	0103	0104	0105	0106	0107	0154	0155			
R0611-04	48	8	8							0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0156	0157	
R0611-04	50	8	8							0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0158	0159	
R0611-04	60	8	8										0128	0129	0130	0131	0132	0133	0134	0160	0161	
R0611-04	63	8	8											0135	0136	0137	0138	0139	0140	0141	0162	0163

## R0612

Colonna guida senza testa con filetto anteriore (ISO 9182-2/DIN 9825) - R202.24  
Guide pillar with internal thread on top (ISO9182-2/DIN9825) - R202.24



**Descrizione:**

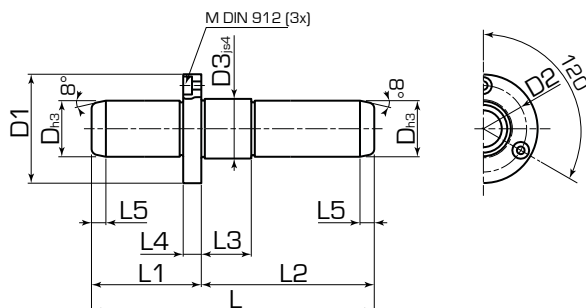
Esempio di ordinativo: R0612-04-0001  
Materiale: 1.7131 ≈60 HRC

**Description:**

Example of purchasing order: R0612-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L1	M	L																		
				90	100	112	125	140	160	180	200	224	250	280	315	355	400	450	500	550	630	
R0612-04	10	3	6	0001	0002	0003	0004	0005														
R0612-04	11	3	6	0006	0007	0008	0009	0010														
R0612-04	12	3	6	0011	0012	0013	0014	0015														
R0612-04	15	3	8	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025									
R0612-04	16	3	8	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035									
R0612-04	19	4	8		0036	0037	0038	0039	0040	0041	0042	0043	0142	0143								
R0612-04	20	4	8		0044	0045	0046	0047	0048	0049	0050	0051	0144	0145								
R0612-04	24	6	8		0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0146							
R0612-04	25	6	8		0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0147							
R0612-04	30	6	8				0072	0073	0074	0075	0076	0077	0078	0079	0080	0148	0149					
R0612-04	32	6	8				0081	0082	0083	0084	0085	0086	0087	0088	0089	0150	0151					
R0612-04	38	6	8						0090	0091	0092	0093	0094	0095	0096	0097	0098	0152	0153			
R0612-04	40	6	8						0099	0100	0101	0102	0103	0104	0105	0106	0107	0154	0155			
R0612-04	48	8	8							0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0156	0157	
R0612-04	50	8	8							0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0158	0159	
R0612-04	60	8	8									0128	0129	0130	0131	0132	0133	0134	0160	0161		
R0612-04	63	8	8										0135	0136	0137	0138	0139	0140	0141	0162	0163	

## R0241 Colonna guida estraibile con fissaggio a collare intermedio - R2020.62 Demountable guide pillar with center fixing - R2020.62



### Descrizione:

Esempio di ordinativo: R0241-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

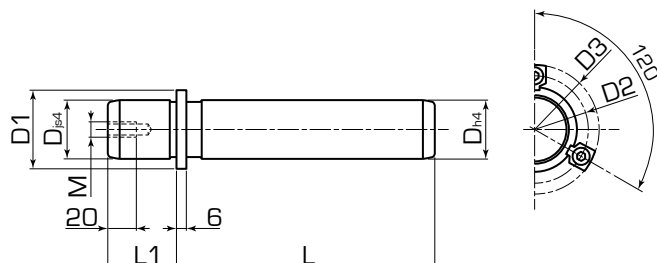
Example of purchasing order: R0241-04-0001

Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	L	L3	L4	L5	M	L1	L2												
											50	60	70	80	90	100	110	120	130	140			
R0241-04	12	28	20	13	90	12	6	3	M3	40	0001												
R0241-04	12	28	20	13	100	12	6	3	M3	40		0002											
R0241-04	12	28	20	13	110	12	6	3	M3	50		0003											
R0241-04	12	28	20	13	120	12	6	3	M3	50			0004										
R0241-04	12	28	20	13	130	12	6	3	M3	60			0005										
R0241-04	12	28	20	13	140	12	6	3	M3	70			0006										
R0241-04	16	38	28	18	140	16	8	4	M4	60				0007									
R0241-04	16	38	28	18	150	16	8	4	M4	60				0008									
R0241-04	16	38	28	18	160	16	8	4	M4	70				0009									
R0241-04	16	38	28	18	170	16	8	4	M4	70					0010								
R0241-04	16	38	28	18	180	16	8	4	M4	80					0011								
R0241-04	16	38	28	18	190	16	8	4	M4	90					0012								
R0241-04	19	42	32	22	160	20	8	4	M4	70				0013									
R0241-04	19	42	32	22	170	20	8	4	M4	70					0014								
R0241-04	19	42	32	22	180	20	8	4	M4	80					0015								
R0241-04	19	42	32	22	190	20	8	4	M4	80						0016							
R0241-04	19	42	32	22	200	20	8	4	M4	90						0017							
R0241-04	19	42	32	22	210	20	8	4	M4	100						0018							
R0241-04	25	48	38	26	180	22	8	6	M4	80					0019								
R0241-04	25	48	38	26	190	22	8	6	M4	80						0020							
R0241-04	25	48	38	26	200	22	8	6	M4	90						0021							
R0241-04	25	48	38	26	210	22	8	6	M4	90							0022						
R0241-04	25	48	38	26	220	22	8	6	M4	100							0023						
R0241-04	25	48	38	26	230	22	8	6	M4	110							0024						
R0241-04	32	60	48	34	180	25	10	7	M5	80					0025								
R0241-04	32	60	48	34	190	25	10	7	M5	80						0026							
R0241-04	32	60	48	34	200	25	10	7	M5	90						0027							
R0241-04	32	60	48	34	210	25	10	7	M5	90							0028						
R0241-04	32	60	48	34	220	25	10	7	M5	100							0029						
R0241-04	32	60	48	34	230	25	10	7	M5	100								0030					
R0241-04	32	60	48	34	240	25	10	7	M5	110								0031					
R0241-04	40	70	56	42	200	27	12	7	M6	90						0032							
R0241-04	40	70	56	42	210	27	12	7	M6	90							0033						
R0241-04	40	70	56	42	220	27	12	7	M6	100							0034						
R0241-04	40	70	56	42	230	27	12	7	M6	100								0035					
R0241-04	40	70	56	42	240	27	12	7	M6	110								0036					
R0241-04	40	70	56	42	250	27	12	7	M6	110									0037				
R0241-04	40	70	56	42	260	27	12	7	M6	120									0038				

## R0663 Colonna guida estraibile (ISO 9182-5/DIN 9825) Demountable guide pillar (ISO 9182-5/DIN 9825)



### Descrizione:

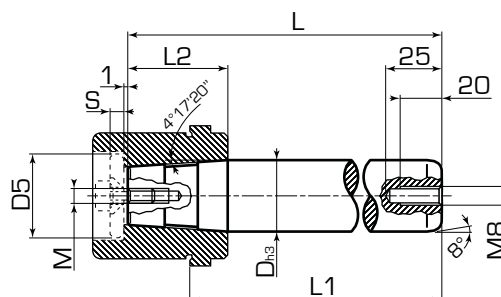
Esempio di ordinativo: **R0663-04-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: **R0663-04-0001**  
 Material: 1.7131 ≈60 HRC  
 Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	M	L1	L																
							100	112	125	140	160	180	200	224	250	280	315	355	400				
R0663-04	15	22	33	45.7	M8	20	0001	0002	0003	0004	0005	0006	0007										
R0663-04	16	22	33	45.7	M8	20	0008	0009	0010	0011	0012	0013	0014										
R0663-04	19	25	36	48.7	M8	23	0015	0016	0017	0018	0019	0020	0021										
R0663-04	20	25	36	48.7	M8	23	0022	0023	0024	0025	0026	0027	0028										
R0663-04	24	32	43	55.7	M8	30	0029	0030	0031	0032	0033	0034	0035	0036	0037								
R0663-04	25	32	43	55.7	M8	30	0038	0039	0040	0041	0042	0043	0044	0045	0046								
R0663-04	30	40	51	63.7	M8	37		0048	0049	0050	0051	0052	0053	0054	0055	0056	0057						
R0663-04	32	40	51	63.7	M8	37		0059	0060	0061	0062	0063	0064	0065	0066	0067	0068						
R0663-04	38	50	61	73.7	M8	37			0069	0070	0071	0072	0073	0074	0075	0076	0077	0078					
R0663-04	40	50	61	73.7	M8	37			0079	0080	0081	0082	0083	0084	0085	0086	0087	0088					
R0663-04	48	63	74	86.7	M8	47			0089	0090	0091	0092	0093	0094	0095	0096	0097	0098					
R0663-04	50	63	74	86.7	M8	47			0099	0100	0101	0102	0103	0104	0105	0106	0107	0108					
R0663-04	60	80	91	103.7	M8	47				0109	0110	0111	0112	0113	0114	0115	0116	0117					
R0663-04	63	80	91	103.7	M8	47				0118	0119	0120	0121	0122	0123	0124	0125	0126					
R0663-04	80	95	106	118.4	M12	60						0127	0128	0129	0130	0131	0132	0133					

## R0664 Colonna guida conica senza testa (ISO 9182-4/DIN 9825) Conical guide pillar without head (ISO 9182-4/DIN 9825)



### Descrizione:

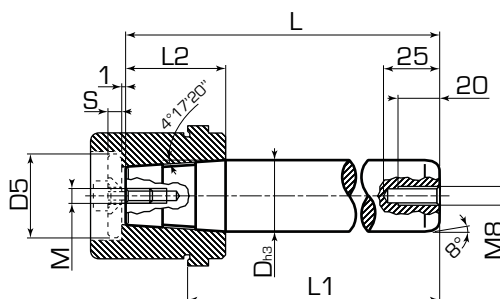
Esempio di ordinativo: R0664-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0664-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L	L2	M	L1											
					100	112	125	140	160	180	200	224	250	280	315	355
R0664-04	19	126	38	M6	0001											
R0664-04	19	138	38	M6		0002										
R0664-04	19	151	38	M6			0003									
R0664-04	19	166	38	M6				0004								
R0664-04	19	186	38	M6					0005							
R0664-04	19	206	38	M6						0006						
R0664-04	19	226	38	M6							0007					
R0664-04	20	126	38	M6	0008											
R0664-04	20	138	38	M6		0009										
R0664-04	20	151	38	M6			0010									
R0664-04	20	166	38	M6				0011								
R0664-04	20	186	38	M6					0012							
R0664-04	20	206	38	M6						0013						
R0664-04	20	226	38	M6							0014					
R0664-04	24	123	35	M8	0015											
R0664-04	24	135	35	M8		0016										
R0664-04	24	148	35	M8			0017									
R0664-04	24	163	35	M8				0018								
R0664-04	24	183	35	M8					0019							
R0664-04	24	203	35	M8						0020						
R0664-04	24	223	35	M8							0021					
R0664-04	24	247	35	M8								0022				
R0664-04	24	273	35	M8									0023			
R0664-04	25	123	35	M8	0024											
R0664-04	25	135	35	M8		0025										
R0664-04	25	148	35	M8			0026									
R0664-04	25	163	35	M8				0027								
R0664-04	25	183	35	M8					0028							
R0664-04	25	203	35	M8						0029						
R0664-04	25	223	35	M8							0030					
R0664-04	25	247	35	M8								0031				
R0664-04	25	273	35	M8									0032			
R0664-04	30	145	48	M8		0033										
R0664-04	30	158	48	M8			0034									

## R0664 Colonna guida conica senza testa (ISO 9182-4/DIN 9825) Conical guide pillar without head (ISO 9182-4/DIN 9825)



**Descrizione:**

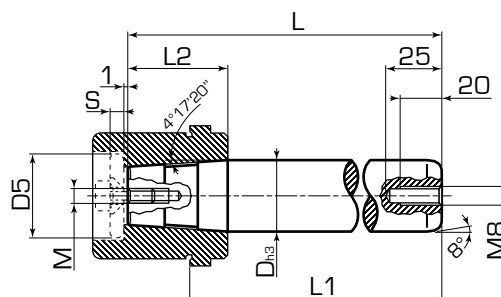
Esempio di ordinativo: **R0664-04-0001**  
Materiale: 1.7131 ≈60 HRC

**Description:**

Example of purchasing order: **R0664-04-0001**  
Material: 1.7131 ≈60 HRC

Codice Code	D	L	L2	M	L1											
					100	112	125	140	160	180	200	224	250	280	315	355
R0664-04	30	173	48	M8				0035								
R0664-04	30	193	48	M8					0036							
R0664-04	30	213	48	M8						0037						
R0664-04	30	233	48	M8							0038					
R0664-04	30	257	48	M8								0039				
R0664-04	30	283	48	M8									0040			
R0664-04	30	313	48	M8										0041		
R0664-04	32	145	48	M8		0042										
R0664-04	32	158	48	M8			0043									
R0664-04	32	173	48	M8				0044								
R0664-04	32	193	48	M8					0045							
R0664-04	32	213	48	M8						0046						
R0664-04	32	233	48	M8							0047					
R0664-04	32	257	48	M8								0048				
R0664-04	32	283	48	M8									0049			
R0664-04	32	313	48	M8										0050		
R0664-04	38	158	48	M8			0051									
R0664-04	38	173	48	M8				0052								
R0664-04	38	193	48	M8					0053							
R0664-04	38	213	48	M8						0054						
R0664-04	38	233	48	M8							0055					
R0664-04	38	257	48	M8								0056				
R0664-04	38	283	48	M8									0057			
R0664-04	38	313	48	M8										0058		
R0664-04	38	348	48	M8											0059	
R0664-04	40	158	48	M8			0060									
R0664-04	40	173	48	M8				0061								
R0664-04	40	193	48	M8					0062							
R0664-04	40	213	48	M8						0063						
R0664-04	40	233	48	M8							0064					
R0664-04	40	257	48	M8								0065				
R0664-04	40	283	48	M8									0066			
R0664-04	40	313	48	M8										0067		
R0664-04	40	348	48	M8											0068	

## R0664 Colonna guida conica senza testa (ISO 9182-4/DIN 9825) Conical guide pillar without head (ISO 9182-4/DIN 9825)



### Descrizione:

Esempio di ordinativo: R0664-04-0001  
Materiale: 1.7131 ≈60 HRC

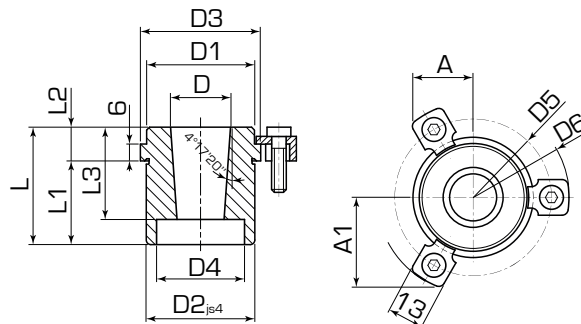
### Description:

Example of purchasing order: R0664-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	L	L2	M	L1											
					100	112	125	140	160	180	200	224	250	280	315	355
R0664-04	48	180	58	M10				0069								
R0664-04	48	200	58	M10					0070							
R0664-04	48	220	58	M10						0071						
R0664-04	48	240	58	M10							0072					
R0664-04	48	264	58	M10								0073				
R0664-04	48	290	58	M10									0074			
R0664-04	48	320	58	M10										0075		
R0664-04	48	355	58	M10											0076	
R0664-04	48	395	58	M10												0077
R0664-04	50	180	58	M10				0078								
R0664-04	50	200	58	M10					0079							
R0664-04	50	220	58	M10						0080						
R0664-04	50	240	58	M10							0081					
R0664-04	50	264	58	M10								0082				
R0664-04	50	290	58	M10									0083			
R0664-04	50	320	58	M10										0084		
R0664-04	50	355	58	M10											0085	
R0664-04	50	395	58	M10												0086
R0664-04	60	211	69	M12					0087							
R0664-04	60	231	69	M12						0088						
R0664-04	60	251	69	M12							0089					
R0664-04	60	275	69	M12								0090				
R0664-04	60	301	69	M12									0091			
R0664-04	60	331	69	M12										0092		
R0664-04	60	366	69	M12											0093	
R0664-04	60	406	69	M12												0094
R0664-04	63	211	69	M12					0095							
R0664-04	63	231	69	M12						0096						
R0664-04	63	251	69	M12							0097					
R0664-04	63	275	69	M12								0098				
R0664-04	63	301	69	M12									0099			
R0664-04	63	331	69	M12										0100		
R0664-04	63	366	69	M12											0101	
R0664-04	63	406	69	M12												0102

## R0665

Bussola guida estraibile conica (ISO 9182-4/DIN 9825)  
Demountable conical guide bush (ISO 9182-4/DIN 9825)



### Descrizione:

Esempio di ordinativo: **R0665-04-0001**  
Materiale: 1.7131 ≈60 HRC  
Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: **R0665-04-0001**  
Material: 1.7131 ≈60 HRC  
Note: Clamps and screws have to be ordered separately

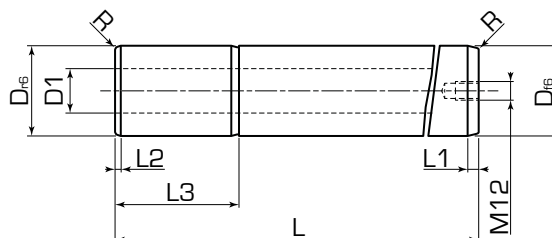
Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L								
											42	49	52	59	62	65	75	78	95
R0665-04	19	32	32	40	23	53	65.7	30	12	39	0001								
R0665-04	19	32	32	40	23	53	65.7	37	12	39		0002							
R0665-04	20	32	32	40	23	53	65.7	30	12	39	0003								
R0665-04	20	32	32	40	23	53	65.7	37	12	39		0004							
R0665-04	24	40	40	48	26	60	72.7	37	12	36		0005							
R0665-04	24	40	40	48	26	60	72.7	47	12	36				0006					
R0665-04	25	40	40	48	26	60	72.7	37	12	36		0007							
R0665-04	25	40	40	48	26	60	72.7	47	12	36				0008					
R0665-04	30	48	48	56	33	67	79.7	37	15	49				0009					
R0665-04	30	48	48	56	33	67	79.7	47	15	49					0010				
R0665-04	32	48	48	56	33	67	79.7	37	15	49				0011					
R0665-04	32	48	48	56	33	67	79.7	47	15	49					0012				
R0665-04	38	58	58	66	41	77	89.7	47	15	49					0013				
R0665-04	38	58	58	66	41	77	89.7	60	15	49							0014		
R0665-04	40	58	58	66	41	77	89.7	47	15	49				0015					
R0665-04	40	58	58	66	41	77	89.7	60	15	49							0016		
R0665-04	48	70	70	80	51	91	103.7	47	18	59					0017				
R0665-04	48	70	70	80	51	91	103.7	60	18	59								0018	
R0665-04	50	70	70	80	51	91	103.7	47	18	59					0019				
R0665-04	50	70	70	80	51	91	103.7	60	18	59								0020	
R0665-04	60	85	85	95	64	106	118.7	60	18	70								0021	
R0665-04	60	85	85	95	64	106	118.7	77	18	70									0022
R0665-04	63	85	85	95	64	106	118.7	60	18	70								0023	
R0665-04	63	85	85	95	64	106	118.7	77	18	70									0024



## R0242

Colonna guida senza testa (ISO 9182-3/DIN 9825) - R2022.19

Guide pillar without head (ISO9182-3/DIN9825) - R2022.19



### Descrizione:

Esempio di ordinativo: R0242-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

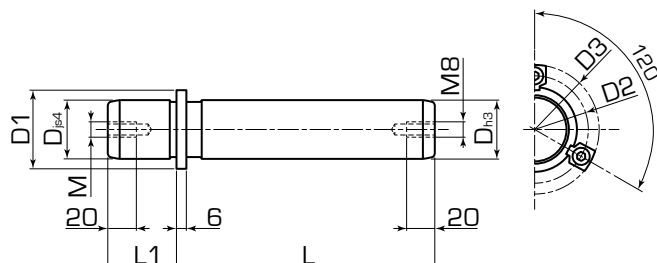
Example of purchasing order: R0242-04-0001

Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	L1	L2	L3	R	L																
							125	140	160	180	200	224	250	280	315	355	400	450	500	560			
R0242-04	25	-	8	4	40	2	0001	0002	0003	0004	0005	0006											
R0242-04	32	-	8	4	45	2	0007	0008	0009	0010	0011	0012	0013										
R0242-04	40	-	8	4	56	2		0014	0015	0016	0017	0018	0019	0020									
R0242-04	50	-	10	4	70	2.5			0021	0022	0023	0024	0025	0026	0027	0028							
R0242-04	63	-	10	4	80	2.5				0029	0030	0031	0032	0033	0034	0035	0036						
R0242-04	80	-	10	4	100	3						0037	0038	0039	0040	0041	0042	0043	0044				
R0242-04	100	51	10	4	125	3						0045	0046	0047	0048	0049	0050	0051					
R0242-04	125	68	12	5	140	4								0052	0053	0054	0055	0056					
R0242-04	160	105	12	5	180	4										0057	0058	0059	0060				

## R0243 Colonna guida estraibile (ISO 9182-5/DIN 9825) - R2021.46 Demountable guide pillar (ISO 9182-5/DIN 9825) - R2021.46



### Descrizione:

Esempio di ordinativo: **R0243-04-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Nota: Staffette e viti da ordinare separatamente

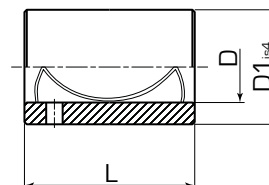
### Description:

Example of purchasing order: **R0243-04-0001**  
 Material: 1.7131 ≈60 HRC  
 Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	M	L1	L																
							100	112	125	140	160	180	200	224	250	280	315	355	400				
R0243-04	19	25	36	48.7	M8	23	0001	0002	0003	0004	0005	0006	0007										
R0243-04	20	25	36	48.7	M8	23	0008	0009	0010	0011	0012	0013	0014										
R0243-04	24	32	43	55.7	M8	30	0015	0016	0017	0018	0019	0020	0021	0022	0023								
R0243-04	25	32	43	55.7	M8	30	0024	0025	0026	0027	0028	0029	0030	0031	0032								
R0243-04	30	40	51	63.7	M8	37		0033	0034	0035	0036	0037	0038	0039	0040	0041	0042						
R0243-04	32	40	51	63.7	M8	37		0043	0044	0045	0046	0047	0048	0049	0050	0051	0052						
R0243-04	38	50	61	73.7	M8	37			0053	0054	0055	0056	0057	0058	0059	0060	0061	0062					
R0243-04	40	50	61	73.7	M8	37			0063	0064	0065	0066	0067	0068	0069	0070	0071	0072					
R0243-04	48	63	74	86.7	M8	47				0073	0074	0075	0076	0077	0078	0079	0080	0081					
R0243-04	50	63	74	86.7	M8	47				0082	0083	0084	0085	0086	0087	0088	0089	0090					
R0243-04	60	80	91	103.7	M8	47				0091	0092	0093	0094	0095	0096	0097	0098	0099					
R0243-04	63	80	91	103.7	M8	47				0100	0101	0102	0103	0104	0105	0106	0107	0108					
R0243-04	80	95	106	118.4	M12	60						0109	0110	0111	0112	0113	0114	0115					

## R0244

Bussola guida senza collare (ISO 9448-2/DIN 9831) - R2051.32  
Guide bush without collar (ISO9448-2/DIN9831) - R2051.32



### Descrizione:

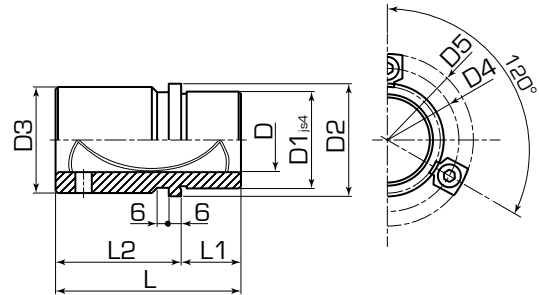
Esempio di ordinativo: R0244-04-0001  
Materiale: 1.7131 ≈60 HRC

### Description:

Example of purchasing order: R0244-04-0001  
Material: 1.7131 ≈60 HRC

Codice Code	D	D1	L						
			30	37	47	60	77	95	120
R0244-04	15	28	0001	0002	0003	0004			
R0244-04	16	28	0005	0006	0007	0008			
R0244-04	19	32	0009	0010	0011	0012	0013		
R0244-04	20	32	0014	0015	0016	0017	0018		
R0244-04	24	40	0019	0020	0021	0022	0023		
R0244-04	25	40	0024	0025	0026	0027	0028		
R0244-04	30	48	0029	0030	0031	0032	0033	0034	
R0244-04	32	48	0035	0036	0037	0038	0039	0040	
R0244-04	38	58	0041	0042	0043	0044	0045	0046	0047
R0244-04	40	58	0048	0049	0050	0051	0052	0053	0054
R0244-04	48	70		0055	0056	0057	0058	0059	0060
R0244-04	50	70		0061	0062	0063	0064	0065	0066
R0244-04	60	105				0067	0068	0069	0070
R0244-04	63	105				0071	0072	0073	0074

## R0245 Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0245-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: R0245-04-0001

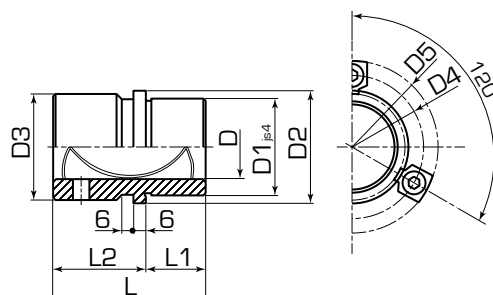
Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L					
									59	79	93	108	127	
R0245-04	19	32	40	39	52	67.4	23	36	0001					
R0245-04	20	32	40	39	52	67.4	23	36	0002					
R0245-04	24	40	48	46	60	72.7	23	56		0003				
R0245-04	25	40	48	46	60	72.7	23	56		0004				
R0245-04	30	48	56	53	67	79.7	30	63			0005			
R0245-04	32	48	56	53	67	79.7	30	63			0006			
R0245-04	38	58	66	63	77	89.7	37	71				0007		
R0245-04	40	58	66	63	77	89.7	37	71				0008		
R0245-04	48	70	80	77	91	103.7	47	80					0009	
R0245-04	50	70	80	77	91	103.7	47	80						0010

## R0246

Bussola guida estraibile (ISO 9448-6/DIN 9831)  
Demountable guide bush (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0246-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

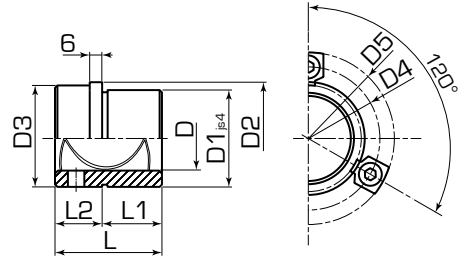
Example of purchasing order: R0246-04-0001

Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L						
									43	59	75	82	97	116	
R0246-04	19	32	40	39	52	64.7	23	20	0001						
R0246-04	20	32	40	39	52	64.7	23	20	0002						
R0246-04	24	40	48	46	60	72.7	23	36		0003					
R0246-04	25	40	48	46	60	72.7	23	36		0004					
R0246-04	30	48	56	53	67	79.7	30	45			0005				
R0246-04	32	48	56	53	67	79.7	30	45			0006				
R0246-04	38	58	66	63	77	89.7	37	45				0007			
R0246-04	40	58	66	63	77	89.7	37	45				0008			
R0246-04	48	70	80	77	91	103.7	47	50					0009		
R0246-04	50	70	80	77	91	103.7	47	50					0010		
R0246-04	60	85	95	92	106	118.7	60	56							0011
R0246-04	63	85	95	92	106	118.7	60	56							0012

## R0247 Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0247-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

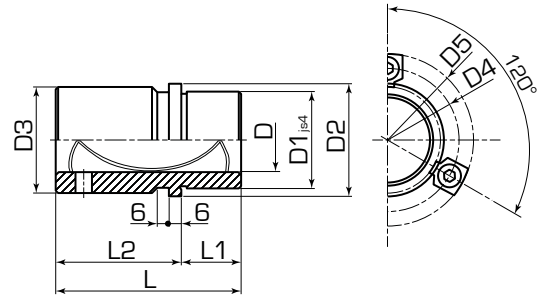
Example of purchasing order: R0247-04-0001

Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L					
									35	42	52	65	80	
R0247-04	19	32	40	32	52	64.7	23	12	0001					
R0247-04	20	32	40	32	52	64.7	23	12	0002					
R0247-04	24	40	48	40	60	72.7	23	12	0003					
R0247-04	25	40	48	40	60	72.7	23	12	0004					
R0247-04	30	48	56	48	67	79.7	30	12		0005				
R0247-04	32	48	56	48	67	79.7	30	12		0006				
R0247-04	38	58	66	58	77	89.7	37	15			0007			
R0247-04	40	58	66	58	77	89.7	37	15			0008			
R0247-04	48	70	80	70	91	103.7	47	18				0009		
R0247-04	50	70	80	70	91	103.7	47	18				0010		
R0247-04	60	85	95	85	106	118.7	60	20					0011	
R0247-04	63	85	95	85	106	118.7	60	20						0012

## R0248 Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)



### Descrizione:

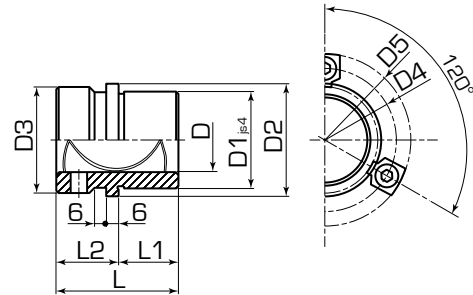
Esempio di ordinativo: R0248-04-0001  
 Materiale: 1.7131 ≈60 HRC  
 Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: R0248-04-0001  
 Material: 1.7131 ≈60 HRC  
 Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L			
									80	93	110	131
R0248-04	24	40	48	46	60	72.7	30	50	0001			
R0248-04	25	40	48	46	60	72.7	30	50	0002			
R0248-04	30	48	56	53	67	79.7	37	56		0003		
R0248-04	32	48	56	53	67	79.7	37	56		0004		
R0248-04	38	58	66	63	77	89.7	47	63			0005	
R0248-04	40	58	66	63	77	89.7	47	63			0006	
R0248-04	48	70	80	77	91	103.7	60	71				0007
R0248-04	50	70	80	77	91	103.7	60	71				0008

## R0249 Bussola guida estraibile (ISO 9448-6/DIN 9831) Demountable guide bush (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0249-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: R0249-04-0001

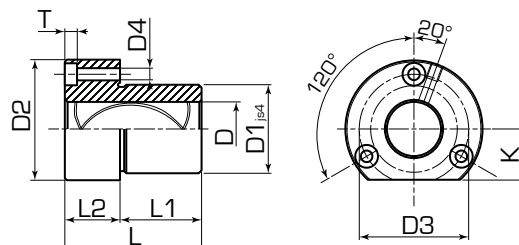
Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L			
									55	69	79	96
R0249-04	24	40	48	46	60	72.7	30	25	0001			
R0249-04	25	40	48	46	60	72.7	30	25	0002			
R0249-04	30	48	56	53	67	79.7	37	32		0003		
R0249-04	32	48	56	53	67	79.7	37	32		0004		
R0249-04	38	58	66	63	77	89.7	47	32			0005	
R0249-04	40	58	66	63	77	89.7	47	32			0006	
R0249-04	48	70	80	77	91	103.7	60	36				0007
R0249-04	50	70	80	77	91	103.7	60	36				0008



## R0250 Bussola di guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0250-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

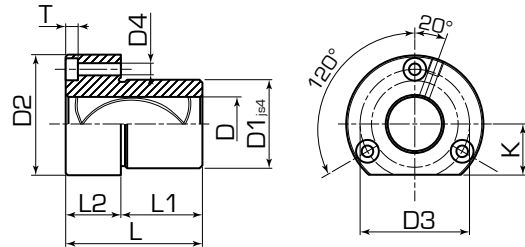
Example of purchasing order: R0250-04-0001

Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L					
										52	62	72	77	102	125
R0250-04	19	32	50	40	4.5	18	4.6	37	15	0001					
R0250-04	20	32	50	40	4.5	18	4.6	37	15	0002					
R0250-04	24	40	63	50	5.5	23	5.7	37	25		0003				
R0250-04	25	40	63	50	5.5	23	5.7	37	25		0004				
R0250-04	30	48	72	58	5.5	28	5.7	47	25			0005			
R0250-04	32	48	72	58	5.5	28	5.7	47	25			0006			
R0250-04	38	58	85	70	6.6	33	6.8	47	30				0007		
R0250-04	40	58	85	70	6.6	33	6.8	47	30				0008		
R0250-04	48	70	104	86	9	38	9	60	42					0009	
R0250-04	50	70	104	86	9	38	9	60	42					0010	
R0250-04	60	85	120	100	9	46	9	60	42					0011	
R0250-04	63	85	120	100	9	46	9	60	42					0012	
R0250-04	80	105	148	125	11	56	11	75	50						0013

## R0251 Bussola guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)



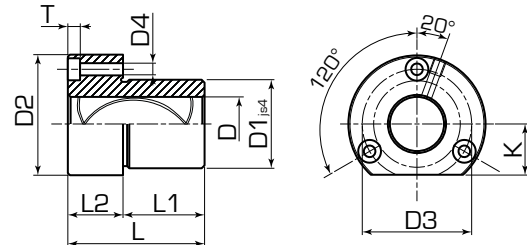
**Descrizione:** **Description:**

Esempio di ordinativo: **R0251-04-0001**  
 Materiale: 1.7131 ≈60 HRC  
 Nota: Staffette e viti da ordinare separatamente

Example of purchasing order: **R0251-04-0001**  
 Material: 1.7131 ≈60 HRC  
 Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L					
										36	45	55	62	67	89
R0251-04	16	28	45	35	4,5	15	3,4	30	6	0001					
R0251-04	19	32	50	40	4,5	18	4,6	30	15		0002				
R0251-04	20	32	50	40	4,5	18	4,6	30	15		0003				
R0251-04	24	40	63	50	5,5	23	5,7	30	25			0004			
R0251-04	25	40	63	50	5,5	23	5,7	30	25			0005			
R0251-04	30	48	72	58	5,5	28	5,7	37	25				0006		
R0251-04	32	48	72	58	5,5	28	5,7	37	25				0007		
R0251-04	38	58	85	70	6,6	33	6,8	37	30					0008	
R0251-04	40	58	85	70	6,6	33	6,8	37	30					0009	
R0251-04	48	70	104	86	9	38	9	47	42						0010
R0251-04	50	70	104	86	9	38	9	47	42						0011
R0251-04	60	85	120	100	9	46	9	47	42						0012
R0251-04	63	85	120	100	9	46	9	47	42						0013

## R0252 Bussola guida con flangia (ISO 9448-4/DIN 9831) Flanged guide bush (ISO 9448-4/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0252-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: R0252-04-0001

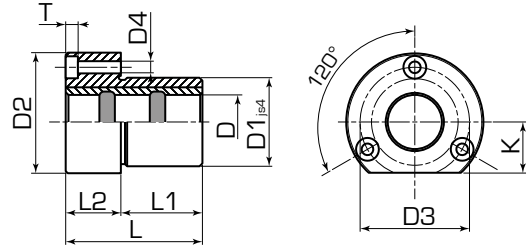
Material: 1.7131 ≈60 HRC

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L			
										38	45	55	62
R0252-04	19	32	50	40	4.5	18	4.6	23	15	0001			
R0252-04	20	32	50	40	4.5	18	4.6	23	15	0002			
R0252-04	24	40	63	50	5.5	23	5.7	23	15	0003			
R0252-04	25	40	63	50	5.5	23	5.7	23	15	0004			
R0252-04	30	48	72	58	5.5	28	5.7	30	15		0005		
R0252-04	32	48	72	58	5.5	28	5.7	30	15		0006		
R0252-04	38	58	85	70	6.6	33	6.8	30	25			0007	
R0252-04	40	58	85	70	6.6	33	6.8	30	25			0008	
R0252-04	48	70	104	86	9	38	9	37	25				0009
R0252-04	50	70	104	86	9	38	9	37	25				0010

## R0253

Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831)  
Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0253-04-0001**  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite  
Nota: Staffette e viti da ordinare separatamente

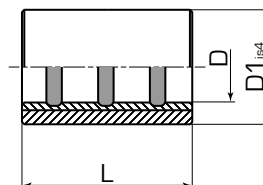
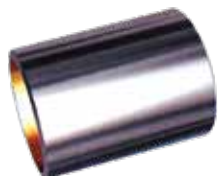
### Description:

Example of purchasing order: **R0253-04-0001**  
Material: 1.7131 ≈60 HRC + Bronze/Graphite  
Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L			
										38	45	55	62
R0253-04	19	32	50	40	4.5	18	4.6	23	15	0001			
R0253-04	20	32	50	40	4.5	18	4.6	23	15	0002			
R0253-04	24	40	63	50	5.5	23	5.7	23	15	0003			
R0253-04	25	40	63	50	5.5	23	5.7	23	15	0004			
R0253-04	30	48	72	58	5.5	28	5.7	30	15		0005		
R0253-04	32	48	72	58	5.5	28	5.7	30	15		0006		
R0253-04	38	58	85	70	6.6	33	6.8	30	25			0007	
R0253-04	40	58	85	70	6.6	33	6.8	30	25			0008	
R0253-04	48	70	104	86	9	38	9	37	25				0009
R0253-04	50	70	104	86	9	38	9	37	25				0010

## R0254

Bussola guida senza collare con riporto in bronzo/grafite (ISO 9448-2/DIN 9831)  
Guide bush without collar with bronze/graphite coated internal bore (ISO 9448-2/DIN 9831)



### Descrizione:

Esempio di ordinativo: R0254-04-0001  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite

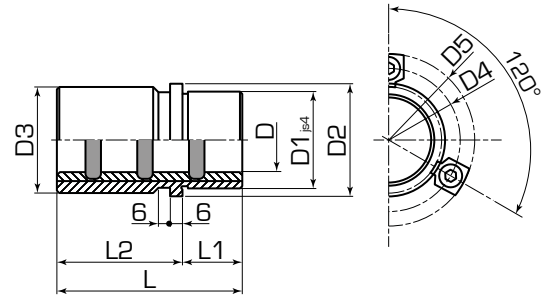
### Description:

Example of purchasing order: R0254-04-0001  
Material: 1.7131 ≈60 HRC + Bronze/Graphite

Codice Code	D	D1	L								
			23	30	37	47	60	77	95	110	120
R0254-04	19	32	0001	0002	0003	0004	0005	0006			
R0254-04	20	32	0007	0008	0009	0010	0011	0012			
R0254-04	24	40	0013	0014	0015	0016	0017	0018			
R0254-04	25	40	0019	0020	0021	0022	0023	0024			
R0254-04	30	48		0025	0026	0027	0028	0029	0030		
R0254-04	32	48		0031	0032	0033	0034	0035	0036		
R0254-04	38	58		0037	0038	0039	0040	0041	0042		0043
R0254-04	40	58		0044	0045	0046	0047	0048	0049		0050
R0254-04	48	70			0051	0052	0053	0054	0055		0056
R0254-04	50	70			0057	0058	0059	0060	0061		0062
R0254-04	60	85					0063	0064	0065		0066
R0254-04	63	85					0067	0068	0069		0070
R0254-04	80	105					0071			0072	0073

## R0255

Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN9831)  
Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0255-04-0001**  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite  
Nota: Staffette e viti da ordinare separatamente

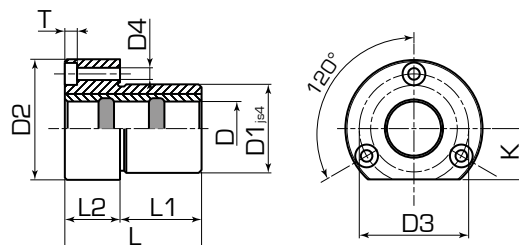
### Description:

Example of purchasing order: **R0255-04-0001**  
Material: 1.7131 ≈60 HRC + Bronze/Graphite  
Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L						
									59	79	93	108	127	150	
R0255-04	19	32	40	39	52	67.4	23	36	0001						
R0255-04	20	32	40	39	52	67.4	23	36	0002						
R0255-04	24	40	48	46	60	72.7	23	56		0003					
R0255-04	25	40	48	46	60	72.7	23	56		0004					
R0255-04	30	48	56	53	67	79.7	30	63			0005				
R0255-04	32	48	56	53	67	79.7	30	63			0006				
R0255-04	38	58	66	63	77	89.7	37	71				0007			
R0255-04	40	58	66	63	77	89.7	37	71				0008			
R0255-04	48	70	80	77	91	103.7	47	80					0009		
R0255-04	50	70	80	77	91	103.7	47	80					0010		
R0255-04	60	85	95	92	106	118.7	60	90							0011
R0255-04	63	85	95	92	106	118.7	60	90							0012
R0255-04	80	105	118	115	129	141.7	60	90							0013

## R0256

Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831)  
Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0256-04-0001**

Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite

Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: **R0256-04-0001**

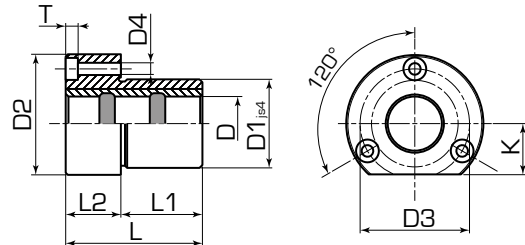
Material: 1.7131 ≈60 HRC + Bronze/Graphite

Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L					
										52	62	72	77	102	125
R0256-04	19	32	50	40	4.5	18	4.6	37	15	0001					
R0256-04	20	32	50	40	4.5	18	4.6	37	15	0002					
R0256-04	24	40	63	50	5.5	23	5.7	37	25		0003				
R0256-04	25	40	63	50	5.5	23	5.7	37	25		0004				
R0256-04	30	48	72	58	5.5	28	5.7	47	25			0005			
R0256-04	32	48	72	58	5.5	28	5.7	47	25			0006			
R0256-04	38	58	85	70	6.6	33	6.8	47	30				0007		
R0256-04	40	58	85	70	6.6	33	6.8	47	30				0008		
R0256-04	48	70	104	86	9	38	9	60	42					0009	
R0256-04	50	70	104	86	9	38	9	60	42					0010	
R0256-04	60	85	120	100	9	46	9	60	42					0011	
R0256-04	63	85	120	100	9	46	9	60	42					0012	
R0256-04	80	105	148	125	11	56	11	75	50						0013

## R0257

Bussola guida con flangia con riporto in bronzo/grafite (ISO 9448-4/DIN 9831)  
Flanged guide bush with bronze/graphite coated internal bore (ISO 9448-4/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0257-04-0001**  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite  
Nota: Staffette e viti da ordinare separatamente

### Description:

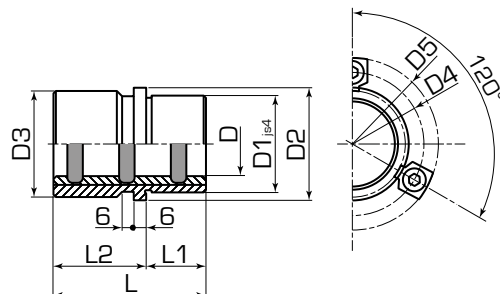
Example of purchasing order: **R0257-04-0001**  
Material: 1.7131 ≈60 HRC + Bronze/Graphite  
Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	K	T	L1	L2	L				
										45	55	62	67	89
R0257-04	19	32	50	40	4.5	18	4.6	30	15	0001				
R0257-04	20	32	50	40	4.5	18	4.6	30	15	0002				
R0257-04	24	40	63	50	5.5	23	5.7	30	25		0003			
R0257-04	25	40	63	50	5.5	23	5.7	30	25		0004			
R0257-04	30	48	72	58	5.5	28	5.7	37	25			0005		
R0257-04	32	48	72	58	5.5	28	5.7	37	25			0006		
R0257-04	38	58	85	70	6.6	33	6.8	37	30				0007	
R0257-04	40	58	85	70	6.6	33	6.8	37	30				0008	
R0257-04	48	70	104	86	9	38	9	47	42					0009
R0257-04	50	70	104	86	9	38	9	47	42					0010
R0257-04	60	85	120	100	9	46	9	47	42					0011
R0257-04	63	85	120	100	9	46	9	47	42					0012



## R0258

Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN 9831)  
Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0258-04-0001**  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite  
Nota: Staffette e viti da ordinare separatamente

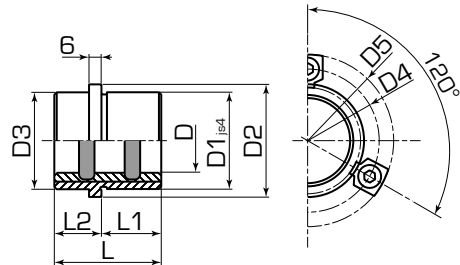
### Description:

Example of purchasing order: **R0258-04-0001**  
Material: 1.7131 ≈60 HRC + Bronze/Graphite  
Note: Clamps and screws have to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L							
									43	59	75	82	97	116	120	
R0258-04	19	32	40	39	52	67.4	23	20	0001							
R0258-04	20	32	40	39	52	67.4	23	20	0002							
R0258-04	24	40	48	46	60	72.7	23	36		0003						
R0258-04	25	40	48	46	60	72.7	23	36		0004						
R0258-04	30	48	56	53	67	79.7	30	45			0005					
R0258-04	32	48	56	53	67	79.7	30	45			0006					
R0258-04	38	58	66	63	77	89.7	37	45				0007				
R0258-04	40	58	66	63	77	89.7	37	45				0008				
R0258-04	48	70	80	77	91	103.7	47	50					0009			
R0258-04	50	70	80	77	91	103.7	47	50					0010			
R0258-04	60	85	95	92	106	118.7	60	56						0011		
R0258-04	63	85	95	92	106	118.7	60	56						0012		
R0258-04	80	105	118	115	129	141.7	60	60								0013

## R0259

Bussola guida estraibile con riporto in bronzo/grafite (ISO 9448-6/DIN 9831)  
Demountable guide bush with bronze/graphite coated internal bore (ISO 9448-6/DIN 9831)



### Descrizione:

Esempio di ordinativo: **R0259-04-0001**  
Materiale: 1.7131 ≈60 HRC + Bronzo/Grafite  
Nota: Staffette e viti da ordinare separatamente

### Description:

Example of purchasing order: **R0259-04-0001**  
Material: 1.7131 ≈60 HRC + Bronze/Graphite  
Note: Clamps and screws have to be ordered separately

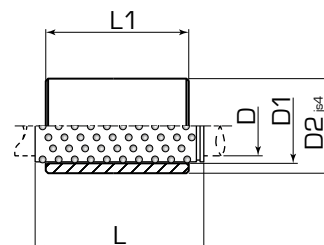
Codice Code	D	D1	D2	D3	D4	D5	L1	L2	L					
									35	42	52	65	80	
R0259-04	19	32	40	32	52	67.4	23	12	0001					
R0259-04	20	32	40	32	52	67.4	23	12	0002					
R0259-04	24	40	48	40	60	72.7	23	12	0003					
R0259-04	25	40	48	40	60	72.7	23	12	0004					
R0259-04	30	48	56	48	67	79.7	30	12		0005				
R0259-04	32	48	56	48	67	79.7	30	12		0006				
R0259-04	38	58	66	58	77	89.7	37	15			0007			
R0259-04	40	58	66	58	77	89.7	37	15			0008			
R0259-04	48	70	80	70	91	103.7	47	18				0009		
R0259-04	50	70	80	70	91	103.7	47	18				0010		
R0259-04	60	85	95	85	106	118.7	60	20						0011
R0259-04	63	85	95	85	106	118.7	60	20						0012
R0259-04	80	105	118	105	129	141.7	60	20						0013

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0260

Bussola guida senza collare per gabbia a sfere (ISO 9448-3/DIN 9831) - R2061.44  
Ball bearing guide bush without collar (ISO9448-3/DIN9831) - R2061.44



### Descrizione:

Esempio di ordinativo: **R0260-04-0001**  
Materiale: 1.7131 ≈60 HRC  
Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: **R0260-04-0001**  
Material: 1.7131 ≈60 HRC  
Note: Ball cage R0273 has to be ordered separately

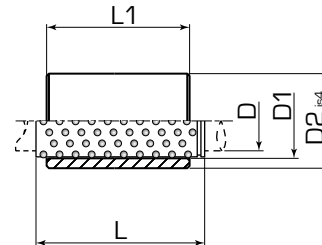
Codice Code	D	D1	D2	L1	L									
					45	50	56	63	71	80	95	120	140	
R0260-04	16	22	28	23	0001									
R0260-04	19	25	32	23	0002									
R0260-04	19	25	32	30	0003									
R0260-04	19	25	32	37	0004									
R0260-04	19	25	32	47			0005							
R0260-04	19	25	32	60				0006						
R0260-04	19	25	32	77						0007				
R0260-04	20	26	32	23	0008									
R0260-04	20	26	32	30	0009									
R0260-04	20	26	32	37	0010									
R0260-04	20	26	32	47			0011							
R0260-04	20	26	32	60				0012						
R0260-04	20	26	32	77						0013				
R0260-04	24	30	40	23	0014									
R0260-04	24	30	40	30	0015									
R0260-04	24	30	40	37	0016									
R0260-04	24	30	40	47			0017							
R0260-04	24	30	40	60				0018						
R0260-04	24	30	40	77						0019				
R0260-04	25	31	40	23	0020									
R0260-04	25	31	40	30	0021									
R0260-04	25	31	40	37	0022									
R0260-04	25	31	40	47			0023							
R0260-04	25	31	40	60				0024						
R0260-04	25	31	40	77						0025				
R0260-04	30	38	48	30	0026									
R0260-04	30	38	48	37		0027								
R0260-04	30	38	48	47			0028							
R0260-04	30	38	48	60				0029						
R0260-04	30	38	48	77						0030				
R0260-04	30	38	48	95							0031			
R0260-04	32	40	48	30	0032									
R0260-04	32	40	48	37		0033								
R0260-04	32	40	48	47			0034							
R0260-04	32	40	48	60				0035						
R0260-04	32	40	48	77						0036				

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0260

Bussola guida senza collare per gabbia a sfere (ISO 9448-3/DIN 9831) - R2061.44  
Ball bearing guide bush without collar (ISO9448-3/DIN9831) - R2061.44



### Descrizione:

Esempio di ordinativo: **R0260-04-0001**

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: **R0260-04-0001**

Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

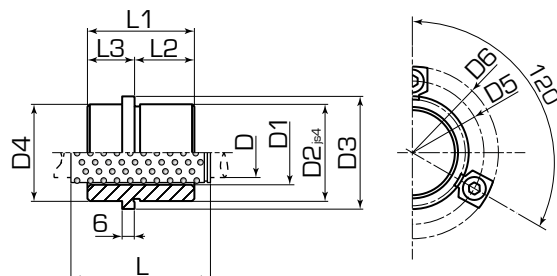
Codice Code	D	D1	D2	L1	L									
					45	50	56	63	71	80	95	120	140	
R0260-04	32	40	48	95									0037	
R0260-04	38	46	58	30	0038									
R0260-04	38	46	58	37		0039								
R0260-04	38	46	58	47				0040						
R0260-04	38	46	58	60						0041				
R0260-04	38	46	58	77							0042			
R0260-04	38	46	58	95								0043		
R0260-04	38	46	58	120									0044	
R0260-04	40	48	58	30	0045									
R0260-04	40	48	58	37		0047								
R0260-04	40	48	58	47				0048						
R0260-04	40	48	58	60						0049				
R0260-04	40	48	58	77							0050			
R0260-04	40	48	58	95								0051		
R0260-04	40	48	58	120									0046	
R0260-04	48	56	70	37		0052								
R0260-04	48	56	70	47				0053						
R0260-04	48	56	70	60						0054				
R0260-04	48	56	70	77							0055			
R0260-04	48	56	70	95								0056		
R0260-04	48	56	70	120									0057	
R0260-04	50	70	80	37		0058								
R0260-04	50	70	80	47				0059						
R0260-04	50	70	80	60						0060				
R0260-04	50	70	80	77							0061			
R0260-04	50	70	80	95								0062		
R0260-04	50	70	80	120									0063	
R0260-04	60	68	85	60							0064			
R0260-04	60	68	85	77							0065			
R0260-04	60	68	85	95								0066		
R0260-04	60	68	85	120									0067	
R0260-04	63	71	85	60							0068			
R0260-04	63	71	85	77							0069			
R0260-04	63	71	85	95								0070		
R0260-04	63	71	85	120									0071	
R0260-04	80	92	105	120										0072

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0261

Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.47  
Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.47



### Descrizione:

Esempio di ordinativo: R0261-04-0001  
Materiale: 1.7131 ≈60 HRC  
Nota: Gabbia a sfera R0273 da ordinare separatamente

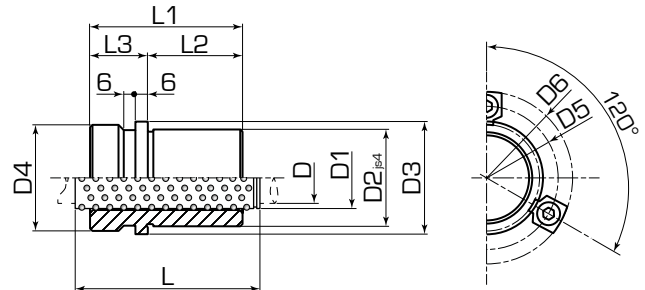
### Description:

Example of purchasing order: R0261-04-0001  
Material: 1.7131 ≈60 HRC  
Note: Ball cage R0273 has to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L					
											45	56	63	80	95	120
R0261-04	19	25	32	40	32	52	64,7	35	23	12	0001					
R0261-04	20	26	32	40	32	52	64,7	35	23	12	0002					
R0261-04	24	30	40	48	40	60	72,7	35	23	12	0003					
R0261-04	25	31	40	48	40	60	72,7	35	23	12	0004					
R0261-04	30	38	48	56	48	67	79,7	42	30	12		0005				
R0261-04	32	40	48	56	48	67	79,7	42	30	12		0006				
R0261-04	38	46	58	66	58	77	89,7	52	37	15			0007			
R0261-04	40	48	58	66	58	77	89,7	52	37	15			0008			
R0261-04	48	56	70	80	70	91	103,7	65	47	18				0009		
R0261-04	50	58	70	80	70	91	103,7	65	47	18				0010		
R0261-04	60	68	85	95	85	106	118,7	80	60	20					0011	
R0261-04	63	71	85	95	85	106	118,7	80	60	20					0012	
R0261-04	80	92	105	118	105	129	141,7	80	60	20						0013

## R0262

Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.49  
Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.49



### Descrizione:

Esempio di ordinativo: **R0262-04-0001**

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: **R0262-04-0001**

Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

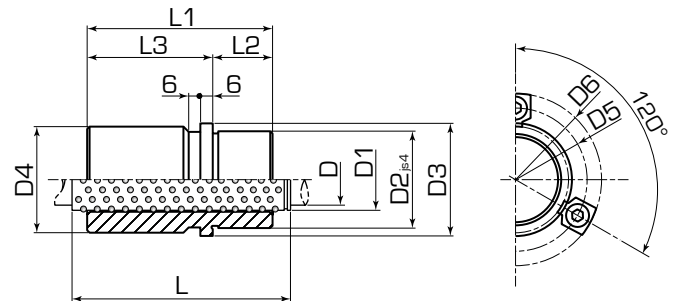
Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L			
											71	80	95	120
R0262-04	24	30	40	48	46	60	72,7	55	30	25	0001			
R0262-04	25	31	40	48	46	60	72,7	55	30	25	0002			
R0262-04	30	38	48	56	53	67	79,7	69	37	32		0003		
R0262-04	32	40	48	56	53	67	79,7	69	37	32		0004		
R0262-04	38	46	58	66	63	77	89,7	79	47	32			0005	
R0262-04	40	48	58	66	63	77	89,7	79	47	32			0006	
R0262-04	48	56	70	80	77	91	103,7	96	60	36				0007
R0262-04	50	58	70	80	77	91	103,7	96	60	36				0008

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard

RANCO

**R0263**

Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.45  
Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.45



**Descrizione:**

Esempio di ordinativo: R0262-04-0001  
Materiale: 1.7131 ≈60 HRC  
Nota: Gabbia a sfera R0273 da ordinare separatamente

**Description:**

Example of purchasing order: R0262-04-0001  
Material: 1.7131 ≈60 HRC  
Note: Ball cage R0273 has to be ordered separately

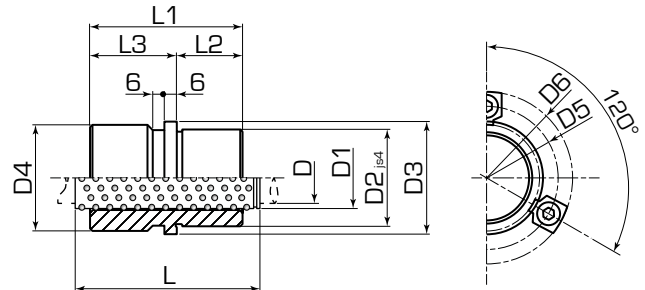
Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L			
											95	120	140	160
R0263-04	24	30	40	48	46	60	72,7	80	30	50	0001			
R0263-04	25	31	40	48	46	60	72,7	80	30	50	0002			
R0263-04	30	38	48	56	53	67	79,7	93	37	56		0003		
R0263-04	32	40	48	56	53	67	79,7	93	37	56		0004		
R0263-04	38	46	58	66	63	77	89,7	110	47	63			0005	
R0263-04	40	48	58	66	63	77	89,7	110	47	63			0006	
R0263-04	48	56	70	80	77	91	103,7	131	60	71				0007
R0263-04	50	58	70	80	77	91	103,7	131	60	71				0008

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0264

Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.46  
Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.46



### Descrizione:

Esempio di ordinativo: **R0264-04-0001**

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: **R0264-04-0001**

Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L					
											56	71	95	105	120	140
R0264-04	19	25	32	40	39	52	64,7	43	23	20	0001					
R0264-04	20	26	32	40	39	52	64,7	43	23	20	0002					
R0264-04	24	30	40	48	46	60	72,7	59	23	36		0003				
R0264-04	25	31	40	48	46	60	72,7	59	23	36		0004				
R0264-04	30	38	48	56	53	67	79,7	75	30	45			0005			
R0264-04	32	40	48	56	53	67	79,7	75	30	45			0006			
R0264-04	38	46	58	66	63	77	89,7	82	37	45				0007		
R0264-04	40	48	58	66	63	77	89,7	82	37	45				0008		
R0264-04	48	56	70	80	77	91	103,7	97	47	50					0009	
R0264-04	50	58	70	80	77	91	103,7	97	47	50					0010	
R0264-04	60	68	85	95	92	106	118,7	116	60	56						0011
R0264-04	63	71	85	95	92	106	118,7	116	60	56						0012
R0264-04	80	92	105	118	115	129	141,7	120	60	60						0013

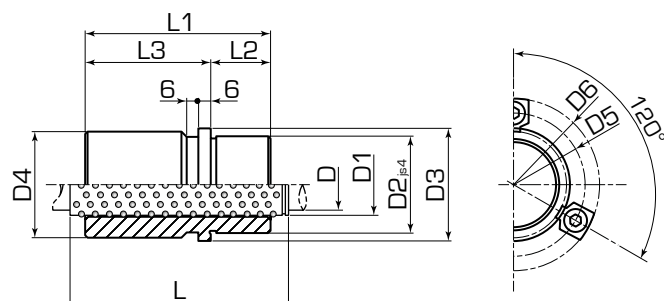


# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0267

Bussola guida estraibile per gabbia a sfere (ISO 9448-7/DIN 9831) - R2081.44  
Demountable ball bearing guide bush (ISO9448-7/DIN9831) - R2081.44



### Descrizione:

Esempio di ordinativo: R0267-04-0001  
Materiale: 1.7131 ≈60 HRC  
Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: R0267-04-0001  
Material: 1.7131 ≈60 HRC  
Note: Ball cage R0273 has to be ordered separately

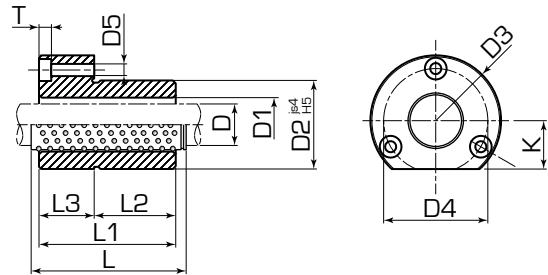
Codice Code	D	D1	D2	D3	D4	D5	D6	L1	L2	L3	L				
											71	95	120	140	160
R0267-04	19	25	32	40	39	52	64,7	59	23	36	0001				
R0267-04	20	26	32	40	39	52	64,7	59	23	36	0002				
R0267-04	24	30	40	48	46	60	72,7	79	23	56		0003			
R0267-04	25	31	40	48	46	60	72,7	79	23	56		0004			
R0267-04	30	38	48	56	53	67	79,7	93	30	63			0005		
R0267-04	32	40	48	56	53	67	79,7	93	30	63			0006		
R0267-04	38	46	58	66	63	77	89,7	108	37	71			0007		
R0267-04	40	48	58	66	63	77	89,7	108	37	71			0008		
R0267-04	48	56	70	80	77	91	103,7	127	47	80				0009	
R0267-04	50	58	70	80	77	91	103,7	127	47	80				0010	
R0267-04	60	68	85	95	92	16	118,7	150	60	90					0011
R0267-04	63	71	85	95	92	16	118,7	150	60	90					0012
R0267-04	80	92	105	118	115	129	141,7	150	60	90					0013

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0265

Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.44  
Flanged ball bearing guide bush (ISO9448-5/DIN9831) - R2091.44



### Descrizione:

Esempio di ordinativo: **R0267-04-0001**

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: **R0267-04-0001**

Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

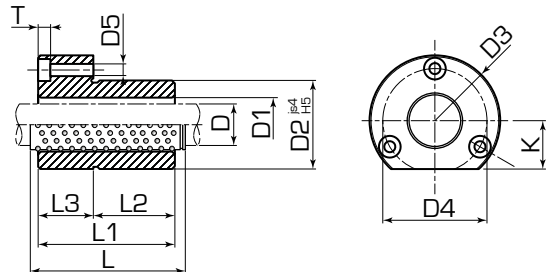
Codice Code	D	D1	D2	D3	D4	D5	K	T	L1	L2	L3	L				
												71	80	95	120	140
R0265-04	19	25	32	50	40	4,5	18	4,6	52	37	15	0001				
R0265-04	20	26	32	50	40	4,5	18	4,6	52	37	15	0002				
R0265-04	24	30	40	63	50	5,5	23	5,7	62	37	25	0003				
R0265-04	25	31	40	63	50	5,5	23	5,7	62	37	25	0004				
R0265-04	30	38	48	72	58	5,5	28	5,7	72	47	25		0005			
R0265-04	32	40	48	72	58	5,5	28	5,7	72	47	25		0006			
R0265-04	38	46	58	85	70	6,6	33	6,8	77	47	30			0007		
R0265-04	40	48	58	85	70	6,6	33	6,8	77	47	30			0008		
R0265-04	48	56	70	104	86	9	38	9	102	60	42				0009	
R0265-04	50	58	70	104	86	9	38	9	102	60	42				0010	
R0265-04	60	68	85	120	100	9	46	9	102	60	42				0011	
R0265-04	63	71	85	120	100	9	46	9	102	60	42				0012	
R0265-04	80	92	105	148	125	11	56	11	125	75	50					0013

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0266

Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.45  
Flanged ball bearing guide bush (ISO9448-5/DIN9831) - 2091.45



### Descrizione:

Esempio di ordinativo: R0266-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: R0266-04-0001

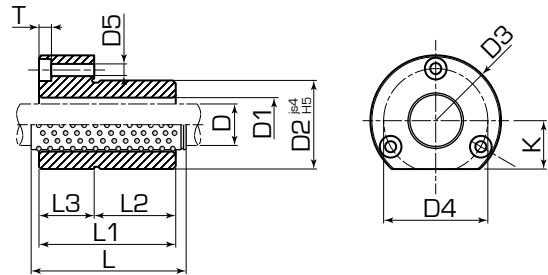
Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

Codice Code	D	D1	D2	D3	D4	D5	K	T	L1	L2	L3	L			
												56	71	80	95
R0266-04	19	25	32	50	40	4,5	18	4,6	45	30	15	0001			
R0266-04	20	26	32	50	40	4,5	18	4,6	45	30	15	0002			
R0266-04	24	30	40	63	50	5,5	23	5,7	55	30	25		0003		
R0266-04	25	31	40	63	50	5,5	23	5,7	55	30	25		0004		
R0266-04	30	38	48	72	58	5,5	28	5,7	62	37	25		0005		
R0266-04	32	40	48	72	58	5,5	28	5,7	62	37	25		0006		
R0266-04	38	46	58	85	70	6,6	33	6,8	67	37	30			0007	
R0266-04	40	48	58	85	70	6,6	33	6,8	67	37	30			0008	
R0266-04	48	56	70	104	86	9	38	9	89	47	42				0009
R0266-04	50	58	70	104	86	9	38	9	89	47	42				0010
R0266-04	60	68	85	120	100	9	46	9	89	47	42				0011
R0266-04	63	71	85	120	100	9	46	9	89	47	42				0012

## R0271

Bussola guida con flangia per gabbia a sfere (ISO 9448-5/DIN 9831) - R2091.46  
Flanged ball bearing guide bush (ISO9448-5/DIN9831) - R2091.46



### Descrizione:

Esempio di ordinativo: R0271-04-0001

Materiale: 1.7131 ≈60 HRC

Nota: Gabbia a sfera R0273 da ordinare separatamente

### Description:

Example of purchasing order: R0271-04-0001

Material: 1.7131 ≈60 HRC

Note: Ball cage R0273 has to be ordered separately

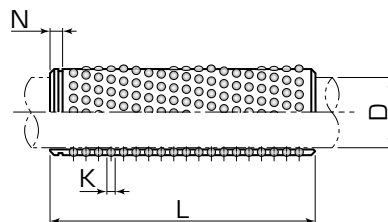
Codice Code	D	D1	D2	D3	D4	D5	K	T	L1	L2	L3	L			
												45	56	63	80
R0271-04	15	21	28	45	35	4,5	15	3,4	29	23	6	0001			
R0271-04	19	25	32	50	40	4,5	18	4,6	38	23	15	0002			
R0271-04	20	26	32	50	40	4,5	18	4,6	38	23	15	0003			
R0271-04	24	30	40	63	50	5,5	23	5,7	38	23	15	0004			
R0271-04	25	31	40	63	50	5,5	23	5,7	38	23	15	0005			
R0271-04	30	38	40	72	58	5,5	28	5,7	45	30	15		0006		
R0271-04	32	40	40	72	58	5,5	28	5,7	45	30	15		0007		
R0271-04	38	46	58	85	70	6,6	33	6,8	55	30	25			0008	
R0271-04	40	48	58	85	70	6,6	33	6,8	55	30	25			0009	
R0271-04	48	56	70	104	86	9	38	9	62	37	25				0010
R0271-04	50	58	70	104	86	9	38	9	62	37	25				0011

# Elementi guida su sfere serie ISO Ball bearing guidings ISO standard



## R0273

Gabbia a sfera - GS  
Ball cage - GS



### Descrizione:

Esempio di ordinativo: R0273-04-0001

Materiale:

Gabbia: Ottone

Sfera: Acciaio INOX

### Description:

Example of purchasing order: R0273-04-0001

Material:

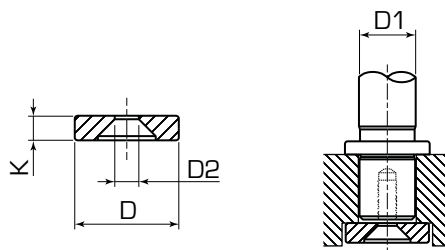
Cage: Brass

Ball: Stainless Steel

Codice Code	D	K	N	L																			
				24	28	31	40	45	50	56	63	71	75	80	95	105	120	140	160	180	200	240	
R0273-04	8	1.5	0				0001																
R0273-04	10	2	2.2				0002			0003													
R0273-04	11	2	2.2				0004			0005													
R0273-04	12	2	2.2				0006			0007													
R0273-04	15	3	2.9					0008		0009	0010	0011											
R0273-04	16	3	2.9	0012	0013			0014		0015	0016	0017											
R0273-04	18	3	2.9					0143		0144		0145											
R0273-04	19	3	2.9			0018		0019		0020		0021		0022	0023								
R0273-04	20	3	2.9	0024	0025	0026		0027		0028		0029		0030	0031								
R0273-04	24	3	2.9			0032	0033	0034		0035		0036		0037	0038	0147	0039						
R0273-04	25	3	3.2			0040	0041	0042		0043		0044		0045	0046	0140	0047						
R0273-04	30	4	3.95				0048	0049	0050	0051		0052	0146	0053	0054	0055	0056	0057	0058				
R0273-04	32	4	3.95				0059	0060	0061	0062		0063	0142	0064	0065	0066	0067	0068	0069				
R0273-04	38	4	3.95					0070	0071	0072	0073			0074	0075	0076	0077	0078	0079	0080	0081	0082	
R0273-04	40	4	3.95					0083	0084	0085	0086			0087	0088	0089	0090	0091	0092	0093	0094	0095	
R0273-04	48	4	4.25						0096		0097			0098	0099	0100	0101	0102	0103	0104	0105	0106	
R0273-04	50	4	4.25						0107		0108			0109	0110	0111	0112	0113	0114	0115	0116	0117	
R0273-04	60	4	4.75												0118	0119	0120	0121	0122	0123	0124	0125	
R0273-04	63	4	4.75												0126	0127	0128	0129	0130	0131	0132	0133	
R0273-04	80	6	6.15														0134	0135	0136	0137	0138	0139	

## R0236

Rondella per colonna estraibile - RTE  
Washer for demountable pillar - RTE



**Descrizione:**

Esempio di ordinativo: **R0236-04-0001**  
Materiale: Acciaio UNI 16 Cr Ni 4 ≈60 HRC

**Description:**

Example of purchasing order: **R0236-04-0001**  
Material: Steel UNI 16 Cr Ni 4 ≈60 HRC

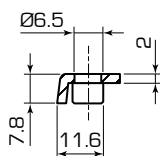
Codice Code	D	D2	K	D1												
				18	19	24	25	30	32	40	42	50	52	63	80	
R0236-04	25	9	6	0001	0002											
R0236-04	32	11	7			0003	0004									
R0236-04	40	11	7					0005	0006							
R0236-04	50	13	9							0007	0008					
R0236-04	62	13	9									0009	0010			
R0236-04	73	13	9											0011		
R0236-04	93	13	12													0012

## R0237

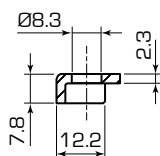
Staffetta di ritegno - STAFF  
Retaining clamp - STAFF



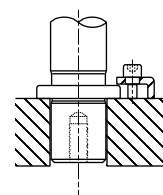
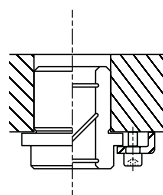
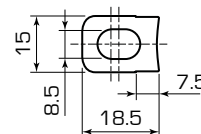
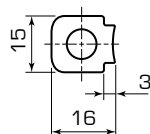
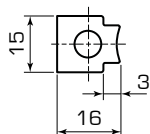
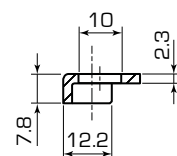
R0237-04-0002



R0237-04-0003



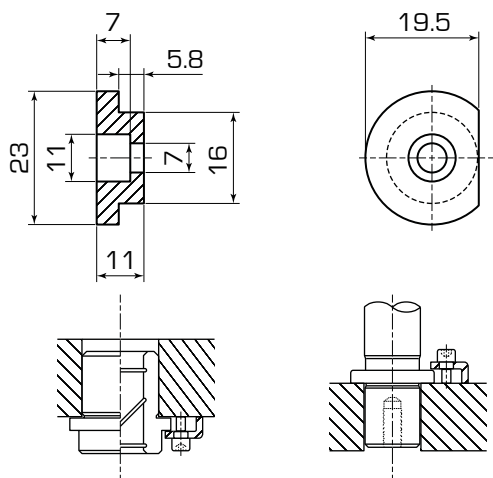
R0237-04-0001



Codice Code	M
R0237-04-0001	A8
R0237-04-0002	6
R0237-04-0003	8

**R0715**

Staffetta di ritegno ISO  
Retaining clamp ISO

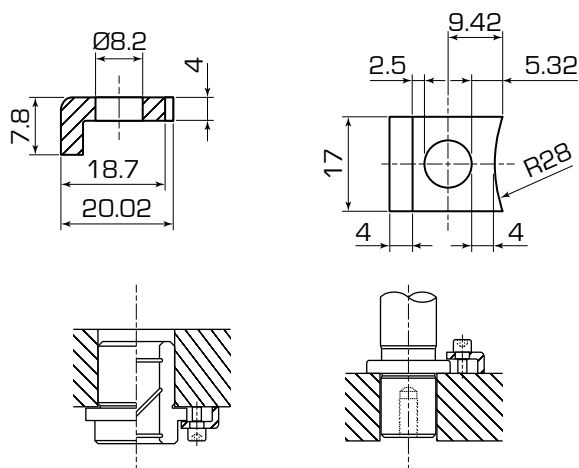


Codice  
Code

R0715-04-0001

**R0613**

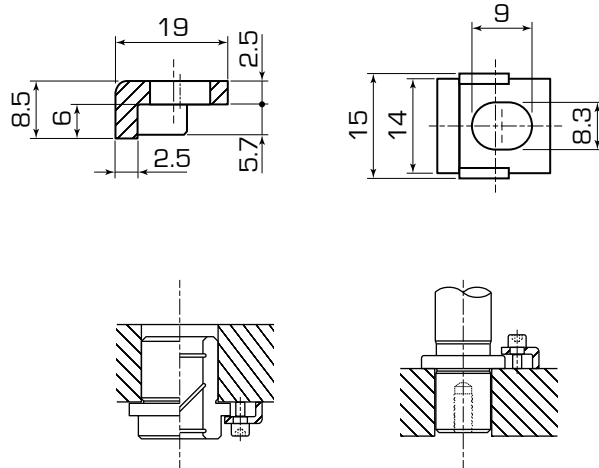
Staffetta di ritegno pesante ISO - STAFFIS08P  
Reinforced retaining clamp ISO - STAFFIS08P



Codice  
Code

R0613-04-0001

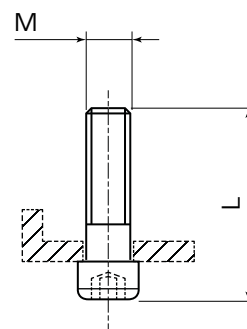
**R0238** Staffetta di ritegno ISO - STAFFISO8  
Retaining clamp ISO - STAFFISO



Codice  
Code

R0238-04-0001

**R0239** Vite per staffette - STAFFVITE  
Screw for clamps - STAFFVITE



Codice Code	M	L
R0239-04-0001	6	15
R0239-04-0002	8	20



# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

**MOLLE ISO10243 - ELASTOMERO**  
**SPRINGS ISO10243 - ELASTOMER**



**RANCO** 





# INDICE INDEX

















## MOLLE A TAZZA BELLEVILLE SPRING WASHER

R0573		Molla a tazza Belleville washer	5
-------	---	------------------------------------	---

## MOLLE NORMALIZZATE PER STAMPI ISO 10243 STANDARD DIE SPRINGS ISO 10243

R0503		Molla carichi extra leggeri - Viola ISO10243 - CXL Extra light duty spring - Purple ISO10243 - CXL	7
R0274		Molla carichi leggeri - Verde ISO10243 - CL Light duty spring - Green ISO10243 - CL	9
R0275		Molla carichi medi - Blu ISO10243 - CM Medium duty spring - Blue ISO10243 - CM	12
R0276		Molla carichi forti - Rosso ISO10243 - CF Heavy duty spring - Red ISO10243 - CF	15
R0277		Molla carichi extra forti - Giallo ISO10243 - CXF Extra heavy duty spring - Yellow ISO10243 - CXF	18

## MOLLEGGIANTI IN ELASTOMERO POLIURETANICO POLYURETHANE ELASTOMER SPRINGS

R0280		Molla elastomero forata - MF Elastomer hollow spring - MF	28
R0282		Colonnina guida DIN9835 per molle elastomero - MPC Guide pillar for elastomer springs DIN9835 - MPC	30
R0278		Barra elastomero forata - BF Elastomer hollow round rod - BF	31
R0279		Barra elastomero piena - BP Elastomer round rod - BP	32
R0283		Sedi metalliche Metal seats	33
R0284		Puntalini elastomero cilindrici - U92-PU Elastomer cylindrical push-rod - U92-PU	33
R0614		Puntalini elastomero conici - U92-PU Elastomer compression pad - U92PU	34
R0615		Mazzuoli - U92-MZ Elastomer mallets - U92- MZ	34
R0285		Listelli elastomero - LI Elastomer plate - LI	35
R0286		Lastre elastomero - LA Elastomer sheet - LA	36
R0616		Lastre centrifugate - LA Elastomer sheet - LA	37
R0287		Estrattori elastomero per punzonatrice - U92-ES Elastomer extractors for punching press - U92-ES	37
R0617		Cuscini elastomero pieni per pressa piegatrice - U92-LI Elastomer pads for press brake - U92-LI	38
R0618		Cuscini elastomero cavi per pressa piegatrice - U92-LF Elastomer hollow pads for press brake - U92-LF	38
R0619		Cuscini elastomero triangolari per pressa piegatrice - U92-LT Elastomer triangular pads for press brake - U92-LT	38
R0281		Manicotti elastomero - MA Elastomer sleeves - MA	39

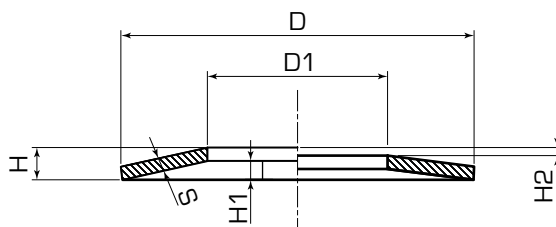


# Molle a tazza Belleville spring washer



## R0573

Molla a tazza  
Belleville washer



### Descrizione:

Materiale: 50 Cr V4  
Temperatura max. di esercizio: 300° C

### Description:

Material: 50 Cr V4  
Max. work temperature: 300° C

Codice Code	D	D1	S	H	H1	H2 = 0,25 x H1		H2 = 0,5 x H1		H2 = 0,75 x H1	
						H2	F N	H2	F N	H2	F N
R0573-05-0001	8	3,2	0,4	0,60	0,2	0,05	69,2	0,1	130,1	0,15	185,5
R0573-05-0002	8	4,2	0,4	0,60	0,2	0,05	78,2	0,1	147	0,15	209,5
R0573-05-0003	10	5,2	0,4	0,70	0,3	0,075	87,8	0,15	155,3	0,225	209,3
R0573-05-0004	10	5,2	0,5	0,75	0,25	0,062	121,5	0,125	228,3	0,187	325,3
R0573-05-0005	12	5,2	0,5	0,90	0,4	0,1	150	0,2	262	0,75	349
R0573-05-0006	12	6,2	0,5	0,85	0,35	0,087	133,5	0,175	239,2	0,262	326,4
R0573-05-0007	12,5	6,2	0,7	1,00	0,3	0,075	239,4	0,15	456,8	0,225	659,5
R0573-05-0008	14	7,2	0,8	1,10	0,3	0,075	283,8	0,15	547,2	0,225	796,8
R0573-05-0009	15	5,2	0,7	1,25	0,55	0,137	340,2	0,275	596,4	0,412	796,5
R0573-05-0010	15	6,2	0,6	1,05	0,45	0,1	179	0,2	315	0,3	423
R0573-05-0011	16	8,2	0,6	1,05	0,45	0,112	172	0,225	304,3	0,337	410
R0573-05-0012	16	8,2	0,9	1,25	0,35	0,087	362,5	0,175	697	0,262	1013
R0573-05-0013	18	9,2	1	1,40	0,4	0,1	450,6	0,2	865	0,3	1254
R0573-05-0014	20	10,2	0,8	1,35	0,55	0,137	304,3	0,275	546,8	0,412	748,2
R0573-05-0015	20	10,2	0,9	1,45	0,55	0,137	411,7	0,275	754	0,412	1050
R0573-05-0016	20	10,2	1	1,55	0,55	0,137	543,6	0,275	1010	0,412	1425
R0573-05-0017	20	10,2	1,1	1,55	0,45	0,112	548,2	0,225	1050	0,337	1521
R0573-05-0018	23	12,2	1,25	1,85	0,6	0,15	863,4	0,3	1630	0,45	2331
R0573-05-0019	25	12,2	0,9	1,60	0,7	0,175	366,8	0,35	644,3	0,525	862,3
R0573-05-0020	25	12,2	1,5	2,05	0,55	0,137	1040	0,275	2007	0,412	2926
R0573-05-0021	28	14,2	1	1,80	0,8	0,2	476,4	0,4	832	0,6	1107
R0573-05-0022	28	14,2	1,5	2,15	0,65	0,162	1033	0,325	1970	0,487	2841
R0573-05-0023	31,5	16,3	1,25	2,15	0,9	0,225	790,5	0,45	1409	0,675	1913
R0573-05-0024	31,5	16,3	1,75	2,45	0,7	0,175	1391	0,35	2669	0,525	3871
R0573-05-0025	34	12,3	1,25	2,45	1,2	0,3	946,4	0,6	1587	0,9	2024
R0573-05-0026	35,5	18,3	2	2,80	0,8	0,2	1864	0,4	3576	0,6	5187
R0573-05-0027	35,5	18,3	1,25	2,25	1	0,25	730	0,5	1280	0,75	1698
R0573-05-0028	40	14,3	1,5	2,80	1,3	0,325	1188	0,65	2040	0,975	2668
R0573-05-0029	40	20,4	2,25	3,15	0,9	0,225	2336	0,45	4481	0,675	6500
R0573-05-0030	45	22,4	2,5	3,50	1,0	0,25	2773	0,5	5320	0,75	7716
R0573-05-0031	50	18,4	1,5	3,15	1,65	0,412	1166	0,825	1890	1,237	2319
R0573-05-0032	50	25,4	2,5	3,90	1,4	0,35	3473	0,7	6437	1,05	9063
R0573-05-0033	50	25,4	3	4,10	1,1	0,275	4255	0,55	8214	0,825	11976
R0573-05-0034	56	28,5	2	3,60	1,6	0,4	1910	0,8	3335	1,2	4438
R0573-05-0035	60	20,5	2	4,20	2,2	0,55	2528	1,1	4097	1,65	5026
R0573-05-0036	70	30,5	2,5	4,90	2,4	0,6	3755	1,2	6297	1,8	8031
R0573-05-0037	80	36	3	5,70	2,7	0,675	5401	1,35	9196	2,025	11919

# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### Materiale:

è usato esclusivamente acciaio al cromo-vanadio, indubbiamente il meglio che può offrire la moderna tecnologia degli acciai per molle.

### Progettazione:

la sezione della molla è realizzata in modo tale che dopo l'avvolgimento si presenti di forma rettangolare (e non trapezoidale) con i bordi arrotondati. Si ottengono così le massime prestazioni, unitamente ad un basso livello di sollecitazione del materiale.

Inoltre la particolare conformazione dei bordi, aumenta ulteriormente la capacità di resistenza a fatica della molla.

### Trattamenti termici e superficiali:

realizzati con i più moderni impianti, garantiscono una struttura del materiale corretta e caratteristiche costanti su tutto l'arco della produzione.

Il trattamento superficiale di pallinatura, migliora la superficie e la durata a fatica della molla.

### Material:

We only use chrome-vanadium steel, undoubtedly the best that the modern technology for springs can offer.

### Design:

The spring section is realised to appear in rectangular (not trapezoidal) shape after the winding with smoothed edges; this way we grant the highest performances, together with a low grade of material wearing.

The particular shape of the edges furtherly increases the resistance of the spring to wearing.

### Thermal and surface treatments:

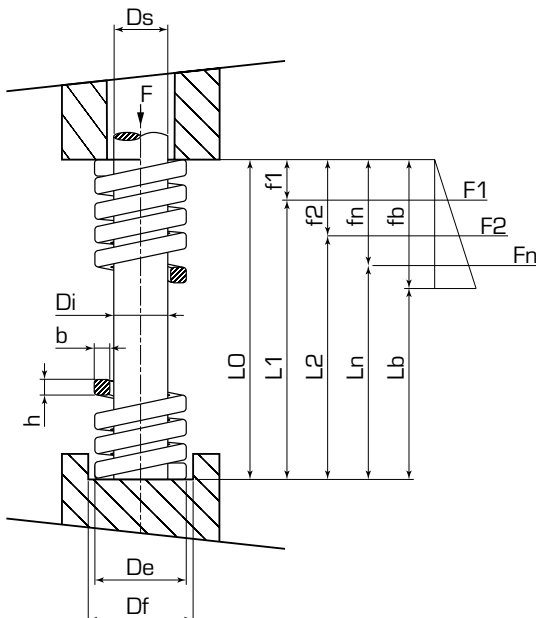
Manufactured with the most advanced plants, they grant a correct structure of the materials and steady characteristics over the whole manufacturing phase. The surface treatment increases both the surface and the resistance of the spring.

Schema e simboli della molla	
<b>De (mm)</b>	Diametro esterno della molla
<b>Di (mm)</b>	Diametro interno della molla
<b>Df (mm)</b>	Diametro del foro entro il quale può lavorare liberamente la molla
<b>Ds (mm)</b>	Diametro della spina sulla quale può lavorare liberamente la molla
<b>Lo (mm)</b>	Lunghezza libera (lunghezza della molla, non sottoposta ad alcuna forza esterna o carico)
<b>L1, L2, Ln (mm)</b>	Lunghezza della molla, misurare lungo l'asse, sottoposta ai carichi F1, F2, Fn
<b>Lb (mm)</b>	Lunghezza a blocco (lunghezza minima della molla con tutte le spire a contatto)
<b>f1, f2, fn (mm)</b>	Freccie (differenze tra Lo e L1, L2, Ln)
<b>b (mm)</b>	Base (lato del filo misurato perpendicolarmente all'asse della molla)
<b>h (mm)</b>	Altezza (lato del filo misurato parallelamente all'asse della molla)
<b>Rg (Kg-mm)</b>	Rigidità (variazione $\Delta F = F_2 - F_1$ del carico F sopportato dalla molla, e che ne provoca la variazione unitaria della lunghezza $\Delta L = L_2 - L_1$ ovvero della freccia $\Delta f = f_2 - f_1$ . $RG = \Delta F / \Delta L \quad \Delta F / \Delta f$ (Kg/mm)

Diagram and symbols of the spring	
<b>De (mm)</b>	External diameter of the spring
<b>Di (mm)</b>	Internal diameter of the spring
<b>Df (mm)</b>	Diameter of the hole inside which the spring can freely operate
<b>Ds (mm)</b>	Diameter of the plug inside which the spring can freely operate
<b>Lo (mm)</b>	Free length (length of the spring not submitted to external pressure or charge)
<b>L1, L2, Ln (mm)</b>	Length of the spring, measure along the axis, submitted to F1, F2, FN charges
<b>Lb (mm)</b>	Block length (minimal length of the spring when all the coils are in touch)
<b>f1, f2, fn (mm)</b>	Arrows (differences between Lo and L1, L2, Ln)
<b>b (mm)</b>	Base (wire side measured in perpendicular to the spring axis)
<b>h (mm)</b>	Height (wire side measured in parallel to the spring axis)
<b>Rg (Kg-mm)</b>	Rigidity (DF variation = $F_2 - F_1$ of the F charge borne by the spring, it determines the unitary variation of the length $\Delta L = L_2 - L_1$ , of the arrow $\Delta f = f_2 - f_1$ . $RG = \Delta F / \Delta L \quad \Delta F / \Delta f$ (Kg/mm)

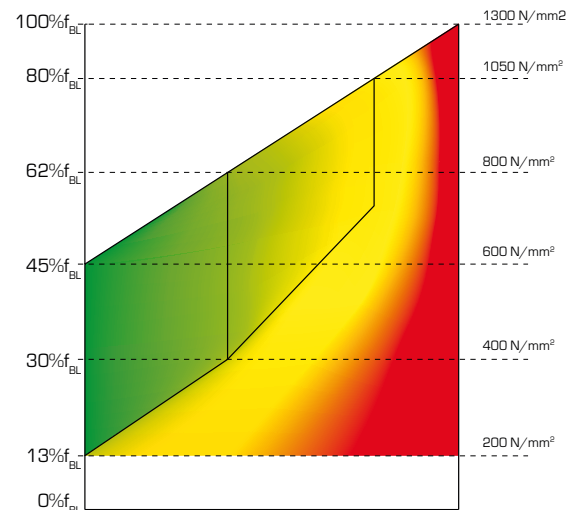
### CAMPO OTTIMALE DI LAVORO PER DURATA A FATICA

Simboli della molla - Symbols of the spring



### OPERATION RANGE FOR LONG RUN WORKS

Schema della molla - Diagrams of the spring



Elevata resistenza a fatica

Rotture precoci

High fatigue strength

Early failure

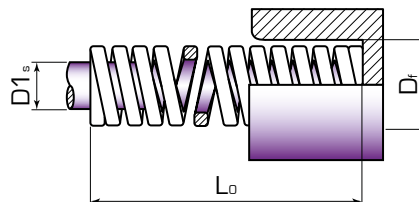
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0503

Molla carichi extra leggeri - Viola ISO10243 - CXL  
Extra light duty spring - Purple ISO10243 - CXL



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Viola

#### Description:

Material: Chrome-vanadium steel  
Colour: Purple

Codice Code	Df	D1s	LO	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fbl (bl)		Freccia a carico Deflec. and Load 30% fbl (bl)		Freccia a carico Deflec. and Load 45% fbl (bl)		Freccia a carico Deflec. and Load 62% fbl (bl)		Freccia a carico Deflec. and Load 80% fbl (bl)		pck
					Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	
R0503-05-0001	20	10	25	32.1	11	14	1.8	58	4.2	135	6.3	202	8.7	279	11.2	360	100
R0503-05-0002			32	24.7	14	18	2.3	57	5.4	133	8.1	200	11.2	277	14.4	356	100
R0503-05-0003			38	20.7	16	22	2.9	60	6.6	137	9.9	205	13.6	282	17.6	364	100
R0503-05-0004			44	17.8	18	26	3.4	61	7.8	139	11.7	208	16.1	287	20.8	370	100
R0503-05-0005			51	15.3	21	30	3.9	60	9	138	13.5	207	18.6	285	24	367	100
R0503-05-0006			64	12.1	26	38	4.9	59	11.4	138	17.1	207	23.6	286	30.4	368	100
R0503-05-0007			76	10.2	31	45	5.9	60	13.5	138	20.3	207	27.9	285	36	367	100
R0503-05-0008			89	8.6	36	53	6.9	59	15.9	137	23.9	206	32.9	283	42.4	365	50
R0503-05-0009			102	7.5	40	62	8.1	61	18.6	140	27.9	209	38.9	288	49.6	372	50
R0503-05-0010			115	6.4	45	70	9.1	61	21	141	31.5	211	43.4	291	56	375	50
R0503-05-0011			127	6.1	50	77	10	61	23.1	141	34.7	212	47.7	291	61.6	376	50
R0503-05-0012			139	5.5	54	85	11.1	61	25.5	140	38.3	211	52.7	290	68	374	50
R0503-05-0013			152	5.1	59	93	12.1	62	27.9	142	41.9	214	57.7	294	74.4	379	50
R0503-05-0014			305	2.5	117	188	24.4	61	56.4	141	84.6	212	116.6	292	150.4	376	10
R0503-05-0015	25	12.5	25	52.7	11	14	1.8	95	4.2	221	6.3	332	8.7	458	11.2	360	100
R0503-05-0016			32	40	14	18	2.3	92	5.4	216	8.1	324	11.2	448	14.4	576	100
R0503-05-0017			38	33.3	16	22	2.9	97	6.6	220	9.9	330	13.6	453	17.6	586	100
R0503-05-0018			44	28.6	19	25	3.3	94	7.5	215	11.3	323	15.5	443	20	572	100
R0503-05-0019			51	24.7	21	30	3.9	96	9	222	13.5	333	18.6	459	24	593	100
R0503-05-0020			64	19.4	26	38	4.9	95	11.4	221	17.1	332	23.6	458	30.4	590	100
R0503-05-0021			76	16.3	31	45	5.9	96	13.5	220	20.3	331	27.9	455	36	587	50
R0503-05-0022			89	13.9	36	53	6.9	96	15.9	221	23.9	332	32.9	457	42.4	589	50
R0503-05-0023			102	12.1	41	61	7.9	96	18.3	221	27.5	333	37.8	457	48.8	590	50
R0503-05-0024			115	10.8	45	70	9.1	98	21	227	31.5	340	43.4	469	56	605	25
R0503-05-0025			127	9.8	50	77	10	98	23.1	226	34.7	340	47.7	467	61.6	604	25
R0503-05-0026			139	8.9	54	85	11.1	99	25.5	227	38.3	341	52.7	469	68	605	25
R0503-05-0027			152	8.1	59	93	12.1	98	27.9	226	41.9	339	57.7	467	74.4	603	20
R0503-05-0028			178	6.9	69	109	14.2	98	32.7	226	49.1	339	67.6	466	87.2	602	20
R0503-05-0029	203	6.1	79	124	16.1	98	37.2	227	55.8	340	76.9	469	99.2	605	20		
R0503-05-0030	305	4	117	188	24.4	98	56.4	226	84.6	338	116.6	466	150.4	602	5		
R0503-05-0031	32	16	38	43.8	16	22	2.9	127	6.6	289	9.9	434	13.6	596	17.6	771	50
R0503-05-0032			44	37.5	18	26	3.4	128	7.8	293	11.7	439	16.1	604	20.8	780	50
R0503-05-0033			51	32.3	20	31	4	129	9.3	300	14	452	19.2	620	24.8	801	50
R0503-05-0034			64	25.4	25	39	5.1	130	11.7	297	17.6	447	24.2	615	31.2	792	50
R0503-05-0035			76	21.3	29	47	6.1	130	14.1	300	21.2	452	29.1	620	37.6	801	25
R0503-05-0036			89	18.1	33	56	7.3	132	16.8	304	25.2	456	34.7	628	44.8	811	25
R0503-05-0037			102	15.8	38	64	8.3	131	19.2	303	28.8	455	39.7	627	51.2	809	25



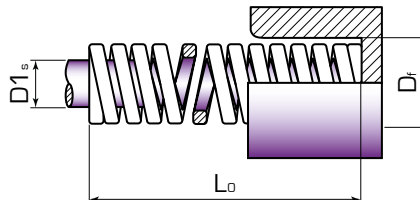
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0503

Molla carichi extra leggeri - Viola ISO10243 - CXL  
Extra light duty spring - Purple ISO10243 - CXL



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Viola

#### Description:

Material: Chrome-vanadium steel  
Colour: Purple

Codice Code	Df		D1s		L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)		pck
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm			fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	mm	
R0503-05-0038	32	16	115	13.9	42	73	9.5	132	21.9	304	32.9	457	45.3	630	58.4	812	20		
R0503-05-0039			127	12.6	46	81	10.5	132	24.3	306	36.5	460	50.2	633	64.8	816	20		
R0503-05-0040			139	11.4	50	89	11.6	132	26.7	304	40.1	457	55.2	629	71.2	812	10		
R0503-05-0041			152	10.5	55	97	12.6	132	29.1	306	43.7	459	60.1	631	77.6	815	10		
R0503-05-0042			178	8.9	64	114	14.8	132	34.2	304	51.3	457	70.7	629	91.2	812	10		
R0503-05-0043			203	7.8	72	131	17	133	39.3	307	59	460	81.2	633	104.8	817	10		
R0503-05-0044			254	6.2	91	163	21.2	131	48.9	303	73.4	455	101.2	627	130.4	808	5		
R0503-05-0045			305	5.2	108	197	25.6	133	59.1	307	88.7	461	122.1	635	157.6	820	5		
R0503-05-0046	40	20	51	50.8	25	26	3.4	173	7.8	396	11.7	594	16.1	818	20.8	1057	25		
R0503-05-0047			64	32.7	30	34	4.4	175	10.2	405	15.3	607	21.1	938	27.2	1080	25		
R0503-05-0048			76	33.1	36	40	5.2	172	12	397	18	596	24.8	821	32	1059	25		
R0503-05-0049			89	28.1	41	48	6.2	174	14.4	405	21.6	607	29.8	837	38.4	1079	25		
R0503-05-0050			102	24.5	47	55	7.2	176	16.5	404	24.8	608	34.1	835	44	1078	20		
R0503-05-0051			115	21.6	52	63	8.2	177	18.9	408	28.4	613	39.1	845	50.4	1089	20		
R0503-05-0052			127	19.5	57	70	9.1	177	21	410	31.5	614	43.4	846	56	1092	10		
R0503-05-0053			139	17.8	63	76	9.9	175	22.8	406	34.2	609	47.1	838	60.8	1082	10		
R0503-05-0054			152	16.3	68	84	10.9	178	25.2	411	37.8	616	52.1	849	67.2	1095	10		
R0503-05-0055			178	13.8	79	99	12.9	178	29.7	410	44.6	615	61.4	847	79.2	1093	5		
R0503-05-0056			203	12.1	90	113	14.7	178	33.9	410	50.9	616	70.1	848	90.4	1094	5		
R0503-05-0057			254	9.7	112	142	18.5	179	42.6	413	63.9	620	88	854	113.6	1102	5		
R0503-05-0058	305	8	134	171	22.2	178	51.3	410	77	616	106	848	136.8	1094	5				
R0503-05-0059	50	25	64	80.2	27	37	4.8	385	11.1	890	16.7	1339	22.9	1837	29.6	2374	10		
R0503-05-0060			76	66.9	31	45	5.9	395	13.5	903	20.3	1358	27.9	1867	36	2408	10		
R0503-05-0061			89	56.6	36	53	6.9	391	15.9	900	23.9	1353	32.9	1862	42.4	2400	10		
R0503-05-0062			102	49.3	40	62	8.1	399	18.6	917	27.9	1375	38.4	1893	49.6	2445	10		
R0503-05-0063			115	43.5	45	70	9.1	396	21	914	31.5	1370	43.4	1888	56	2436	4		
R0503-05-0064			127	39.3	49	78	10.1	397	23.4	920	35.1	1379	48.4	1902	62.4	2454	4		
R0503-05-0065			139	35.8	54	85	11.1	397	25.5	913	38.3	1371	52.7	1887	68	2434	4		
R0503-05-0066			152	32.8	58	94	12.2	400	28.2	925	42.3	1387	58.3	1912	75.2	2467	4		
R0503-05-0067			178	27.8	68	110	14.3	398	33	917	49.5	1376	68.2	1896	88	2446	4		
R0503-05-0068			203	24.2	77	126	16.4	397	37.8	915	56.7	1372	78.1	1890	100.8	2439	4		
R0503-05-0069			254	19.2	95	159	20.7	397	47.7	916	71.6	1375	98.6	1893	127.2	2442	4		
R0503-05-0070			305	16	113	192	25	400	57.6	922	86.4	1382	119	1904	153.6	2458	4		

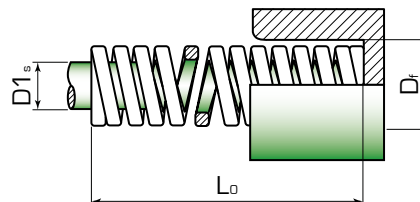
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0274

Molla carichi leggeri - Verde ISO10243 - CL  
Light duty spring - Green ISO10243 - CL



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Verde

#### Description:

Material: Chrome-vanadium steel  
Colour: Green

Codice Code	Df	D1s	LO	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl mm	flb mm	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm													
R0274-05-0001	10	5	25	10	12	13	1.7	17	3.9	39	5.8	58	8	80	10.3	103
R0274-05-0002			32	8.5	16	16	2.1	18	4.9	42	7.4	63	10.2	86	13.1	111
R0274-05-0003			38	6.8	18	20	2.5	17	5.9	40	8.8	60	12.1	82	15.6	106
R0274-05-0004			44	6	21	23	2.9	18	6.8	41	10.1	61	14	84	18	108
R0274-05-0005			51	5	25	26	3.4	17	7.8	39	11.8	59	16.2	81	20.9	105
R0274-05-0006			64	4.3	31	33	4.2	18	9.8	42	14.6	63	20.2	87	26	112
R0274-05-0007			76	3.2	37	39	5.1	16	11.7	37	17.6	56	24.2	77	31.2	100
R0274-05-0008			305	1.1	149	156	20.3	22	46.9	52	70.3	77	96.9	107	125	138
R0274-05-0009			25	17.9	12	13	1.7	30	3.9	69	5.8	104	8	143	10.3	184
R0274-05-0010	32	16.4	16	16	2.1	35	4.9	81	7.4	121	10.2	167	13.1	215		
R0274-05-0011	38	13.6	18	20	2.5	34	5.9	80	8.8	119	12.1	164	15.6	212		
R0274-05-0012	44	12.1	21	23	2.9	35	6.8	82	10.1	123	14	169	18	218		
R0274-05-0013	51	11.4	25	26	3.4	39	7.8	89	11.8	134	16.2	185	20.9	238		
R0274-05-0014	64	9.3	31	33	4.3	40	9.9	92	14.8	138	20.4	190	26.3	245		
R0274-05-0015	76	7.1	37	39	5.1	36	11.7	83	17.6	125	24.2	172	31.2	222		
R0274-05-0016	89	5.4	43	46	5.9	32	13.7	74	20.5	111	28.3	153	36.5	197		
R0274-05-0017	102	4.1	51	51	7	27	15	63	23	94	32	130	41	167		
R0274-05-0018	305	1.4	149	156	20.3	28	46.9	66	70.3	98	96.9	136	125	175		
R0274-05-0019	25	23.4	12	13	1.7	39	3.9	90	5.8	136	8	187	10.3	241		
R0274-05-0020	32	22.9	16	16	2.1	49	4.9	112	7.4	169	10.2	232	13.1	300		
R0274-05-0021	38	19.3	18	20	2.5	49	5.9	113	8.8	169	12.1	233	15.6	301		
R0274-05-0022	44	17.1	21	23	2.9	50	6.8	115	10.1	173	14	239	18	308		
R0274-05-0023	51	15.7	25	26	3.4	53	7.8	123	11.8	185	16.2	254	20.9	328		
R0274-05-0024	64	10.7	31	33	4.3	46	9.9	106	14.8	158	20.4	218	26.3	281		
R0274-05-0025	76	10	37	39	5.1	51	11.7	117	17.6	176	24.2	242	31.2	312		
R0274-05-0026	89	8.6	43	46	5.9	51	13.7	118	20.5	177	28.3	243	36.5	314		
R0274-05-0027	102	7.8	50	52	6.8	53	15.7	122	23.5	183	32.4	253	41.8	326		
R0274-05-0028	115	6.6	57	58	7	49	17	113	26	169	35	233	46	301		
R0274-05-0029	305	2.5	149	156	20.3	51	46.9	117	70.3	176	96.9	242	125	313		
R0274-05-0030	25	55.8	12	13	1.7	92	3.8	213	5.7	320	7.9	441	10.2	569		
R0274-05-0031	32	45	16	16	2	91	4.7	211	7	316	9.7	436	12.5	563		
R0274-05-0032	38	33.3	19	19	2.4	81	5.6	187	8.4	281	11.6	387	15	500		
R0274-05-0033	44	30	22	22	2.9	86	6.6	198	9.9	297	13.6	409	18	540		
R0274-05-0034	51	24.5	26	25	3.3	80	7.5	184	11.3	276	15.5	380	20	490		
R0274-05-0035	64	20	33	31	4.1	81	9.4	188	14.1	281	19.4	388	25	500		
R0274-05-0036	76	16	39	37	4.8	77	11.1	178	16.7	266	22.9	367	30	480		
R0274-05-0037	89	14	45	44	5.7	80	13.1	184	19.7	276	27.1	380	35	490		

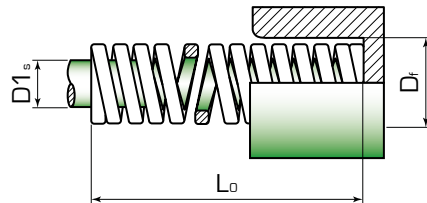
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0274

Molla carichi leggeri - Verde ISO10243 - CL  
Light duty spring - Green ISO10243 - CL



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Verde

#### Description:

Material: Chrome-vanadium steel  
Colour: Green

Codice Code	Df		D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fib (bl)		Freccia a carico Deflec. and Load 30% fib (bl)		Freccia a carico Deflec. and Load 45% fib (bl)		Freccia a carico Deflec. and Load 62% fib (bl)		Freccia a carico Deflec. and Load 80% fib (bl)		
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm		fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	mm	N
R0274-05-0038	20	10	102	12	51	51	6.7	80	15.4	185	23.1	277	31.8	381	41	492		
R0274-05-0039			115	10.9	58	58	7.5	81	17.3	188	25.9	282	35.7	389	46	501		
R0274-05-0040			127	9.5	63	64	8.3	79	19.1	182	28.7	273	39.5	375	51	485		
R0274-05-0041			139	8.4	69	70	9.1	76	21	176	31.5	265	43.4	365	56	470		
R0274-05-0042			152	7.5	76	76	9.9	74	22.9	172	34.3	257	47.3	355	61	458		
R0274-05-0043			305	4	152	153	19.8	79	45.8	183	68.6	275	94.6	378	122	488		
R0274-05-0044	25	12.5	25	100	12	13	1.7	166	3.8	383	5.7	574	7.9	791	10.2	1020		
R0274-05-0045			32	80.3	16	16	2	163	4.7	376	7	565	9.7	778	12.5	1004		
R0274-05-0046			38	62	19	19	2.4	151	5.6	349	8.4	523	11.6	721	15	930		
R0274-05-0047			44	52.9	22	22	2.9	151	6.6	349	9.9	524	13.6	722	18	952		
R0274-05-0048			51	44	26	25	3.3	143	7.5	330	11.3	495	15.5	682	20	880		
R0274-05-0049			64	32.5	33	31	4.1	143	9.4	330	14.1	495	19.4	682	25	880		
R0274-05-0050			76	28	39	37	4.8	135	11.1	311	16.7	466	22.9	642	30	840		
R0274-05-0051			89	24	45	44	5.7	137	13.1	315	19.7	473	27.1	651	35	840		
R0274-05-0052			102	21.1	51	51	6.7	141	15.4	324	23.1	487	31.8	670	41	865		
R0274-05-0053			115	18.7	58	58	7.5	140	17.3	323	25.9	484	35.7	667	46	860		
R0274-05-0054			127	16.7	63	64	8.3	138	19.1	319	28.7	479	39.5	660	51	852		
R0274-05-0055			139	15.3	69	70	9.1	139	21	321	31.5	482	43.4	664	56	857		
R0274-05-0056			152	14	76	76	9.9	139	22.9	320	34.3	480	47.3	662	61	854		
R0274-05-0057			178	12.5	89	89	11.5	144	26.6	333	39.9	499	55	688	71	888		
R0274-05-0058	203	10.4	96	107	13.9	145	32.1	334	48.2	501	66.3	690	81	842				
R0274-05-0059	305	7	145	160	20.8	146	48	336	72	504	99.2	694	122	854				
R0274-05-0060	32	16	38	94	19	19	2.5	232	5.7	536	8.6	804	11.8	1107	15	1410		
R0274-05-0061			44	79.5	22	22	2.9	227	6.6	525	9.9	787	13.6	1084	18	1431		
R0274-05-0062			51	67	26	25	3.3	218	7.5	503	11.3	754	15.5	1039	20	1340		
R0274-05-0063			64	53	32	32	4.2	220	9.6	509	14.4	763	19.8	1052	25	1325		
R0274-05-0064			76	44	37	39	5.1	223	11.7	515	17.6	772	24.2	1064	30	1320		
R0274-05-0065			89	37.2	44	45	5.9	218	13.5	502	20.3	753	27.9	1038	35	1302		
R0274-05-0066			102	32	50	52	6.8	216	15.6	499	23.4	749	32.2	1032	41	1312		
R0274-05-0067			115	29	57	58	7.5	219	17.4	505	26.1	757	36	1043	46	1334		
R0274-05-0068			127	25	62	65	8.5	211	19.5	488	29.3	731	40.3	1008	51	1275		
R0274-05-0069			139	23	67	72	9.4	215	21.6	497	32.4	745	44.6	1027	56	1288		
R0274-05-0070			152	21.5	74	78	10.1	218	23.4	503	35.1	755	48.4	1040	61	1312		
R0274-05-0071			178	18.2	90	88	11.4	208	26.4	480	39.6	721	54.6	993	71	1292		
R0274-05-0072			203	15.8	99	104	13.5	214	31.2	493	46.8	739	64.5	1019	81	1280		
R0274-05-0073			254	12.5	124	130	16.9	211	39	488	58.5	731	80.6	1008	102	1275		
R0274-05-0074			305	10.3	150	155	20.2	208	46.5	479	69.8	718	96.1	990	122	1257		

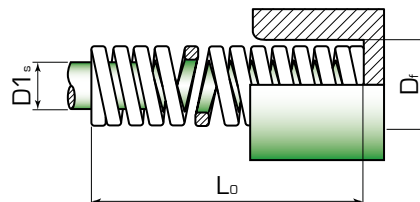
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0274

Molla carichi leggeri - Verde ISO10243 - CL  
Light duty spring - Green ISO10243 - CL



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Verde

#### Description:

Material: Chrome-vanadium steel  
Colour: Green

Codice Code	Df	D1s	LO	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
					mm	mm										
R0274-05-0075	40	20	51	92	26	25	3.3	299	7.5	690	11.3	1035	15.5	1426	20	1840
R0274-05-0076			64	73	32	32	4.2	304	9.6	701	14.4	1051	19.8	1448	25	1825
R0274-05-0077			76	63	38	38	4.9	311	11.4	718	17.1	1077	23.6	1484	30	1890
R0274-05-0078			89	51	44	45	5.9	298	13.5	689	20.3	1033	27.9	1423	35	1785
R0274-05-0079			102	43	51	51	6.6	285	15.3	658	23	987	31.6	1360	41	1763
R0274-05-0080			115	39.6	57	58	7.5	299	17.4	689	26.1	1034	36	1424	46	1822
R0274-05-0081			127	37	62	65	8.5	313	19.5	722	29.3	1082	40.3	1491	51	1887
R0274-05-0082			139	32	68	71	9.2	295	21.3	682	32	1022	44	1409	56	1792
R0274-05-0083			152	28	74	78	10.1	284	23.4	655	35.1	983	48.4	1354	61	1708
R0274-05-0084			178	25.2	86	92	12	301	27.6	696	41.4	1043	57	1437	71	1789
R0274-05-0085			203	22.7	98	105	13.7	310	31.5	715	47.3	1073	65.1	1478	81	1839
R0274-05-0086			254	17	123	131	17	290	39.3	668	59	1002	81.2	1381	102	1734
R0274-05-0087	305	14.8	148	157	20.4	302	47.1	697	70.7	1046	97.3	1441	122	1806		
R0274-05-0088	50	25	64	156	32	32	4.2	649	9.6	1498	14.4	2246	19.8	3095	25	3900
R0274-05-0089			76	125	37	39	5.1	634	11.7	1463	17.6	2194	24.2	3023	30	3750
R0274-05-0090			89	109	44	45	5.9	638	13.5	1472	20.3	2207	27.9	3041	35	3815
R0274-05-0091			102	94	50	52	6.8	635	15.6	1466	23.4	2200	32.2	3031	41	3854
R0274-05-0092			115	81	57	58	7.5	611	17.4	1409	26.1	2114	36	2913	46	3726
R0274-05-0093			127	71	62	65	8.5	600	19.5	1385	29.3	2077	40.3	2861	51	3621
R0274-05-0094			139	66.5	67	72	9.4	622	21.6	1436	32.4	2155	44.6	2969	56	3724
R0274-05-0095			152	60	74	78	10.1	608	23.4	1404	35.1	2106	48.4	2902	61	3660
R0274-05-0096			178	52	86	92	12	622	27.6	1435	41.4	2153	57	2966	71	3692
R0274-05-0097			203	44	99	104	13.5	595	31.2	1373	46.8	2059	64.5	2837	81	3564
R0274-05-0098			254	35	124	130	16.9	592	39	1365	58.5	2048	80.6	2821	102	3570
R0274-05-0099			305	28.5	149	156	20.3	578	46.8	1334	70.2	2001	96.7	2757	122	3477
R0274-05-0100	63	38	76	189	38	38	4.9	934	11.4	2155	17.1	3232	23.6	4453	30	5670
R0274-05-0101			89	158	45	44	5.7	904	13.2	2086	19.8	3128	27.3	4310	35	5530
R0274-05-0102			102	131	52	50	6.5	852	15	1965	22.5	2948	31	4061	41	5371
R0274-05-0103			115	116	58	57	7.4	860	17.1	1984	25.7	2975	35.3	4099	46	5336
R0274-05-0104			127	103	63	64	8.3	857	19.2	1978	28.8	2966	39.7	4087	51	5253
R0274-05-0105			152	84.3	76	76	9.9	833	22.8	1922	34.2	2883	47.1	3972	61	5142
R0274-05-0106			178	71.5	89	89	11.6	827	26.7	1909	40.1	2864	55.2	3945	71	5077
R0274-05-0107			203	61.7	101	102	13.3	818	30.6	1888	45.9	2832	63.2	3902	81	5098
R0274-05-0108			254	47	126	128	16.6	782	38.4	1805	57.6	2707	79.4	3730	102	4794
R0274-05-0109			305	38.2	153	152	19.8	755	45.6	1742	68.4	2613	94.2	3600	122	4660

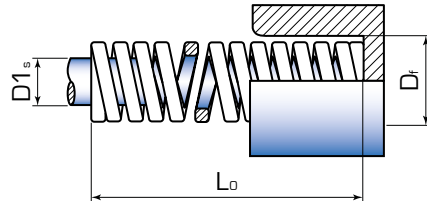
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0275 Molla carichi medi - Blu ISO10243 - CM

#### Medium duty spring - Blue ISO10243 - CM



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Blu

#### Description:

Material: Chrome-vanadium steel  
Colour: Blue

Codice Code	Df		D1s		L0		Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fib (bl)		Freccia a carico Deflec. and Load 30% fib (bl)		Freccia a carico Deflec. and Load 45% fib (bl)		Freccia a carico Deflec. and Load 62% fib (bl)		Freccia a carico Deflec. and Load 80% fib (bl)	
	Ø	Ø	Ø	Ø	LUNGH LIBERA FREE LENGHT mm	Rg		Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
	FORO HOLE mm	SPINA ROD mm						mm	mm	mm	N	mm	N	mm	N	mm	N	mm	N
R0275-05-0001	10	5	25	16	13	12	1.5	25	3.6	57	5.3	86	7.4	118	9.5	152			
R0275-05-0002			32	13	17	15	2	26	4.6	59	6.9	89	9.5	123	12.2	159			
R0275-05-0003			38	11.9	20	18	2.3	28	5.4	64	8.1	96	11.2	133	14.4	171			
R0275-05-0004			44	10.3	23	21	2.7	28	6.3	65	9.4	97	12.9	133	16.7	172			
R0275-05-0005			51	8.9	27	24	3.2	28	7.3	65	10.9	97	15.0	134	19.4	173			
R0275-05-0006			64	7.5	34	30	3.9	30	9.1	68	13.7	103	18.8	141	24.3	182			
R0275-05-0007			76	5.3	40	36	4.7	25	10.8	57	16.3	86	22.4	119	28.9	153			
R0275-05-0008			305	1.6	160	145	18.9	30	43.5	70	65.3	104	89.9	144	116	186			
R0275-05-0009	12.5	6.3	25	30	13	12	1.5	46	3.6	107	5.3	160	7.4	221	9.5	285			
R0275-05-0010			32	24.8	17	15	2	49	4.6	113	6.9	170	9.5	234	12.2	303			
R0275-05-0011			38	21.4	20	18	2.3	50	5.4	116	8.1	173	11.2	239	14.4	308			
R0275-05-0012			44	18.5	23	21	2.7	50	6.3	116	9.4	174	12.9	239	16.7	309			
R0275-05-0013			51	15.5	27	24	3.2	49	7.3	113	10.9	169	15	223	19.4	301			
R0275-05-0014			64	12.1	34	30	3.9	48	9.1	110	13.7	165	18.8	228	24.3	294			
R0275-05-0015			76	10.2	40	36	4.7	48	10.8	111	16.3	166	22.4	228	28.9	295			
R0275-05-0016			89	8.4	47	42	5.5	46	12.7	106	19	160	26.2	220	33.8	284			
R0275-05-0017			105	6.5	47	55	6	40	14	92	21	137	29	189	38	244			
R0275-05-0018			305	2.1	160	145	18.9	40	43.5	91	65.3	137	89.9	189	116	244			
R0275-05-0019	16	8	25	49.4	13	12	1.5	76	3.6	176	5.3	264	7.4	364	9.5	469			
R0275-05-0020			32	37.1	17	15	2	74	4.6	170	6.9	255	9.5	351	12.2	453			
R0275-05-0021			38	33.9	20	18	2.3	79	5.4	183	8.1	275	11.2	378	14.4	488			
R0275-05-0022			44	30	23	21	2.7	81	6.3	188	9.4	282	12.9	388	16.7	501			
R0275-05-0023			51	26.4	27	24	3.2	83	7.3	192	10.9	288	15	397	19.4	512			
R0275-05-0024			64	20.5	34	30	3.9	81	9.1	187	13.7	280	18.8	386	24.3	498			
R0275-05-0025			76	17.8	40	36	4.7	84	10.8	193	16.3	289	22.4	399	28.9	514			
R0275-05-0026			89	15.2	47	42	5.5	83	12.7	193	19	289	26.2	398	33.8	514			
R0275-05-0027			102	13.5	53	49	6.3	85	14.6	196	21.8	295	30.1	406	38.8	524			
R0275-05-0028			115	11.9	53	62	7	82	16	189	24	284	33	391	42	505			
R0275-05-0029			305	4.8	160	145	18.9	90	43.5	209	65.3	313	89.9	432	116	557			
R0275-05-0030	20	10	25	98	13	12	1.5	150	3.5	345	5.3	518	7.3	714	9.5	921			
R0275-05-0031			32	72.6	17	15	2	142	4.5	327	6.8	490	9.3	675	12	871			
R0275-05-0032			38	56	20	18	2.3	127	5.3	294	7.9	441	10.9	608	14	784			
R0275-05-0033			44	47.5	23	21	2.7	127	6.2	294	9.3	441	12.8	607	16.5	784			
R0275-05-0034			51	41.7	27	24	3.1	129	7.1	297	10.7	446	14.7	614	19	792			
R0275-05-0035			64	32.3	34	30	3.9	126	9	291	13.5	436	18.6	601	24	775			
R0275-05-0036			76	25.1	41	35	4.6	114	10.5	264	15.8	395	21.7	545	28	703			
R0275-05-0037	89	22	48	41	5.4	118	12.4	272	18.6	408	25.6	563	33	726					

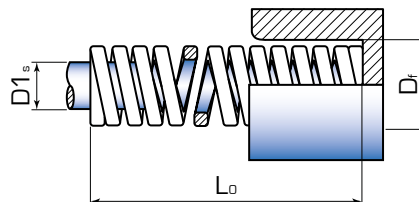
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0275

Molla carichi medi - Blu ISO10243 - CM  
Medium duty spring - Blue ISO10243 - CM



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Blu

#### Description:

Material: Chrome-vanadium steel  
Colour: Blue

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	mm
R0275-05-0038	20	10	102	19.8	54	48	6.2	122	14.3	282	21.4	423	29.5	583	38	752
R0275-05-0039			115	18.1	61	54	7	126	16.1	292	24.2	438	33.3	603	43	778
R0275-05-0040			127	16.6	67	60	7.8	129	18	299	27	448	37.2	618	48	797
R0275-05-0041			139	15.1	74	65	8.5	128	19.5	294	29.3	442	40.3	609	52	785
R0275-05-0042			152	13.2	81	71	9.3	122	21.4	282	32.1	423	44.2	583	57	752
R0275-05-0043			305	6.1	165	143	18.5	113	42.8	261	64.1	391	88.4	539	114	695
R0275-05-0044	25	12.5	25	147	13	12	1.5	225	3.5	518	5.3	777	7.3	1071	9.4	1382
R0275-05-0045			32	118	17	15	2	230	4.5	531	6.8	797	9.3	1097	12	1416
R0275-05-0046			38	93	20	18	2.3	212	5.3	488	7.9	732	10.9	1009	14	1302
R0275-05-0047			44	80.8	23	21	2.7	217	6.2	500	9.3	750	12.8	1033	16.5	1333
R0275-05-0048			51	68.6	27	24	3.1	212	7.1	489	10.7	733	14.7	1010	19	1303
R0275-05-0049			64	53	34	30	3.9	207	9	477	13.5	716	18.6	986	24	1272
R0275-05-0050			76	43.2	41	35	4.6	197	10.5	454	15.8	680	21.7	937	28	1210
R0275-05-0051			89	38.2	48	41	5.4	205	12.4	473	18.6	709	25.6	977	33	1261
R0275-05-0052			102	33	54	48	6.2	204	14.3	470	21.4	705	29.5	972	38	1254
R0275-05-0053			115	28.8	61	54	7	196	16.1	452	24.2	677	33.3	933	43	1204
R0275-05-0054			127	25.9	67	60	7.8	202	18	466	27	699	37.2	963	48	1243
R0275-05-0055			139	23.2	74	65	8.5	196	19.5	452	29.3	679	40.3	935	52	1206
R0275-05-0056			152	20.8	81	71	9.3	193	21.4	445	32.1	667	44.2	919	57	1186
R0275-05-0057			178	17.8	94	84	10.9	194	25.1	447	37.7	671	51.9	924	67	1193
R0275-05-0058	203	15.8	108	95	12.4	195	28.5	450	42.8	675	58.9	931	76	1201		
R0275-05-0059	305	10.2	162	143	18.5	189	42.8	436	64.1	654	88.4	901	114	1163		
R0275-05-0060	32	16	38	185	20	18	2.3	421	5.3	971	7.9	1457	10.9	2007	14	2590
R0275-05-0061			44	158	23	21	2.7	424	6.2	978	9.3	1466	12.8	2020	16.5	2607
R0275-05-0062			51	134	27	24	3.1	414	7.1	955	10.7	1432	14.7	1973	19	2546
R0275-05-0063			64	99	34	30	3.9	386	9	891	13.5	1337	18.6	1841	24	2376
R0275-05-0064			76	80.5	41	35	4.6	366	10.5	845	15.8	1268	21.7	1747	28	2254
R0275-05-0065			89	69.1	48	41	5.4	371	12.4	855	18.6	1283	25.6	1767	33	2280
R0275-05-0066			102	58.8	54	48	6.2	363	14.3	838	21.4	1257	29.5	1732	38	2234
R0275-05-0067			115	51.5	61	54	7	360	16.1	830	24.2	1246	33.3	1716	43	2215
R0275-05-0068			127	44.8	67	60	7.8	349	18	806	27	1210	37.2	1667	48	2150
R0275-05-0069			139	42.3	74	65	8.5	357	19.5	825	29.3	1237	40.3	1705	52	2200
R0275-05-0070			152	37.8	81	71	9.3	350	21.4	808	32.1	1212	44.2	1670	57	2155
R0275-05-0071			178	32.5	94	84	10.9	354	25.1	817	37.7	1225	51.9	1688	67	2178
R0275-05-0072			203	28.9	107	95	12.4	357	28.5	824	42.8	1235	58.9	1702	76	2196
R0275-05-0073			254	21.4	135	119	15.4	330	35.6	762	53.4	1144	73.6	1576	95	2033
R0275-05-0074	305	18.3	162	143	18.5	339	42.8	782	64.1	1173	88.4	1617	114	2086		



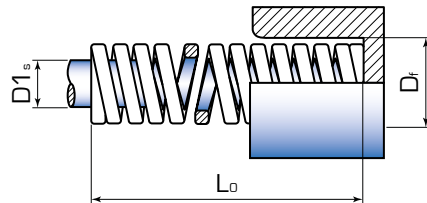
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0275

Molla carichi medi - Blu ISO10243 - CM  
Medium duty spring - Blue ISO10243 - CM



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Blu

#### Description:

Material: Chrome-vanadium steel  
Colour: Blue

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fib (bl)		Freccia a carico Deflec. and Load 30% fib (bl)		Freccia a carico Deflec. and Load 45% fib (bl)		Freccia a carico Deflec. and Load 62% fib (bl)		Freccia a carico Deflec. and Load 80% fib (bl)	
					Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	
R0275-05-0075	40	20	51	181.6	27	24	3.1	561	7.1	1294	10.7	1941	14.7	2674	19	3450
R0275-05-0076			64	140	34	30	3.9	546	9	1260	13.5	1890	18.6	2604	24	3360
R0275-05-0077			76	108	41	35	4.6	491	10.5	1134	15.8	1701	21.7	2344	28	3024
R0275-05-0078			89	90.7	48	41	5.4	486	12.4	1122	18.6	1684	25.6	2320	33	2993
R0275-05-0079			102	81	54	48	6.2	500	14.3	1154	21.4	1731	29.5	2385	38	3078
R0275-05-0080			115	71.8	61	54	7	502	16.1	1158	24.2	1737	33.3	2393	43	3087
R0275-05-0081			127	62.7	67	60	7.8	489	18	1129	27	1693	37.2	2332	48	3010
R0275-05-0082			139	57.5	74	65	8.5	486	19.5	1121	29.3	1682	40.3	2317	52	2990
R0275-05-0083			152	51.6	81	71	9.3	478	21.4	1103	32.1	1654	44.2	2279	57	2941
R0275-05-0084			178	44.1	94	84	10.9	480	25.1	1108	37.7	1662	51.9	2290	67	2955
R0275-05-0085			203	36.7	10	95	12.4	453	28.5	1046	42.8	1569	58.9	2162	76	2789
R0275-05-0086			254	30.1	135	119	15.4	465	35.6	1072	53.4	1608	73.6	2216	95	2860
R0275-05-0087	305	24.6	162	143	18.5	456	42.8	1052	64.1	1577	88.4	2173	114	2804		
R0275-05-0088	50	25	64	209	34	30	3.9	815	9	1881	13.5	2822	18.6	3887	24	5016
R0275-05-0089			76	168	41	35	4.6	764	10.5	1764	15.8	2646	21.7	3646	28	4704
R0275-05-0090			89	140	48	41	5.4	751	12.4	1733	18.6	2599	25.6	3581	33	4620
R0275-05-0091			102	119	54	48	6.2	735	14.3	1696	21.4	2544	29.5	3505	38	4522
R0275-05-0092			115	106	61	54	7	741	16.1	1709	24.2	2564	33.3	3532	43	4558
R0275-05-0093			127	97	67	60	7.8	757	18	1746	27	2619	37.2	3608	48	4656
R0275-05-0094			139	87	74	65	8.5	735	19.5	1697	29.3	2545	40.3	3506	52	4524
R0275-05-0095			152	80	81	71	9.3	741	21.4	1710	32.1	2565	44.2	3534	57	4560
R0275-05-0096			178	69.5	94	84	10.9	757	25.1	1746	37.7	2619	51.9	3609	67	4657
R0275-05-0097			203	59.8	108	95	12.4	739	28.5	1704	42.8	2556	58.9	3522	76	4545
R0275-05-0098			229	50.9	121	108	14	711	32.3	1642	48.4	2462	66.7	3392	86	4377
R0275-05-0099			254	43.9	135	119	15.4	678	35.6	1564	53.4	2346	73.6	3232	95	4171
R0275-05-0100	305	38.6	162	143	18.5	715	42.8	1650	64.1	2475	88.4	3410	114	4400		
R0275-05-0101	63	38	76	312	41	35	4.6	1420	10.5	3276	15.8	4914	21.7	6770	28	8736
R0275-05-0102			89	260	48	41	5.4	1394	12.4	3218	18.6	4826	25.6	6650	33	8580
R0275-05-0103			102	221	54	48	6.2	1365	14.3	3149	21.4	4724	29.5	6508	38	8398
R0275-05-0104			115	187	61	54	7	1307	16.1	3015	24.2	4523	33.3	6232	43	8041
R0275-05-0105			127	168	67	60	7.8	1310	18	3024	27	4536	37.2	6250	48	8064
R0275-05-0106			152	136	81	71	9.3	1260	21.4	2907	32.1	4361	44.2	6008	57	7752
R0275-05-0107			178	114	94	84	10.9	1241	25.1	2864	37.7	4296	51.9	5919	67	7638
R0275-05-0108			203	100	108	95	12.4	1235	28.5	2850	42.8	4275	58.9	5890	76	7600
R0275-05-0109			226	89.2	121	108	14	1247	32.3	2877	48.4	4315	66.7	5945	86	671
R0275-05-0110			254	78.4	135	119	15.4	1210	35.6	2793	53.4	4190	73.6	5772	95	7448
R0275-05-0111			305	64.7	162	143	18.5	1199	42.8	2766	64.1	4149	88.4	5716	114	7376

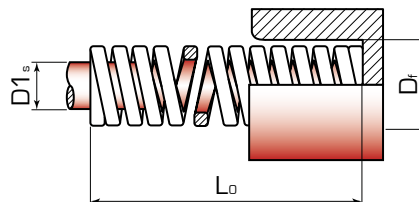
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0276

Molla carichi forti - Rosso ISO10243 - CF  
Heavy duty spring - Red ISO10243 - CF



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Rosso

#### Description:

Material: Chrome-vanadium steel  
Colour: Red

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl mm	flb mm	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm													
R0276-05-0001	10	5	25	22.1	16	9	1.2	27	2.8	62	4.2	93	5.8	128	7.5	166
R0276-05-0002			32	17.5	20	12	1.5	27	3.5	61	5.3	92	7.3	127	9.6	168
R0276-05-0003			38	17.1	24	14	1.8	31	4.2	72	6.3	108	8.7	148	11.4	195
R0276-05-0004			44	15	27	17	2.2	33	5.1	77	7.7	115	10.5	158	13.2	198
R0276-05-0005			51	12.8	32	19	2.5	32	5.7	73	8.6	109	11.8	151	15.3	196
R0276-05-0006			64	10.7	39	25	3.3	35	7.5	80	11.3	120	15.5	166	19.2	205
R0276-05-0007			76	7.5	47	29	3.8	28	8.7	65	13.1	98	18	135	22.8	171
R0276-05-0008			305	2.1	185	120	15.6	33	36	76	54	113	74.4	156	91.5	192
R0276-05-0009			25	42.1	16	9	1.1	48	2.6	110	3.9	165	5.4	227	7.5	316
R0276-05-0010	32	33.2	21	11	1.4	47	3.3	110	5	164	6.8	226	9.6	319		
R0276-05-0011	12.5	6.3	38	29.3	24	14	1.8	51	4.1	119	6.1	178	8.4	245	11.4	334
R0276-05-0012			44	24.6	28	16	2.1	51	4.8	118	7.2	177	9.9	244	13.2	325
R0276-05-0013			51	19.6	32	19	2.5	48	5.7	112	8.6	168	11.8	231	15.3	300
R0276-05-0014			64	15	40	24	3.1	47	7.2	108	10.8	162	14.9	223	19.2	288
R0276-05-0015			76	13.2	47	29	3.8	50	8.7	115	13.1	172	18	237	22.8	301
R0276-05-0016			89	11.4	56	33	4.3	49	9.9	113	14.9	169	20.5	233	26.7	304
R0276-05-0017			102	8.5	38	64	5	42	11	97	17	145	24	200	30	258
R0276-05-0018			305	2.8	185	120	15.6	44	36	101	54	151	74.4	208	91.5	356
R0276-05-0019			25	75.7	16	9	1.1	86	2.6	198	3.9	296	5.4	408	7.5	568
R0276-05-0020	32	52.8	21	11	1.4	76	3.3	174	5	261	6.8	360	9.6	507		
R0276-05-0021	38	48.5	24	14	1.8	86	4.1	199	6.2	299	8.5	412	11.4	553		
R0276-05-0022	44	42.8	28	16	2	87	4.7	202	7.1	302	9.7	417	13.2	565		
R0276-05-0023	16	8	51	37.1	32	19	2.4	89	5.6	206	8.3	309	11.5	426	15.3	568
R0276-05-0024			64	30.3	40	24	3.1	93	7.1	214	10.6	320	14.6	441	19.2	582
R0276-05-0025			76	25.7	47	29	3.8	97	8.7	224	13.1	335	18	462	22.8	586
R0276-05-0026			89	21.7	54	35	4.5	97	10.4	225	15.5	337	21.4	464	26.7	579
R0276-05-0027			102	19.3	62	40	5.2	100	12	232	18	347	24.8	479	30.6	591
R0276-05-0028			115	16	42	73	5	87	13	202	19	302	26	417	34	538
R0276-05-0029			305	7.1	183	122	15.9	113	36.6	260	54.9	390	75.6	537	91.5	650
R0276-05-0030			25	216	17	8	1.1	236	2.5	544	3.8	816	5.2	1125	7.5	1620
R0276-05-0031			32	168	21	11	1.4	229	3.2	529	4.7	794	6.5	1094	9.6	1613
R0276-05-0032	38	129	25	13	1.6	210	3.8	484	5.6	726	7.8	1000	11	1419		
R0276-05-0033	44	112	29	15	1.9	211	4.4	487	6.5	731	9	1007	13	1456		
R0276-05-0034	51	94	34	17	2.1	202	5	465	7.4	698	10.2	962	15	1410		
R0276-05-0035	64	72.1	43	21	2.7	197	6.3	454	9.5	681	13	939	19	1370		
R0276-05-0036	76	59.7	50	26	3.4	202	7.8	466	11.7	698	16.1	962	23	1373		
R0276-05-0037	89	50.5	59	30	3.9	197	9	455	13.5	682	18.6	939	27	1364		



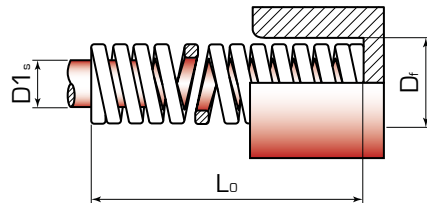
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0276

Molla carichi forti - Rosso ISO10243 - CF  
Heavy duty spring - Red ISO10243 - CF



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Rosso

#### Description:

Material: Chrome-vanadium steel  
Colour: Red

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl	flb	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm		mm	mm	mm	N	mm	N	mm	N	mm	N	mm	N
R0276-05-0038	20	10	102	44.2	67	35	4.6	201	10.5	464	15.8	696	21.7	959	31	1370
R0276-05-0039			115	38.4	75	40	5.2	200	12	461	18	691	24.8	952	35	1344
R0276-05-0040			127	34.1	83	44	5.7	195	13.2	450	19.8	675	27.3	930	38	1296
R0276-05-0041			139	31	90	49	6.4	197	14.7	456	22.1	684	30.4	942	42	1302
R0276-05-0042			152	28.2	99	53	6.9	194	15.9	448	23.9	673	32.9	927	46	1297
R0276-05-0043			305	15	197	108	14	211	32.4	486	48.6	729	67	1004	91	1365
R0276-05-0044	25	12.5	25	375	16	9	1.2	439	2.7	1013	4.1	1519	5.6	2093	7.5	2813
R0276-05-0045			32	297	21	11	1.4	405	3.2	936	4.7	1403	6.5	1933	9.6	2851
R0276-05-0046			38	219	25	13	1.7	370	3.9	854	5.9	1281	8.1	1765	11	2409
R0276-05-0047			44	187	28	16	2	377	4.7	870	7	1304	9.6	1797	13	2431
R0276-05-0048			51	156	33	18	2.3	365	5.4	842	8.1	1264	11.2	1741	15	2340
R0276-05-0049			64	123	41	23	2.9	360	6.8	830	10.1	1245	14	1716	19	2337
R0276-05-0050			76	99	48	28	3.6	354	8.3	817	12.4	1225	17.1	1688	23	2277
R0276-05-0051			89	84	56	33	4.2	355	9.8	819	14.6	1229	20.2	1693	27	2268
R0276-05-0052			102	73	64	38	4.9	356	11.3	821	16.9	1232	23.3	1697	31	2263
R0276-05-0053			115	65	72	43	5.6	361	12.8	833	19.2	1249	26.5	1721	35	2276
R0276-05-0054			127	57.7	80	47	6.1	353	14.1	814	21.2	1220	29.1	1681	38	2193
R0276-05-0055			139	52.7	87	52	6.8	356	15.6	822	23.4	1233	32.2	1699	42	2213
R0276-05-0056			152	47.8	94	58	7.5	357	17.3	825	25.9	1237	35.7	1704	46	2199
R0276-05-0057			178	41	112	66	8.6	353	19.9	815	29.8	1222	41.1	1684	53	2173
R0276-05-0058			203	35.8	127	76	9.9	355	22.9	819	34.3	1228	47.3	1692	61	2184
R0276-05-0059	305	22.9	191	114	14.8	339	34.1	781	51.2	1172	70.5	1615	91	2084		
R0276-05-0060	32	16	38	388	24	14	1.8	694	4.1	1601	6.2	2401	8.5	3308	11	4268
R0276-05-0061			44	324	28	16	2.1	684	4.9	1580	7.3	2369	10.1	3264	13	4212
R0276-05-0062			51	272	32	19	2.4	663	5.6	1530	8.4	2295	11.6	3162	15	4080
R0276-05-0063			64	212	40	24	3.1	655	7.1	1511	10.7	2266	14.7	3122	19	4028
R0276-05-0064			76	172	47	29	3.7	643	8.6	1484	12.9	2225	17.8	3066	23	3956
R0276-05-0065			89	141	55	34	4.4	619	10.1	1428	15.2	2141	2.9	2950	27	3807
R0276-05-0066			102	122	63	39	5	615	11.6	1418	17.4	2127	24	2931	31	3782
R0276-05-0067			115	107	71	44	5.7	609	13.1	1404	19.7	2107	27.1	2902	35	3745
R0276-05-0068			127	93	79	48	6.2	574	14.3	1325	21.4	1988	29.5	2739	38	3534
R0276-05-0069			139	86	86	53	6.8	587	15.8	1355	23.6	2032	32.6	2799	42	3612
R0276-05-0070			152	78	94	58	7.5	583	17.3	1346	25.9	2018	35.7	2781	46	3588
R0276-05-0071			178	67.2	112	66	8.6	579	19.9	1336	29.8	2003	41.1	2760	53	3562
R0276-05-0072			203	59.1	127	76	9.9	586	22.9	1352	34.3	2028	47.3	2794	61	3605
R0276-05-0073			254	46.4	159	95	12.4	573	28.5	1322	42.8	1984	58.9	2733	76	3526
R0276-05-0074			305	38	191	114	14.8	562	34.1	1297	51.2	1945	70.5	2680	91	3458

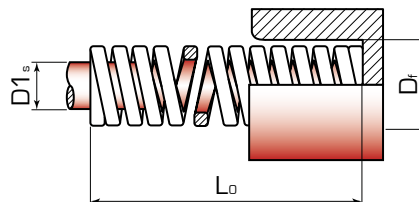
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0276

Molla carichi forti - Rosso ISO10243 - CF  
Heavy duty spring - Red ISO10243 - CF



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Rosso

#### Description:

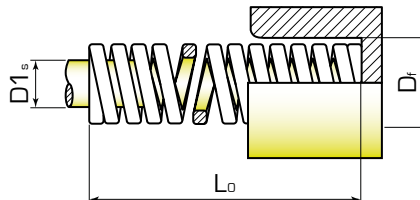
Material: Chrome-vanadium steel  
Colour: Red

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl mm	flb mm	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm													
R0276-05-0075	40	20	51	350	32	119	2.4	853	5.6	1969	8.4	2953	11.6	4069	15	5250
R0276-05-0076			64	269	40	24	3.1	831	7.1	1917	10.7	2875	14.7	3961	19	5111
R0276-05-0077			76	219	47	29	3.7	819	8.6	1889	12.9	2833	17.8	3904	23	5037
R0276-05-0078			89	190	55	34	4.4	834	10.1	1924	15.2	2886	20.9	3976	27	5130
R0276-05-0079			102	163	63	39	5	821	11.6	1895	17.4	2842	24	3916	31	5053
R0276-05-0080			115	142	71	44	5.7	808	13.1	1864	19.7	2796	27.1	3852	35	4970
R0276-05-0081			127	128	79	48	6.2	790	14.3	1824	21.4	2736	29.5	3770	38	4864
R0276-05-0082			139	115	86	53	6.8	785	15.8	1811	23.6	2717	32.6	3743	42	4830
R0276-05-0083			152	105	94	58	7.5	785	17.3	1811	25.9	2717	35.7	3743	46	4830
R0276-05-0084			178	89	112	66	8.6	767	19.9	1769	29.8	2653	41.1	3656	53	4717
R0276-05-0085			203	77	127	76	9.9	763	22.9	1761	34.3	2642	47.3	3640	61	4697
R0276-05-0086			254	61	159	95	12.4	753	28.5	1739	42.8	2608	58.9	3593	76	4636
R0276-05-0087	305	51	191	114	14.8	754	34.1	1740	51.2	2611	70.5	3597	91	4641		
R0276-05-0088	50	25	64	413	40	24	3.1	1275	7.1	2943	10.7	4414	14.7	6081	19	7847
R0276-05-0089			76	339	47	29	3.7	1267	8.6	2924	12.9	4386	17.8	6043	23	7797
R0276-05-0090			89	288	55	34	4.4	1264	10.1	2916	15.2	4374	20.9	6026	27	7776
R0276-05-0091			102	245	63	39	5	1234	11.6	2848	17.4	4272	24	5886	31	7595
R0276-05-0092			115	215	71	44	5.7	1223	13.1	2822	19.7	4233	27.1	5832	35	7525
R0276-05-0093			127	192	79	48	6.2	1186	14.3	2736	21.4	4104	29.5	5654	38	7296
R0276-05-0094			139	168	86	53	6.8	1147	15.8	2646	23.6	3969	32.6	5468	42	7056
R0276-05-0095			152	154	94	58	7.5	1151	17.3	2657	25.9	3985	35.7	5490	46	7084
R0276-05-0096			178	134	112	66	8.6	1154	19.9	2663	29.8	3995	41.1	5504	53	7102
R0276-05-0097			203	117	127	76	9.9	1160	22.9	2676	34.3	4015	47.3	5531	61	7137
R0276-05-0098			254	89	159	95	12.4	1099	28.5	2537	42.8	3805	58.9	5242	76	6764
R0276-05-0099			305	73	191	114	14.8	1079	34.1	2491	51.2	3737	70.5	5148	91	6643
R0276-05-0100	63	38	76	618	47	29	3.7	2310	8.6	5330	12.9	7995	17.8	11016	23	14214
R0276-05-0101			89	515	55	34	4.4	2260	10.1	5214	15.5	7822	20.9	10776	27	13905
R0276-05-0102			102	438	63	39	5	2206	11.6	5092	17.4	7638	24	10523	31	13578
R0276-05-0103			115	370	71	44	5.7	2104	13.1	4856	19.7	7284	27.1	10036	35	12950
R0276-05-0104			127	333	79	48	6.2	2056	14.3	4745	21.4	7118	29.5	9807	38	12645
R0276-05-0105			152	269	94	58	7.5	2011	17.3	4640	25.9	6960	35.7	9590	46	12374
R0276-05-0106			178	226	112	66	8.6	1946	19.9	4492	29.8	6738	41.1	9283	53	11978
R0276-05-0107			203	198	127	76	9.9	1963	22.9	4529	34.3	6794	47.3	9360	61	12078
R0276-05-0108			254	155	159	95	12.4	1914	28.5	4418	42.8	6626	58.9	9130	76	11780
R0276-05-0109			305	128	191	114	14.8	1893	34.1	4368	51.2	6552	70.5	9027	91	11648

# Molle normalizzate per stampi ISO 10243 Standard die springs ISO 10243



## R0277 Molla carichi extra forti - Giallo ISO10243 - CXF Extra heavy duty spring - Yellow ISO10243 - CXF



### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Giallo

### Description:

Material: Chrome-vanadium steel  
Colour: Yellow

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fib (bl)		Freccia a carico Deflec. and Load 30% fib (bl)		Freccia a carico Deflec. and Load 45% fib (bl)		Freccia a carico Deflec. and Load 62% fib (bl)		Freccia a carico Deflec. and Load 80% fib (bl)	
					Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORD HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	
R0277-05-0001	10	5	25	36.8	17	8	1	37	2.3	86	3.5	128	4.8	177	6.2	228
R0277-05-0002			32	27.9	22	10	1.3	36	3	84	4.5	126	6.2	173	8	223
R0277-05-0003			38	23.7	26	12	1.5	37	3.6	84	5.3	127	7.4	174	9.5	225
R0277-05-0004			44	19.2	30	14	1.8	34	4.1	79	6.2	119	8.5	164	11	211
R0277-05-0005			51	16.5	35	16	2.1	35	4.9	80	7.3	121	10.1	166	13	215
R0277-05-0006			64	13.2	44	20	2.6	34	6	79	9	119	12.4	164	16	211
R0277-05-0007			76	10.9	52	24	3.1	34	7.1	78	10.7	116	14.7	161	19	207
R0277-05-0008			305	2.6	210	95	12.4	32	28.5	74	42.8	111	58.9	153	76	198
R0277-05-0009	12.5	6.3	25	58.5	17	8	1	59	2.3	136	3.5	204	4.8	281	6.2	363
R0277-05-0010			32	43.9	22	10	1.3	57	3	132	4.5	198	6.2	272	8	351
R0277-05-0011			38	36	26	12	1.5	56	3.6	128	5.3	192	7.4	265	9.5	342
R0277-05-0012			44	30.3	30	14	1.8	54	4.1	125	6.2	187	8.5	258	11	333
R0277-05-0013			51	26.2	35	16	2.1	55	4.9	128	7.3	192	10.1	264	13	341
R0277-05-0014			64	21.2	44	20	2.6	55	6	127	9	191	12.4	263	16	339
R0277-05-0015			76	17.1	52	24	3.1	53	7.1	122	10.7	183	14.7	252	19	325
R0277-05-0016			89	14.5	61	28	3.6	52	8.3	120	12.4	179	17.1	247	22	319
R0277-05-0017			102	12.5	31	71	4	50	9	116	14	174	19	240	25	310
R0277-05-0018			305	4.3	210	95	12.4	53	28.5	123	42.8	184	58.9	253	76	327
R0277-05-0019	16	8	25	118	17	8	1	119	2.3	274	3.5	412	4.8	567	6.2	732
R0277-05-0020			32	89	22	10	1.3	116	3	267	4.5	401	6.2	552	8	712
R0277-05-0021			38	72.1	26	12	1.5	111	3.6	257	5.3	385	7.4	531	9.5	685
R0277-05-0022			44	60.9	30	14	1.8	109	4.1	251	6.2	377	8.5	519	11	670
R0277-05-0023			51	52.3	35	16	2.1	110	4.9	255	7.3	382	10.1	527	13	680
R0277-05-0024			64	41.2	44	20	2.6	107	6	247	9	371	12.4	511	16	659
R0277-05-0025			76	34.1	52	24	3.1	105	7.1	243	10.7	364	14.7	502	19	648
R0277-05-0026			89	29.5	61	28	3.6	105	8.3	243	12.4	365	17.1	503	22	649
R0277-05-0027			102	25.6	69	33	4.2	108	9.8	250	14.6	374	20.2	516	26	666
R0277-05-0028			115	22.5	35	80	5	102	11	236	16	354	22	488	28	630
R0277-05-0029			305	8.4	210	95	12.4	104	28.5	239	42.8	359	58.9	495	76	638
R0277-05-0030	20	10	25	293	17	8	1	295	2.3	681	3.5	1022	4.8	1408	6.2	1817
R0277-05-0031			32	224	22	10	1.3	291	3	672	4.5	1008	6.2	1389	8	1792
R0277-05-0032			38	177	26	12	1.5	273	3.6	631	5.3	946	7.4	1303	9.5	1682
R0277-05-0033			44	149	30	14	1.8	266	4.1	615	6.2	922	8.5	1270	11	1639
R0277-05-0034			51	128	35	16	2.1	270	4.9	624	7.3	936	10.1	1290	13	1664
R0277-05-0035			64	99	44	20	2.6	257	6	594	9	891	12.4	1228	16	1584
R0277-05-0036			76	81.7	52	24	3.1	252	7.1	582	10.7	873	14.7	1203	19	1552
R0277-05-0037			89	69.5	61	28	3.6	248	8.3	573	12.4	860	17.1	1185	22	1529

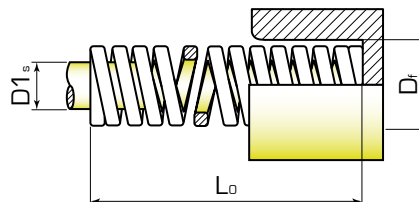
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0277 Molla carichi extra forti - Giallo ISO10243 - CXF

#### Extra heavy duty spring - Yellow ISO10243 - CXF



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Giallo

#### Description:

Material: Chrome-vanadium steel  
Colour: Yellow

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% flb (bl)		Freccia a carico Deflec. and Load 30% flb (bl)		Freccia a carico Deflec. and Load 45% flb (bl)		Freccia a carico Deflec. and Load 62% flb (bl)		Freccia a carico Deflec. and Load 80% flb (bl)	
					Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORO HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm													
R0277-05-0038	20	10	102	60.6	69	33	4.2	256	9.8	591	14.6	886	20.2	1221	26	1576
R0277-05-0039			115	53	79	36	4.7	250	10.9	576	16.3	865	22.5	1191	29	1537
R0277-05-0040			127	47.5	87	40	5.2	247	12	570	18	855	24.8	1178	32	1520
R0277-05-0041			139	43	95	44	5.7	245	13.1	564	19.7	847	27.1	1166	35	1505
R0277-05-0042			152	39	104	48	6.2	241	14.3	556	21.4	834	29.5	1149	38	1482
R0277-05-0043			305	21.2	210	95	12.4	262	28.5	604	42.8	906	58.9	1249	76	1611
R0277-05-0044	25	12.5	25	459	17	8	1	462	2.3	1067	3.5	1601	4.8	2205	6.2	2846
R0277-05-0045			32	374.4	22	10	1.3	487	3	1123	4.5	1685	6.2	2321	8	2995
R0277-05-0046			38	346	26	12	1.5	534	3.6	1233	5.3	1849	7.4	2547	9.5	3287
R0277-05-0047			44	244	30	14	1.8	436	4.1	1007	6.2	1510	8.5	2080	11	2684
R0277-05-0048			51	207.5	35	16	2.1	438	4.9	1012	7.3	1517	10.1	2091	13	2698
R0277-05-0049			64	161	44	20	2.6	419	6	966	9	1449	12.4	1996	16	2576
R0277-05-0050			76	130.8	52	24	3.1	404	7.1	932	10.7	1398	14.7	1926	19	2485
R0277-05-0051			89	110.5	61	28	3.6	395	8.3	912	12.4	1367	17.1	1884	22	2431
R0277-05-0052			105	96.3	69	33	4.2	407	9.8	939	14.6	1408	20.2	1940	26	2504
R0277-05-0053			115	85.7	79	36	4.7	404	10.9	932	16.3	1398	22.5	1926	29	2485
R0277-05-0054			127	76.3	87	40	5.2	397	12	916	18	1373	24.8	1892	32	2442
R0277-05-0055			139	68.9	95	44	5.7	932	13.1	904	19.7	1356	27.1	1869	35	2412
R0277-05-0056			152	63.5	104	48	6.2	392	14.3	905	21.4	1357	29.5	1870	38	2413
R0277-05-0057			178	53.9	123	55	7.2	385	16.5	889	24.8	1334	34.1	1838	44	2372
R0277-05-0058			203	47	139	64	8.3	390	19.1	899	28.7	1348	39.5	1858	51	2397
R0277-05-0059	305	30.9	210	95	12.4	382	28.5	881	42.8	1321	58.9	1820	76	2348		
R0277-05-0060	32	16	38	582.2	26	12	1.5	815	3.6	1882	5.3	2823	7.4	3889	9.5	5018
R0277-05-0061			44	424.4	30	14	1.8	759	4.1	1751	6.2	2626	8.5	3618	11	4668
R0277-05-0062			51	353	35	16	2.1	746	4.9	1721	7.3	2581	10.1	3556	13	4589
R0277-05-0063			64	269.2	44	20	2.6	700	6	1615	9	2423	12.4	3338	16	4307
R0277-05-0064			76	218.5	52	24	3.1	675	7.1	1557	10.7	2335	14.7	3217	19	4152
R0277-05-0065			89	180.3	61	28	3.6	645	8.3	1487	12.4	2231	17.1	3074	22	3967
R0277-05-0066			102	155	69	33	4.2	655	9.8	1511	14.6	2267	20.2	3123	26	4030
R0277-05-0067			115	140	79	36	4.7	660	10.9	1523	16.3	2284	22.5	3147	29	4060
R0277-05-0068			127	124	87	40	5.2	645	12	1488	18	2232	24.8	3075	32	3968
R0277-05-0069			139	112.3	95	44	5.7	639	13.1	1474	19.7	2211	27.1	3046	35	3931
R0277-05-0070			152	102	104	48	6.2	630	14.3	1454	21.4	2180	29.5	3004	38	3876
R0277-05-0071			178	88.2	123	55	7.2	631	16.5	1455	24.8	2183	34.1	3008	44	3881
R0277-05-0072			203	76	139	64	8.3	630	19.1	1454	28.7	2180	39.5	3004	51	3876
R0277-05-0073			254	60.8	174	80	10.4	632	24	1459	36	2189	49.6	3016	64	3891
R0277-05-0074	305	49	210	95	12.4	605	28.5	1397	42.8	2095	58.9	2886	76	3724		

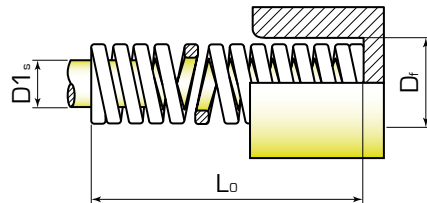
# Molle normalizzate per stampi ISO 10243

## Standard die springs ISO 10243



### R0277 Molla carichi extra forti - Giallo ISO10243 - CXF

#### Extra heavy duty spring - Yellow ISO10243 - CXF



#### Descrizione:

Materiale: Acciaio al cromo-vanadio  
Colore: Giallo

#### Description:

Material: Chrome-vanadium steel  
Colour: Yellow

Codice Code	Df	D1s	L0	Rigidità RATE Rg N/mm	Molla a Blocco Solid spring		Freccia a carico Deflec. and Load 13% fbl (bl)		Freccia a carico Deflec. and Load 30% fbl (bl)		Freccia a carico Deflec. and Load 45% fbl (bl)		Freccia a carico Deflec. and Load 62% fbl (bl)		Freccia a carico Deflec. and Load 80% fbl (bl)	
					Lbl	fbl	mm	N	mm	N	mm	N	mm	N	mm	N
	Ø FORD HOLE mm	Ø SPINA ROD mm	LUNGH LIBERA FREE LENGHT mm	Lbl mm	fbl mm	mm	N	mm	N	mm	N	mm	N	mm	N	
R0277-05-0075	40	20	51	628	35	16	2.1	1327	4.9	3062	7.3	4592	10.1	6327	13	8164
R0277-05-0076			64	487	44	20	2.6	1266	6	2922	9	4383	12.4	6039	16	7792
R0277-05-0077			76	379	52	24	3.1	1170	7.1	2700	10.7	4051	14.7	5581	19	7201
R0277-05-0078			89	321	61	28	3.6	1148	8.3	2648	12.4	3972	17.1	5473	22	7062
R0277-05-0079			102	281	69	33	4.2	1187	9.8	2740	14.6	4110	20.2	5662	26	7306
R0277-05-0080			115	245	79	36	4.7	1155	10.9	2664	16.3	3997	22.5	5506	29	7105
R0277-05-0081			127	221	87	40	5.2	1149	12	2652	18	3978	24.8	5481	32	7072
R0277-05-0082			139	190	95	44	5.7	1081	13.1	2494	19.7	3741	27.1	5154	35	6650
R0277-05-0083			152	168	104	48	6.2	1037	14.3	2394	21.4	3591	29.5	4948	38	6384
R0277-05-0084			178	146	123	55	7.2	1044	16.5	2409	24.8	3614	34.1	4979	44	6424
R0277-05-0085			203	132	139	64	8.3	1094	19.1	2525	28.7	3787	39.5	5217	51	6732
R0277-05-0086			254	107	174	80	10.4	1113	24	2568	36	3852	49.6	5307	64	6848
R0277-05-0087	305	87.8	210	95	12.4	1084	28.5	2502	42.8	3753	58.9	5171	76	6673		
R0277-05-0088	50	25	64	709	44	20	2.6	1843	6	4254	9	6381	12.4	8792	16	11344
R0277-05-0089			76	572	52	24	3.1	1766	7.1	4076	10.7	6113	14.7	8423	19	10868
R0277-05-0090			89	475	61	28	3.6	1698	8.3	3919	12.4	5878	17.1	8099	22	10450
R0277-05-0091			102	405	69	33	4.2	1711	9.8	3949	14.6	5923	20.2	8161	26	10530
R0277-05-0092			115	352	79	36	4.7	1659	10.9	3828	16.3	5742	22.5	7911	29	10208
R0277-05-0093			127	316	87	40	5.2	1643	12	3792	18	5688	24.8	7837	32	10112
R0277-05-0094			139	274	95	44	5.7	1558	13.1	3596	19.7	5394	27.1	7432	35	9590
R0277-05-0095			152	239	104	48	6.2	1476	14.3	3406	21.4	5109	29.5	7039	38	9082
R0277-05-0096			178	215	123	55	7.2	1537	16.5	3548	24.8	5321	34.1	7332	44	9460
R0277-05-0097			203	187	139	64	8.3	1550	19.1	3576	28.7	5365	39.5	7391	51	9537
R0277-05-0098			254	153	174	80	10.4	1591	24	3672	36	5508	49.6	7589	64	9792
R0277-05-0099			305	127	210	95	12.4	1568	28.5	3620	42.8	5429	58.9	7480	76	9652
R0277-05-0100	63	38	76	952	52	24	3.1	2939	7.1	6783	10.7	10175	14.7	14018	19	18088
R0277-05-0101			89	819	61	28	3.6	2928	8.3	6757	12.4	10135	17.1	13964	22	18018
R0277-05-0102			102	700	69	33	4.2	2958	9.8	6825	14.6	10238	20.2	14105	26	18200
R0277-05-0103			115	620	79	36	4.7	2922	10.9	6743	16.3	10114	22.5	13935	29	17980
R0277-05-0104			127	565	87	40	5.2	2938	12	6780	18	10170	24.8	14012	32	18080
R0277-05-0105			152	458	104	48	6.2	2828	14.3	6527	21.4	9790	29.5	13488	38	17404
R0277-05-0106			178	384	123	55	7.2	2746	16.5	6336	24.8	9504	34.1	13094	44	16896
R0277-05-0107			203	337	139	64	8.3	2793	19.1	6445	28.7	9668	39.5	13320	51	17187
R0277-05-0108			254	263	174	80	10.4	2735	24	6312	36	9468	49.6	13045	64	16832
R0277-05-0109			305	218	210	95	12.4	2692	28.5	6213	42.8	9320	58.9	12840	76	16568

# Molleggianti in elastomero poliuretano Polyurethane elastomer springs



Realizzati con due mescole differenti, registrati con i marchi ADIPOL e ULTRAFLEX, si distinguono per caratteristiche e prestazioni diversificate. ADIPOL riassume ottime qualità performanti in rapporto al prezzo si consideri una durata indicativa di 400.000 battute prima della rottura. ULTRAFLEX rappresenta la nostra produzione migliore in termine di prestazione della molla, con questo è possibile superare agevolmente 800.000 battute senza problemi.

Made with two different base mixes, registered with the ADIPOL and ULTRAFLEX trademarks, differentiated by particular features and performances.

ADIPOL offers top pre-forming characteristics in relation to price - with an approximate duration of about 400,000 strokes before breakage. ULTRAFLEX represents our top product in terms of spring performance - the level of 800,000 strokes is easily surpassed with this spring.

## CARATTERISTICHE MECCANICHE

## SPECIFICATIONS

### ADIPOL®

Prodotto in due versioni in durezza 90 ShA colore arancio e 95 ShA. colore ambra le loro caratteristiche meccaniche sono:

Durezza		ShA	90	95
CARICO DI ROTTURA	DIN 53504	MPa	30	40
ALLUNGAMENTO A ROTTURA	DIN 53504	%	360	320
MODULO 300%	DIN 53504	MPa	17	35
RESISTENZA A LACERAZIONE	DIN 53515	KN/m	54	97
COMPRESSION SET	DIN 53517	%	23	35
ABRASIONE	DIN 53516	mm <sup>3</sup>	75	75
REBOUND	AL/4E	%	52	52
COLORE			Arancio	Ambra

### ADIPOL®

Two different colors. Available in two version, 90 ShA Orange colors, and 95 ShA Honey color, with the following specifications:

Hardness		ShA	90	95
BREAKING STRENGTH	DIN 53504	MPa	30	40
ELONGATION AT BREAK	DIN 53504	%	360	320
300% MODULE	DIN 53504	MPa	17	35
TEAR RESISTANCE	DIN 53515	KN/m	54	97
COMPRESSION SET	DIN 53517	%	23	35
ABRASION	DIN 53516	mm <sup>3</sup>	75	75
REBOUND	AL/4E	%	52	52
COLOUR			Orange	Honey

### ULTRAFLEX®

Prodotto in tre versioni in durezza 82-92-94 ShA in tre colori differenti le loro caratteristiche meccaniche sono:

Durezza		ShA	82	92	95
CARICO DI ROTTURA	DIN 53504	MPa	48	50	55
ALLUNGAMENTO A ROTTURA	DIN 53504	%	560	475	500
MODULO 300%	DIN 53504	MPa	8.1	17.6	25
RESISTENZA A LACERAZIONE	DIN 53515	KN/m	86	89	120
COMPRESSION SET	DIN 53517	%	25	18	19
ABRASIONE	DIN 53516	mm <sup>3</sup>	58	82	65
REBOUND	AL/4E	%	43	39	45
COLORE			Giallo	Rosso	Verde

### ULTRAFLEX®

Three different colors, available in three versions (82, 92 and 94 ShA hardness) with the following specifications:

Hardness		ShA	82	92	95
BREAKING STRENGTH	DIN 53504	MPa	48	50	55
ELONGATION AT BREAK	DIN 53504	%	560	475	500
300% MODULE	DIN 53504	MPa	8.1	17.6	25
TEAR RESISTANCE	DIN 53515	KN/m	86	89	120
COMPRESSION SET	DIN 53517	%	25	18	19
ABRASION	DIN 53516	mm <sup>3</sup>	58	82	65
REBOUND	AL/4E	%	43	39	45
COLOUR			Yellow	Red	Green



## RESISTENZA AGLI AGENTI CHIMICI

### ADIPOL® e ULTRAFLEX®

- A) Effetto nullo  
B) Effetto minimo  
C) Effetto severo

Agente chimico	Effetto	Agente chimico	Effetto
Acetato di etile	C	Idrato di sodio 46%	A
Acetone	C	Idrogeno	A
Acido acetico 20%	B	Mercurio	A
Acido cloridrico 20%	B	Metiltilchetone	C
Acido formico	C	Nafta	B
Acido nitrico 10%	C	Olii idraulici	A
Acido oleico	B	Olii lubrificanti	B
Acido solforico 50-80%	C	Olio ASTM 70° C	A
Acido tannico 10%	A	Olio minerale	A
Acido tartarico	A	Olio SAE 70°C	A
Acqua 50°C	A	Ossido di carbonio	A
Alcool etilico	C	Percloroetilene	C
Alcool metilico	C	Sol. acido borico	A
Anidride carbonica	A	Sol. bisolf. calcio	A
Benzina	B	Sol. cloruro magnesio	A
Benzolo	C	Sol. cloruro rame	A
Butano	A	Sol. fosfato trisodico	A
Cherosene	C	Sol. idrato ammonio	A
Colla	A	Sol. idrato calcio	A
Etilene glicole	B	Sol. sapone	A
Fenolo	C	Sol. solfato rame	A
Freon-11	B	Tetracloruro carbonio	C
Freon-12 +54°C	A	Toluolo	C
Freon-22	C	Trementina	C
Glicerina	A	Tricloroetilene	C

## RESISTENZA AL CALORE

### ADIPOL® e ULTRAFLEX®

La temperatura massima in esercizio è 80°C, si consideri che a tale temperatura le caratteristiche meccaniche decadono del 65%, sono tuttavia ammesse per brevi periodi esposizioni fino a 120°C.

## RESISTENZA AL FREDDO

### ADIPOL®

La miscela in ADIPOL sopporta -40°C.

### ULTRAFLEX®

Nella gamma ULTRAFLEX il limite consigliato +10°C.

## RESISTANCE TO CHEMICAL AGENTS

### ADIPOL® and ULTRAFLEX®

- A) No effect  
B) Minimum effect  
C) Severe effect

Chemical agents	Effect	Chemical agent	Effect
Acetone	C	Hydraulic oils	A
20% Acetic acid	B	Hydrogen	A
Ammonium hydroxide sol.	A	Kerosene	C
ASTM oil 70°C	A	Lubricating oils	B
Benzol	C	Magnesium chloride sol.	A
Boric acid sol.	A	Mercury	A
Butane	A	Methyl alcohol	C
Calcium bisulfite sol.	A	Methyl ethyl ketone	C
Calcium hydroxide sol.	A	Mineral oil	A
Carbon dioxide	A	Naphtha	B
Carbon monoxide	A	10% Nitric acid	C
Carbon tetrachloride	C	Oleic acid	B
Copper chloride sol.	A	Perchloroethylene	C
Copper sulfate sol.	A	Phenol	C
Ethyl acetate	C	SAE oil 70°C	A
Ethyl alcohol	C	Soap sol.	A
Ethylene glycol	B	46% Sodium hydrate	A
Formic acid	C	50-80% Sulfuric acid	C
Freon-11	B	10% Tannic acid	A
Freon-12 +54° C	A	Tartaric acid	A
Freon-22	C	Toluol	C
Gasoline	B	Trisodium phosphate sol.	A
Glycerol	A	Trichloroethylene	C
Glue	A	Turpentine	C
20% Hydrochloric acid	B	Water 50°C	A

## RESISTANCE TO HEAT

### ADIPOL® and ULTRAFLEX®

The maximum operating temperature is 80°C. Consider that the mechanical specifications decrease by 65% under those conditions. However, exposure to temperatures of up to 120°C is permitted for brief periods.

## RESISTANCE TO COLD

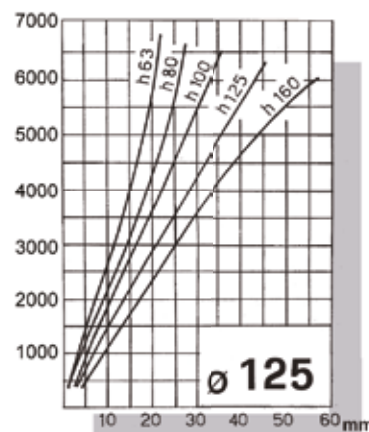
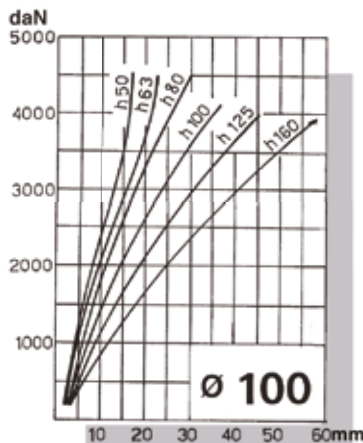
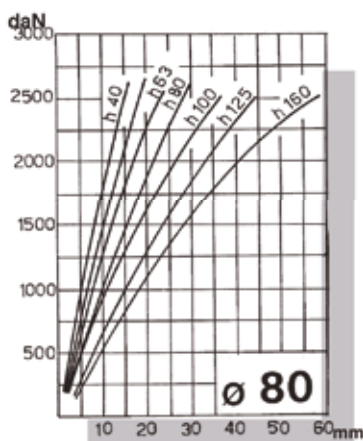
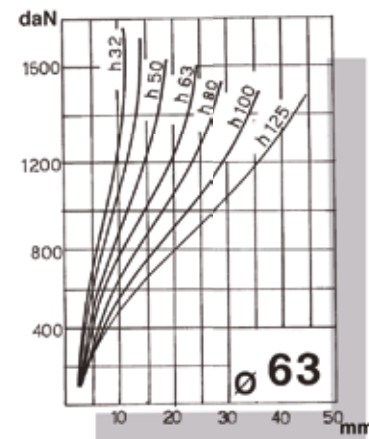
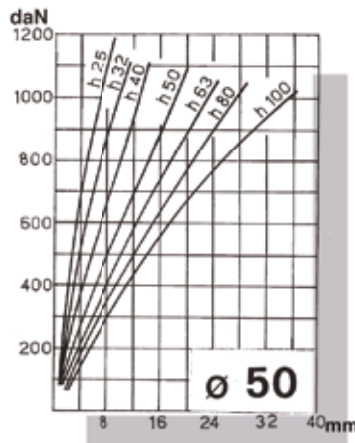
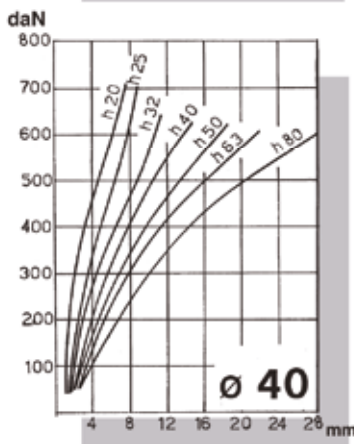
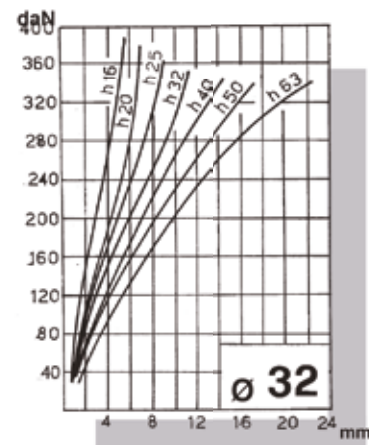
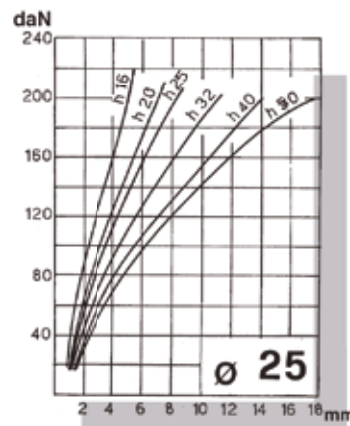
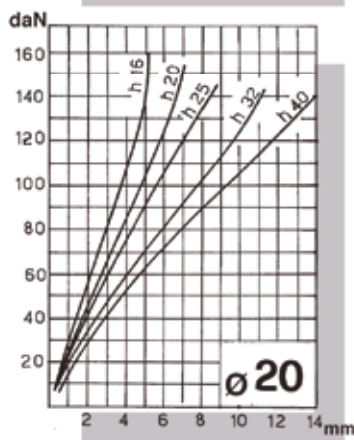
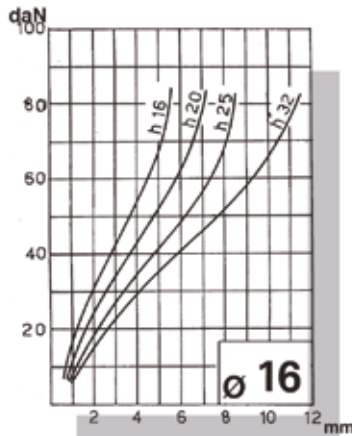
### ADIPOL®

The base mix in ADIPOL withstands -40°C.

### ULTRAFLEX®

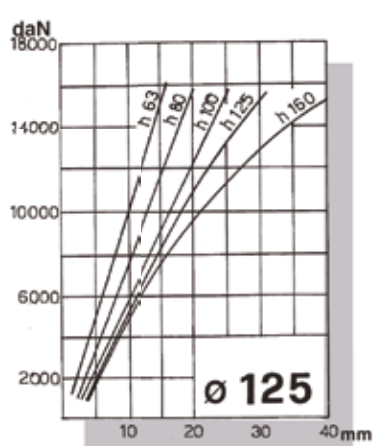
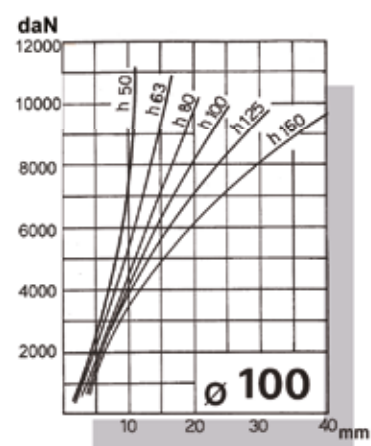
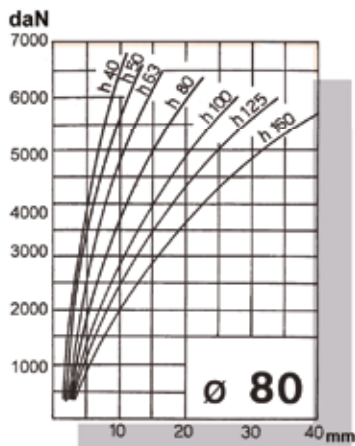
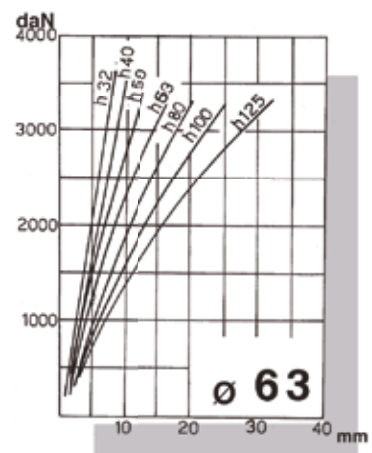
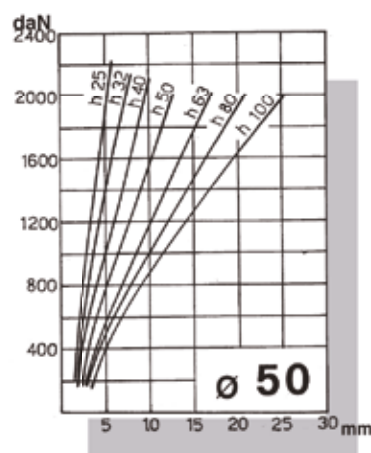
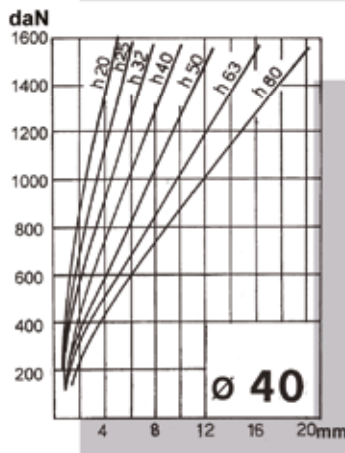
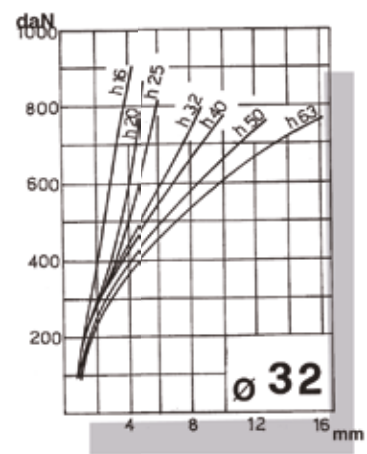
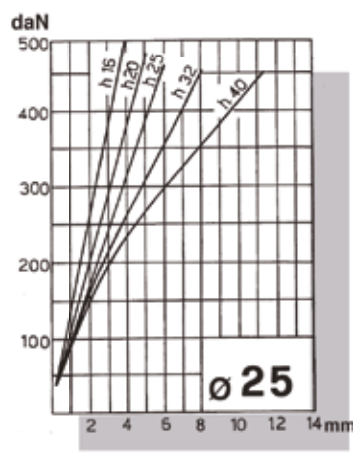
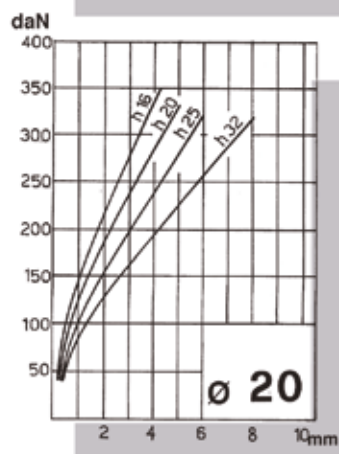
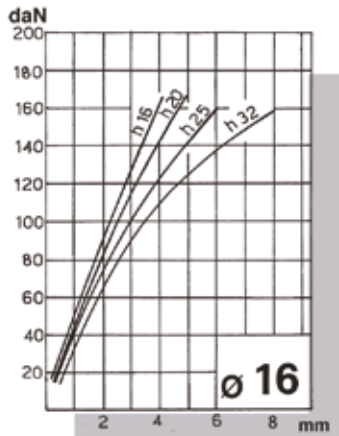
The advisable limit for the ULTRAFLEX range is +10°C.

**CURVA DA CARICO  
MOLLE IN ULTRAFLEX 82  
ULTRAFLEX 82 SPRINGS LOAD  
CURVES**

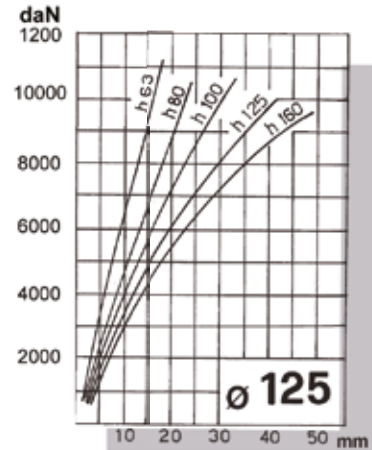
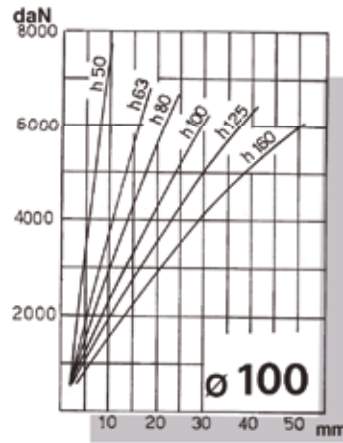
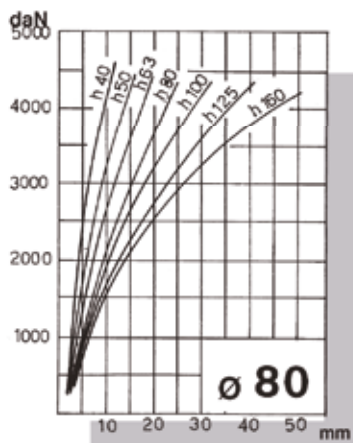
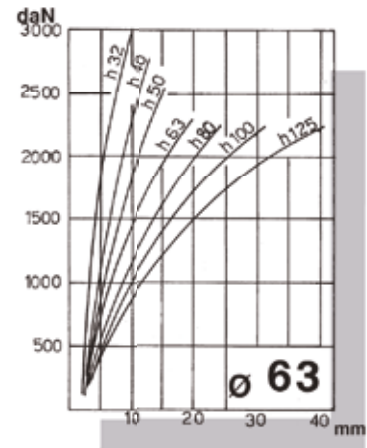
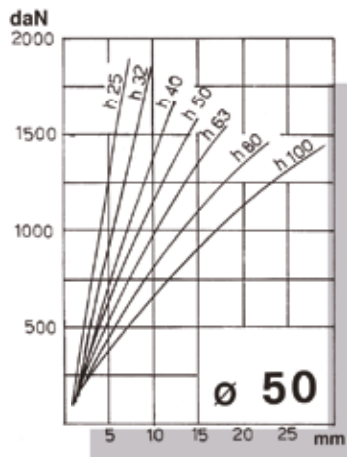
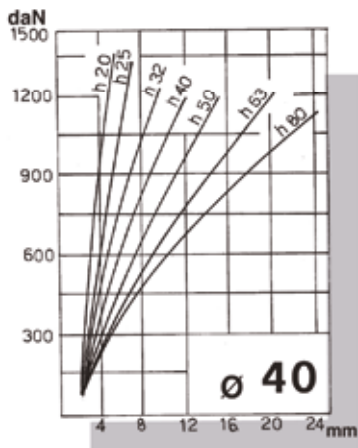
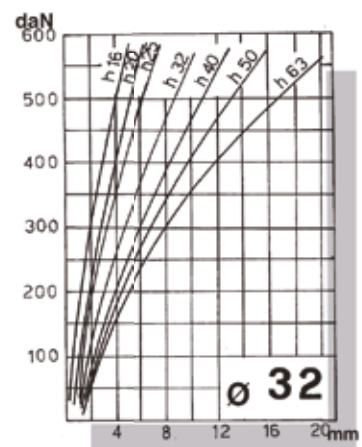
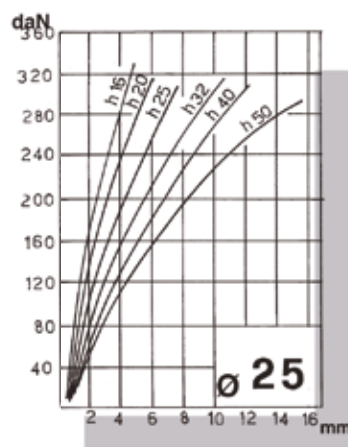
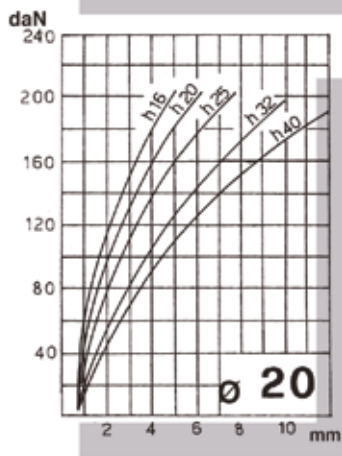
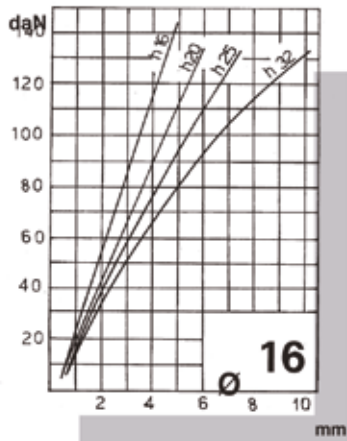




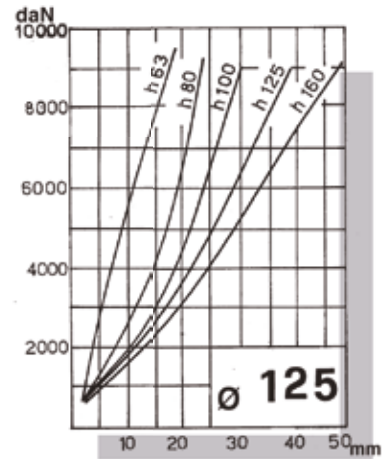
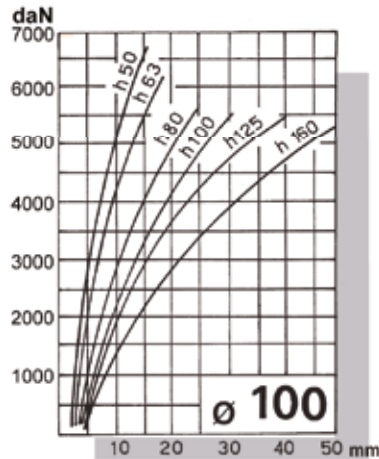
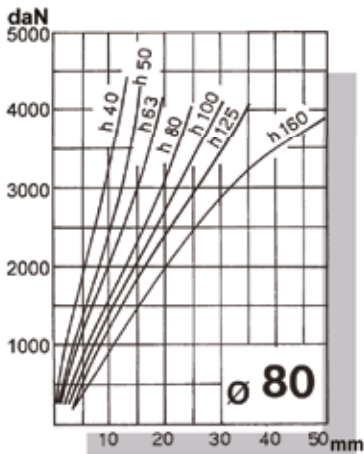
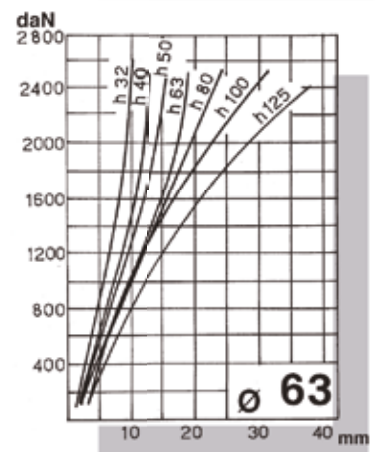
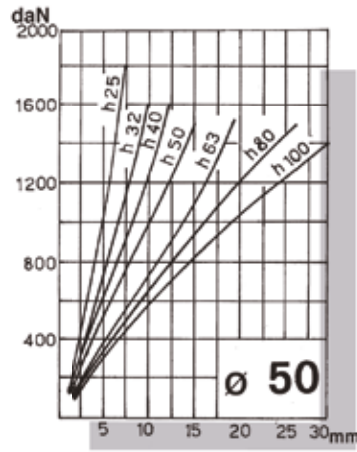
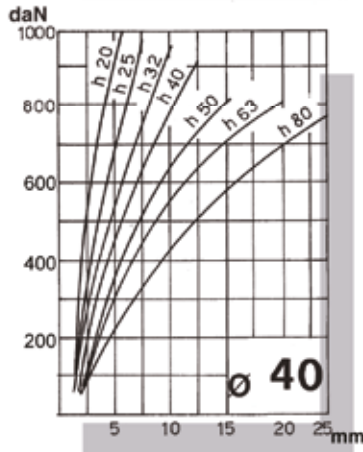
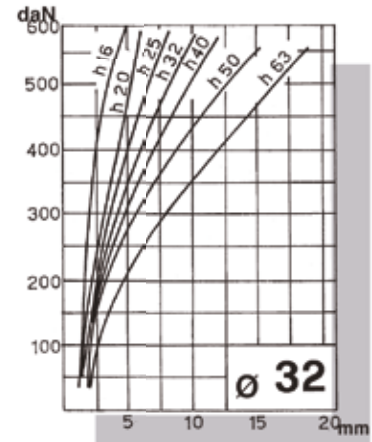
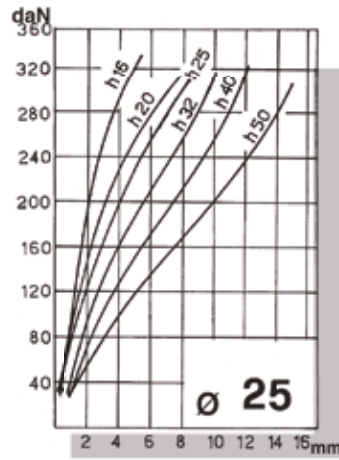
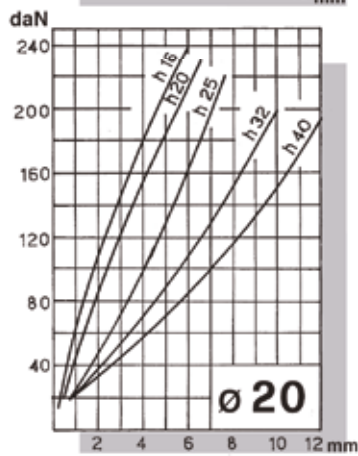
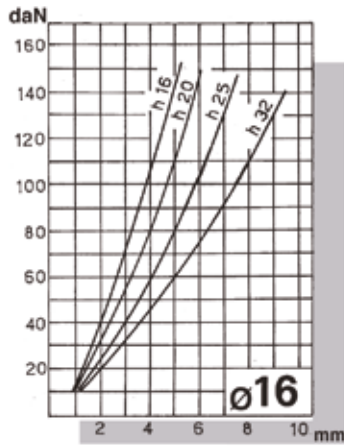
**CURVA DA CARICO  
MOLLE IN ULTRAFLEX 94  
ULTRAFLEX 94 SPRINGS LOAD  
CURVES**



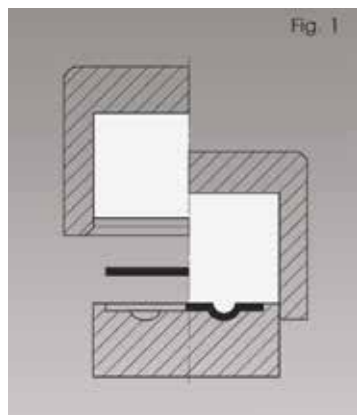
**CURVA DA CARICO  
MOLLE IN ULTRAFLEX 92  
ULTRAFLEX 92 SPRINGS LOAD  
CURVES**



**CURVA DA CARICO  
MOLLE IN ADIPOL 90  
ADIPOL 90 SPRINGS LOAD  
CURVES**

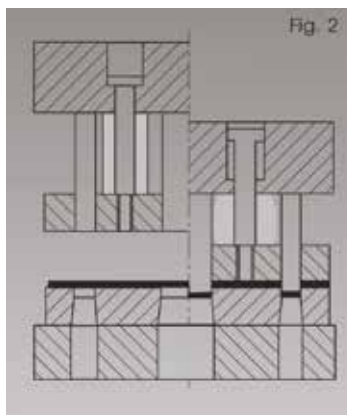


## STAMPAGGIO LAMIERIA - APPLICAZIONE DEI NOSTRI POLIURETANI STEEL FORMING - APPLICATION FOR OUR POLYURETHANES



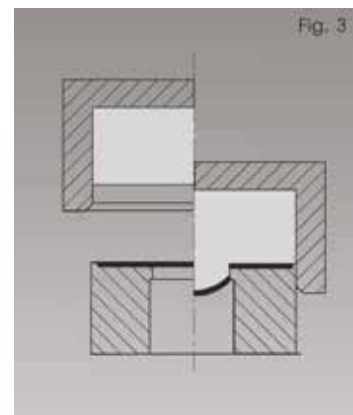
Imbutitura con matrice in ULTRAFLEX. Il carico deve essere contenuto entro una buona costruzione in acciaio. È consigliabile usare presse lente e di buon tonnellaggio in rapporto alle dimensioni del pezzo.

Drawing with ULTRAFLEX matrix. The load must be contained inside a solid structure made of steel. It is advisable to use slow presses and good tonnage with respect to the dimensions of the piece.

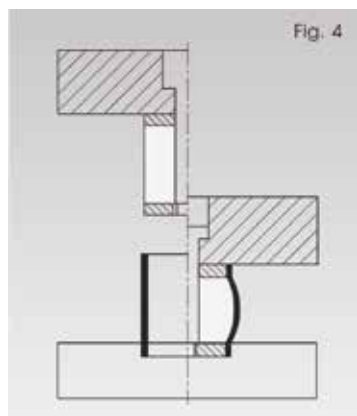


Applicazioni di molle ADIPOL e ULTRAFLEX come premiamiera ed espulsori.

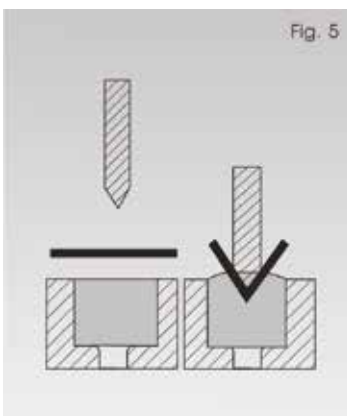
Applications of ADIPOL and ULTRAFLEX springs as blank holders and knockouts.



Tranciatura di un foro con cuscinio ADIPOL.  
Perforation of a hole with the ADIPOL pad.

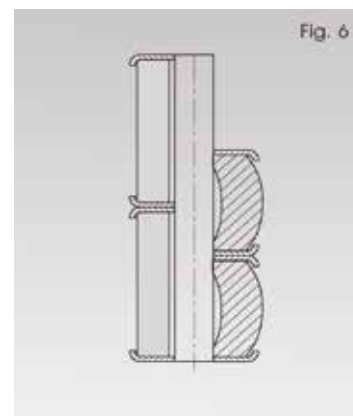


Esempio di rigonfiatura: applicazione molto utilizzata nella produzione di pentole.  
Example of bellowing, an application is widely used in the manufacturing of pots and pans.



Esempio di piegatura a profilo di lamiera (particolarmente consigliata quando non si deve rovinare la superficie del foglio: rame, alluminio, acciaio inox, etc.).

Example of bending of the plate profile (particularly advisable when the sheet surface must not be ruined: copper, aluminum, stainless steel, etc.)

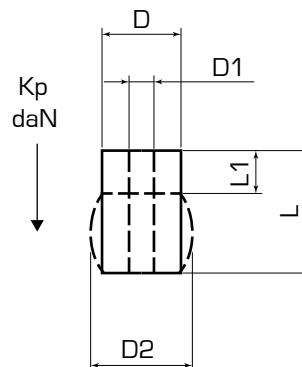


Montaggio in serie di molle ADIPOL e ULTRAFLEX con sedi metalliche divisorie.  
Sequence assembly of ADIPOL and ULTRAFLEX springs with partitioned metal seats.



## R0280

Molla elastomero forata - MF  
Elastomer hollow spring - MF



### Descrizione:

Esempio di ordinativo: R0280-05-0001  
Materiale: Elastomero poliuretano

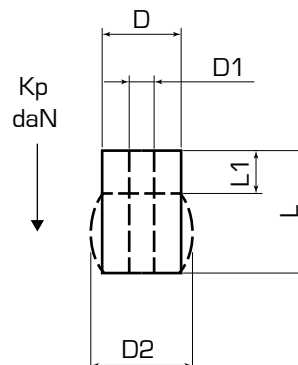
### Description:

Example of purchasing order: R0280-05-0001  
Material: Polyurethane elastomer

Codice Code	Compressione massima Maximum compression			ULTRAFLEX 82 35 %				ULTRAFLEX 92 30 %				ULTRAFLEX 94 25 %				ADIPOL 90 30 %			
	D mm	D1 mm	L mm	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.
R0280-05	16	6,5	16	0001	5,6	22	80	0002	4,8	19	130	0003	4	19	160	0004	4,8	20	140
R0280-05	16	6,5	20	0005	7	22	80	0006	6	19	130	0007	5	19	160	0008	6	20	140
R0280-05	16	6,5	25	0009	8,7	22	80	0010	7,5	19	130	0011	6,2	19	160	0012	7,5	20	140
R0280-05	16	6,5	32	0013	11,2	22	80	0014	9,6	19	130	0015	8	19	160	0016	9,6	20	140
R0280-05	20	8,5	16	0017	5,6	28	150	0018	4,8	26	200	0019	4	25	325	0020	4,8	27	210
R0280-05	20	8,5	20	0021	7	28	150	0022	6	26	200	0023	5	25	325	0024	6	27	210
R0280-05	20	8,5	25	0025	8,7	28	150	0026	7,5	26	200	0027	6,2	25	325	0028	7,5	27	210
R0280-05	20	8,5	32	0029	11,2	28	150	0030	9,6	26	200	0031	8	25	325	0032	9,6	27	210
R0280-05	20	8,5	40	0033	14	28	150	0034	12	26	200	0035	10	25	325	0036	12	27	210
R0280-05	25	10,5	16	0037	5,6	33	210	0038	4,8	30	300	0039	4	29	450	0040	4,8	31	310
R0280-05	25	10,5	20	0041	7	33	210	0042	6	30	300	0043	5	29	450	0044	6	31	310
R0280-05	25	10,5	25	0045	8,7	33	210	0046	7,5	30	300	0047	6,2	29	450	0048	7,5	31	310
R0280-05	25	10,5	32	0049	11,2	33	210	0050	9,6	30	300	0051	8	29	450	0052	9,6	31	310
R0280-05	25	10,5	40	0053	14	33	210	0054	12	30	300	0055	10	29	450	0056	12	31	310
R0280-05	25	10,5	50	0057	17,5	33	210	0058	15	30	300	0059	12,5	29	450	0060	15	31	310
R0280-05	32	13,5	16	0061	5,6	43	360	0062	4,8	41	580	0063	4	38	800	0064	4,8	40	580
R0280-05	32	13,5	20	0065	7	43	360	0066	6	41	580	0067	5	38	800	0068	6	40	580
R0280-05	32	13,5	25	0069	8,7	43	360	0070	7,5	41	580	0071	6,2	38	800	0072	7,5	40	580
R0280-05	32	13,5	32	0073	11,2	43	360	0074	9,6	41	580	0075	8	38	800	0076	9,6	40	580
R0280-05	32	13,5	40	0077	14	43	360	0078	12	41	580	0079	10	38	800	0080	12	40	580
R0280-05	32	13,5	50	0081	17,5	43	360	0082	15	41	580	0083	12,5	38	800	0084	15	40	580
R0280-05	32	13,5	63	0085	22	43	360	0086	19	41	580	0087	15,7	38	800	0088	19	40	580
R0280-05	40	13,5	20	0089	7	54	650	0090	6	50	1200	0091	5	47	1500	0092	6	50	900
R0280-05	40	13,5	25	0093	8,7	54	650	0094	7,5	50	1200	0095	6,2	47	1500	0096	7,5	50	900
R0280-05	40	13,5	32	0097	11,2	54	650	0098	9,6	50	1200	0099	8	47	1500	0100	9,6	50	900
R0280-05	40	13,5	40	0101	14	54	650	0102	12	50	1200	0103	10	47	1500	0104	12	50	900
R0280-05	40	13,5	50	0105	17,5	54	650	0106	15	50	1200	0107	12,5	47	1500	0108	15	50	900
R0280-05	40	13,5	63	0109	22	54	650	0110	19	50	1200	0111	15,7	47	1500	0112	19	50	900
R0280-05	40	13,5	80	0113	28	54	650	0114	24	50	1200	0115	20	47	1500	0116	24	50	900
R0280-05	50	17	25	0117	8,7	65	1100	0118	7,5	62	1700	0119	6,2	60	2000	0120	7,5	62	1600
R0280-05	50	17	32	0121	11,2	65	1100	0122	9,6	62	1700	0123	8	60	2000	0124	9,6	62	1600

## R0280

Molla elastomero forata - MF  
Elastomer hollow spring - MF



### Descrizione:

Esempio di ordinativo: R0280-05-0001  
Materiale: Elastomero poliuretano

### Description:

Example of purchasing order: R0280-05-0001  
Material: Polyurethane elastomer

Codice Code	Compressione massima Maximum compression			ULTRAFLEX 82 35 %				ULTRAFLEX 92 30 %				ULTRAFLEX 94 25 %				ADIPOL 90 30 %			
	D mm	D1 mm	L mm	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.	Codice Code	L1 mm	D2 mm	KP da N.
R0280-05	50	17	40	0125	14	65	1100	0126	12	62	1700	0127	10	60	2000	0128	12	62	1600
R0280-05	50	17	50	0129	17,5	65	1100	0130	15	62	1700	0131	12,5	60	2000	0132	15	62	1600
R0280-05	50	17	63	0133	22	65	1100	0134	19	62	1700	0135	15,7	60	2000	0136	19	62	1600
R0280-05	50	17	80	0137	28	65	1100	0138	24	62	1700	0139	20	60	2000	0140	24	62	1600
R0280-05	50	17	100	0141	35	65	1100	0142	30	62	1700	0143	25	60	2000	0144	30	62	1600
R0280-05	63	17	32	0145	11,2	81	1600	0146	9,6	78	2500	0147	8	74	3500	0148	9,6	76	2500
R0280-05	63	17	40	0149	14	81	1600	0150	12	78	2500	0151	10	74	3500	0152	12	76	2500
R0280-05	63	17	50	0153	17,5	81	1600	0154	15	78	2500	0155	12,5	74	3500	0156	15	76	2500
R0280-05	63	17	63	0157	22	81	1600	0158	19	78	2500	0159	15,7	74	3500	0160	19	76	2500
R0280-05	63	17	80	0161	28	81	1600	0162	24	78	2500	0163	20	74	3500	0164	24	76	2500
R0280-05	63	17	100	0165	35	81	1600	0166	30	78	2500	0167	25	74	3500	0168	30	76	2500
R0280-05	63	17	125	0169	43,7	81	1600	0170	37,5	78	2500	0171	31,2	74	3500	0172	37,5	76	2500
R0280-05	80	21	40	0173	14	103	2600	0174	12	98	4300	0175	10	95	6000	0176	12	98	4000
R0280-05	80	21	50	0177	17,5	103	2600	0178	15	98	4300	0179	12,5	95	6000	0180	15	98	4000
R0280-05	80	21	63	0181	22	103	2600	0182	19	98	4300	0183	15,7	95	6000	0184	19	98	4000
R0280-05	80	21	80	0185	28	103	2600	0186	24	98	4300	0187	20	95	6000	0188	24	98	4000
R0280-05	80	21	100	0189	35	103	2600	0190	30	98	4300	0191	25	95	6000	0192	30	98	4000
R0280-05	80	21	125	0193	43,7	103	2600	0194	37,5	98	4300	0195	31,2	95	6000	0196	37,5	98	4000
R0280-05	80	21	160	0197	56	103	2600	0198	48	98	4300	0199	40	95	6000	0200	48	98	4000
R0280-05	100	21	50	0201	17,5	126	4300	0202	15	120	6500	0203	12,5	120	10000	0204	15	123	5600
R0280-05	100	21	63	0205	22	126	4300	0206	19	120	6500	0207	15,7	120	10000	0208	19	123	5600
R0280-05	100	21	80	0209	28	126	4300	0210	24	120	6500	0211	20	120	10000	0212	24	123	5600
R0280-05	100	21	100	0213	35	126	4300	0214	30	120	6500	0215	25	120	10000	0216	30	123	5600
R0280-05	100	21	125	0217	43,7	126	4300	0218	37,5	120	6500	0219	31,2	120	10000	0220	37,5	123	5600
R0280-05	100	21	160	0221	56	126	4300	0222	48	120	6500	0223	40	120	10000	0224	48	123	5600
R0280-05	125	27	63	0225	22	160	6400	0226	19	152	10500	0227	15,7	150	15000	0228	19	155	9000
R0280-05	125	27	80	0229	28	160	6400	0230	24	152	10500	0231	20	150	15000	0232	24	155	9000
R0280-05	125	27	100	0233	35	160	6400	0234	30	152	10500	0235	25	150	15000	0236	30	155	9000
R0280-05	125	27	125	0237	43,7	160	6400	0238	37,5	152	10500	0239	31,2	150	15000	0240	37	155	9000
R0280-05	125	27	160	0241	56	160	6400	0242	48	152	10500	0243	40	150	15000	0244	48	155	9000
R0280-05	125	27	200	0245	70	160	6400	0246	60	152	10500	0247	50	150	15000	0248	60	155	9000

## R0282

Colonnina guida DIN9835 per molle elastomero - MPC  
Guide pillar for elastomer springs - MPC



### Descrizione:

Esempio di ordinativo: **R0282-05-0001**

Materiale: Acciaio ISO 12.90

Resistenza alla rottura per Trazione: 110-120 Kg/mm<sup>2</sup>

Limite di elasticità: 90 Kg/mm min.

Allungamento: 90% min.

### Description:

Example of purchasing order: **R0282-05-0001**

Material: Steel ISO 12.90

Tensile strength: 110-120 Kg/mm<sup>2</sup>

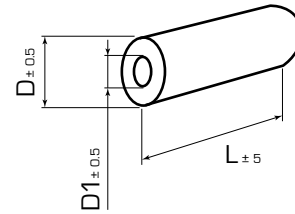
Limit of elasticity: 90 Kg/mm min.

Stretch: 90% min.

M	M4	M6	M8	M10	M12	M16	M20
D	6	8	10	13	16	20	25
L1	6	9	15	15	18	25	30
CH	3	4	5	6	8	10	14

Codice Code	L	M						
		M4	M6	M8	M10	M12	M16	M20
R0282-05	15	0001	0007	0015	0024			
R0282-05	20	0002	0008	0016	0025	0034		
R0282-05	25	0003	0009	0017	0026	0035	0045	
R0282-05	32	0004	0010	0018	0027	0036	0046	0056
R0282-05	40	0005	0011	0019	0028	0037	0047	0057
R0282-05	50	0006	0012	0020	0029	0038	0048	0058
R0282-05	63		0013	0021	0030	0039	0049	0059
R0282-05	80		0014	0022	0031	0040	0050	0060
R0282-05	95			0023	0032	0041	0051	0061
R0282-05	118				0033	0042	0052	0062
R0282-05	140					0043	0053	0063
R0282-05	180					0044	0054	0064
R0282-05	200						0055	0065

**R0278** Barra elastomero forata - BF  
 Elastomer hollow round rod - BF



**Descrizione:**

Esempio di ordinativo: R0278-05-0001  
 Materiale: Elastomero poliuretano

**Description:**

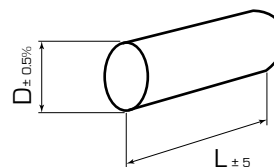
Example of purchasing order: R0278-05-0001  
 Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ULTRAFLEX 94	ADIPOL 90	ADIPOL 95
R0278-05	16	6,5	250	0001	0002	0003	0004	0005
R0278-05	20	8,5	250	0006	0007	0008	0009	0010
R0278-05	25	10,5	250	0011	0012	0013	0014	0015
R0278-05	32	13,5	500	0016	0017	0018	0019	0020
R0278-05	40	13,5	500	0021	0022	0023	0024	0025
R0278-05	50	17	500	0026	0027	0028	0029	0030
R0278-05	63	17	500	0031	0032	0033	0034	0035
R0278-05	80	21	500	0036	0037	0038	0039	0040
R0278-05	100	21	500	0041	0042	0043	0044	0045
R0278-05	125	27	500	0046	0047	0048	0049	0050



## R0279

Barra elastomero piena - BP  
Elastomer round rod - BP



### Descrizione:

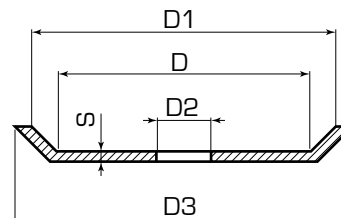
Esempio di ordinativo: R0279-05-0001  
Materiale: Elastomero poliuretano

### Description:

Example of purchasing order: R0279-05-0001  
Material: Polyurethane elastomer

Codice Code	D	L	ULTRAFLEX 82	ULTRAFLEX 92	ULTRAFLEX 94	ADIPOL 90	ADIPOL 95
R0279-05	8	250	0001	0002	0003	0004	0005
R0279-05	10	250	0006	0007	0008	0009	0010
R0279-05	12	250	0011	0012	0013	0014	0015
R0279-05	15	250	0016	0017	0018	0019	0020
R0279-05	16	250	0021	0022	0023	0024	0025
R0279-05	20	250	0026	0027	0028	0029	0030
R0279-05	25	250	0031	0032	0033	0034	0035
R0279-05	28	500	0036	0037	0038	0039	0040
R0279-05	30	500	0041	0042	0043	0044	0045
R0279-05	32	500	0046	0047	0048	0049	0050
R0279-05	35	500	0051	0052	0053	0054	0055
R0279-05	40	500	0056	0057	0058	0059	0060
R0279-05	45	500	0061	0062	0063	0064	0065
R0279-05	50	500	0066	0067	0068	0069	0070
R0279-05	60	500	0071	0072	0073	0074	0075
R0279-05	63	500	0076	0077	0078	0079	0080
R0279-05	70	500	0081	0082	0083	0084	0085
R0279-05	80	500	0086	0087	0088	0089	0090
R0279-05	90	500	0091	0092	0093	0094	0095
R0279-05	100	500	0096	0097	0098	0099	0100
R0279-05	110	500	0101	0102	0103	0104	0105
R0279-05	125	500	0106	0107	0108	0109	0110
R0279-05	140	500	0111	0112	0113	0114	0115
R0279-05	150	500	0116	0117	0118	0119	0120
R0279-05	160	500	0121	0122	0123	0124	0125
R0279-05	200	500	0126	0127	0128	0129	0130

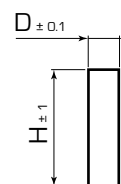
**R0283** Sedi metalliche  
Metal seats



Codice Code	D mm.	D1 mm.	D2 mm.	D3 mm.	S mm.
R0283-05-0001	16	17	6.5	88	1.2
R0283-05-0002	20	21	8.5	27	1.2
R0283-05-0003	25	26	10.5	31	1.8
R0283-05-0004	32	34	13.5	42	2
R0283-05-0005	40	42	13.5	52	2

Codice Code	D mm.	D1 mm.	D2 mm.	D3 mm.	S mm.
R0283-05-0006	50	52	16.5	64	2
R0283-05-0007	63	65	16.5	77	2
R0283-05-0008	80	82	20.5	95	2.5
R0283-05-0009	100	103	20.5	118	2.5

**R0284** Puntalini elastomero cilindrici - U92-PU  
Elastomer cylindrical push-rod - U92-PU



**Descrizione:**

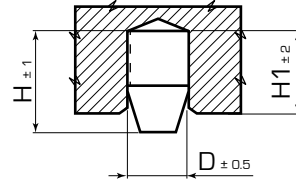
Materiale: Elastomero poliuretano

**Description:**

Material: Polyurethane elastomer

Codice Code	D	H
R0284-05-0001	2	15
R0284-05-0002	3	15
R0284-05-0003	4.5	15
R0284-05-0004	6	20

## R0614 Puntalini elastomero conici - U92-PU Elastomer compression pad - U92PU



### Descrizione:

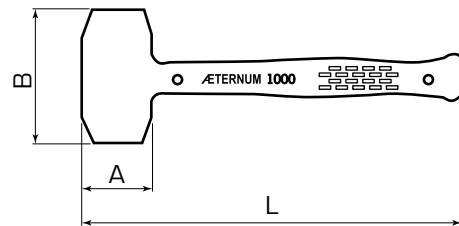
Materiale: Elastomero poliuretano

### Description:

Material: Polyurethane elastomer

Codice Code	D	H	H1
R0614-05-0001	6	10	8
R0614-05-0002	10.3	15	13
R0614-05-0003	16.4	25	21
R0614-05-0004	24.7	25	20
R0614-05-0005	40.8	10	35

## R0615 Mazzuoli - U92-MZ Elastomer mallets - U92- MZ



### Descrizione:

Materiale: Elastomero poliuretano

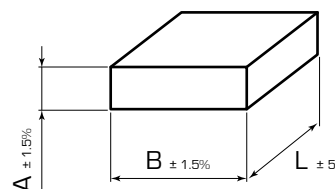
### Description:

Material: Polyurethane elastomer

Codice Code	Peso Weight (gr.)	A mm.	B mm.	L mm.
R0615-05-0001	600	50	100	270
R0615-05-0002	1000	60	115	300
R0615-05-0003	1500	65	130	350

## R0285

Listelli elastomero - LI  
Elastomer plaste - LI



### Descrizione:

Esempio di ordinativo: R0285-05-0001  
Materiale: Elastomero poliuretano

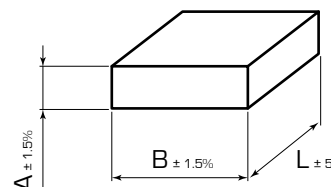
### Description:

Example of purchasing order: R0285-05-0001  
Material: Polyurethane elastomer

Codice Code	A	B	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0285-05	10	10	1000	0001	0002	0004	0005
R0285-05	10	20	1000	0006	0007	0009	0010
R0285-05	10	30	1000	0011	0012	0014	0015
R0285-05	10	50	1000	0016	0017	0019	0020
R0285-05	10	100	1000	0021	0022	0024	0025
R0285-05	15	15	1000	0026	0027	0029	0030
R0285-05	15	30	1000	0031	0032	0034	0035
R0285-05	15	50	1000	0036	0037	0039	0040
R0285-05	15	100	1000	0041	0042	0044	0045
R0285-05	20	20	1000	0046	0047	0049	0050
R0285-05	20	30	1000	0051	0052	0054	0055
R0285-05	20	50	1000	0056	0057	0059	0060
R0285-05	20	100	1000	0061	0062	0064	0065
R0285-05	25	25	1000	0066	0067	0069	0070
R0285-05	25	50	1000	0071	0072	0074	0075
R0285-05	25	100	1000	0076	0077	0079	0080
R0285-05	30	30	1000	0081	0082	0084	0085
R0285-05	30	50	1000	0086	0087	0089	0090
R0285-05	30	100	1000	0091	0092	0094	0095
R0285-05	40	40	1000	0096	0097	0099	0100
R0285-05	40	50	1000	0101	0102	0104	0105
R0285-05	40	100	1000	0106	0107	0109	0110
R0285-05	50	50	1000	0111	0112	0114	0115
R0285-05	50	100	1000	0116	0117	0119	0120
R0285-05	60	60	1000	0121	0122	0124	0125
R0285-05	80	80	1000	0126	0127	0129	0130
R0285-05	100	100	1000	0131	0132	0134	0135

## R0286

Lastre elastomero - LA  
Elastomer sheet - LA



### Descrizione:

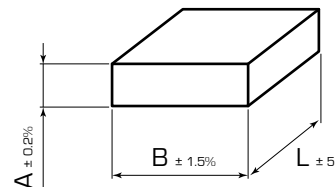
Esempio di ordinativo: R0286-05-0001  
Materiale: Elastomero poliuretano

### Description:

Example of purchasing order: R0286-05-0001  
Material: Polyurethane elastomer

Codice Code	A	B	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0286-05	12	500	500	0001	0002	0004	0005
R0286-05	15	500	500	0006	0007	0009	0010
R0286-05	20	500	500	0011	0012	0014	0015
R0286-05	25	500	500	0016	0017	0019	0020
R0286-05	30	500	500	0021	0022	0024	0025
R0286-05	40	500	500	0026	0027	0029	0030
R0286-05	45	500	500	0031	0032	0034	0035
R0286-05	50	500	500	0036	0037	0039	0040
R0286-05	12	500	1000	0041	0042	0044	0045
R0286-05	15	500	1000	0046	0047	0049	0050
R0286-05	20	500	1000	0051	0052	0054	0055
R0286-05	25	500	1000	0056	0057	0059	0060
R0286-05	30	500	1000	0061	0062	0064	0065
R0286-05	40	500	1000	0066	0067	0069	0070
R0286-05	45	500	1000	0071	0072	0074	0075
R0286-05	50	500	1000	0076	0077	0079	0080
R0286-05	10	1000	1000	0081	0082	0084	0085
R0286-05	12	1000	1000	0086	0087	0089	0090
R0286-05	15	1000	1000	0091	0092	0094	0095
R0286-05	20	1000	1000	0096	0097	0099	0100
R0286-05	25	1000	1000	0101	0102	0104	0105
R0286-05	30	1000	1000	0106	0107	0109	0110
R0286-05	35	1000	1000	0111	0112	0114	0115
R0286-05	40	1000	1000	0116	0117	0119	0120
R0286-05	45	1000	1000	0121	0122	0124	0125
R0286-05	50	1000	1000	0126	0127	0129	0130

### R0616 Lastre centrifugate - LA Elastomer sheet - LA



#### Descrizione:

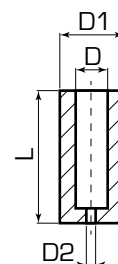
Esempio di ordinativo: R0616-05-0001  
Materiale: Elastomero poliuretano

#### Description:

Example of purchasing order: R0616-05-0001  
Material: Polyurethane elastomer

Codice Code	A	B	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0616-05	1	500	2000	0001	0002	0004	0005
R0616-05	2	500	2000	0006	0007	0009	0010
R0616-05	3	500	2000	0011	0012	0014	0015
R0616-05	4	500	2000	0016	0017	0019	0020
R0616-05	5	500	2000	0021	0022	0024	0025
R0616-05	6	500	2000	0026	0027	0029	0030
R0616-05	8	500	2000	0031	0032	0034	0035
R0616-05	10	500	2000	0036	0037	0039	0040

### R0287 Estrattori elastomero per punzonatrice - U92-ES Elastomer extractors for punching press - U92-ES



#### Descrizione:

Materiale: Elastomero poliuretano

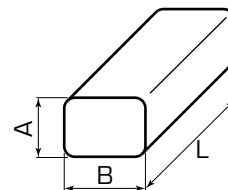
#### Description:

Material: Polyurethane elastomer

Codice Code	D	D1	L	D2
R0287-05-0001	5	18	55	1.5
R0287-05-0002	6	19	65	1.5
R0287-05-0003	8	21	75	1.5
R0287-05-0004	10	23	75	2.5

Codice Code	D	D1	L	D2
R0287-05-0005	13	26	75	3
R0287-05-0006	16	30	75	3
R0287-05-0007	20	38	75	3
R0287-05-0008	25	50	75	3

## R0617 Cuscini elastomero pieni per pressa piegatrice - U92-LI Elastomer pads for press brake - U92-LI



**Descrizione:**

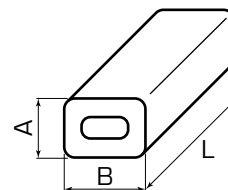
Materiale: Elastomero poliuretano

**Description:**

Material: Polyurethane elastomer

Codice Code	A	B	L
R0617-05-0001	25	25	835
R0617-05-0002	50	50	835
R0617-05-0003	50	75	835
R0617-05-0004	50	100	835

## R0618 Cuscini elastomero cavi per pressa piegatrice - U92-LF Elastomer hollow pads for press brake - U92-LF



**Descrizione:**

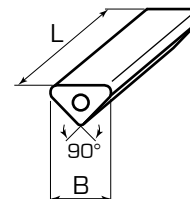
Materiale: Elastomero poliuretano

**Description:**

Material: Polyurethane elastomer

Codice Code	A	B	Asola Slot	L
R0618-05-0001	25	25	diam. 10	835
R0618-05-0002	50	50	diam. 25	835
R0618-05-0003	50	75	20 x 45	835
R0618-05-0004	50	100	20 x 60	835

## R0619 Cuscini elastomero triangolari per pressa piegatrice - U92-LT Elastomer triangular pads for press brake - U92-LT



**Descrizione:**

Materiale: Elastomero poliuretano

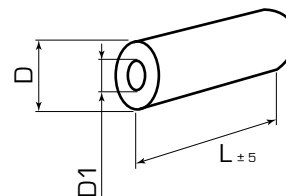
**Description:**

Material: Polyurethane elastomer

Codice Code	B	Asola Slot	L
R0619-05-0001	50	diam. 10	835

## R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



### Descrizione:

Esempio di ordinativo: R0281-05-0001  
Materiale: Elastomero poliuretano

### Description:

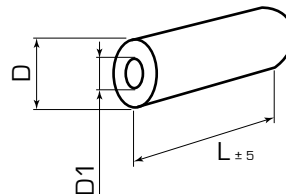
Example of purchasing order: R0281-05-0001  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	11	7	250	0001	0002	0004	0005
R0281-05	12	6,5	250	0006	0007	0009	0010
R0281-05	13	5	250	0011	0012	0014	0015
R0281-05	13	6,5	250	0016	0017	0019	0020
R0281-05	13	8	250	0021	0022	0024	0025
R0281-05	15	7	250	0026	0027	0029	0030
R0281-05	16	9	250	0031	0032	0034	0035
R0281-05	16	10	250	0036	0037	0039	0040
R0281-05	16	11	250	0041	0042	0044	0045
R0281-05	16	12	250	0046	0047	0049	0050
R0281-05	18	6	250	0051	0052	0054	0055
R0281-05	18	8	250	0056	0057	0059	0060
R0281-05	18	11	250	0061	0062	0064	0065
R0281-05	18	12	250	0066	0067	0069	0070
R0281-05	19	5	250	0071	0072	0074	0075
R0281-05	20	9	250	0076	0077	0079	0080
R0281-05	20	10,5	250	0081	0082	0084	0085
R0281-05	20	12	250	0086	0087	0089	0090
R0281-05	20	14	250	0091	0092	0094	0095
R0281-05	20	15	250	0096	0097	0099	0100
R0281-05	21	8	250	0101	0102	0104	0105
R0281-05	21	11	250	0106	0107	0109	0110
R0281-05	21	12	250	0111	0112	0114	0115
R0281-05	23,5	10,5	250	0116	0117	0119	0120
R0281-05	23,5	15	250	0121	0122	0124	0125
R0281-05	23,5	18	250	0126	0127	0129	0130
R0281-05	24	11	250	0131	0132	0134	0135
R0281-05	25	8,5	250	0136	0137	0139	0140
R0281-05	25	12	250	0141	0142	0144	0145
R0281-05	25	14	250	0146	0147	0149	0150
R0281-05	25	15	250	0151	0152	0154	0155
R0281-05	25	16,5	250	0156	0157	0159	0160
R0281-05	25	19	250	0161	0162	0164	0165
R0281-05	28	11	500	0166	0167	0169	0170
R0281-05	28	15	500	0171	0172	0174	0175
R0281-05	28	20	500	0176	0177	0179	0180
R0281-05	28	22	500	0181	0182	0184	
R0281-05	30	10,5	250	0186	0187	0189	0190
R0281-05	30	11	500	0191	0192	0194	0195
R0281-05	30	15	500	0196	0197	0199	0200
R0281-05	30	17	500	0201	0202	0204	0205
R0281-05	30	20	500	0206	0207	0209	0210
R0281-05	30	23	500	0211	0212	0214	0215
R0281-05	30	24	500	0216	0217	0219	0220
R0281-05	30	25	500	0221	0222	0224	0225
R0281-05	32	10,5	500	0226	0227	0229	0230
R0281-05	32	12	500	0231	0232	0234	0235
R0281-05	32	15	500	0236	0237	0239	0240
R0281-05	32	16	500	0241	0242	0244	0245
R0281-05	32	18	500	0246	0247	0249	0250



### R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



#### Descrizione:

Esempio di ordinativo: **R0281-05-0001**  
Materiale: Elastomero poliuretano

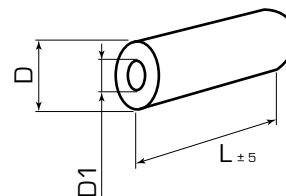
#### Description:

Example of purchasing order: **R0281-05-0001**  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	32	20	500	0251	0252	0254	0255
R0281-05	32	23	500	0256	0257	0259	0260
R0281-05	32	24	500	0261	0262	0264	0265
R0281-05	32	25	500	0266	0267	0269	0270
R0281-05	35	11	500	0271	0272	0274	0275
R0281-05	35	13,5	500	0276	0277	0279	0280
R0281-05	35	15	500	0281	0282	0284	0285
R0281-05	35	18	500	0286	0287	0289	0290
R0281-05	35	20	500	0291	0292	0294	0295
R0281-05	35	23	500	0296	0297	0299	0300
R0281-05	35	24	500	0301	0302	0304	0305
R0281-05	35	25	500	0306	0307	0309	0310
R0281-05	35	26	500	0311	0312	0314	0315
R0281-05	35	27	500	0316	0317	0319	0320
R0281-05	35	28	500	0321	0322	0324	0325
R0281-05	35	30	500	0326	0327	0329	0330
R0281-05	37	10,5	500	0331	0332	0334	0335
R0281-05	37	14	500	0336	0337	0339	0340
R0281-05	37	16	500	0341	0342	0344	0345
R0281-05	37	17	500	0346	0347	0349	0350
R0281-05	37	30	500	0351	0352	0354	0355
R0281-05	38	13,5	500	0356	0357	0359	0360
R0281-05	38	15	500	0361	0362	0364	0365
R0281-05	38	17	500	0366	0367	0369	0370
R0281-05	38	20	500	0371	0372	0374	0375
R0281-05	38	25	500	0376	0377	0379	0380
R0281-05	38	28	500	0381	0382	0384	0385
R0281-05	38	30	500	0386	0387	0389	0390
R0281-05	40	11,5	500	0391	0392	0394	0395
R0281-05	40	15	500	0396	0397	0399	0400
R0281-05	40	18	500	0401	0402	0404	0405
R0281-05	40	20	500	0406	0407	0409	0410
R0281-05	40	21	500	0411	0412	0414	0415
R0281-05	40	22	500	0416	0417	0419	0420
R0281-05	40	23	500	0421	0422	0424	0425
R0281-05	40	25	500	0426	0427	0429	0430
R0281-05	40	27	500	0431	0432	0434	0435
R0281-05	40	30	500	0436	0437	0439	0440
R0281-05	45	11	500	0441	0442	0444	0445
R0281-05	45	15	500	0446	0447	0449	0450
R0281-05	45	17	500	0451	0452	0454	0455
R0281-05	45	20	500	0456	0457	0459	0460
R0281-05	45	25	500	0461	0462	0464	0465
R0281-05	45	27	500	0466	0467	0469	0470
R0281-05	45	30	500	0471	0472	0474	0475
R0281-05	45	32	500	0476	0477	0479	0480
R0281-05	45	35	500	0481	0482	0484	0485
R0281-05	50	10	500	0486	0487	0489	0490
R0281-05	50	19	500	0491	0492	0494	0495
R0281-05	50	20	500	0496	0497	0499	0500

## R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



### Descrizione:

Esempio di ordinativo: R0281-05-0001  
Materiale: Elastomero poliuretano

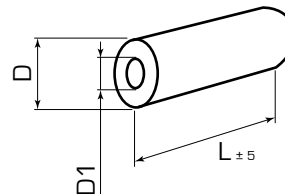
### Description:

Example of purchasing order: R0281-05-0001  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	50	22	500	0501	0502	0504	0505
R0281-05	50	25	500	0506	0507	0509	0510
R0281-05	50	27	500	0511	0512	0514	0515
R0281-05	50	30	500	0516	0517	0519	0520
R0281-05	50	32	500	0521	0522	0524	0525
R0281-05	50	35	500	0526	0527	0529	0530
R0281-05	50	38	500	0531	0532	0534	0535
R0281-05	50	40	500	0536	0537	0539	0540
R0281-05	55	17	500	0541	0542	0544	0545
R0281-05	55	20	500	0546	0547	0549	0550
R0281-05	55	21	500	0551	0552	0554	0555
R0281-05	55	25	500	0556	0557	0559	0560
R0281-05	55	28	500	0561	0562	0564	0565
R0281-05	55	30	500	0566	0567	0569	0570
R0281-05	55	31,5	500	0571	0572	0574	0575
R0281-05	55	35	500	0576	0577	0579	0580
R0281-05	55	38	500	0581	0582	0584	0585
R0281-05	55	40	500	0586	0587	0589	0590
R0281-05	55	43	500	0591	0592	0594	0595
R0281-05	60	13,5	500	0596	0597	0599	0600
R0281-05	60	17	500	0601	0602	0604	0605
R0281-05	60	20	500	0606	0607	0609	0610
R0281-05	60	23	500	0611	0612	0614	0615
R0281-05	60	25	500	0616	0617	0619	0620
R0281-05	60	28	500	0621	0622	0624	0625
R0281-05	60	30	500	0626	0627	0629	0630
R0281-05	60	32	500	0631	0632	0634	0635
R0281-05	60	35	500	0636	0637	0639	0640
R0281-05	60	37	500	0641	0642	0644	0645
R0281-05	60	40	500	0646	0647	0649	0650
R0281-05	60	43	500	0651	0652	0654	0655
R0281-05	60	50	500	0656	0657	0659	0660
R0281-05	63	13,5	500	0661	0662	0664	0665
R0281-05	63	20	500	0666	0667	0669	0670
R0281-05	63	22	500	0671	0672	0674	0675
R0281-05	63	25	500	0676	0677	0679	0680
R0281-05	63	26	500	0681	0682	0684	0685
R0281-05	63	28	500	0686	0687	0689	0690
R0281-05	63	30	500	0691	0692	0694	0695
R0281-05	63	32	500	0696	0697	0699	0700
R0281-05	63	35	500	0701	0702	0704	0705
R0281-05	63	36	500	0706	0707	0709	0710
R0281-05	63	38	500	0711	0712	0714	0715
R0281-05	63	39,5	500	0716	0717	0719	0720
R0281-05	63	40	500	0721	0722	0724	0725
R0281-05	63	45	500	0726	0727	0729	0730
R0281-05	70	21	500	0731	0732	0734	0735
R0281-05	70	25	500	0736	0737	0739	0740
R0281-05	70	30	500	0741	0742	0744	0745
R0281-05	70	40	500	0746	0747	0749	0750

### R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



#### Descrizione:

Esempio di ordinativo: **R0281-05-0001**  
Materiale: Elastomero poliuretano

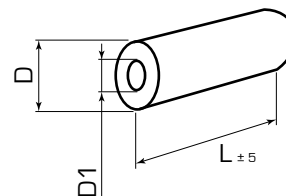
#### Description:

Example of purchasing order: **R0281-05-0001**  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	70	45	500	0751	0752	0754	0755
R0281-05	70	50	500	0756	0757	0759	0760
R0281-05	70	56	500	0761	0762	0764	0765
R0281-05	70	60	500	0766	0767	0769	0770
R0281-05	74	55	500	0771	0772	0774	0775
R0281-05	74	62	500	0776	0777	0779	0780
R0281-05	80	25	500	0781	0782	0784	0785
R0281-05	80	27	500	0786	0787	0789	0790
R0281-05	80	30	500	0791	0792	0794	0795
R0281-05	80	32	500	0796	0797	0799	0800
R0281-05	80	35	500	0801	0802	0804	0805
R0281-05	80	36	500	0806	0807	0809	0810
R0281-05	80	39	500	0811	0812	0814	0815
R0281-05	80	40	500	0816	0817	0819	0820
R0281-05	80	42	500	0821	0822	0824	0825
R0281-05	80	44	500	0826	0827	0829	0830
R0281-05	80	46	500	0831	0832	0834	0835
R0281-05	80	49,5	500	0836	0837	0839	0840
R0281-05	80	50	500	0841	0842	0844	0845
R0281-05	80	51	500	0846	0847	0849	0850
R0281-05	80	55	500	0851	0852	0854	0855
R0281-05	80	56	500	0856	0857	0859	0860
R0281-05	80	59	500	0861	0862	0864	0865
R0281-05	80	60	500	0866	0867	0869	0870
R0281-05	80	64	500	0871	0872	0874	0875
R0281-05	80	70	500	0876	0877	0879	0880
R0281-05	90	21	500	0881	0882	0884	0885
R0281-05	90	25	500	0886	0887	0889	0890
R0281-05	90	30	500	0891	0892	0894	0895
R0281-05	90	40	500	0896	0897	0899	0900
R0281-05	90	50	500	0901	0902	0904	0905
R0281-05	90	60	500	0906	0907	0909	0910
R0281-05	90	65	500	0911	0912	0914	0915
R0281-05	90	70	500	0916	0917	0919	0920
R0281-05	90	75	500	0921	0922	0924	0925
R0281-05	100	27	500	0926	0927	0929	0930
R0281-05	100	29	500	0931	0932	0934	0935
R0281-05	100	30	500	0936	0937	0939	0940
R0281-05	100	31	500	0941	0942	0944	0945
R0281-05	100	34	500	0946	0947	0949	0950
R0281-05	100	35	500	0951	0952	0954	0955
R0281-05	100	40	500	0956	0957	0959	0960
R0281-05	100	45	500	0961	0962	0964	0965
R0281-05	100	50	500	0966	0967	0969	0970
R0281-05	100	55	500	0971	0972	0974	0975
R0281-05	100	56	500	0976	0977	0979	0980
R0281-05	100	60	500	0981	0982	0984	0985
R0281-05	100	65	500	0986	0987	0989	0990
R0281-05	100	70	500	0991	0992	0994	0995
R0281-05	100	75	500	0996	0997	0999	1000

## R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



### Descrizione:

Esempio di ordinativo: R0281-05-0001  
Materiale: Elastomero poliuretano

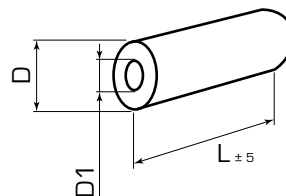
### Description:

Example of purchasing order: R0281-05-0001  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	100	80	500	1001	1002	1004	1005
R0281-05	100	87	500	1006	1007	1009	1010
R0281-05	110	27	500	1011	1012	1014	1015
R0281-05	110	30	500	1016	1017	1019	1020
R0281-05	110	40	500	1021	1022	1024	1025
R0281-05	110	50	500	1026	1027	1029	1030
R0281-05	110	60	500	1031	1032	1034	1035
R0281-05	110	70	500	1036	1037	1039	1040
R0281-05	110	80	500	1041	1042	1044	1045
R0281-05	110	90	500	1046	1047	1049	1050
R0281-05	120	21	500	1051	1052	1054	1055
R0281-05	120	30	500	1056	1057	1059	1060
R0281-05	120	50	500	1061	1062	1064	1065
R0281-05	120	70	500	1066	1067	1069	1070
R0281-05	120	90	500	1071	1072	1074	1075
R0281-05	120	100	500	1076	1077	1079	1080
R0281-05	125	29	500	1081	1082	1084	1085
R0281-05	125	30	500	1086	1087	1089	1090
R0281-05	125	31	500	1091	1092	1094	1095
R0281-05	125	34	500	1096	1097	1099	1100
R0281-05	125	35	500	1101	1102	1104	1105
R0281-05	125	36	500	1106	1107	1109	1110
R0281-05	125	39	500	1111	1112	1114	1115
R0281-05	125	40	500	1116	1117	1119	1120
R0281-05	125	42	500	1121	1122	1124	1125
R0281-05	125	43	500	1126	1127	1129	1130
R0281-05	125	44	500	1131	1132	1134	1135
R0281-05	125	45	500	1136	1137	1139	1140
R0281-05	125	46	500	1141	1142	1144	1145
R0281-05	125	48	500	1146	1147	1149	1150
R0281-05	125	50	500	1151	1152	1154	1155
R0281-05	125	54	500	1156	1157	1159	1160
R0281-05	125	56	500	1161	1162	1164	1165
R0281-05	125	58	500	1166	1167	1169	1170
R0281-05	125	60	500	1171	1172	1174	1175
R0281-05	125	65	500	1176	1177	1179	1180
R0281-05	125	70	500	1181	1182	1184	1185
R0281-05	125	75	500	1186	1187	1189	1190
R0281-05	125	80	500	1191	1192	1194	1195
R0281-05	125	90	500	1196	1197	1199	1200
R0281-05	125	100	500	1201	1202	1204	1205
R0281-05	130	27	500	1206	1207	1209	1210
R0281-05	130	30	500	1211	1212	1214	1215
R0281-05	130	39	500	1216	1217	1219	1220
R0281-05	130	40	500	1221	1222	1224	1225
R0281-05	130	50	500	1226	1227	1229	1230
R0281-05	130	54	500	1231	1232	1234	1235
R0281-05	130	60	500	1236	1237	1239	1240
R0281-05	130	70	500	1241	1242	1244	1245
R0281-05	130	80	500	1246	1247	1249	1250

## R0281

Manicotti elastomero - MA  
Elastomer sleeves - MA



### Descrizione:

Esempio di ordinativo: **R0281-05-0001**  
Materiale: Elastomero poliuretano

### Description:

Example of purchasing order: **R0281-05-0001**  
Material: Polyurethane elastomer

Codice Code	D	D1	L	ULTRAFLEX 82	ULTRAFLEX 92	ADIPOL 90	ADIPOL 95
R0281-05	130	90	500	1251	1252	1254	1255
R0281-05	130	100	500	1256	1257	1259	1260
R0281-05	130	110	500	1261	1262	1264	1265
R0281-05	140	27	500	1266	1267	1269	1270
R0281-05	140	30	500	1271	1272	1274	1275
R0281-05	140	40	500	1276	1277	1279	1280
R0281-05	140	50	500	1281	1282	1284	1285
R0281-05	140	60	500	1286	1287	1289	1290
R0281-05	140	70	500	1291	1292	1294	1295
R0281-05	140	80	500	1296	1297	1299	1300
R0281-05	140	90	500	1301	1302	1304	1305
R0281-05	140	100	500	1306	1307	1309	1310
R0281-05	140	110	500	1311	1312	1314	1315
R0281-05	140	120	500	1316	1317	1319	1320
R0281-05	150	30	500	1321	1322	1324	1325
R0281-05	150	40	500	1326	1327	1329	1330
R0281-05	150	50	500	1331	1332	1334	1335
R0281-05	150	60	500	1336	1337	1339	1340
R0281-05	150	65	500	1341	1342	1344	1345
R0281-05	150	70	500	1346	1347	1349	1350
R0281-05	150	80	500	1351	1352	1354	1355
R0281-05	150	90	500	1356	1357	1359	1360
R0281-05	150	100	500	1361	1362	1364	1365
R0281-05	150	110	500	1366	1367	1369	1370
R0281-05	150	120	500	1371	1372	1374	1375
R0281-05	150	130	500	1376	1377	1379	1380
R0281-05	160	27	500	1381	1382	1384	1385
R0281-05	160	30	500	1386	1387	1389	1390
R0281-05	160	36	500	1391	1392	1394	1395
R0281-05	160	40	500	1396	1397	1399	1400
R0281-05	160	50	500	1401	1402	1404	1405
R0281-05	160	65	500	1406	1407	1409	1410
R0281-05	160	70	500	1411	1412	1414	1415
R0281-05	160	80	500	1416	1417	1419	1420
R0281-05	160	90	500	1421	1422	1424	1425
R0281-05	160	100	500	1426	1427	1429	1430
R0281-05	160	110	500	1431	1432	1434	1435
R0281-05	160	120	500	1436	1437	1439	1440
R0281-05	200	27	500	1441	1442	1444	1445
R0281-05	200	30	500	1446	1447	1449	1450
R0281-05	200	40	500	1451	1452	1454	1455
R0281-05	200	50	500	1456	1457	1459	1460
R0281-05	200	60	500	1461	1462	1464	1465
R0281-05	200	70	500	1466	1467	1469	1470
R0281-05	200	80	500	1471	1472	1474	1475
R0281-05	200	100	500	1476	1477	1479	1480
R0281-05	200	150	500				

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



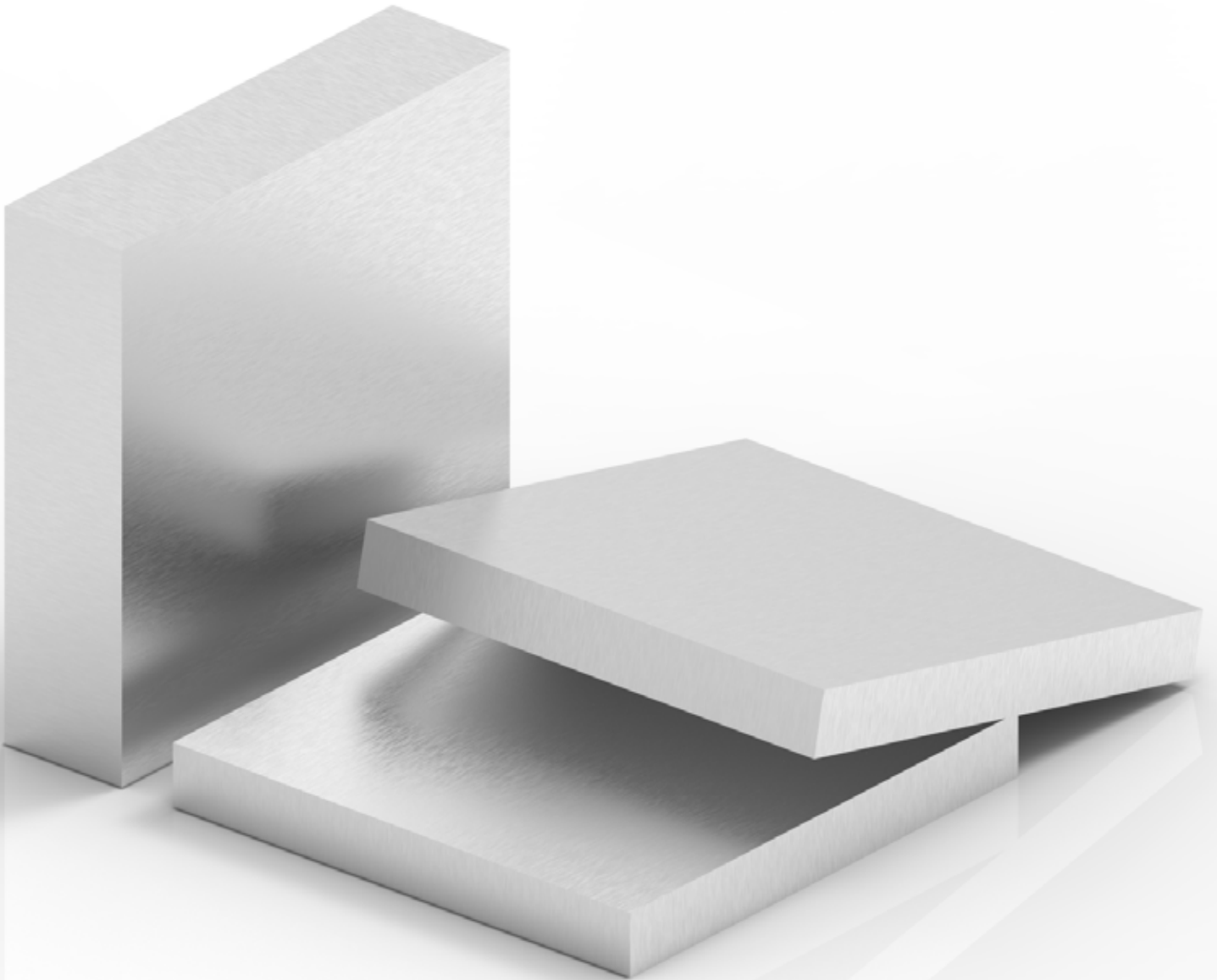
## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

**PIASTRE ACCIAIO**  
**STEEL PLATES**


















**Ranco**





# INDICE INDEX

<b>PIASTRE RETTIFICATE FINISHED FLAT STEEL PLATES</b>			
<b>R0288</b>		Piastra rettificata - P2842R Finished flat steel plate - P2842R	<b>13</b>
<b>R0298</b>		Piastra rettificata - P1730 Finished flat steel plate - P1730	<b>15</b>
<b>PIASTRE PRE-RETTIFICATE PRE-FINISHED FLAT STEEL PLATES</b>			
<b>R0630</b>		Piastra pre-rettificata - P2842 Pre-finished flat steel plate - P2842	<b>16</b>
<b>R0290</b>		Piastra pre-rettificata - P2379 Pre-finished flat steel plate - P2379	<b>18</b>
<b>R0289</b>		Piastra pre-rettificata - P2436 Pre-finished flat steel plate - P2436	<b>20</b>
<b>R0291</b>		Piastra pre-rettificata - P2767 Pre-finished flat steel plate - P2767	<b>22</b>
<b>R0292</b>		Piastra pre-rettificata - P2363 Pre-finished flat steel plate - P2363	<b>23</b>
<b>R0293</b>		Piastra pre-rettificata - P2343 Pre-finished flat steel plate - P2343	<b>24</b>
<b>R0294</b>		Piastra pre-rettificata - P2311 Pre-finished flat steel plate - P2311	<b>25</b>
<b>R0295</b>		Piastra pre-rettificata - P2312 Pre-finished flat steel plate - P2312	<b>26</b>
<b>R0296</b>		Piastra pre-rettificata - P2162 Pre-finished flat steel plate - P2162	<b>27</b>
<b>R0297</b>		Piastra pre-rettificata - P2085 Pre-finished flat steel plate - P2085	<b>28</b>
<b>R0299</b>		Piastra pre-rettificata - P0570 Pre-finished flat steel plate - P0570	<b>29</b>
<b>R0657</b>		Piastra pre-rettificata - TOOLOX 33 Pre-finished flat steel plate - TOOLOX 33	<b>30</b>
<b>R0658</b>		Piastra pre-rettificata - TOOLOX 44 re-finished flat steel plate - TOOLOX 44	<b>31</b>



## R0288 - R0630

### Material: 1.2842

Elevata stabilità dimensionale, resistente al taglio e all'usura.

**Possibili impieghi:** produzione di strumenti, calibri, matrici, sagome, utensili per punzonatura e strumenti di misurazione, parti di precisione e guide di scorrimento.

**Fornitura di acciaio piatto:** in piastre di lunghezza 500, 1000 e 1030mm, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 229 HB (max 770 N/mm<sup>2</sup>)

### Composizione chimica:

C:0.9% Mn:2.0% Cr:0.4% V:0.1%

### Trattamento termico:

Ricottura di distensione: 650-680 °C

Ricottura di lavorabilità: 680-720 °C

Temperatura: 780-800 °C

Raffreddamento rapido: Olio o bagno caldo

Rinvenimento: 180-200 °C

### Material: 1.2842

High degree of dimensional stability retains its cutting properties, resistant to wear.

**Range of application:** manufacture of jigs, gauges, dies, templates, rules, blanking tools, measuring instruments, precision parts and guide slide rails.

**Flat steel supplied:** in length 500, 1000 and 1030 mm, in plate form with square cross section and as square dimensions, soft annealed, max. 229 HB (max. 770 N/mm<sup>2</sup>).

### Standard analysis:

C:0.9% Mn:2.0% Cr:0.4% V:0.1%

### Heat treatment data:

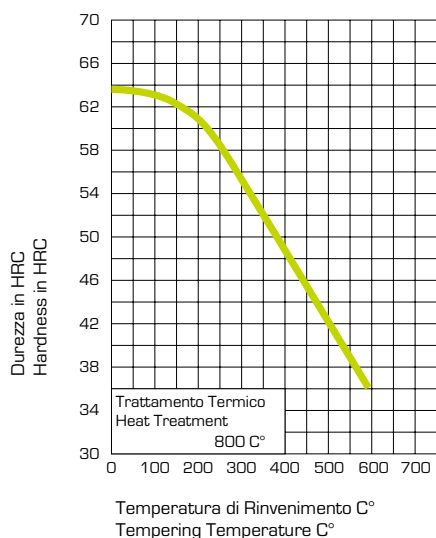
Stress-relief annealing: 650-680 °C

Soft annealing: 680-720 °C

Hardening: 780-800 °C

Quenching: Oil or warm bath

Tempering: 180-200 °C



## R0298

### Material: 1.1730

### Possibili impieghi:

**Fornitura di acciaio piatto:** in piastre di lunghezza 500 e 1030mm, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 207 HB (max 700 N/mm<sup>2</sup>)

### Composizione chimica:

C:0.45% Mn:0.7% Si:0.3%

### Trattamento termico:

Ricottura di distensione: 600-650 °C

Ricottura di lavorabilità: 680-710 °C

Temperatura: 800-830 °C

Raffreddamento rapido: Acqua, olio

Rinvenimento: 160-300 °C

### Material: 1.1730

Chills with hard surface and tough core, good machinability, cold work steel.

**Range of application:** mounting plates and rails for plastic moulds, blow and foaming forms with only little requirements as to grinding qualities, all kinds of manual and agricultural tools.

**Flat steel supplied:** in length 500 and 1030 mm with machining allowance, in plate form with square cross section and square dimensions, soft annealed, max. 207 HB (max. 700 N/mm<sup>2</sup>)

### Standard analysis:

C:0.45% Mn:0.7% Si:0.3%

### Heat treatment data:

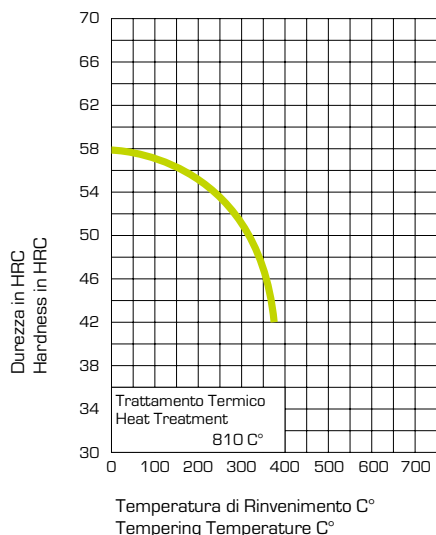
Stress-relief annealing: 600-650 °C

Soft annealing: 680-710 °C

Hardening: 800-830 °C

Quenching: Water, oil

Tempering: 160-300 °C



## R0290

**Materiale:** 1.2379

Buona durezza, ottima resistenza all'usura, distorsione minima, nitruabile dopo speciale trattamento termico.

**Possibili impieghi:** produzione di utensili da taglio e trancitura per materiali ad alta resistenza, lame per cesoia, matrici per sbavatura, rulli per zincatura metodo "Sedzimler", parti fragili ecc.

**Fornitura di acciaio piatto:** in piastre di lunghezza 500 e 1030 mm, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 255 HB (max 860 N/mm<sup>2</sup>)

**Composizione chimica:**  
C:1.55% Cr:12.0% Mo:0.7% V:1.0%

**Trattamento termico:**

Ricottura di distensione: 650-700 °C

Ricottura di lavorabilità: 800-850 °C

Temperatura: 1000-1050 °C

Raffreddamento rapido: Olio, bagno caldo 500°, alta pressione

Rinvenimento: 480-580 °C

**Trattamento termico speciale:** in caso di nitrazione o elettroerosione, la temperatura di rinvenimento deve essere maggiore del livello massimo di durezza secondaria. Si raccomanda di ripetere il rinvenimento tre volte.

**Material:** 1.2379

Good toughness, maximum wear hardness, minimum distortion, nitrate after special heat treatment.

**Range of application:** cutting tools and punching dies for materials with high toughness, shear blades, trimming dies, planetary rolling mills, parts sensitive to breaking ect.

**Flat steel supplied:** in length 500 and 1030 mm, in plate form with square cross section and as square dimensions, soft annealed, max. 255 HB (max. 860 N/mm<sup>2</sup>).

**Standard analysis:**

C:1.55% Cr:12.0% Mo:0.7% V:1.0%

**Heat treatment data:**

Stress-relief annealing: 650-700 °C

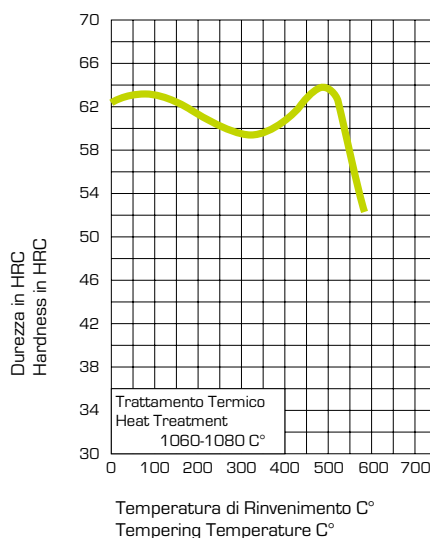
Soft annealing: 800-850 °C

Hardening: 1000-1050 °C

Quenching: Oil, warm bath 500°, gas excess pressure

Tempering: 480-580 °C

**Special heat treatment:** if the material is eroded or nitrified the tempering temperature has to be above the secondary hardness maximum. A triple tempering is recommendable.



## R0289

**Materiale:** 1.2436

Per alte prestazioni di durezza e resistenza all'usura

**Possibili impieghi:** produzione di utensili da taglio o goffatura, brocciatura, punzonatura, utensili per stampaggio, piegatura, regoli per piegatura e lame.

**Fornitura di acciaio piatto:** in piastre di lunghezza 500 e 1030 mm, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 229 HB (max 860 N/mm<sup>2</sup>)

**Composizione chimica:**  
C:2.1% Cr:12.0% W:0.7%

**Trattamento termico:**

Ricottura di distensione: 650-700 °C

Ricottura di lavorabilità: 800-840 °C

Temperatura: 960-980 °C

Raffreddamento rapido: Olio, bagno caldo o alta pressione

Rinvenimento: 170-190 °C

**Material:** 1.2436

High degree of dimensional stability retains its cutting properties, resistant to wear.

**Range of application:** manufacturing of cutting tools and stamping dies, broaching tools, dies, compression moulding dies, bending tools, bevelling tools and cutter.

**Flat steel supplied:** in length 500 and 1030 mm, in plate form with square cross section and square dimensions, soft annealed, max. 229 HB (max. 860 N/mm<sup>2</sup>).

**Standard analysis:**

C:2.1% Cr:12.0% V:0.7%

**Heat treatment data:**

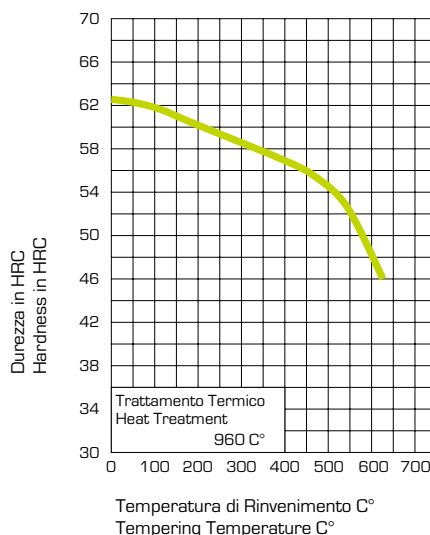
Stress-relief annealing: 650-700 °C

Soft annealing: 800-840 °C

Hardening: 960-980 °C

Quenching: Oil, air, warm bath or gas excess pressure

Tempering: 170-190 °C



## R0291

### Material: 1.2767

Acciaio da utensili con ottima caratteristica di termo-indurimento e tenacità. In virtù dell'alta concentrazione di nickel presenta buona lucidabilità, fotoincidibilità e erodibilità.

**Possibili impieghi:** ottimamente indicato per inserti temprati per stampi ad iniezione plastica, utensili per la piegatura, barre di pressione nelle attrezzature per presse piegatrici, lame per prodotti da taglio ad alta densità.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 285 HB (max 965 N/mm<sup>2</sup>)

**Composizione chimica:**  
C:0.45% Cr:1.4% Mo:0.3% Ni:4.1%

#### Trattamento termico:

Ricottura di distensione: 600-650 °C

Ricottura di lavorabilità: 620-650 °C

Temperatura: 840-870 °C

Raffreddamento rapido: Olio, aria o bagno caldo

Rinvenimento: 170-190 °C

### Material: 1.2767

Tool steel with very good qualities as to hardness and toughness due to its high content of nickel. Good polishing, photoetching and erosion qualities.

**Range of application:** through hardened inserts for plastic injection moulds, bending tools, pressure pads of bevelling tools, shear blades.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions, soft annealed, max. 285 HB (max. 965 N/mm<sup>2</sup>).

#### Standard analysis:

C:0.45% Cr:1.4% Mo:0.3% Ni:4.1%

#### Heat treatment data:

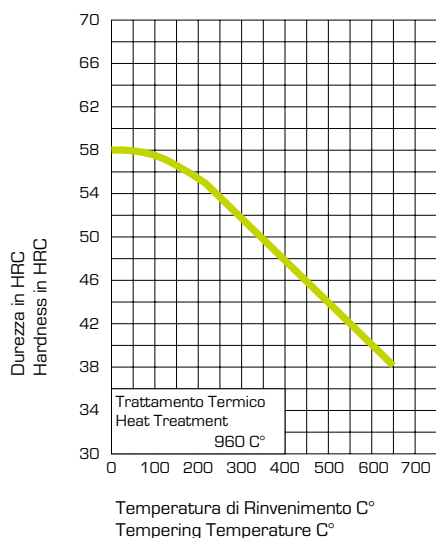
Stress-relief annealing: 600-650 °C

Soft annealing: 620-650 °C

Hardening: 840-870 °C

Quenching: Oil, air or warm bath

Tempering: 170-190 °C



## R0292

### Material: 1.2363

Elevata stabilità dimensionale durante il trattamento termico, alta resistenza alla pressione.

**Possibili impieghi:** per utensili da taglio e tranciatura, puleggie, lame per cesoia, filettrici, utensili per stampaggio a freddo, spine di calibrazione e laminatoio a passo pellegrino, calibri e strumenti di misurazione, stampi per lavorazione materie plastiche.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 241 HB (max 820 N/mm<sup>2</sup>)

**Composizione chimica:**  
C:1.0% Cr:5.2% Mo:1.2% V:0.3%

#### Trattamento termico:

Ricottura di distensione: 650-680 °C

Ricottura di lavorabilità: 800-840 °C

Temperatura: 960-980 °C

Raffreddamento rapido: Olio, aria o bagno caldo

Rinvenimento: 170-190 °C

### Material: 1.2363

High degree of dimensional stability during heat treatment, good compression resistance.

**Range of application:** cutting tools and punching dies, rolls, shear cutters, thread rolling dies, cold embossing tools, calibration arbors and pilger mandrels, gauges and measuring instruments, moulds for plastics processing.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions, soft annealed, max. 241 HB (max. 820 N/mm<sup>2</sup>).

#### Standard analysis:

C:1.0% Cr:5.2% Mo:1.2% V:0.3%

#### Heat treatment data:

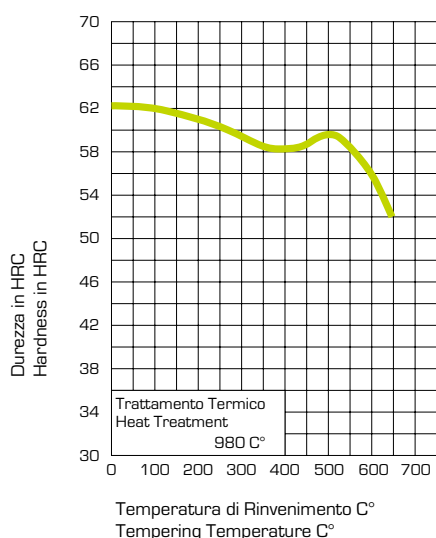
Stress-relief annealing: 650-680 °C

Soft annealing: 800-840 °C

Hardening: 960-980 °C

Quenching: Oil, air or warm bath

Tempering: 170-190 °C



## R0293

**Materiale:** 1.2343

Alta tenacità e al tempo stesso durezza di lavorazione, alta resistenza all'usura termica, conducibilità termica e resistenza al rinvenimento particolarmente buone, ottima temprabilità in aria, raffreddabile con acqua, nitruabile, buona lucidabilità, erodibilità, possibilità di zigrinatura.

**Possibili impieghi:** acciaio per lavorazione a caldo per stampi da pressofusione, estrusione, lame per cesoia a caldo e a freddo, utensili da forgia e altri utensili per la lavorazione a caldo.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, sottoposte a trattamento di addolcimento, durezza massima 229 HB [max 770 N/mm<sup>2</sup>]

**Composizione chimica:**

C:0.37% Si:1.0% Cr:5.3% Mo:1.3% V:0.4%

**Trattamento termico:**

Ricottura di distensione: 650-680 °C  
Ricottura di lavorabilità: 750-780 °C  
Tempratura: 1000-1030 °C  
Raffreddamento rapido: Olio, aria o bagno caldo  
Rinvenimento: 560-680 °C

**Trattamento termico speciale:** in caso di niturazione o elettroerosione, la temperatura di rinvenimento deve essere maggiore del livello massimo di durezza secondaria. Si raccomanda di ripetere il rinvenimento due volte.

**Material:** 1.2343

High toughness combined with high working hardness, high wear resistance, extremely good calorific conductivity, good tempering properties and extremely good air hardening, water cooling possible, nitrable, good polishing qualities. Suitable for eroding.

**Range of application:** hot forming tool steel for die casting, extrusion die, warm and cold shearing blades and other hot forming tools.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and as square dimensions, soft annealed, max. 229 HB [max. 770 N/mm<sup>2</sup>].

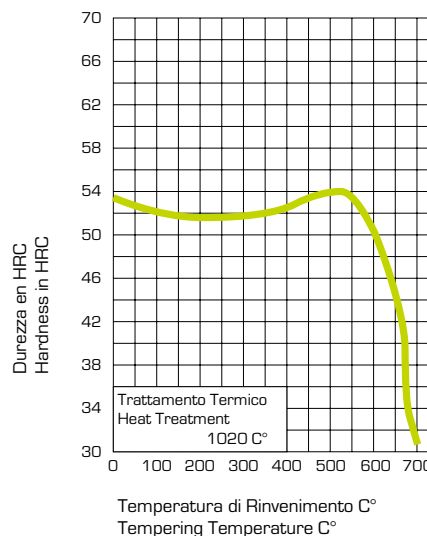
**Standard analysis:**

C:0.37% Si:1.0% Cr:5.3% Mo:1.3% V:0.4%

**Heat treatment data:**

Stress-relief annealing: 650-680 °C  
Soft annealing: 750-780 °C  
Hardening: 1000-1030 °C  
Quenching: Oil, air or warm bath  
Tempering: 560-680 °C

**Special heat treatment:** if the material is eroded or nitrified the tempering temperature has to be above the secondary hardness maximum. A double tempering is recommendable.



## R0294

**Materiale:** 1.2311

Lucidabile, nitruabile, adatto per cromatura e zigrinatura.

**Possibili impieghi:** stampi per materie plastiche, porta stampi materie plastiche e pressofusione.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, bonificato 280-325 HB (circa 950-1100 N/mm<sup>2</sup>)

**Composizione chimica:**

C:0.4% Si:0.4% Mn:1.5% Cr:1.9% Mo:0.2%

**Trattamento termico:**

Ricottura di lavorabilità: 710-740 °C  
Ricottura di distensione: max 480 °C

Viene utilizzato nello stato in cui viene consegnato.

Si raccomanda un trattamento di distensione in caso di truciatura della geometria parziale superiore al 30% prima della finitura.

**Material:** 1.2311

Good polishing qualities, nitrable, chromium-plating and embossing possible.

**Range of application:** plastic moulds, holding blocks for plastic and die casting moulds.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions, hardened and tempered 280-325 HB (approx. 950-1100 N/mm<sup>2</sup>).

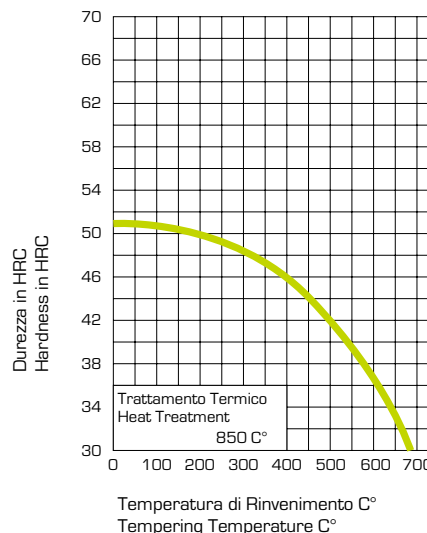
**Standard analysis:**

C:0.4% Si:0.4% Mn:1.5% Cr:1.9% Mo:0.2%

**Heat treatment data:**

Soft annealing: 710-740 °C  
Stress-relief annealing: max. 480 °C

It is used in the supply conditions. Stress-relief annealing is recommended in case of more than 30% machining of the part prior to the final processing.



## R0295

### Materiale: 1.2312

Eccellente truciolatura, nitrurabile, non indicato per trattamento con acidi, per lucidatura, cromatura dura o zigrinatura.

**Possibili impieghi:** stampi per materie plastiche, porta stampi materie plastiche e pressofusione.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, bonificato 280-325 HB (circa 950-1100 N/mm<sup>2</sup>)

### Composizione chimica:

C:0.4% Mn:1.5% S:0.07% Cr:1.9% Mo:0.2%

### Trattamento termico:

Ricottura di lavorabilità: 710-740 °C  
Ricottura di distensione: max 480 °C

Viene utilizzato nello stato in cui viene consegnato.

Si raccomanda un trattamento di distensione in caso di truciolatura della geometria parziale superiore al 30% prima della finitura.

### Material: 1.2312

Top machinability, nitrable. Not suitable for etching, polishing, hard chrome plating or embossing.

**Range of application:** plastic moulds, holding blocks for plastic and die casting moulds.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions, hardened and tempered 280-325 HB (approx. 950-1100 N/mm<sup>2</sup>).

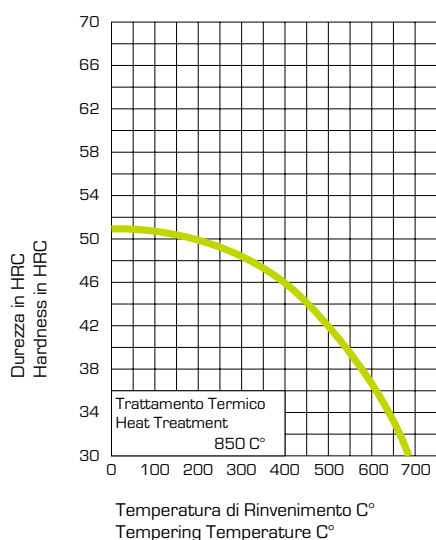
### Standard analysis:

C:0.4% Mn:1.5% S:0.07% Cr:1.9% Mo:0.2%

### Heat treatment data:

Soft annealing: 710-740 °C  
Stress-relief annealing: max. 480 °C

It is used in the supply conditions. Stress-relief annealing is recommended in case of more than 30% machining of the part prior to the final processing.



## R0296

### Materiale: 1.2162

Acciaio per lavorazione a freddo, dopo opportuno trattamento termico si raggiunge una buona durezza in superficie ed un alto grado di plasticità all'interno, nitrurabile.

**Possibili impieghi:** utensili per lavorazione materie plastiche, pignoni, ingranaggi, cremagliere, elementi di macchine e guide.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, sottoposta a trattamento di addolcimento, max. 217 HB (max. 750 N/mm<sup>2</sup>).

### Composizione chimica:

C:0.19% Mn:1.3% Cr:1.0% Si:0.3%

### Trattamento termico:

Ricottura di distensione: 650-680 °C  
Ricottura di lavorabilità: 670-710 °C  
Cementazione: 870-900 °C  
Temperatura: 810-840 °C  
Raffreddamento rapido: Olio o bagno caldo  
Rinvenimento: 150-300 °C

Durezza massima 62 HRC dopo cementazione.

### Material: 1.2162

Cold work steel, after a corresponding heat treatment a sufficient surface hardness is obtained together with a high toughness in the core, nitrable.

**Range of application:** plastic processing tools, pinions, toothed wheels, toothed racks, machine parts and guides.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions, soft annealed, max. 217 HB (max. 750 N/mm<sup>2</sup>).

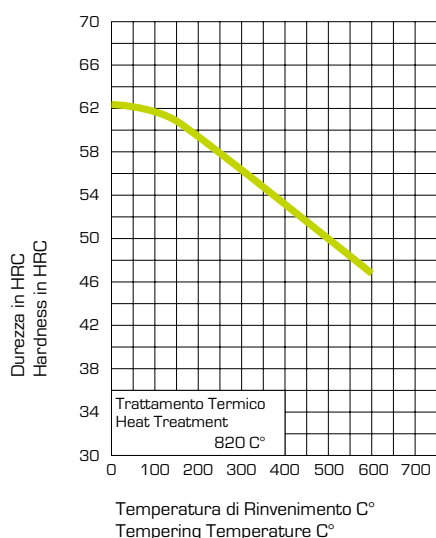
### Standard analysis:

C:0.19% Mn:1.3% Cr:1.0% Si:0.3%

### Heat treatment data:

Stress-relief annealing: max. 650-680 °C  
Soft annealing: 670-710 °C  
Carburizing temperature: 870-900 °C  
Hardening: 810-840 °C  
Quenching: Oil or warm bath  
Tempering: 150-300 °C

Max. hardness 62 HRC after case-hardening and hardening.



## R0297

**Materiale:** 1.2085

Acciaio bonificato resistente alla corrosione con condizioni di truciolatura nettamente migliori rispetto al materiale 1.2316.

**Possibili impieghi:** acciaio per portastampi, utensili per lavorazione di materie plastiche ad effetto corrosivo.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, bonificato, durezza massima 280-325 HB (circa 950-1100 N/mm<sup>2</sup>)

**Composizione chimica:**

C:0.3% Si:0.5% Mn:1.0%  
Cr:16.0% Ni:0.3% S:0.1%

**Trattamento termico:**

Ricottura di distensione: max. 480 °C  
Ricottura di lavorabilità: 850-880 °C

Viene utilizzato nello stato in cui viene consegnato.

Si raccomanda un trattamento di distensione in caso di truciolatura della geometria parziale superiore al 30% prima della finitura.

**Material:** 1.2085

Tempered and hardened, corrosion resistant steel with significantly improved machining characteristics compared to material 1.2316.

**Range of application:** for holding blocks and tools for processing of corrosive plastic.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and as square dimensions, tempered and hardened, max. 280-325 HB (approx. 950-1100 N/mm<sup>2</sup>).

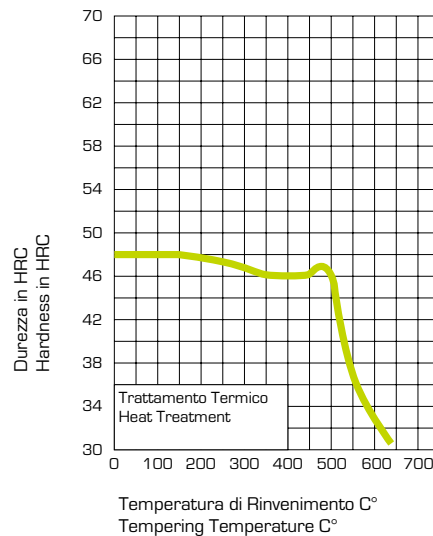
**Standard analysis:**

C:0.3% Si:0.5% Mn:1.0%  
Cr:16.0% Ni:0.3% S:0.1%

**Heat treatment data:**

Stress-relief annealing: max 480 °C  
Soft annealing: 850-880 °C

It is used in the supply conditions. Stress-relief annealing is recommended in case of more than 30% machining of the part prior to the final processing.



## R0299

**Materiale:** 1.0570

Materiale da costruzione con buone caratteristiche di saldatura.

**Possibili impieghi:** acciaio per costruzioni, componenti per ingegneria, distanziali e piastre porta stampi.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1030 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata.

**Composizione chimica:**

C:0.2% Mn:1.6% Si:0.55%

**Trattamento termico:**

Questo acciaio non è indicato per il trattamento termico.

**Material:** 1.0570

Costructional material with excellent welding properties.

**Range of application:** general structural steel, parts for machine building, lining plates and base plates.

**Flat steel supplied:** in length 1030 mm with machining allowance, in plate form with square cross section and square dimensions.

**Standard analysis:**

C:0.2% Mn:1.6% Si:0.55%

**Heat treatment data:**

This steel is not intended for heat treatment.



## R0657

**Material:** TOOLOX 33

Acciaio temprato e rivenuto studiato per offrire le minime tensioni residue, ottima stabilità di forma durante la lavorazione, ideale per lucidatura e fotoincisione.

**Possibili impieghi:** acciaio per componenti meccanici, stampi per materie plastiche, utensili per piegatura, componenti ad usura e particolari.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1000 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, bonificato, durezza massima 275-325 HB

**Composizione chimica:**

C:0.22-0.24% Si:0.6-1.1% Mn:0.8%  
P:0.01% S:0.003% Cr:1.0-1.2%  
Mo:0.30% V:0.10-0.11% Ni:0.3%

**Trattamento termico:**

Temperatura: almeno 590 °C  
Rinvenimento: almeno 590 °C

Se sottoposto ad ulteriore trattamento al di sopra dei 590 °C dopo la fornitura, le caratteristiche non sono più garantite.

**Material:** TOOLOX 33**Range of application:**

**Flat steel supplied:** in length 1000 mm with machining allowance, in plate form with square cross section and as square dimensions, tempered and hardened, max. 275-325 HB

**Standard analysis:**

C:0.22-0.24% Si:0.6-1.1% Mn:0.8%  
P:0.01% S:0.003% Cr:1.0-1.2%  
Mo:0.30% V:0.10-0.11% Ni:0.3%

**Heat treatment data:**

Hardening: at least 590 °C  
Tempering: at least 590 °C

## R0658

**Material:** TOOLOX 44

Acciaio temprato e rivenuto studiato per offrire le minime tensioni residue, ottima stabilità di forma durante la lavorazione, perfettamente adatto per lucidatura, fotoincisione e erosione.

**Possibili impieghi:** stampi per materie plastiche, utensili di formatura lamiera, componenti ad usura e particolari costruttivi.

**Fornitura di acciaio piatto:** in piastre di lunghezza 1000 mm con sovrametallo di lavorazione, con sezione rettangolare o quadrata, bonificato, durezza massima 410-475 HB

**Composizione chimica:**

C:0.32% Si:0.6-1.1% Mn:0.8%  
P:0.01% S:0.003% Cr:1.35%  
Mo:0.80% V:0.14% Ni:1.0%

**Trattamento termico:**

Temperatura: almeno 590 °C  
Rinvenimento: almeno 590 °C

Se sottoposto ad ulteriore trattamento al di sopra dei 590 °C dopo la fornitura, le caratteristiche non sono più garantite.

**Material:** TOOLOX 33**Range of application:**

**Flat steel supplied:** in length 1000 mm with machining allowance, in plate form with square cross section and as square dimensions, tempered and hardened, max. 410-475 HB

**Standard analysis:**

C:0.32% Si:0.6-1.1% Mn:0.8%  
P:0.01% S:0.003% Cr:1.35%  
Mo:0.80% V:0.14% Ni:1.0%

**Heat treatment data:**

Hardening: at least 590 °C  
Tempering: at least 590 °C

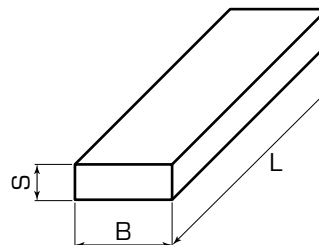


# Piastre rettificate

## Finished flat steel plates

### R0288

Piastra rettificata - P2842R  
Finished flat steel plate - P2842R



Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0288-06-0001**  
Materiale: 1.2842  
Tolleranze L500: S +0.05 mm, B +0.2 mm, L +5 mm;  
Tolleranze L1030: S +0.05 mm, B +0.2 mm, L + 35 mm;  
Per la sezione quadrata: S e B +0.05 mm

#### Description:

**Example of purchasing order: R0288-06-0001**  
Material: 1.2842  
Tolerances L500: S +0.05 mm, B +0.2 mm, L +5 mm;  
Tolerances L1030: S +0.05 mm, B +0.2 mm, L + 35 mm  
For square section: S and B +0.05 mm

Codice Code	L	B	S																		
			1	1.5	2	3	4	5	6	8	10	12	15	16	18	20	25	30	40	50	60
R0288-06	500	4					0001														
R0288-06	500	5						0003													
R0288-06	500	6							0005												
R0288-06	500	8								0007											
R0288-06	500	10	0009	0010	0011	0013	0015	0017	0019	0021	0023										
R0288-06	500	12	0025	0026	0027	0029	0031	0033	0035	0037	0039	0041									
R0288-06	500	15	0043	0044	0045	0047	0049	0051	0053	0055	0057	0059	0061								
R0288-06	500	16												0063							
R0288-06	500	18													0065						
R0288-06	500	20	0067	0068	0069	0071	0073	0075	0077	0079	0081	0083	0085			0087					
R0288-06	500	25	0089	0090	0091	0093	0095	0097	0099	0101	0103	0105	0107			0109	0111				
R0288-06	500	30	0113	0114	0115	0117	0119	0121	0123	0125	0127	0129	0131			0133	0135	0137			
R0288-06	500	35	0139	0140	0141	0143	0145	0147	0149	0151	0153	0155	0157			0159	0161	0163			
R0288-06	500	40	0165	0166	0167	0169	0171	0173	0175	0177	0179	0181	0183			0185	0187	0189	0191		
R0288-06	500	50	0193	0194	0195	0197	0199	0201	0203	0205	0207	0209	0211			0213	0215	0217	0219	0221	
R0288-06	500	60	0223	0224	0225	0227	0229	0231	0233	0235	0237	0239	0241			0243	0245	0247	0249	0251	0253
R0288-06	500	70	0255	0256	0257	0259	0261	0263	0265	0267	0269	0271	0273			0275	0277	0279	0281	0283	
R0288-06	500	80	0285	0286	0287	0289	0291	0293	0295	0297	0299	0301	0303			0305	0307	0309	0311	0313	
R0288-06	500	100	0315	0316	0317	0319	0321	0323	0325	0327	0329	0331	0333			0335	0337	0339	0341	0343	
R0288-06	500	120	0345	0346	0347	0349	0351	0353	0355	0357	0359	0361	0363			0365	0367	0369	0371	0373	
R0288-06	500	125	0375	0376	0377	0379	0381	0383	0384	0387	0389	0391	0393			0395	0397	0399	0401	0403	
R0288-06	500	150	0405	0406	0407	0409	0411	0413	0415	0417	0419	0421	0423			0425	0427	0429	0431	0433	
R0288-06	500	160	0435	0436	0437	0439	0441	0443	0445	0447	0449	0451	0453			0455	0457	0459	0461	0463	
R0288-06	500	180	0465	0466	0467	0469	0471	0473	0475	0477	0479	0481	0483			0485	0487	0489	0491	0493	
R0288-06	500	200	0495	0496	0497	0499	0501	0503	0505	0507	0509	0511	0513			0515	0517	0519	0521	0523	
R0288-06	500	250	0525	0526	0527	0529	0531	0533	0535	0537	0539	0541	0543			0545	0547	0549	0551	0553	
R0288-06	500	300	0555	0556	0557	0559	0561	0563	0565	0567	0569	0571	0573			0575	0577	0579	0581	0583	

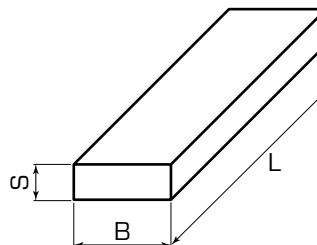
# Piastre rettificate

## Finished flat steel plates



### R0288

Piastra rettificata - P2842R  
Finished flat steel plate - P2842R



Colore identificativo  
Colour symbol

#### Descrizione:

Esempio di ordinativo: **R0288-06-0001**

Materiale: 1.2842

Tolleranze L500: S +0.05 mm, B +0.2 mm, L +5 mm;

Tolleranze L1030: S +0.05 mm, B +0.2 mm, L + 35 mm;

Per la sezione quadrata: S e B +0.05 mm

#### Description:

Example of purchasing order: **R0288-06-0001**

Material: 1.2842

Tolerances L500: S +0.05 mm, B +0.2 mm, L +5 mm;

Tolerances L1030: S +0.05 mm, B +0.2 mm, L + 35 mm

For square section: S and B +0.05 mm

Codice Code	L	B	S																			
			1	1.5	2	3	4	5	6	8	10	12	15	16	18	20	25	30	40	50	60	
R0288-06	1000	4					0002															
R0288-06	1000	5						0004														
R0288-06	1000	6							0006													
R0288-06	1000	8								0008												
R0288-06	1000	10			0012	0014	0016	0018	0020	0022	0024											
R0288-06	1000	12			0028	0030	0032	0034	0036	0038	0040	0042										
R0288-06	1000	15			0046	0048	0050	0052	0054	0056	0058	0060	0062									
R0288-06	1000	16												0064								
R0288-06	1000	18													0066							
R0288-06	1000	20			0070	0072	0074	0076	0078	0080	0082	0084	0086				0088					
R0288-06	1000	25			0092	0094	0096	0098	0100	0102	0104	0106	0108				0110	0112				
R0288-06	1000	30			0116	0118	0120	0122	0124	0126	0128	0130	0132				0134	0136	0138			
R0288-06	1000	35			0142	0144	0146	0148	0150	0152	0154	0156	0158				0160	0162	0164			
R0288-06	1000	40			0168	0170	0172	0174	0176	0178	0180	0182	0184				0186	0188	0190	0192		
R0288-06	1000	50			0196	0198	0200	0202	0204	0206	0208	0210	0212				0214	0216	0218	0220	0222	
R0288-06	1000	60			0226	0228	0230	0232	0234	0236	0238	0240	0242				0244	0246	0248	0250	0252	0254
R0288-06	1000	70			0258	0260	0262	0264	0266	0268	0270	0272	0274				0276	0278	0280	0282	0284	
R0288-06	1000	80			0288	0290	0292	0294	0296	0298	0300	0302	0304				0306	0308	0310	0312	0314	
R0288-06	1000	100			0318	0320	0322	0324	0326	0328	0330	0332	0334				0336	0338	0340	0342	0344	
R0288-06	1000	120			0348	0350	0352	0354	0356	0358	0360	0362	0364				0366	0368	0370	0372	0374	
R0288-06	1000	125			0378	0380	0382	0383	0386	0388	0390	0392	0394				0396	0398	0400	0402	0404	
R0288-06	1000	150			0408	0410	0412	0414	0416	0418	0420	0422	0424				0426	0428	0430	0432	0434	
R0288-06	1000	160			0438	0440	0442	0444	0446	0448	0450	0452	0454				0456	0458	0460	0462	0464	
R0288-06	1000	180			0468	0470	0472	0474	0476	0478	0480	0482	0484				0486	0488	0490	0492	0494	
R0288-06	1000	200			0498	0500	0502	0504	0506	0508	0510	0512	0514				0516	0518	0520	0522	0524	
R0288-06	1000	250			0528	0530	0532	0534	0536	0538	0540	0542	0544				0546	0548	0550	0552	0554	
R0288-06	1000	300			0558	0560	0562	0564	0566	0568	0570	0572	0574				0576	0578	0580	0582	0584	

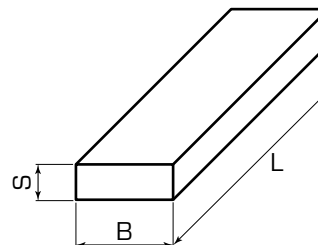
# Piastre rettificate

## Finished flat steel plates



### R0298 Piastra rettificata - P1730

### Finished flat steel plate - P1730



Colore identificativo  
Colour symbol

#### Descrizione: Description:

**Esempio di ordinativo: R0298-06-0001**  
 Materiale: 1.1730  
 Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
 Per la sezione quadrata: S e B +0.25 mm

**Example of purchasing order: R0298-06-0001**  
 Material: 1.1730  
 Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
 For square section: S and B +0.25 mm

Codice Code	L	B	S																						
			4	5	6	8	10	12	15	16	20	25	30	32	40	50	60	63	70	80	90	100	120	125	150
R0298-06	1030	10						0001																	
R0298-06	1030	12							0002																
R0298-06	1030	15								0003															
R0298-06	1030	16									0004														
R0298-06	1030	20	0005	0006	0007	0008	0009	0010	0011	0012	0013														
R0298-06	1030	25	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023													
R0298-06	1030	30	0024	0025	0026	0027	0028	0029	0030		0031	0032	0033												
R0298-06	1030	32	0034	0035	0036	0037	0038	0039		0040	0041	0042		0043											
R0298-06	1030	40	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056										
R0298-06	1030	50	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070									
R0298-06	1030	60	0071	0072	0073	0074	0075	0076	0077		0078	0079	0080		0081	0082	0083								
R0298-06	1030	63	0084	0085	0086	0087	0088	0089		0090	0091	0092		0093	0094	0095		0096							
R0298-06	1030	70	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113						
R0298-06	1030	80	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131					
R0298-06	1030	90	0132	0133	0134	0135	0136	0137	0138		0139	0140	0141		0142	0143	0144		0145	0146	0147				
R0298-06	1030	100	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167			
R0298-06	1030	120			0168	0169	0170	0171	0172		0173	0174	0175		0176	0177	0178		0179	0180	0181	0182	0183		
R0298-06	1030	125	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201		0202		0203	
R0298-06	1030	140			0204	0205	0206	0207	0208		0209	0210	0211	0212	0213	0214	0215		0216	0217	0218	0219			
R0298-06	1030	150	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240		0241
R0298-06	1030	160	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261			
R0298-06	1030	175			0262	0263	0264	0265		0266	0267	0268		0269	0270	0271		0272		0273		0274			
R0298-06	1030	180			0275	0276	0277	0278	0279		0280	0281	0282	0283	0284	0285	0286		0287	0288	0289	0290	0291		
R0298-06	1030	200			0292	0293	0294	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310		
R0298-06	1030	250			0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329		
R0298-06	1030	300			0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	341	0342	0343	0344	0345	0346	0347			
R0298-06	1030	315			0348	0349	0350	0351		0352	0353	0354		0355	0356	0357		0358		0359		0360			
R0298-06	1030	350			0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375	0376	0377	0378			
R0298-06	1030	400	0379	0380	0381	0382	0383	0384	0385	0386	0387	0388	0389	0390	0391	0392	0393	0394	0395	0396	0397	0398			
R0298-06	1030	450									0399	0400	0401	0402	0403	0404	0405	0406	0407	0408	0409	0410			
R0298-06	1030	500						0411	0412	0413		0414	0415	0416	0417	0418	0419	0420	0421	0422	0423	0424	0425		

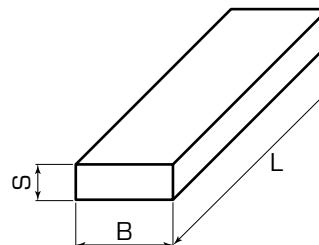
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0630

Piastra pre-rettificata - P2842  
Pre-finished flat steel plate - P2842



  Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0630-06-0001**  
Materiale: 1.2842  
Tolleranze L500: S +0.25 mm, B +0.4 mm, L +20mm  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm  
Per piatti rettificati: S +0.25 mm, B +20 mm, L +20 mm

#### Description:

**Example of purchasing order: R0630-06-0001**  
Material: 1.2842  
Tolerances L500: S +0.25 mm, B +0.4 mm, L +20 mm  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm  
For ground plates: S +0.25 mm, B +20 mm, L +20 mm

Codice Code	L	B	S																				
			2.4	3.4	4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	18.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	80.4	100.4
R0630-06	500	8.4						0001															
R0630-06	500	10.4	0003	0005	0007	0009	0011	0013	0015														
R0630-06	500	12.4	0017	0019	0021	0023	0025	0027	0029	0031													
R0630-06	500	15.4	0033	0035	0037	0039	0041	0043	0045	0047	0049												
R0630-06	500	16.4										0051											
R0630-06	500	18.4											0053										
R0630-06	500	20.4	0055	0057	0059	0061	0063	0065	0067	0069	0071	0073		0075									
R0630-06	500	25.4	0077	0079	0081	0083	0085	0087	0089	0091	0093	0095		0097	0099								
R0630-06	500	30.4	0101	0103	0105	0107	0109	0111	0113	0115	0117	0119		0121	0123	0125							
R0630-06	500	32.4	0127	0129	0131	0133	0135	0137	0139	0141	0143	0145		0147	0149	0151	0153						
R0630-06	500	35.4	0155	0157	0159	0161	0163	0165	0167	0169	0171	0173		0175	0177	0179							
R0630-06	500	40.4	0181	0183	0185	0187	0189	0191	0193	0195	0197	0199		0201	0203	0205	0207	0209					
R0630-06	500	50.4	0211	0213	0215	0217	0219	0221	0223	0225	0227	0229		0231	0233	0235	0237	0239	0241				
R0630-06	500	60.4	0243	0245	0247	0249	0251	0253	0255	0257	0259	0261		0263	0265	0267	0269	0271	0273	0275			
R0630-06	500	63.4	0277	0279	0281	0283	0285	0287	0289	0291	0293	0295		0297	0299	0301	0303	0305	0307		0309		
R0630-06	500	70.4	0311	0313	0315	0317	0319	0321	0323	0325	0327	0329		0331	0333	0335	0337	0339	0341	0343			
R0630-06	500	80.4	0345	0347	0349	0351	0353	0355	0357	0359	0361	0363		0365	0367	0369	0371	0373	0375	0377	0379	0381	
R0630-06	500	100.4	0383	0385	0387	0389	0391	0393	0395	0397	0399	0401		0403	0405	0407	0409	0411	0413	0415	0417	0419	0421
R0630-06	500	120.4	0423	0425	0427	0429	0431	0433	0435	0437	0439	0441		0443	0445	0447	0449	0451	0453	0455	0457	0459	0461
R0630-06	500	125.4	0463	0465	0467	0469	0471	0473	0475	0477	0479	0481		0483	0485	0487	0489	0491	0493	0495	0497	0499	0501
R0630-06	500	150.4	0503	0505	0507	0509	0511	0513	0515	0517	0519	0521		0523	0525	0527	0529	0531	0533	0535	0537	0539	0541
R0630-06	500	160.4	0543	0545	0547	0549	0551	0553	0555	0557	0559	0561		0563	0565	0567	0569	0571	0573	0575	0577	0579	0581
R0630-06	500	175.4	0583	0585	0587	0589	0591	0593	0595	0597	0599	0601		0603	0605	0607	0609	0611	0613	0615	0617	0619	0621
R0630-06	500	180.4	0623	0625	0627	0629	0631	0633	0635	0637	0639	0641		0643	0645	0647	0649	0651	0653	0655	0657	0659	0661
R0630-06	500	200.4	0663	0665	0667	0669	0671	0673	0675	0677	0679	0681		0683	0685	0687	0689	0691	0693	0695	0697	0699	0701
R0630-06	500	250.4	0703	0705	0707	0709	0711	0713	0715	0717	0719	0721		0723	0725	0727	0729	0731	0733	0735	0737	0739	0741
R0630-06	500	300.4	0743	0745	0747	0749	0751	0753	0755	0757	0759	0761		0763	0765	0767	0769	0771	0773				

#### Piatti in acciaio rettificati

#### Precision ground plates

Codice Code	L	B	S							
			8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4
R0630-06	500	500	0775	0777	0779	0781	0783	0785	0787	0789

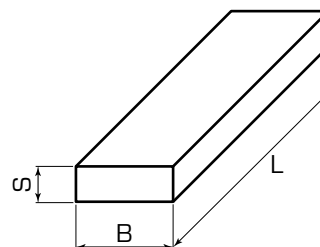
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0630

Piastra pre-rettificata - P2842  
Pre-finished flat steel plate - P2842



Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0630-06-0001**  
Materiale: 1.2842  
Tolleranze L500: S +0.25 mm, B +0.4 mm, L +20 mm  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm  
Per piatti rettificati: S +0.25 mm, B +20 mm, L +20 mm

#### Description:

**Example of purchasing order: R0630-06-0001**  
Material: 1.2842  
Tolerances L500: S +0.25 mm, B +0.4 mm, L +20 mm  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm  
For ground plates: S +0.25 mm, B +20 mm, L +20 mm

Codice Code	L	B	S																						
			2.4	3.4	4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	18.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	80.4	100.4		
R0630-06	1030	8.4						0002																	
R0630-06	1030	10.4	0004	0006	0008	0010	0012	0014	0016																
R0630-06	1030	12.4	0018	0020	0022	0024	0026	0028	0030	0032															
R0630-06	1030	15.4	0034	0036	0038	0040	0042	0044	0046	0048	0050														
R0630-06	1030	16.4										0052													
R0630-06	1030	18.4											0054												
R0630-06	1030	20.4	0056	0058	0060	0062	0064	0066	0068	0070	0072	0074													
R0630-06	1030	25.4	0078	0080	0082	0084	0086	0088	0090	0092	0094	0096		0098	0100										
R0630-06	1030	30.4	0102	0104	0106	0108	0110	0112	0114	0116	0118	0120		0122	0124	0126									
R0630-06	1030	32.4	0128	0130	0132	0134	0136	0138	0140	0142	0144	0146		0148	0150	0152	0154								
R0630-06	1030	35.4	0156	0158	0160	0162	0164	0166	0168	0170	0172	0174		0176	0178	0180									
R0630-06	1030	40.4	0182	0184	0186	0188	0190	0192	0194	0196	0198	0200		0202	0204	0206	0208	0210							
R0630-06	1030	50.4	0212	0214	0216	0218	0220	0222	0224	0226	0228	0230		0232	0234	0236	0238	0240	0242						
R0630-06	1030	60.4	0244	0246	0248	0250	0252	0254	0256	0258	0260	0262		0264	0266	0268	0270	0272	0274	0276					
R0630-06	1030	63.4	0278	0280	0282	0284	0286	0288	0290	0292	0294	0296		0298	0300	0302	0304	0306	0308		0310				
R0630-06	1030	70.4	0312	0314	0316	0318	0320	0322	0324	0326	0328	0330		0332	0334	0336	0338	0340	0342	0344					
R0630-06	1030	80.4	0346	0348	0350	0352	0354	0356	0358	0360	0362	0364		0366	0368	0370	0372	0374	0376	0378	0380	0382			
R0630-06	1030	100.4	0384	0386	0388	0390	0392	0394	0396	0398	0400	0402		0404	0406	0408	0410	0412	0414	0416	0418	0420	0422		
R0630-06	1030	120.4	0424	0426	0428	0430	0432	0434	0436	0438	0440	0442		0444	0446	0448	0450	0452	0454	0456	0458	0460	0462		
R0630-06	1030	125.4	0464	0466	0468	0470	0472	0474	0476	0478	0480	0482		0484	0486	0488	0490	0492	0494	0496	0498	0500	0502		
R0630-06	1030	150.4	0504	0506	0508	0510	0512	0514	0516	0518	0520	0522		0524	0526	0528	0530	0532	0534	0536	0538	0540	0542		
R0630-06	1030	160.4	0544	0546	0548	0550	0552	0554	0556	0558	0560	0562		0564	0566	0568	0570	0572	0574	0576	0578	0580	0582		
R0630-06	1030	175.4	0584	0586	0588	0590	0592	0594	0596	0598	0600	0602		0604	0606	0608	0610	0612	0614	0616	0618	0620	0622		
R0630-06	1030	180.4	0624	0626	0628	0630	0632	0634	0636	0638	0640	0642		0644	0646	0648	0650	0652	0654	0656	0658	0660	0662		
R0630-06	1030	200.4	0664	0666	0668	0670	0672	0674	0676	0678	0680	0682		0684	0686	0688	0690	0692	0694	0696	0698	0700	0702		
R0630-06	1030	250.4	0704	0706	0708	0710	0712	0714	0716	0718	0720	0722		0724	0726	0728	0730	0732	0734	0736	0738	0740	0742		
R0630-06	1030	300.4	0744	0746	0748	0750	0752	0754	0756	0758	0760	0762		0764	0766	0768	0770	0772	0774						

#### Piatti in acciaio rettificati

#### Precision ground plates

Codice Code	L	B	S									
			8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4		
R0630-06	1000	500	0776	0778	0780	0782						
R0630-06	1030	500						0784				

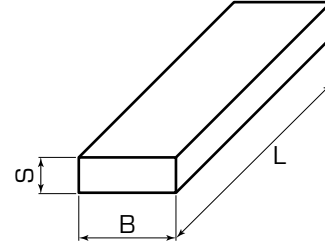
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0290

Piastra pre-rettificata - P2379  
Pre-finished flat steel plate - P2379



     Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0290-06-0001**  
Materiale: 1.2379  
Tolleranze L500: S +0.25 mm, B +0.4 mm, L +25 mm  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

**Example of purchasing order: R0290-06-0001**  
Material: 1.2379  
Tolerances L500: S +0.25 mm, B +0.4 mm, L +20 mm  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S																					
			2.2	3.2	4.2	5.2	6.2	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4	63.4	70.4	80.4	90.4	100.4	120.4	150.4
R0290-06	500	6.2					0001																	
R0290-06	500	8.2						0002																
R0290-06	500	10.3	0003	0004	0005	0006	0007	0008																
R0290-06	500	10.4								0009														
R0290-06	500	12.4									0010													
R0290-06	500	15.3	0011	0012	0013	0014	0015	0016	0017	0018														
R0290-06	500	15.4									0019													
R0290-06	500	20.3	0020	0021	0022	0023	0024	0025	0026	0027	0028													
R0290-06	500	20.4										0029												
R0290-06	500	25.3	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039												
R0290-06	500	25.4											0040											
R0290-06	500	30.3	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051											
R0290-06	500	30.4												0052										
R0290-06	500	40.3	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064										
R0290-06	500	40.4													0065									
R0290-06	500	50.3	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078									
R0290-06	500	50.4														0079								
R0290-06	500	60.3	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093								
R0290-06	500	60.4															0094							
R0290-06	500	63.4																0095						
R0290-06	500	70.4																0096	0097	0098				
R0290-06	500	80.3	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115					
R0290-06	500	80.4																			0116			
R0290-06	500	90.4															0117	0118	0119	0120	0121			
R0290-06	500	100.3	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140			
R0290-06	500	100.4																					0141	
R0290-06	500	120.4																						0142
R0290-06	500	125.3	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156								
R0290-06	500	125.4															0157	0158	0159	0160	0161	0162		
R0290-06	500	150.3	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176								
R0290-06	500	150.4																0177	0178	0179	0180	0181	0182	0183
R0290-06	500	160.4																0184	0185	0186	0187	0188	0189	
R0290-06	500	175.4																0190	0191	0192	0193	0194	0195	
R0290-06	500	180.4																0196	0197	0198	0199	0200	0201	
R0290-06	500	200.3	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215								
R0290-06	500	200.4																0216	0217	0218	0219	0220	0221	
R0290-06	500	250.3	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235								
R0290-06	500	250.4																0236	0237	0238	0239	0240	0241	
R0290-06	500	300.3	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255								
R0290-06	500	300.4																0256	0257	0258	0259	0260	0261	
R0290-06	500	350.4																0262						



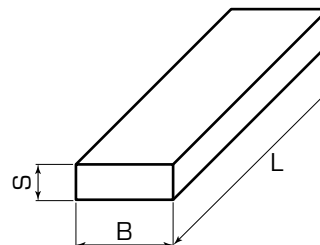
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0290 Piastra pre-rettificata - P2379

#### Pre-finished flat steel plate - P2379



Colore identificativo  
Colour symbol

#### Descrizione: Description:

**Esempio di ordinativo: R0290-06-0001**  
 Materiale: 1.2379  
 Tolleranze L500: S +0.25 mm, B +0.4 mm, L +25 mm  
 Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
 Per la sezione quadrata: S e B +0.25 mm

**Example of purchasing order: R0290-06-0001**  
 Material: 1.2379  
 Tolerances L500: S +0.25 mm, B +0.4 mm, L +20 mm  
 Tolerances L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
 For square section: S and B +0.25 mm

Codice Code	L	B	S																												
			2.4	3.4	4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	26.4	30.4	32.4	36.4	40.4	46.4	50.4	60.4	63.4	70.4	80.4	90.4	100.4	120.4	150.4		
R0290-06	1030	6.4					0263																								
R0290-06	1030	8.4						0264																							
R0290-06	1030	10.4	0265	0266	0267	0268	0269	0270	0271																						
R0290-06	1030	12.4								0272																					
R0290-06	1030	15.4	0273	0274	0275	0276	0277	0278	0279	0280	0281																				
R0290-06	1030	16.4								0282																					
R0290-06	1030	20.4	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293																		
R0290-06	1030	25.4	0294	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305																	
R0290-06	1030	30.4	0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316	0317					0318												
R0290-06	1030	32.4	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330					0331	0332											
R0290-06	1030	40.4	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342	0343	0344					0345	0346		0347									
R0290-06	1030	50.4	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359					0360	0361		0362		0363							
R0290-06	1030	60.4	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375					0376	0377		0378		0379	0380						
R0290-06	1030	63.4	0381	0382	0383	0384	0385	0386	0387	0388	0389	0390	0391	0392					0393	0394		0395		0396		0397					
R0290-06	1030	70.4	0398	0399	0400	0401	0402	0403	0404	0405	0406	0407	0408	0409					0410	0411		0412		0413	0414	0415	0416				
R0290-06	1030	80.4	0417	0418	0419	0420	0421	0422	0423	0424	0425	0426	0427	0428					0429	0430		0431		0432	0433	0434	0435	0436			
R0290-06	1030	90.4	0437	0438	0439	0440	0441	0442	0443	0444	0445	0446	0447	0448					0449	0450		0451		0452	0453	0454	0455	0456	0457		
R0290-06	1030	100.4	0458	0459	0460	0461	0462	0463	0464	0465	0466	0467	0468	0469					0470	0471		0472		0473	0474	0475	0476	0477	0478	0479	
R0290-06	1030	120.4																											0480		
R0290-06	1030	125.4	0481	0482	0483	0484	0485	0486	0487	0488	0489	0490	0491	0492					0493	0494		0495		0496	0497	0498	0499	0500	0501	0502	
R0290-06	1030	150.4	0503	0504	0505	0506	0507	0508	0509	0510	0511	0512	0513	0514					0515	0516		0517		0518	0519	0520	0521	0522	0523	0524	0525
R0290-06	1030	156.4																	0526			0527		0528							
R0290-06	1030	160.4	0529	0530	0531	0532	0533	0534	0535	0536	0537	0538	0539	0540					0541	0542		0543		0544	0545	0546	0547	0548	0549	0550	
R0290-06	1030	175.4	0551	0552	0553	0554	0555	0556	0557	0558	0559	0560	0561	0562					0563	0564		0565		0566	0567	0568	0569	0570	0571	0572	
R0290-06	1030	180.4	0573	0574	0575	0576	0577	0578	0579	0580	0581	0582	0583	0584					0585	0586		0587		0588	0589	0590	0591	0592	0593	0594	
R0290-06	1030	196.4																	0595			0596		0597							
R0290-06	1030	200.4	0598	0599	0600	0601	0602	0603	0604	0605	0606	0607	0608	0609					0610	0611		0612		0613	0614	0615	0616	0617	0618	0619	
R0290-06	1030	246.4																	0620			0621		0622							
R0290-06	1030	250.4	0623	0624	0625	0626	0627	0628	0629	0630	0631	0632	0633	0634					0635	0636		0637		0638	0639	0640	0641	0642	0643	0644	
R0290-06	1030	296.4																	0645			0646		0647							
R0290-06	1030	300.4	0648	0649	0650	0651	0652	0653	0654	0655	0656	0657	0658	0659					0660	0661		0662		0663	0664	0665	0666	0667	0668	0669	
R0290-06	1030	350.4								0670	0671	0672	0673	0674	0675				0676	0677		0678		0679	0680						
R0290-06	1030	400.4								0681	0682	0683	0684	0685	0686				0687	0688		0689		0690							

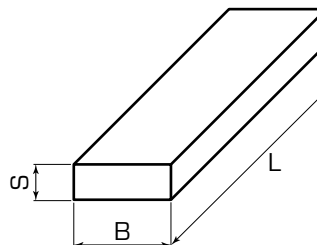
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0289

Piastra pre-rettificata - P2436  
Pre-finished flat steel plate - P2436



  Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0289-06-0001**  
Materiale: 1.2436  
Tolleranze L500: S +0.2 mm, B +0.2 mm, L +5 mm;  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ± 20 mm;  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

**Example of purchasing order: R0289-06-0001**  
Material: 1.2436  
Tolerances L500: S +0.2 mm, B +0.2 mm, L +5 mm;  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ± 20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S													
			2.2	3.2	4.2	5.2	6.2	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4
R0289-06	500	8.2							0001							
R0289-06	500	10.3	0003	0004	0005	0006	0007	0008								
R0289-06	500	10.4							0015							
R0289-06	500	12.4								0017						
R0289-06	500	15.3	0019	0020	0021	0022	0023	0024	0025	0026						
R0289-06	500	15.4									0035					
R0289-06	500	20.3	0038	0039	0040	0041	0042	0043	0044	0045	0046					
R0289-06	500	20.4										0056				
R0289-06	500	25.3	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067				
R0289-06	500	25.4											0079			
R0289-06	500	30.3	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091			
R0289-06	500	30.4												0104		
R0289-06	500	40.3	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130		
R0289-06	500	40.4													0144	
R0289-06	500	50.3	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	
R0289-06	500	50.4														0174
R0289-06	500	60.3	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189
R0289-06	500	80.3	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235
R0289-06	500	100.3	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265
R0289-06	500	125.3	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295
R0289-06	500	150.3	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325
R0289-06	500	200.3	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	0385	0386	0387
R0289-06	500	250.3	0404	0405	0406	0407	0408	0409	0410	0411	0412	0413	0414	0415	0416	0417
R0289-06	500	300.3	0434	0435	0436	0437	0438	0439	0440	0441	0442	0443	0444	0445	0446	0447

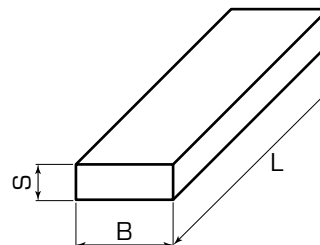
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0289

Piastra pre-rettificata - P2436  
Pre-finished flat steel plate - P2436



 Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0289-06-0001**  
Materiale: 1.2436  
Tolleranze L500: S +0.2 mm, B +0.2 mm, L +5 mm;  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ± 20 mm;  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

**Example of purchasing order: R0289-06-0001**  
Material: 1.2436  
Tolerances L500: S +0.2 mm, B +0.2 mm, L +5 mm;  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ± 20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S																
			2.4	3.4	4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	
R0289-06	1030	8.4						0002											
R0289-06	1030	10.4	0009	0010	0011	0012	0013	0014	0016										
R0289-06	1030	12.4								0018									
R0289-06	1030	15.4	0027	0028	0029	0030	0031	0032	0033	0034	0036								
R0289-06	1030	16.4										0037							
R0289-06	1030	20.4	0047	0048	0049	0050	0051	0052	0053	0054	0055		0057						
R0289-06	1030	25.4	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0080					
R0289-06	1030	30.4	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0105				
R0289-06	1030	32.4	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117		0118			
R0289-06	1030	40.4	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143		0145		
R0289-06	1030	50.4	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0175	
R0289-06	1030	60.4	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	
R0289-06	1030	63.4	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	
R0289-06	1030	80.4	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	
R0289-06	1030	100.4	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279	0280	0281	
R0289-06	1030	125.4	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	
R0289-06	1030	150.4	0326	0327	0328	0329	0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	
R0289-06	1030	160.4	0342	0343	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	
R0289-06	1030	175.4	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	
R0289-06	1030	200.4	0388	0389	0390	0391	0392	0393	0394	0395	0396	0397	0398	0399	0400	0401	0402	0403	
R0289-06	1030	250.4	0418	0419	0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	0430	0431	0432	0433	
R0289-06	1030	300.4	0448	0449	0450	0451	0452	0453	0454	0455	0456	0457	0458	0459	0460	0461	0462	0463	
R0289-06	1030	315.4	0464	0465	0466	0467	0468	0469	0470	0471	0472	0473	0474	0475	0476	0477	0478	0479	

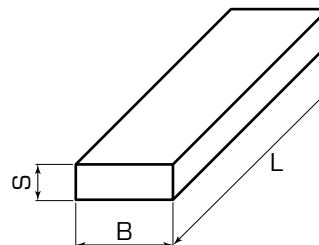
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0291

Piastra pre-rettificata - P2767  
Pre-finished flat steel plate - P2767



Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0291-06-0001**  
Materiale: 1.2767  
Tolleranze L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm  
Per piatti rettificati: S +0.20 mm, B +5 mm, L +35 mm

#### Description:

**Example of purchasing order: R0291-06-0001**  
Material: 1.2767  
Tolerances L1030: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm  
For ground plates: S +0.20 mm, B +5 mm, L +35 mm

Codice Code	L	B	S																			
			4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	90.4	100.4
R0291-06	1030	10.4	0001	0002	0003	0004	0005															
R0291-06	1030	12.4	0006	0007	0008	0009	0010	0011														
R0291-06	1030	15.4							0012													
R0291-06	1030	16.4	0013	0014	0015	0016	0017	0018		0019												
R0291-06	1030	20.4	0020	0021	0022	0023	0024	0025	0026	0027	0028											
R0291-06	1030	25.4	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038										
R0291-06	1030	30.4	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049									
R0291-06	1030	32.4	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061								
R0291-06	1030	40.4	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074							
R0291-06	1030	50.4	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088						
R0291-06	1030	60.4	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103					
R0291-06	1030	63.4	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119				
R0291-06	1030	70.4	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136			
R0291-06	1030	80.4	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154		
R0291-06	1030	90.4	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	
R0291-06	1030	100.4	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193
R0291-06	1030	125.4				0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210
R0291-06	1030	150.4				0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227
R0291-06	1030	200.4				0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244
R0291-06	1030	250.4				0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261
R0291-06	1030	300.4				0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278

#### Piatti in acciaio rettificati

#### Precision ground plates

Codice Code	L	B	S							
			10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4
R0291-06	1000	500	0279	0280	0281	0282	0283	0284	0285	0286

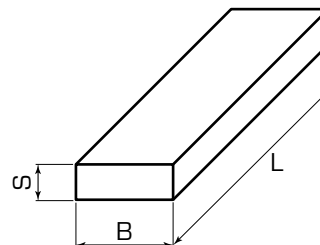
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0292

Piastra pre-rettificata - P2363  
Pre-finished flat steel plate - P2363



Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0292-06-0001**  
Materiale: 1.2363  
Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

**Example of purchasing order: R0292-06-0001**  
Material: 1.2363  
Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S																		
			4.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	100.4	
R0292-06	1030	10.4				0001															
R0292-06	1030	12.4					0002														
R0292-06	1030	16.4							0003												
R0292-06	1030	20.4								0004											
R0292-06	1030	25.4	0005	0006	0007	0008	0009	0010	0011	0012	0013										
R0292-06	1030	30.4	0014	0015	0016	0017	0018	0019	0020	0021		0022									
R0292-06	1030	32.4	0023	0024	0025	0026	0027		0028	0029	0030		0031								
R0292-06	1030	40.4	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043							
R0292-06	1030	50.4	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056						
R0292-06	1030	60.4		0057	0058	0059	0060	0061		0062	0063	0064		0065		0066					
R0292-06	1030	63.4		0067	0068	0069	0070		0071	0072	0073		0074	0075	0076		0077				
R0292-06	1030	80.4		0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089		0090		0091		
R0292-06	1030	100.4		0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103		0104	0105	0106	0107	
R0292-06	1030	125.4			0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118		0119	0120	0121		
R0292-06	1030	150.4			0122	0123	0124	0125		0126	0127	0128		0129			0130	0131			
R0292-06	1030	160.4			0132	0133	0134		0135	0136	0137		0138	0139	0140		0141	0142			
R0292-06	1030	200.4				0143	0144	0145	0146	0147	0148	0149	0150	0151	0152		0153	0154			
R0292-06	1030	250.4							0155	0156	0157	0158	0159	0160	0161		0162	0163			
R0292-06	1030	315.4								0164	0165		0166	0167	0168						
R0292-06	1030	400.4									0169		0170	0171	0172						
R0292-06	1030	600.4				0173	0174														

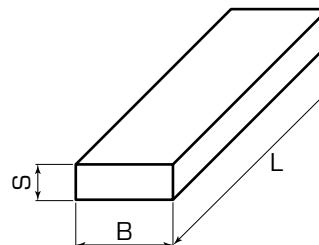
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0293

Piastra pre-rettificata - P2343  
Pre-finished flat steel plate - P2343



Colore identificativo  
Colour symbol

#### Descrizione:

Esempio di ordinativo: **R0293-06-0001**  
Materiale: 1.2343  
Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

Example of purchasing order: **R0293-06-0001**  
Material: 1.2343  
Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S																			
			4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	100.4	
R0293-06	1030	10.4	0001	0002	0003	0004	0005															
R0293-06	1030	12.4	0006	0007	0008	0009	0010	0011														
R0293-06	1030	15.4	0012	0013	0014	0015	0016	0017	0018													
R0293-06	1030	16.4	0019	0020	0021	0022	0023	0024		0025												
R0293-06	1030	20.4	0026	0027	0028	0029	0030	0031	0032	0033	0034											
R0293-06	1030	25.4	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044										
R0293-06	1030	30.4	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055									
R0293-06	1030	32.4	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067								
R0293-06	1030	40.4	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080							
R0293-06	1030	50.4	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094						
R0293-06	1030	60.4	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109					
R0293-06	1030	63.4	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125				
R0293-06	1030	70.4	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140		0141			
R0293-06	1030	80.4	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159		
R0293-06	1030	100.4	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	
R0293-06	1030	125.4				0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193	0194	
R0293-06	1030	150.4				0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	
R0293-06	1030	160.4				0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	
R0293-06	1030	200.4				0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	
R0293-06	1030	250.4				0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254					
R0293-06	1030	300.4				0255	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266					

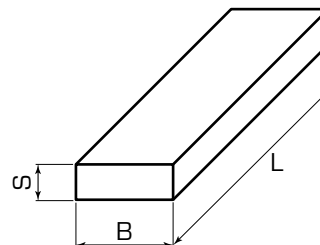
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0294

Piastra pre-rettificata - P2311  
Pre-finished flat steel plate - P2311



Colore identificativo  
Colour symbol

#### Descrizione:

**Esempio di ordinativo: R0294-06-0001**  
Materiale: 1.2311  
Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

**Example of purchasing order: R0294-06-0001**  
Material: 1.2311  
Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S												
			6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	
R0294-06	1030	12.4				0001									
R0294-06	1030	16.4						0002							
R0294-06	1030	20.4		0003	0004	0005	0006	0012	0007						
R0294-06	1030	25.4		0008	0009	0010	0011		0013	0014					
R0294-06	1030	30.4		0015	0016	0017	0018	0019	0020	0021					
R0294-06	1030	32.4	0022	0023	0024	0025	0026	0027	0028	0029		0030			
R0294-06	1030	40.4	0031	0032	0033	0034	0035	0036	0037	0038	0039				
R0294-06	1030	50.4	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050		
R0294-06	1030	60.4	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	
R0294-06	1030	63.4	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	
R0294-06	1030	70.4	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	
R0294-06	1030	80.4	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	
R0294-06	1030	100.4	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	
R0294-06	1030	125.4		0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	
R0294-06	1030	150.4		0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	
R0294-06	1030	175.4		0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	
R0294-06	1030	200.4		0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	
R0294-06	1030	220.4			0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	
R0294-06	1030	250.4			0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	
R0294-06	1030	300.4			0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	

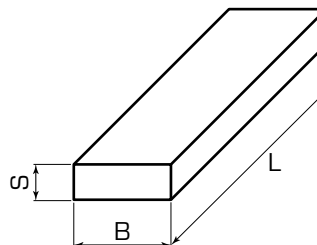
# Piastre pre-rettificate


## Pre-finished flat steel plates



### R0295

Piastra pre-rettificata - P2312  
Pre-finished flat steel plate - P2312



 Colore identificativo  
Colour symbol

#### Descrizione:

Esempio di ordinativo: **R0295-06-0001**  
Materiale: 1.2312  
Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
Per la sezione quadrata: S e B +0.25 mm

#### Description:

Example of purchasing order: **R0295-06-0001**  
Material: 1.2312  
Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
For square section: S and B +0.25 mm

Codice Code	L	B	S																					
			4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	70.4	80.4	90.4	100.4	120.4	150.4	
R0295-06	1030	10.4					0001																	
R0295-06	1030	12.4						0002																
R0295-06	1030	15.4							0003															
R0295-06	1030	16.4								0004														
R0295-06	1030	20.4			0005	0006	0007	0008	0009		0010													
R0295-06	1030	25.4			0011	0012	0013	0014	0015	0016	0017	0018												
R0295-06	1030	30.4			0019	0020	0021	0022	0023	0024	0025	0026	0027											
R0295-06	1030	32.4			0028	0029	0030	0031	0032	0033	0034	0035		0036										
R0295-06	1030	40.4	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047			0048								
R0295-06	1030	50.4	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062								
R0295-06	1030	60.4	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077							
R0295-06	1030	63.4	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091								
R0295-06	1030	70.4	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107						
R0295-06	1030	80.4	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124					
R0295-06	1030	100.4	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141			0142		
R0295-06	1030	120.4																					0143	
R0295-06	1030	125.4			0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158					
R0295-06	1030	150.4			0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175		0176	
R0295-06	1030	175.4			0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193			
R0295-06	1030	180.4			0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210			
R0295-06	1030	200.4			0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227			
R0295-06	1030	220.4				0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242				
R0295-06	1030	250.4				0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255						
R0295-06	1030	300.4				0256	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266	0267	0268						
R0295-06	1030	400.4				0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279								
R0295-06	1030	500.4				0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290								



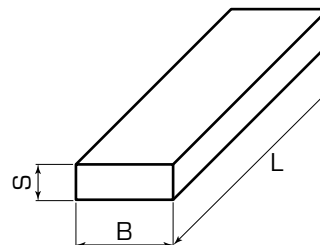
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0296

Piastra pre-rettificata - P2162  
Pre-finished flat steel plate - P2162



Colore identificativo  
Colour symbol

#### Descrizione:

Esempio di ordinativo: **R0296-06-0001**

Materiale: 1.2162

Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm

Per la sezione quadrata: S e B +0.25 mm

#### Description:

Example of purchasing order: **R0296-06-0001**

Material: 1.2162

Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm

For square section: S and B +0.25 mm

Codice Code	L	B	S																
			8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	36.4	40.4	50.4	60.4	70.4	80.4	100.4	
R0296-06	1030	15.4				0001													
R0296-06	1030	20.4	0002	0003	0004	0005	0006	0007											
R0296-06	1030	25.4	0008	0009	0010	0011	0012	0013	0014										
R0296-06	1030	30.4	0015	0016	0017	0018	0019	0020	0021	0022									
R0296-06	1030	32.4	0023	0024	0025	0026	0027	0028	0029	0030	0031								
R0296-06	1030	40.4	0032	0033	0034	0035	0036	0037	0038	0039		0040	0041						
R0296-06	1030	50.4	0042	0043	0044	0045	0046	0047	0048	0049		0050	0051	0052					
R0296-06	1030	60.4	0053	0054	0055	0056	0057	0058	0059	0060		0061	0062	0063	0064				
R0296-06	1030	70.4	0065	0066	0067	0068	0069	0070	0071	0072		0073	0074	0075	0076	0077			
R0296-06	1030	80.4	0078	0079	0080	0081	0082	0083	0084	0085		0086	0087	0088	0089		0090		
R0296-06	1030	100.4	0091	0092	0093	0094	0095	0096	0097	0098		0099	0100	0101	0102				0103
R0296-06	1030	120.4	0104	0105	0106	0107	0108	0109	0110	0111		0112	0113	0114	0115				
R0296-06	1030	150.4	0116	0117	0118	0119	0120	0121	0122	0123		0124	0125	0126	0127				
R0296-06	1030	180.4	0128	0129	0130	0131	0132	0133	0134	0135		0136	0137	0138	0139				
R0296-06	1030	200.4	0140	0141	0142	0143	0144	0145	0146	0147		0148	0149	0150	0151				
R0296-06	1030	250.4	0152	0153	0154	0155	0156	0157	0158	0159		0160	0161	0162	0163				
R0296-06	1030	300.4	0164	0165	0166	0167	0168	0169	0170	0171		0172	0173	0174	0175				
R0296-06	1030	500.4		0176	0177	0178	0179	0180	0181	0182		0183	0184	0185	0186				

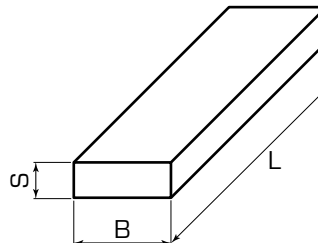
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0297

Piastra pre-rettificata - P2085  
Pre-finished flat steel plate - P2085



Colore identificativo  
Colour symbol

#### Descrizione:

Esempio di ordinativo: **R0297-06-0001**

Materiale: 1.2085

Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm

Per la sezione quadrata: S e B +0.25 mm

#### Description:

Example of purchasing order: **R0297-06-0001**

Material: 1.2085

Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm

For square section: S and B +0.25 mm

Codice Code	L	B	S									
			8.4	10.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4	80.4
R0297-06	1030	20.4	0001	0002	0003	0004						
R0297-06	1030	25.4	0005	0006	0007	0008	0009					
R0297-06	1030	30.4	0010	0011	0012	0013	0014	0015				
R0297-06	1030	40.4	0016	0017	0018	0019	0020	0021	0022			
R0297-06	1030	50.4	0023	0024	0025	0026	0027	0028	0029	0030		
R0297-06	1030	60.4	0031	0032	0033	0034	0035	0036	0037	0038	0039	
R0297-06	1030	80.4	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049
R0297-06	1030	100.4	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059
R0297-06	1030	125.4	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069
R0297-06	1030	150.4	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079
R0297-06	1030	200.4	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089
R0297-06	1030	250.4	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099
R0297-06	1030	300.4	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109

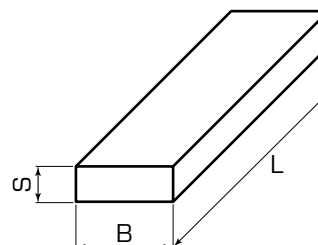
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0299 Piastra pre-rettificata - P0570

#### Pre-finished flat steel plate - P0570



Colore identificativo  
Colour symbol

#### Descrizione: Description:

**Esempio di ordinativo: R0299-06-0001**  
 Materiale: 1.0570  
 Tolleranze: S +0.25 mm, B +0.4 mm, L ±20 mm  
 Per la sezione quadrata: S e B +0.25 mm

**Example of purchasing order: R0299-06-0001**  
 Material: 1.0570  
 Tolerances: S +0.25 mm, B +0.4 mm, L ±20 mm  
 For square section: S and B +0.25 mm

Codice Code	L	B	S																				
			4.4	5.4	6.4	8.4	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	100.4	120.4	150.4
R0299-06	1030	10.4					0001																
R0299-06	1030	12.4						0002															
R0299-06	1030	15.4							0003														
R0299-06	1030	16.4								0004													
R0299-06	1030	20.4			0005	0006	0007	0008	0009		0010												
R0299-06	1030	25.4	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020											
R0299-06	1030	30.4	0021	0022	0023	0024	0025	0026	0027		0028	0029	0030										
R0299-06	1030	32.4	0031	0032	0033	0034	0035	0036		0037	0038	0039		0040									
R0299-06	1030	40.4	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053								
R0299-06	1030	50.4	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067							
R0299-06	1030	60.4	0068	0069	0070	0071	0072	0073	0074		0075	0076	0077		0078	0079	0080						
R0299-06	1030	63.4	0081	0082	0083	0084	0085	0086		0087	0088	0089		0090	0091	0092		0093					
R0299-06	1030	70.4	0094	0095	0096	0097	0098	0099	0100		0101	0102	0103		0104	0105	0106		0107				
R0299-06	1030	80.4	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125			
R0299-06	1030	100.4	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144		
R0299-06	1030	120.4	0145	0146	0147	0148	0149	0150	0151		0152	0153	0154		0155	0156	0157		0158	0159	0160	0161	
R0299-06	1030	125.4	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177		0178	0179		
R0299-06	1030	140.4	0180	0181	0182	0183	0184	0185	0187		0187	0188	0189		0190	0191	0192		0193	0194	0195		
R0299-06	1030	150.4	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214		0215
R0299-06	1030	160.4	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234		
R0299-06	1030	175.4			0235	0236	0237	0238		0239	0240	0241		0242	0243	0244		0245			0246	0247	
R0299-06	1030	180.4			0248	0249	0250	0251	0252		0253	0254	0255		0256	0257	0258		0259	0260	0261		
R0299-06	1030	200.4			0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278		
R0299-06	1030	250.4			0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295		
R0299-06	1030	300.4			0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	0312		
R0299-06	1030	315.4			0313	0314	0315	0316		0317	0318	0319		0320	0321	0322		0323		0324	0325		
R0299-06	1030	350.4			0326	0327	0328	0329	0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342		
R0299-06	1030	400.4	0343	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361		
R0299-06	1030	450.4									0362	0363		0364	0365	0366		0367		0368	0369		
R0299-06	1030	500.4						0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	

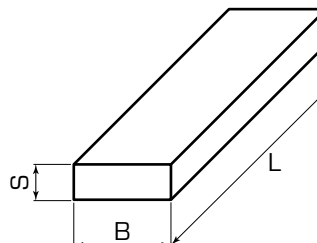
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0657

Piastra pre-rettificata - TOOLOX 33  
Pre-finished flat steel plate - TOOLOX 33



#### Descrizione:

Esempio di ordinativo: **R0657-06-0001**  
Materiale: TOOLOX 33  
Tolleranze: S +0.2 mm, B +0.2 mm, L +40 mm  
Per la sezione quadrata: S e B +0.2 mm

#### Description:

Example of purchasing order: **R0657-06-0001**  
Material: TOOLOX 33  
Tolerances: S +0.2 mm, B +0.2 mm, L +40 mm  
For square section: S and B +0.2 mm

Codice Code	L	B	S																			
			4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	100.4	
R0657-06	1000	10.4					0001															
R0657-06	1000	12.4						0002														
R0657-06	1000	15.4							0003													
R0657-06	1000	16.4								0004												
R0657-06	1000	20.3	0005	0006	0007	0008	0009	0010	0011													
R0657-06	1000	20.4									0012											
R0657-06	1000	25.3	0013	0014	0015	0016	0017	0018	0019	0020	0021											
R0657-06	1000	25.4										0022										
R0657-06	1000	30.3	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032										
R0657-06	1000	30.4											0033									
R0657-06	1000	32.3			0034	0035	0036	0037	0038	0039	0040	0041										
R0657-06	1000	32.4												0042								
R0657-06	1000	40.3	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053									
R0657-06	1000	40.4													0054							
R0657-06	1000	50.3	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067							
R0657-06	1000	50.4															0068					
R0657-06	1000	60.3	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082						
R0657-06	1000	60.4															0083					
R0657-06	1000	63.3	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097						
R0657-06	1000	70.3	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112					
R0657-06	1000	70.4																	0113			
R0657-06	1000	80.3	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129				
R0657-06	1000	80.4																			0130	
R0657-06	1000	100.3	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146			0147	
R0657-06	1000	100.4																				0148
R0657-06	1000	120.3							0149		0150	0151	0152		0153	0154	0155	0156			0157	
R0657-06	1000	125.3			0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171			0172	
R0657-06	1000	150.3			0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186			0187	0188
R0657-06	1000	200.3			0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202			0203	0204
R0657-06	1000	220.3					0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216			0217	0218
R0657-06	1000	250.3					0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230			0231	
R0657-06	1000	300.3					0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243			0244	
R0657-06	1000	400.3					0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255			0256		
R0657-06	1000	500.3					0257	0258	0259	0260	0261	0262	0263	0264	0265	0266	0267			0268		

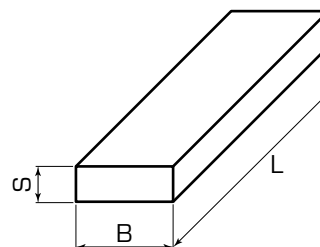
# Piastre pre-rettificate

## Pre-finished flat steel plates



### R0658

Piastra pre-rettificata - TOOLOX 44  
Pre-finished flat steel plate - TOOLOX 44



#### Descrizione:

**Esempio di ordinativo: R0658-06-0001**  
 Materiale: TOOLOX 44  
 Tolleranze: S +0.2 mm, B +0.2 mm, L +40 mm  
 Per la sezione quadrata: S e B +0.2 mm

#### Description:

**Example of purchasing order: R0658-06-0001**  
 Material: TOOLOX 44  
 Tolerances: S +0.2 mm, B +0.2 mm, L +40 mm  
 For square section: S and B +0.2 mm

Codice Code	L	B	S														
			4.2	5.2	6.2	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4		
R0658-06	1000	10.4					0001										
R0658-06	1000	12.4						0002									
R0658-06	1000	15.4							0003								
R0658-06	1000	20.3	0004	0005	0006	0007	0008	0009	0010								
R0658-06	1000	20.4								0011							
R0658-06	1000	25.3	0012	0013	0014	0015	0016	0017	0018	0019							
R0658-06	1000	25.4									0020						
R0658-06	1000	30.3	0021	0022	0023	0024	0025	0026	0027	0028	0029						
R0658-06	1000	30.4										0030					
R0658-06	1000	40.3	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040					
R0658-06	1000	40.4												0041			
R0658-06	1000	50.3	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052				
R0658-06	1000	50.4														0053	
R0658-06	1000	60.3	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065			
R0658-06	1000	60.4															0066
R0658-06	1000	70.3	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079		
R0658-06	1000	80.3	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092		
R0658-06	1000	100.3	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105		
R0658-06	1000	120.3							0106	0107	0108	0109	0110	0111			
R0658-06	1000	150.3				0112	0113	0114	0115	0116	0117	0118	0119	0120	0121		
R0658-06	1000	200.3				0122	0123	0124	0125	0126	0127	0128	0129	0130	0131		
R0658-06	1000	250.3				0132	0133	0134	0135	0136	0137	0138	0139	0140			
R0658-06	1000	300.3				0141	0142	0143	0144	0145	0146	0147	0148	0149			
R0658-06	1000	400.3							0150	0151	0152	0153	0154	0155			
R0658-06	1000	500.3				0156	0157	0158	0159	0160	0161	0162	0163	0164			

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock























**AUTOLUBRIFICANTI  
SELF-LUBRICATING PARTS**

**RANCO** 





# INDICE INDEX

<b>BUSSOLE SERIE EUROPA EUROPEAN STANDARD BUSHES</b>			
<b>R0300</b>		Bussola guida senza collare bronzo/grafite - R2052.70 Guide bush without collar, bronze/graphite - R2052.70	<b>5</b>
<b>R0485</b>		Bussola guida con collare in bronzo/grafite - R2085.71 Guide bush with collar, bronze/graphite - R2085.71	<b>7</b>
<b>R0301</b>		Bussola guida con collare in bronzo/grafite - R2087.72 Guide bush with collar, bronze/graphite - R2087.72	<b>8</b>
<b>R0302</b>		Bussola guida con collare in bronzo/grafite - R2087.70 Guide bush with collar, bronze/graphite - R2087.70	<b>9</b>
<b>R0303</b>		Bussola guida con collare spallata in bronzo/grafite - R2087.71 Guide bush with centring collar, bronze/graphite - R2087.71	<b>10</b>
<b>R0304</b>		Bussola guida con collare spallata in bronzo/grafite - R2087.73 Guide bush with centring collar, bronze/graphite - R2087.73	<b>11</b>
<b>GUIDE E PIASTRE SCORRIMENTO GUIDINGS AND SLIDINGS</b>			
<b>R0308</b>		Elemento di scorrimento piatto in bronzo/grafite - R2961.70 Flat guide bar, bronze/graphite - R2961.70	<b>12</b>
<b>R0305</b>		Elemento di scorrimento piatto in bronzo/grafite - R2961.71 Flat guide bar, bronze/graphite - R2961.71	<b>14</b>
<b>R0306</b>		Elemento di scorrimento piatto in bronzo/grafite - R2961.73 Flat guide bar, bronze/graphite - R2961.73	<b>15</b>
<b>R0310</b>		Piastra di scorrimento di piccole dimensioni in bronzo/grafite - R2960.72 Sliding pad in small dimensions, bronze/graphite - R2960.72	<b>16</b>
<b>R0311</b>		Elemento di guida piatto VDI 3357 a due superfici di scorrimento, bronzo/grafite - R2962.75 Flat guide bar VDI3357 with two sliding surfaces, bronze/graphite - R2962.75	<b>18</b>
<b>R0309</b>		Piastra di scorrimento in bronzo/grafite - R2962.78 Sliding pad, bronze/graphite - R2962.78	<b>19</b>
<b>R0312</b>		Elemento di guida piatto con una superficie di scorrimento, bronzo/grafite - R2962.79 Flat guide bar with a sliding surface, bronze/graphite - R2962.79	<b>23</b>
<b>R0307</b>		Elemento di scorrimento piatto in bronzo/grafite - R2962.80 Flat guide bar, bronze/graphite - R2962.80	<b>24</b>
<b>R0313</b>		Piastra di scorrimento in bronzo/grafite - R2960.85 Sliding pad, bronze/graphite - R2960.85	<b>25</b>
<b>R0314</b>		Elemento di scorrimento angolari in bronzo/grafite - R2962.70 Angled guide gib, bronze/graphite - R2962.70	<b>27</b>
<b>R0315</b>		Elemento di scorrimento angolari in bronzo/grafite - R2962.71 Angled guide gib, bronze/graphite - R2962.71	<b>29</b>
<b>R0316</b>		Elemento di scorrimento angolari in bronzo/grafite - R2962.72 Angled guide gib, bronze/graphite - R2962.72	<b>29</b>
<b>R0317</b>		Elemento di scorrimento angolari in bronzo/grafite - R2962.81 Angled guide gib, bronze/graphite - R2962.81	<b>30</b>
<b>R0318</b>		Listello di scorrimento a T in bronzo/grafite - R2964.77 T-Guide bar, bronze/graphite - R2964.77	<b>32</b>
<b>R0319</b>		Listello di scorrimento a T in bronzo/grafite - R2964.78 T-Guide bar, bronze/graphite - R2964.78	<b>32</b>
<b>R0320</b>		Piastra di scorrimento VDI 3387 in bronzo/grafite - R2960.73 Sliding pad VDI 3387, bronze/graphite - R2960.73	<b>33</b>



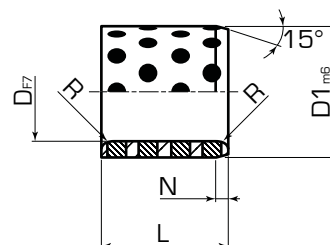
# Bussole serie Europa European standard bushes



## R0300

Bussola guida senza collare bronzo/grafite - R2052.70

Guide bush without collar, bronze/graphite - R2052.70



### Descrizione:

Esempio di ordinativo: R0300-07-0001

Materiale: Bronzo, Grafite

### Description:

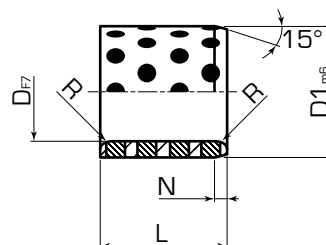
Example of purchasing order: R0300-07-0001

Material: Bronze, Graphite

Codice Code	D	D1	N	R	L																
					8	10	12	15	16	20	25	30	35	37	40	47	50	60	70	77	80
R0300-07	8	12	2	0.5	0001	0002	0003	0004													
R0300-07	10	14	2	0.5	0005	0006	0007	0008		0009											
R0300-07	10	15	2	0.5		0010															
R0300-07	12	18	2	0.5		0011	0012	0013	0014	0015	0016	0017									
R0300-07	13	19	2	0.5		0018		0019	0020	0021											
R0300-07	14	20	2	0.5		0022	0023	0024		0025	0026	0027									
R0300-07	15	21	2	0.75		0028	0029	0030	0031	0032	0033	0034									
R0300-07	16	22	2	0.75		0035	0036	0037	0038	0039	0040	0041	0042		0043						
R0300-07	18	24	2	0.75				0044	0045	0046	0047	0048	0049		0050						
R0300-07	19	25	2	0.75										0051							
R0300-07	20	26	4	0.75											0052						
R0300-07	20	28	4	0.75				0053	0054	0055	0056	0057	0058	0059	0060		0061				
R0300-07	20	30	4	0.75				0062	0063	0064	0065	0066			0067						
R0300-07	24	32	4	0.75												0068					
R0300-07	25	32	4	0.75									0269				0069				
R0300-07	25	33	4	0.75				0070	0071	0072	0073	0074		0075	0076	0077	0078				
R0300-07	25	35	4	0.75				0079	0080	0081	0082	0083		0084		0085					
R0300-07	28	38	4	0.75							0086			0087							
R0300-07	30	38	4	0.75						0088	0089	0090	0091		0092		0093	0094			
R0300-07	30	40	4	0.75						0095	0096	0097	0098		0099		0100	0101			
R0300-07	30	42	4	0.75														0102			
R0300-07	31.5	40	4	0.75							0103				0104						
R0300-07	32	42	4	0.75							0105				0106			0107			
R0300-07	35	44	4	0.75								0108	0109	0110		0111		0112	0113		
R0300-07	35	45	4	0.75						0114	0115	0116	0117		0118		0119	0120			
R0300-07	38	48	4	1.5								0121			0122					0123	
R0300-07	40	50	4	1.5						0124	0125	0126	0127		0128		0129	0130	0131	0132	0133
R0300-07	40	55	4	1.5							0134	0135	0136		0137		0138	0139			
R0300-07	45	55	4	1.5								0140	0141		0142		0143	0144			
R0300-07	45	56	4	1.5								0145	0146		0147		0148	0149			
R0300-07	45	60	4	1.5								0150	0151		0152		0153	0154	0155		0156

## R0300

Bussola guida senza collare bronzo/grafite - R2052.70  
Guide bush without collar, bronze/graphite - R2052.70



### Descrizione:

Esempio di ordinativo: R0300-07-0001  
Materiale: Bronzo, Grafite

### Description:

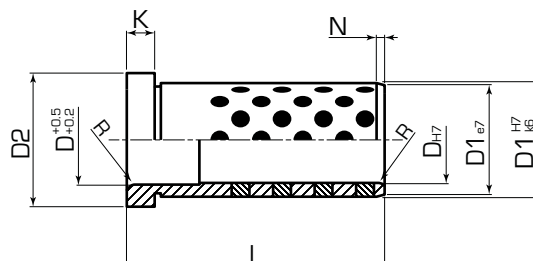
Example of purchasing order: R0300-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	N	R	L															
					30	35	37	40	47	50	60	70	77	80	95	100	120	130	140	150
R0300-07	50	60	4	1.5	0157	0158		0159		0160	0161	0162		0163	0164					
R0300-07	50	62	4	1.5	0165	0166		0167		0168	0169	0170								
R0300-07	50	65	4	1.5	0171			0172		0173	0174	0175		0176		0177				
R0300-07	55	70	4	2				0178		0179	0180	0181								
R0300-07	60	74	4	2	0182	0183		0184		0185	0186	0187		0188						
R0300-07	60	75	4	2	0189	0190		0191		0192	0193	0194		0195		0196				
R0300-07	63	75	4	2						0197	0198		0199			0200				
R0300-07	65	80	4	2					0201	0202	0203		0204							
R0300-07	70	85	4	2		0205		0206		0207	0208	0209		0210		0211				
R0300-07	70	90	4	2					0212	0213	0214		0215							
R0300-07	75	90	4	2						0216	0217		0218		0219					
R0300-07	75	95	4	2						0220	0221		0222		0223					
R0300-07	80	96	4	2				0224		0225	0226	0227		0228		0229	0230			
R0300-07	80	100	4	2				0231		0232	0233	0234		0235		0236	0237		0238	
R0300-07	85	100	4	2										0239						
R0300-07	90	110	4	2						0240	0241		0242		0243	0244				
R0300-07	100	120	4	2						0245	0246		0247		0248	0249		0250		
R0300-07	110	130	4	2									0251		0252	0253				
R0300-07	120	140	4	2									0254		0255	0256		0257		
R0300-07	125	145	4	2											0258	0259				
R0300-07	130	150	4	2											0260	0261	0262			
R0300-07	140	160	4	2											0263			0264		
R0300-07	150	170	4	2											0265					0266
R0300-07	160	180	4	2											0267					0268



## R0301

Bussola guida con collare in bronzo/grafite - R2087.72  
Guide bush with collar, bronze/graphite - R2087.72



### Descrizione:

Esempio di ordinativo: R0301-07-0001  
Materiale: Bronzo, Grafite

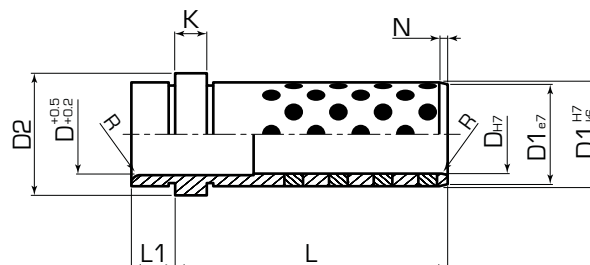
### Description:

Example of purchasing order: R0301-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	K	N	R	L																		
							12	17	22	27	36	46	56	66	76	86	96	116	136	156	196				
R0301-07	9	14	16	3	1.5	0.5	0001	0002	0003	0004	0005	0006	0007												
R0301-07	10	14	16	3	1.5	0.5	0008	0009	0010	0011	0012	0013	0014												
R0301-07	12	18	23	6	2	1		0015	0016	0017	0018	0019	0020												
R0301-07	14	20	25	6	2	1		0021	0022	0023	0024	0025	0026												
R0301-07	15	20	25	6	2	1		0027	0028	0029	0030	0031	0032												
R0301-07	16	22	27	6	2	2		0033	0034	0035	0036	0037	0038												
R0301-07	18	26	31	6	2	2		0039	0040	0041	0042	0043	0044	0045	0046										
R0301-07	20	26	31	6	2	2		0047	0048	0049	0050	0051	0052	0053	0054										
R0301-07	22	30	35	6	3	3		0055	0056	0057	0058	0059	0060	0061	0062	0063	0064								
R0301-07	24	30	35	6	3	3		0065	0066	0067	0068	0069	0070	0071	0072	0073	0074								
R0301-07	25	32	38	6	3	3						0075	0076	0077	0078	0079									
R0301-07	30	42	47	6	4	3				0080	0081	0082	0083	0084	0085	0086	0087	0088							
R0301-07	32	42	47	6	4	3				0089	0090	0091	0092	0093	0094	0095	0096	0097							
R0301-07	40	54	60	10	5	3						0098	0099	0100	0101	0102	0103	0104	0105	0106					
R0301-07	42	54	60	10	5	3						0107	0108	0109	0110	0111	0112	0113	0114	0115					
R0301-07	50	66	72	10	5	3								0116	0117	0118	0119	0120	0121	0122	0123				
R0301-07	60	80	86	20	5	3											0124	0125	0126	0127	0128				

## R0302

Bussola guida con collare in bronzo/grafite - R2087.70  
Guide bush with collar, bronze/graphite - R2087.70



### Descrizione:

Esempio di ordinativo: R0302-07-0001  
Materiale: Bronzo, Grafite

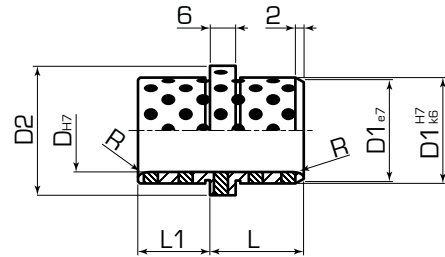
### Description:

Example of purchasing order: R0302-07-0001  
Material: Bronze, Graphite

Codice Code	D	D1	D2	K	N	R	L1	L																		
								12	17	22	27	36	46	56	66	76	86	96	116	136	156	196				
R0302-07	9	14	16	3	1.5	0.5	3	0001	0002	0003	0004	0005	0006	0007	0008											
R0302-07	10	14	16	3	1.5	0.5	3	0009	0010	0011	0012	0013	0014	0015	0016											
R0302-07	14	20	25	6	2	1	6		0017	0018	0019	0020	0021	0022	0023	0024	0025									
R0302-07	15	20	25	6	2	1	6		0026	0027	0028	0029	0030	0031	0032	0033	0034									
R0302-07	18	26	31	6	2	2	8		0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045							
R0302-07	20	26	31	6	2	2	8		0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056							
R0302-07	22	30	35	6	3	3	8		0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069					
R0302-07	24	30	35	6	3	3	8		0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082					
R0302-07	30	42	47	6	4	3	8				0083	0084	0085	0086	0087	0088	0089	0090	0091	0092						
R0302-07	32	42	47	6	4	3	8				0093	0094	0095	0096	0097	0098	0099	0100	0101	0102						
R0302-07	40	54	60	10	5	3	12						0103	0104	0105	0106	0107	0108	0109	0110	0111	0112				
R0302-07	42	54	60	10	5	3	12						0113	0114	0115	0116	0117	0118	0119	0120	0121	0122				

## R0303

Bussola guida con collare spallata in bronzo/grafite - R2087.71  
Guide bush with centring collar, bronze/graphite - R2087.71



### Descrizione:

Esempio di ordinativo: R0303-07-0001  
Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0303-07-0001  
Material: Bronze, Graphite

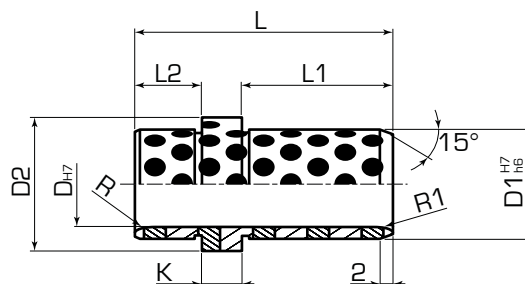
Codice Code	D	D1	D2	L1	R	L			
						17	22	27	36
R0303-07	14	20	25	9	1	0001			
R0303-07	15	20	25	9	1	0002			
R0303-07	18	26	31	17	1.5		0003		
R0303-07	20	26	31	17	1.5		0004		
R0303-07	22	30	35	22	2			0005	
R0303-07	24	30	35	22	2			0006	
R0303-07	30	42	47	27	2				0007
R0303-07	32	42	47	27	2				0008



## R0304

Bussola guida con collare spallata in bronzo/grafite - R2087.73

Guide bush with centring collar, bronze/graphite - R2087.73



### Descrizione:

Esempio di ordinativo: R0304-07-0001

Materiale: Bronzo, Grafite

### Description:

Example of purchasing order: R0304-07-0001

Material: Bronze, Graphite

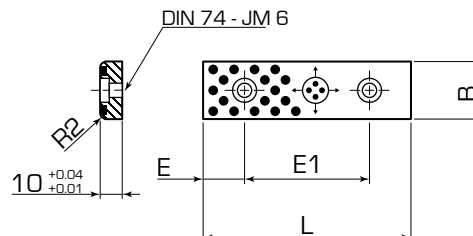
Codice Code	D	D1	D2	L1	K	L2	R	R1	L									
									43	60	64	77	78	92	95	100	108	
R0304-07	25	35	40	24	7.5	11.5	3	2	0001									
R0304-07	30	42	47	24	7.5	11.5	3	2	0002									
R0304-07	40	50	60	35.5	6	18.5	4	2		0003								
R0304-07	40	50	60	39.5	6	18.5	4	2			0004							
R0304-07	50	63	72	44.5	8	24.5	4	3				0005						
R0304-07	50	63	72	55.5	8	28.5	4	3						0006				
R0304-07	60	80	86	49	7.5	21.5	3	3					0007					
R0304-07	63	80	90	55.5	8	31.5	4	3							0008			
R0304-07	63	80	90	62.5	8	29.5	4	3								0009		
R0304-07	63	80	90	62.5	8	37.5	4	3									0010	

### R0308

Elemento di scorrimento piatto in bronzo/grafite - R2961.70  
Flat guide bar, bronze/graphite - R2961.70



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0308-07-0001  
Materiale: Bronzo, Grafite

**Description:**

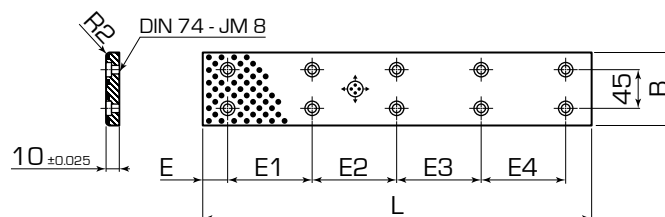
Example of purchasing order: R0308-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	E	Vite DIN 7984 Screw DIN 7984	Numero fori Number of holes	L				
					75	100	125	150	
					E1				
					45	50	75	100	
R0308-07	18	15	M 6x20	2	0001				
R0308-07	18	25	M 6x20	2		0002	0003	0004	
R0308-07	28	15	M 6x20	2	0005				
R0308-07	28	25	M 6x20	2		0006	0007	0008	
R0308-07	38	15	M 6x20	2	0015				
R0308-07	38	25	M 6x20	2		0016	0017	0018	
R0308-07	48	15	M 6x20	2	0019				
R0308-07	48	25	M 6x20	2		0020	0021	0022	

FORMA E  
SHAPE E



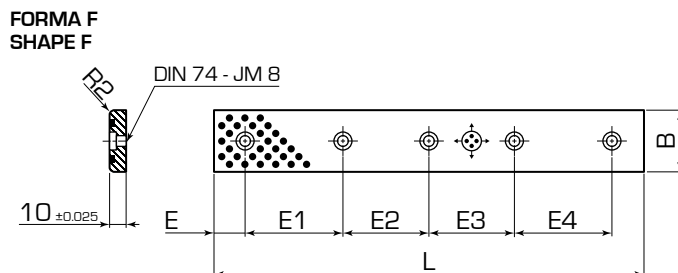
**Forma E**

**Shape E**

Codice Code	B	E	E2	E3	E4	Vite DIN 7984 Screw DIN 7984	Numero fori Number of holes	L						
								150	200	250	300	400	500	
								E1						
								110	80	105	85	120	115	
R0308-07	75	20	-	-	-	M 8x20	4	0030						
R0308-07	75	20	80	-	-	M 8x20	6		0031					
R0308-07	75	20	105	-	-	M 8x20	6			0032				
R0308-07	75	20	90	85	-	M 8x20	8				0033			
R0308-07	75	20	120	120	-	M 8x20	8					0034		
R0308-07	75	20	115	115	115	M 8x20	10							0035

### R0308

Elemento di scorrimento piatto in bronzo/grafite - R2961.70  
 Flat guide bar, bronze/graphite - R2961.70



#### Descrizione:

Esempio di ordinativo: R0308-07-0001  
 Materiale: Bronzo, Grafite

#### Description:

Example of purchasing order: R0308-07-0001  
 Material: Bronze, Graphite

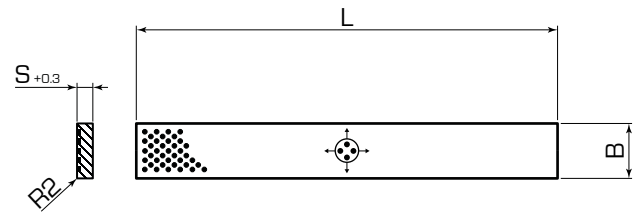
#### Forma F

#### Shape F

Codice Code	B	E	E2	E3	E4	Vite DIN 7984 Screw DIN 7984	Numero fori Number of holes	L							
								100	150	200	250	300	350	400	
								E1							
								60	55	55	70	65	80	90	
R0308-07	35	20	-	-	-	M 8x20	2	0009							
R0308-07	35	20	55	-	-	M 8x20	3		0010						
R0308-07	35	20	50	55	-	M 8x20	4			0011					
R0308-07	35	20	70	70	-	M 8x20	4				0012				
R0308-07	35	20	65	65	65	M 8x20	5					0013			
R0308-07	35	20	75	75	80	M 8x20	5						0014		
R0308-07	50	20	-	-	-	M 8x20	2	0023							
R0308-07	50	20	55	-	-	M 8x20	3		0024						
R0308-07	50	20	50	55	-	M 8x20	4			0025					
R0308-07	50	20	70	70	-	M 8x20	4				0026				
R0308-07	50	20	65	65	65	M 8x20	5					0027			
R0308-07	50	20	75	75	80	M 8x20	5						0028		
R0308-07	50	20	90	90	90	M 8x20	5								0029

### R0305

Elemento di scorrimento piatto in bronzo/grafite - R2961.71  
 Flat guide bar, bronze/graphite - R2961.71



#### Descrizione:

Esempio di ordinativo: R0305-07-0001  
 Materiale: Bronzo, Grafite

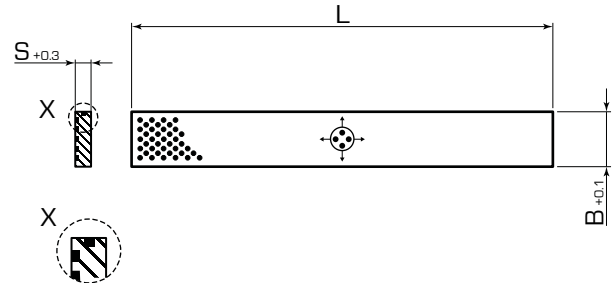
#### Description:

Example of purchasing order: R0305-07-0001  
 Material: Bronze, Graphite

Codice Code	B	S	L		
			305	605	1005
R0305-07	20	4	0001		
R0305-07	25	5	0002		
R0305-07	30	4	0003		
R0305-07	30	6	0004	0005	
R0305-07	30	8	0006	0007	
R0305-07	30	10	0008	0009	0010
R0305-07	30	12	0011	0012	0013
R0305-07	35	10	0014	0015	0016
R0305-07	40	5	0017	0018	
R0305-07	40	6	0019	0020	
R0305-07	40	8	0021	0022	0023
R0305-07	40	10	0024	0025	0026
R0305-07	40	12		0027	0028
R0305-07	40	16		0029	0030
R0305-07	50	10	0031	0032	0033
R0305-07	50	12		0034	0035
R0305-07	50	20		0036	0037
R0305-07	60	12		0038	0039
R0305-07	60	16		0040	0041
R0305-07	80	10	0042	0043	0044
R0305-07	80	12		0045	0046
R0305-07	80	16		0047	0048
R0305-07	80	20		0049	0050
R0305-07	80	25		0051	0052
R0305-07	100	16		0053	0054
R0305-07	100	20		0055	0056
R0305-07	100	25		0057	0058
R0305-07	125	20		0059	0060
R0305-07	125	25		0061	0062
R0305-07	160	25		0063	0064

### R0306

Elemento di scorrimento piatto in bronzo/grafite - R2961.73  
 Flat guide bar, bronze/graphite - R2961.73



#### Descrizione:

Esempio di ordinativo: R0305-07-0001  
 Materiale: Bronzo, Grafite

#### Description:

Example of purchasing order: R0305-07-0001  
 Material: Bronze, Graphite

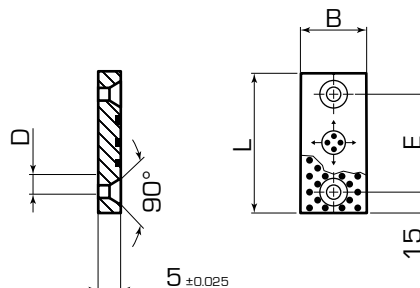
Codice Code	B	S	L	
			305	605
R0306-07	25	5	0001	
R0306-07	30	6	0002	
R0306-07	35	10		0003
R0306-07	40	8		0004
R0306-07	40	12		0005
R0306-07	50	10		0006
R0306-07	60	16		0007
R0306-07	80	12		0008
R0306-07	80	20		0009
R0306-07	100	20		0010

### R0310

Piastra di scorrimento di piccole dimensioni in bronzo/grafite - R2960.72  
Sliding pad in small dimensions, bronze/graphite - R2960.72



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0310-07-0001  
Materiale: Bronzo, Grafite

**Description:**

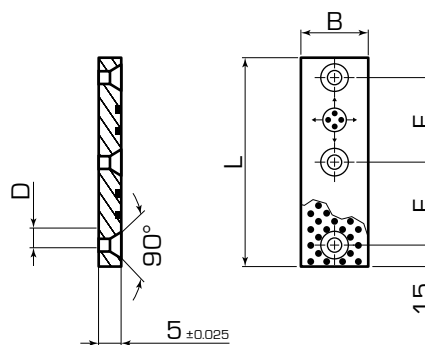
Example of purchasing order: R0310-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	D	Numero fori Number of holes	L			
				50	75	100	125
				E			
				20	45	70	95
R0310-07	18	6.5	2	0001	0002	0003	
R0310-07	28	9.0	2	0005	0006	0007	
R0310-07	38	9.0	2	0009	0010	0011	
R0310-07	48	9.0	2		0013	0014	0015

FORMA B  
SHAPE B



**Forma B**

**Shape B**

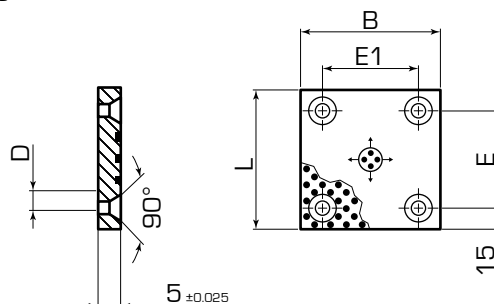
Codice Code	B	D	Numero fori Number of holes	L	
				150	
				E	
				60	
R0310-07	18	6.5	3		0004
R0310-07	28	9.0	3		0008
R0310-07	38	9.0	3		0012
R0310-07	48	9.0	3		0016

## R0310

Piastra di scorrimento di piccole dimensioni in bronzo/grafite - R2960.72  
Sliding pad in small dimensions, bronze/graphite - R2960.72



FORMA C  
SHAPE C



**Descrizione:**

Esempio di ordinativo: R0310-07-0001  
Materiale: Bronzo, Grafite

**Description:**

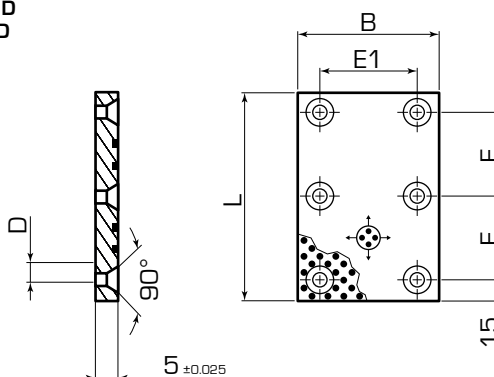
Example of purchasing order: R0310-07-0001  
Material: Bronze, Graphite

**Forma C**

**Shape C**

Codice Code	B	E1	D	Numero fori Number of holes	L		
					75	100	125
					E		
					45	70	95
R0310-07	75	45	9.0	4	<b>0017</b>	<b>0018</b>	<b>0019</b>
R0310-07	100	70	9.0	4		<b>0021</b>	<b>0022</b>

FORMA D  
SHAPE D



**Forma D**

**Shape D**

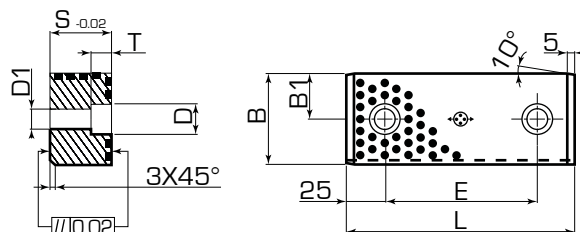
Codice Code	B	E1	D	Numero fori Number of holes	L		
					150		
					E		
					60		
R0310-07	75	45	9.0	6		<b>0020</b>	
R0310-07	100	70	9.0	6		<b>0023</b>	

### R0311

Elemento di guida piatto VDI 3357 a due superfici di scorrimento, bronzo/grafite - R2962.75  
 Flat guide bar VDI3357 with two sliding surfaces, bronze/graphite - R2962.75



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0311-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

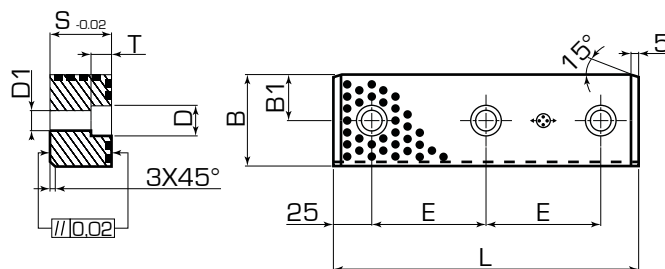
Example of purchasing order: R0311-07-0001  
 Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	B1	S	D	D1	T	Numero fori Number of holes	L					
								110	120	125	150	160	
								E					
								60	70	75	100	110	
R0311-07	25	12.5	12	15	9	8.5	2	0001	0002				
R0311-07	25	12.5	15	18	11	10.5	2	0003	0004				
R0311-07	60	30	30	20	13.5	13	2			0005	0006	0007	
R0311-07	60	30	40	20	13.5	13	2			0009	0010	0011	

FORMA B  
SHAPE B



**Forma B**

**Shape B**

Codice Code	B	B1	S	D	D1	T	Numero fori Number of holes	L	
								200	E
								75	
R0311-07	60	30	30	20	13.5	13	3	0008	
R0311-07	60	30	40	20	13.5	13	3	0012	

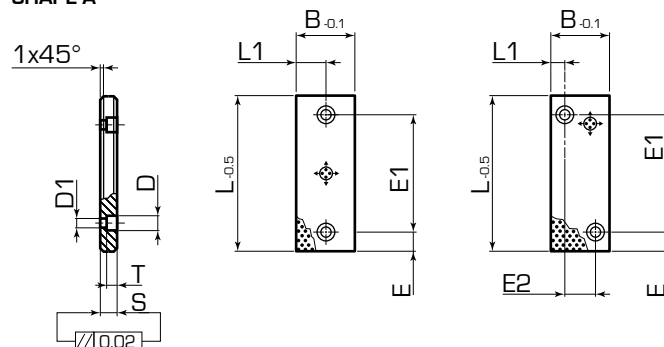


### R0309

Piastra di scorrimento in bronzo/grafite - R2962.78  
Sliding pad, bronze/graphite - R2962.78



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0309-07-0001  
Materiale: Bronzo, Grafite

**Description:**

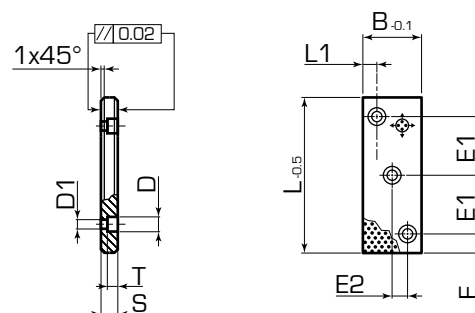
Example of purchasing order: R0309-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											100	E1
R0309-07	30	12	15	20	-	15	9	9	2	Km 8	60	0001
R0309-07	40	12	20	20	-	15	9	9	2	Km 8		0007
R0309-07	40	16	20	20	-	18	11	11	2	Km 10		0010
R0309-07	50	20	15	20	20	20	13.5	13	2	Km 12		0013
R0309-07	60	16	15	20	30	18	11	11	2	Km 10		0016
R0309-07	80	12	20	20	40	15	9	9	2	Km 8		0019
R0309-07	80	20	20	20	40	20	13.5	13	2	Km 12		0022
R0309-07	100	16	20	20	60	18	11	11	2	Km 10		0025

FORMA B  
SHAPE B



**Forma B**

**Shape B**

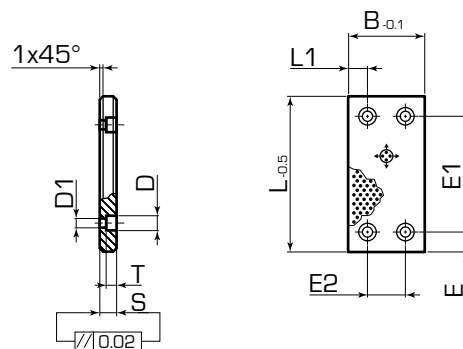
Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											160	250
R0309-07	30	12	15	20	-	15	9	9	3	Km 8	60	0002
R0309-07	40	12	20	20	-	15	9	9	3	Km 8	105	0003
R0309-07	40	16	20	20	-	18	11	11	3	Km 10		0008
R0309-07	40	16	20	20	-	18	11	11	3	Km 10		0011
R0309-07	50	20	15	20	10	20	13.5	13	3	Km 12		0012
R0309-07	50	20	15	20	10	20	13.5	13	3	Km 12		0014
R0309-07	60	16	15	20	15	18	11	11	3	Km 10		0015
R0309-07	60	16	15	20	15	18	11	11	3	Km 10		0017
R0309-07	60	16	15	20	15	18	11	11	3	Km 10		0018

### R0309

Piastra di scorrimento in bronzo/grafite - R2962.78

Sliding pad, bronze/graphite - R2962.78

#### FORMA C SHAPE C



#### Descrizione:

Esempio di ordinativo: R0309-07-0001

Materiale: Bronzo, Grafite

#### Description:

Example of purchasing order: R0309-07-0001

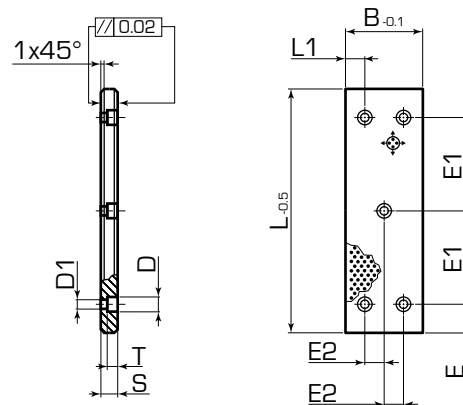
Material: Bronze, Graphite

#### Forma C

#### Shape C

Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											100	160
											E1	
											60	120
R0309-07	80	12	20	20	40	15	9	9	4	Km 8		0020
R0309-07	80	20	20	20	40	20	13.5	13	4	Km 12		0023
R0309-07	100	16	20	20	60	18	11	11	4	km 10		0026
R0309-07	125	20	20	20	85	20	13.5	13	4	Km 12	0028	0029

#### FORMA D SHAPE D



#### Forma D

#### Shape D

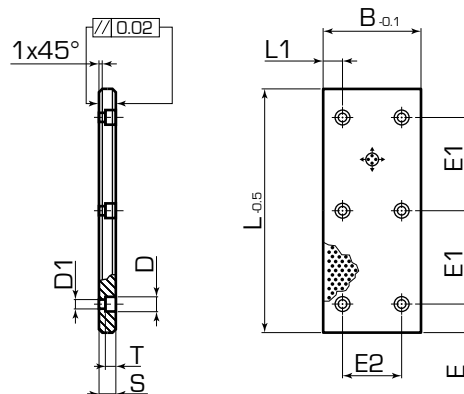
Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											250	
											E1	
											105	
R0309-07	80	12	20	20	20	15	9	9	5	Km 8		0021
R0309-07	80	20	20	20	20	20	13.5	13	5	Km 12		0024

### R0309

Piastra di scorrimento in bronzo/grafite - R2962.78  
Sliding pad, bronze/graphite - R2962.78



FORMA E  
SHAPE E



**Descrizione:**

Esempio di ordinativo: R0309-07-0001  
Materiale: Bronzo, Grafite

**Description:**

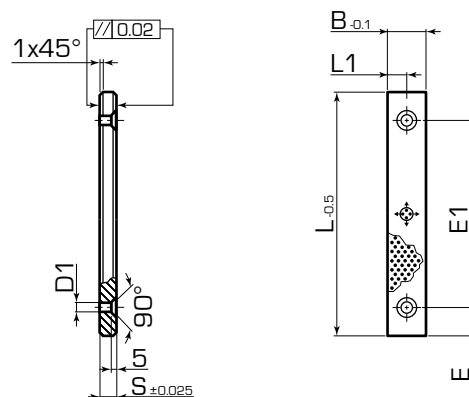
Example of purchasing order: R0309-07-0001  
Material: Bronze, Graphite

**Forma E**

**Shape E**

Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											250	E1
R0309-07	100	16	20	20	60	18	11	11	6	Km 10	105	0027
R0309-07	125	20	20	20	85	20	13.5	13	6	Km 12		0030

FORMA F  
SHAPE F



**Forma F**

**Shape F**

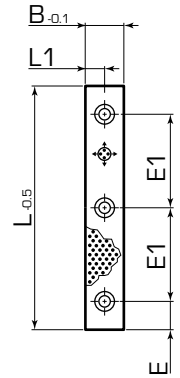
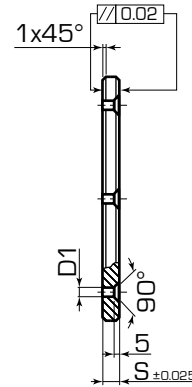
Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											100	E1
R0309-07	40	8	20	20	-	-	9	5	2	Km 8	60	0004

### R0309

Piastra di scorrimento in bronzo/grafite - R2962.78  
Sliding pad, bronze/graphite - R2962.78



FORMA G  
SHAPE G



**Descrizione:**

Esempio di ordinativo: R0309-07-0001  
Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: R0309-07-0001  
Material: Bronze, Graphite

**Forma G**

**Shape G**

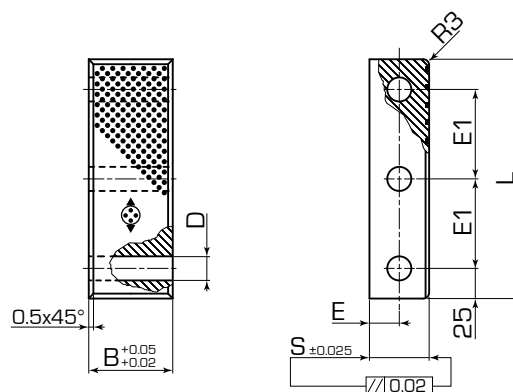
Codice Code	B	S	L1	E	E2	D	D1	T	Numero fori Number of holes	Svasatura DIN 74 Embrasure DIN 74	L	
											160	250
R0309-07	40	8	20	20	-	-	9	5	3	Km 8	60	105
											<b>0005</b>	<b>0006</b>

### R0312

Elemento di guida piatto con una superficie di scorrimento, bronzo/grafite - R2962.79  
 Flat guide bar with a sliding surface, bronze/graphite - R2962.79



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0312-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

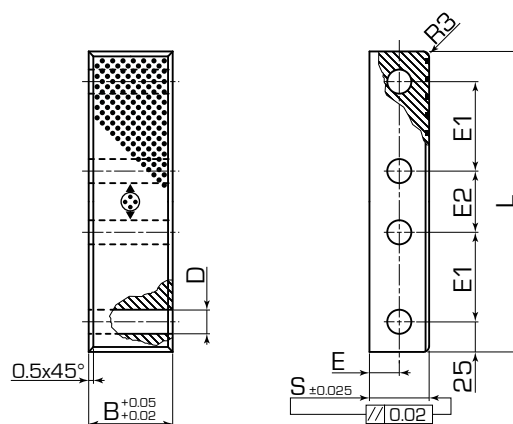
Example of purchasing order: R0312-07-0001  
 Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	S	E	D	Numero fori Number of holes	L	
						150	200
						E1	
						50	75
R0312-07	30	40	20	14	3	0001	0002
R0312-07	40	40	20	14	3	0004	0005
R0312-07	45	50	25	18	3	0007	0008
R0312-07	55	50	25	18	3	0010	0011
R0312-07	60	50	25	18	3	0013	0014
R0312-07	70	50	25	18	3	0016	0017

FORMA B  
SHAPE B



**Forma B**

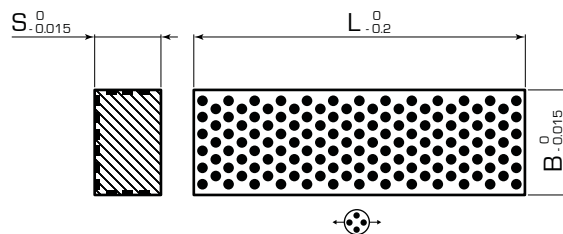
**Shape B**

Codice Code	B	S	E	E2	D	Numero fori Number of holes	L	
							250	
							E1	
							75	
R0312-07	30	40	20	50	14	4	0003	
R0312-07	40	40	20	50	14	4	0006	
R0312-07	45	50	25	50	18	4	0009	
R0312-07	55	50	25	50	18	4	0012	
R0312-07	60	50	25	50	18	4	0015	
R0312-07	70	50	25	50	18	4	0018	

### R0307

Elemento di scorrimento piatto in bronzo/grafite - R2962.80

Flat guide bar, bronze/graphite - R2962.80



#### Descrizione:

Esempio di ordinativo: R0307-07-0001

Materiale: Bronzo, Grafite

#### Description:

Example of purchasing order: R0307-07-0001

Material: Bronze, Graphite

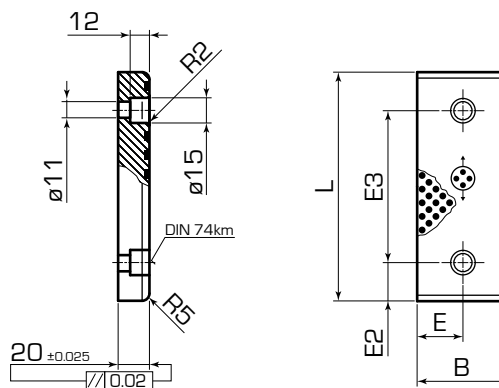
Codice Code	B	S	L						
			80	100	125	160	200	250	315
R0307-07	25	16	0001	0002	0003				
R0307-07	40	25			0004	0005	0006		
R0307-07	63	40					0007	0008	0009

## R0313

Piastra di scorrimento in bronzo/grafite - R2960.85  
Sliding pad, bronze/graphite - R2960.85



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0313-07-0001  
Materiale: Bronzo, Grafite

**Description:**

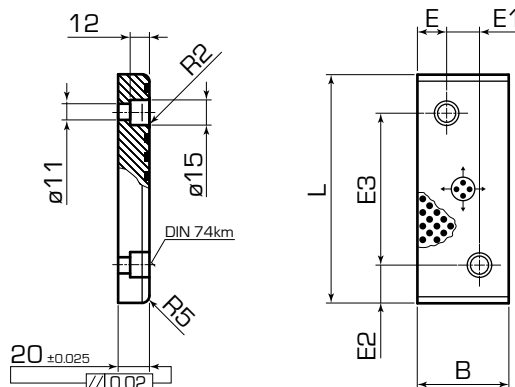
Example of purchasing order: R0313-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	E	E2	Numero fori Number of holes	L				
					75	100	125	150	200
					E3				
R0313-07	28	14	15	2	0001				
R0313-07	28	14	25	2		0002	0003	0004	
R0313-07	38	19	15	2	0005				
R0313-07	38	19	25	2		0006	0007	0008	0009
R0313-07	48	24	15	2	0010				
R0313-07	48	24	25	2		0011	0012	0013	0014
R0313-07	58	29	15	2	0015				
R0313-07	58	29	25	2		0016		0017	
R0313-07	75	37.5	15	2	0019				
R0313-07	75	37.5	25	2		0021	0022	0023	0024

FORMA B  
SHAPE B



**Forma B**

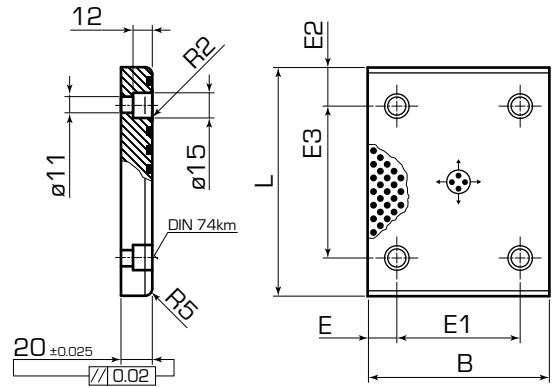
**Shape B**

Codice Code	B	E	E1	E2	Numero fori Number of holes	L	
						75	100
						E3	
R0313-07	75	25	25	25	2	0018	0020

## R0313 Piastra di scorrimento in bronzo/grafite - R2960.85 Sliding pad, bronze/graphite - R2960.85



FORMA C  
SHAPE C



**Descrizione:**

Esempio di ordinativo: R0313-07-0001  
Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: R0313-07-0001  
Material: Bronze, Graphite

**Forma C**

**Shape C**

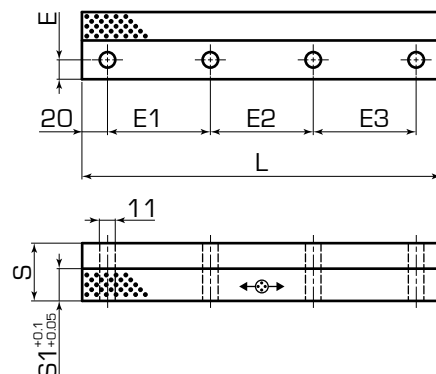
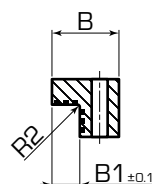
Codice Code	B	E	E1	E2	Numero fori Number of holes	L						
						100	125	150	200	250	300	350
						E3						
R0313-07	100	25	50	25	4	0025	0026	0027	0028	0029	0030	
R0313-07	125	37.5	50	25	4		0031	0032	0033	0034	0035	0036
R0313-07	150	25	100	25	4			0037	0038	0039	0040	
R0313-07	200	25	150	25	4				0041	0042	0043	



### R0314 Elemento di scorrimento angolari in bronzo/grafite - R2962.70 Angled guide gib, bronze/graphite - R2962.70



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0314-07-0001  
Materiale: Bronzo, Grafite

**Description:**

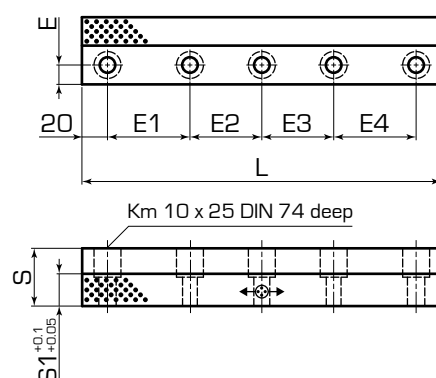
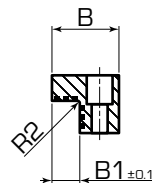
Example of purchasing order: R0314-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	E	B1	S	S1	E2	E3	Numero fori Number of holes	L							
									100	150	200	250				
R0314-07	32	11	10	30	15	-	-	2	E1							
R0314-07	32	11	10	30	15	55	-	3	60	55	55	70	0004		0005	
R0314-07	32	11	10	30	15	50	55	4					0006			
R0314-07	32	11	10	30	15	70	70	4							0007	

FORMA B  
SHAPE B



**Forma B**

**Shape B**

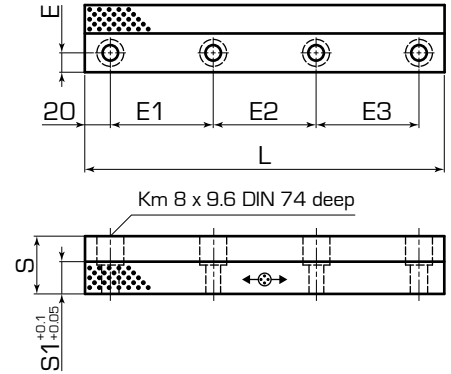
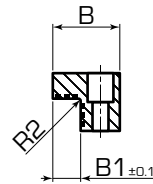
Codice Code	B	E	B1	S	S1	E2	E3	E4	Numero fori Number of holes	L							
										200	250	300	350				
R0314-07	50	14	22	45	25	50	55	-	4	E1							
R0314-07	50	14	22	45	25	70	70	-	4	55	70	65	80	0008		0009	
R0314-07	50	14	22	45	25	65	65	65	5					0010			
R0314-07	50	14	22	45	25	75	75	80	5							0011	

### R0314

Elemento di scorrimento angolari in bronzo/grafite - R2962.70  
 Angled guide gib, bronze/graphite - R2962.70



FORMA C  
SHAPE C



**Descrizione:**

Esempio di ordinativo: R0314-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: R0314-07-0001  
 Material: Bronze, Graphite

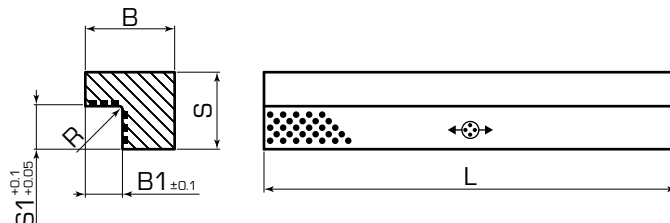
**Forma C**

**Shape C**

Codice Code	B	E	B1	S	S1	E2	E3	Numero fori Number of holes	L		
									100	150	200
R0314-07	26	9	8	20	10	-	-	2	60	55	55
R0314-07	26	9	8	20	10	55	-	3	0001	0002	
R0314-07	26	9	8	20	10	50	55	4			0003

### R0315

Elemento di scorrimento angolari in bronzo/grafite - R2962.71  
 Angled guide gib, bronze/graphite - R2962.71



**Descrizione:**

Esempio di ordinativo: R0315-07-0001  
 Materiale: Bronzo, Grafite

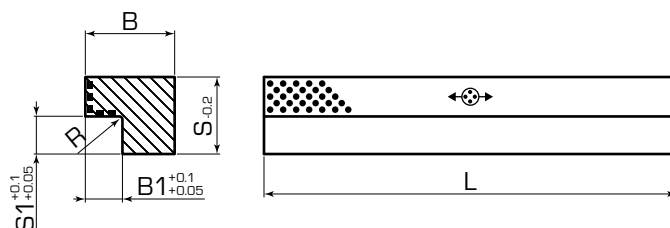
**Description:**

Example of purchasing order: R0315-07-0001  
 Material: Bronze, Graphite

Codice Code	B	B1	S	S1	L		
					305	605	1005
R0315-07	20	5	12	6	0001		
R0315-07	25	7	15	8	0002		
R0315-07	30	9	20	12	0003		
R0315-07	32	10	30	15		0004	0005
R0315-07	35	12	35	24		0006	0007
R0315-07	50	22	45	25		0008	0009
R0315-07	50	16	50	34		0010	0011

### R0316

Elemento di scorrimento angolari in bronzo/grafite - R2962.72  
 Angled guide gib, bronze/graphite - R2962.72



**Descrizione:**

Esempio di ordinativo: R0316-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: R0316-07-0001  
 Material: Bronze, Graphite

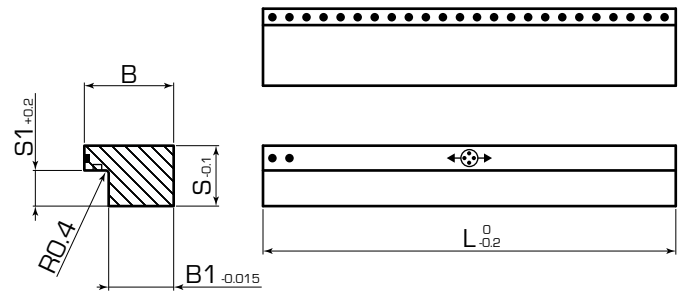
Codice Code	B	B1	S	S1	L		
					205	320	605
R0316-07	15	5	12	5	0001		
R0316-07	20	5	17	7	0002	0003	
R0316-07	20	5	22	7	0004	0005	
R0316-07	28	8	27	10	0006	0007	0008
R0316-07	28	8	36	10	0009	0010	0011
R0316-07	28	8	46	10	0012	0013	0014
R0316-07	40	12	66	22	0015	0016	0017
R0316-07	40	12	86	26	0018	0019	0020

### R0317

Elemento di scorrimento angolari in bronzo/grafite - R2962.81  
 Angled guide gib, bronze/graphite - R2962.81



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0317-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

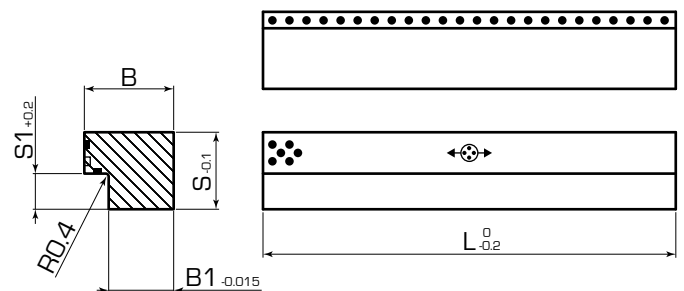
Example of purchasing order: R0317-07-0001  
 Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	S	B1	S1	L				
					40	50	63	80	100
R0317-07	16	11.5	12	6	0001	0002	0003	0004	
R0317-07	16	15.5	11	8		0005	0006	0007	0008

FORMA B  
SHAPE B



**Forma B**

**Shape B**

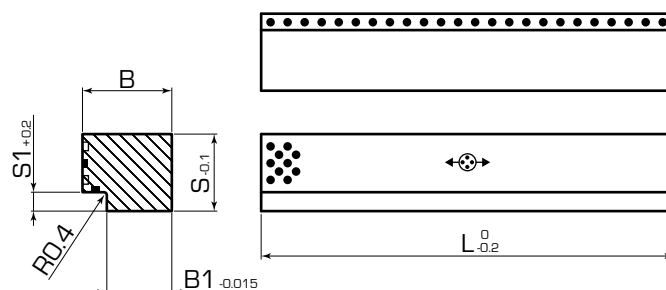
Codice Code	B	S	B1	S1	L				
					63	80	100	125	160
R0317-07	20	19.5	15	8	0009	0010	0011	0012	
R0317-07	20	24.5	15	8		0013	0014	0015	0016

### R0317

Elemento di scorrimento angolari in bronzo/grafite - R2962.81  
 Angled guide gib, bronze/graphite - R2962.81



FORMA C  
SHAPE C



**Descrizione:**

Esempio di ordinativo: R0317-07-0001  
 Materiale: Bronzo, Grafite

**Description:**

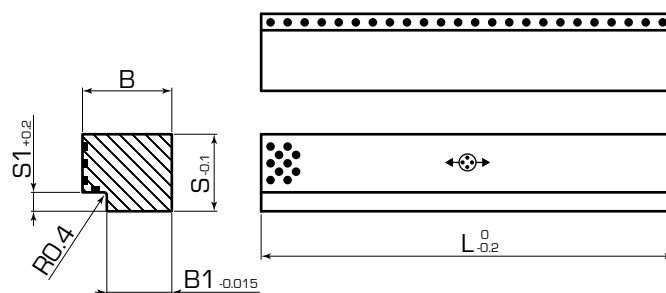
Example of purchasing order: R0317-07-0001  
 Material: Bronze, Graphite

**Forma C**

**Shape C**

Codice Code	B	S	B1	S1	L			
					100	125	160	200
R0317-07	25	31.5	19	10	0017	0018	0019	0020

FORMA D  
SHAPE D



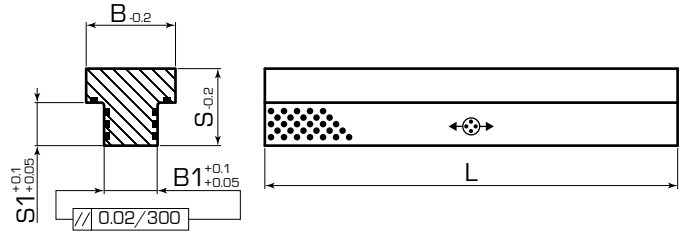
**Forma D**

**Shape D**

Codice Code	B	S	B1	S1	L				
					125	160	200	250	315
R0317-07	25	39.5	19	10	0021	0022	0023	0024	
R0317-07	32	49.5	24	12		0025	0026	0027	0028

### R0318 Listello di scorrimento a T in bronzo/grafite - R2964.77

T-Guide bar, bronze/graphite - R2964.77



**Descrizione:**

Esempio di ordinativo: **R0318-07-0001**  
 Materiale: Bronzo, Grafite

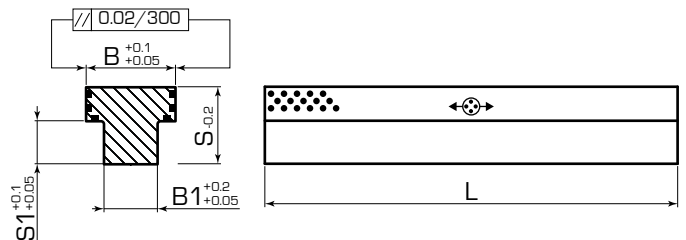
**Description:**

Example of purchasing order: **R0318-07-0001**  
 Material: Bronze, Graphite

Codice Code	B	S	B1	S1	L	
						350
R0318-07	18	12	8	5		0001
R0318-07	22	25	12	15		0002
R0318-07	28	35	18	20		0003

### R0319 Listello di scorrimento a T in bronzo/grafite - R2964.78

T-Guide bar, bronze/graphite - R2964.78



**Descrizione:**

Esempio di ordinativo: **R0319-07-0001**  
 Materiale: Bronzo, Grafite

**Description:**

Example of purchasing order: **R0319-07-0001**  
 Material: Bronze, Graphite

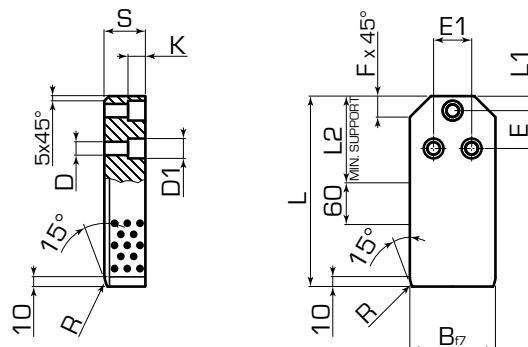
Codice Code	B	S	B1	S1	L	
						350
R0319-07	18	12	8	5		0001
R0319-07	22	25	12	15		0002
R0319-07	28	35	18	20		0003

### R0320

Piastra di scorrimento VDI 3387 in bronzo/grafite - R2960.73  
Sliding pad VDI 3387, bronze/graphite - R2960.73



FORMA A  
SHAPE A



**Descrizione:**

Esempio di ordinativo: R0320-07-0001  
Materiale: Bronzo, Grafite

**Description:**

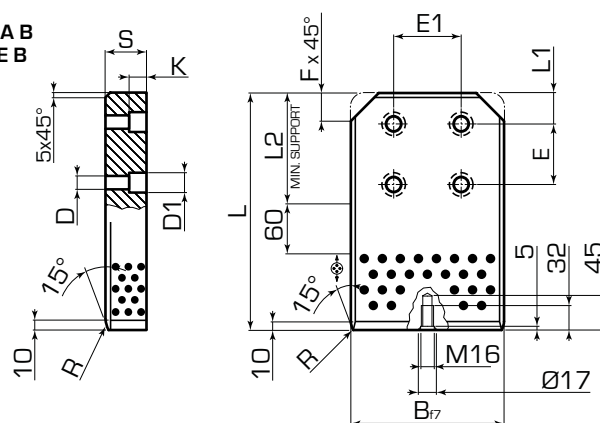
Example of purchasing order: R0320-07-0001  
Material: Bronze, Graphite

**Forma A**

**Shape A**

Codice Code	B	L1	L2	E	E1	D	D1	F	S	K	R	Numero fori Numbers of holes	L			
													180	200	224	250
R0320-07	63	20	90	50	36	14	20	18	36	16	16	3	0001	0002	0003	
R0320-07	71	20	90	50	36	14	20	18	36	16	16	3	0004	0005	0006	
R0320-07	90	20	100	50	50	18	26	28	45	21	25	3		0007	0008	0009
R0320-07	112	20	100	50	50	18	26	28	45	21	25	3		0010	0011	0012

FORMA B  
SHAPE B



**Forma B**

**Shape B**

Codice Code	B	L1	L2	E	E1	D	D1	F	S	K	R	Numero fori Numbers of holes	L			
													315	400	500	630
R0320-07	140	40	150	80	90	22	33	36	45	25.5	31.5	4	0013			
R0320-07	190	40	150	80	90	22	33	36	56	25.5	31.5	4		0014		
R0320-07	240	40	250	160	160	26	40	36	56	30.5	31.5	4			0015	0016

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock


























**COMPONENTI INGEGNERIZZATI**  
**ENGINEERED ITEMS FOR INJECTION MOULDS**


























**Ranco**


























# INDICE INDEX

SCORRIMENTI, TAVOLINI SLIDING PLATES, EJECTION PLATES			
R0337		Carrello cilindrico - CC Cylindrical slide unit - CC	7
R0754		Carrello per movimenti annegati nello stampo Slide unit for inner undercuts	8
R0334		Bussola inclinata - BI Angled guide bush - BI	9
R0335		Colonna - CI Pillar - CI	10
R0757		Carrello compatto Compact slide unit	11
R0755		Gruppo carrello Slide construction kit	12
R0770		Sistema di trascinamento carrelli a guance contrapposte, interno Drag system for sliding cores with opposite side plates, inside type	13
R0771		Sistema di trascinamento carrelli a guance contrapposte, esterno Drag system for sliding cores with opposite side plates, outside type	15
R0774		Dispositivo pistone automatico per trascinamento carrelli Automatic piston device for slide units pulling	17
R0355		Cuneo di contrasto - CX Contrast wedge - CX	18
R0620		Cuneo di contrasto - CZ Contrast wedge - CZ	19
R0356		Guida a "L" - GLX "L" Guide - GLX	20
R0621		Guida a "L" - GLZ "L" Guide - GLZ	21
R0357		Guida a "T" - GTX "T" Guide - GTX	22
R0622		Guida a "T" - GTZ "T" Guide - GTZ	23
R0358		Piano per guide - PGX Flat guides - PGX	24
R0623		Piano per guide - PGZ Flat guides - PGZ	25
SISTEMI DI RITENZIONE CARRELLO SLIDE RETAINING SYSTEMS			
R0166		Grani a sfera - GRSF Ball spring plungers - GRSF	26
R0167		Grani a sfera con esagono incassato - GRSF ES Hex-socket ball spring plungers - GRSF ES	26
R0360		Dispositivo arresto carrello cilindrico - R5130 Cylindrical slide holding device - R5130	27
R0361		Dispositivo arresto carrello - R5140 Slide holding device - R5140	28
R0359		Pinza di ritegno - RPSM Slide retainer - RPSM	29
SOTTOSQUADRI, ESPULSIONE UNDERCUTS DEMOULDING			
R0336		Camma di espulsione - CAM Ejection cam - CAM	30





# INDICE INDEX

R0756		Prolunga per camme di espulsione Extension pin for ejection cams	31
R0686		Camma di espulsione speciale Custom ejection cam	32
R0338		Pattino interno - PI Internal slide - PI	33
R0775		Pattino doppio Double slide	34
R0340		Scorrimento angolare - SA Angled slide unit - SA	35
R0343		Carrello per espulsione sottosquadri, versione "S" - SAS Slide unit for loose core, "S" version - SAS	36
R0341		Carrello per espulsione sottosquadri, versione "F" - SAF Slide unit for loose core, "F" version - SAF	37
R0342		Carrello per espulsione sottosquadri con registrazione asta, versione "M" - SAM Slide unit for loose core, adjusting type, "M" version - SAM	38
R0578		Carrello per espulsione sottosquadri con distributore, versione "MCD" Slide unit with cooling system option, "MCD" version	39
R0626		Carrello per espulsione sottosquadri senza distributore, versione "MC" Slide unit without cooling system option, "MC" version	40
R0776		Carrello per espulsione sottosquadri con doppia colonna e distributore, versione "M2CD" Slide unit with double pillar and cooling system option, "M2CD" version	41
R0777		Carrello per espulsione sottosquadri con doppia colonna e senza distributore, versione "M2C" Slide unit with double pillar without cooling system option, "M2C" version	42
R0579		Colonna per carrello espulsione sottosquadri Pillar for slide unit	44
<b>FILETTI - MASCHI COLLASSABILI THREADS - COLLAPSIBLE CORES</b>			
R0339		Maschio collassabile - MCS Collapsible core - MCS	45
<b>ACCELERATORI DI ESTRAZIONE EXTRACTION ACCELERATORS</b>			
R0346		Acceleratore di espulsione - AE Acceleration rocker - AE	47
R0758		Acceleratore di espulsione a ghiera Ejection accelerator with ferrule	48
R0753		Acceleratore piastra d'espulsione Ejection plate accelerator	50
<b>SISTEMI DI MOVIMENTAZIONE, PIASTRE STAMPANTI HANDLING SYSTEMS, CAVITY PLATES</b>			
R0779		Aggancia sgancia a due fasi Two-phase latch lock	51
R0760		Aggancia sgancia a due fasi Two-phase latch lock	54
R0772		Sistema di sicurezza chiusura stampo Safety device for mould closing	57
R0761		Aggancia sgancia, destro e sinistro Latch lock, right and left version	59
R0762		Aggancia sgancia Latch lock	61
R0763		Aggancia sgancia interno, completo di asta Internal latch lock with pin	63

# INDICE INDEX

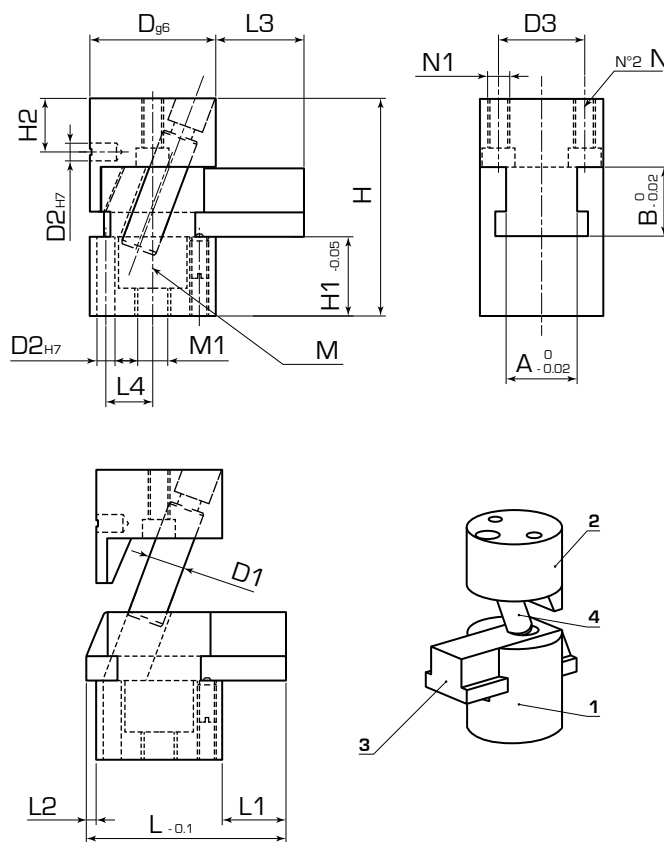
R0773		Asta per aggancia sgancia interno R0763 Pin for internal latch lock R0763	68
R0780		Rondella spaziatrice per aggancia sgancia interno R0763 Distance washer for internal latch lock R0763	68
R0764		Unità movimentazione per stampi "sandwich" Handling unit for "sandwich" moulds	69
<b>SISTEMI DI MOVIMENTAZIONE, TAVOLINI DI ESTRAZIONE EJECTION PLATES MOVEMENT</b>			
R0765		Movimentazione doppia estrazione interna al tavolino Two stage ejector, extended front movement	70
R0345		Trascinatore - PL Parting lock - PL	71
<b>CENTRAGGI CENTERING UNITS</b>			
R0321		Centraggio quadro - R08 Square centering unit - R08	72
R0330		Centraggio dritto - RFW45 Straight centering unit - RFW45	73
R0322		Centraggio parallelo - CNT Parallel centering unit - CNT	74
R0328		Centraggio parallelo - CNT018/CNT038 Parallel centering unit - CNT018/CNT038	75
R0323		Centraggio laterale - R07 Side centering unit - R07	76
R0324		Centraggio conico - CON Conical centering unit - CON	77
R0550		Centraggio conico Conical centering unit	78
R0325		Centraggio parallelo - LAT1 Parallel centering unit - LAT1	79
R0326		Centraggio frontale - LAT2 Frontal centering unit - LAT2	80
R0331		Centraggio laterale - R46/R48 Side centering unit - R46/R48	81
R0327		Centraggio parallelo - R18 Parallel centering unit - R18	82
R0778		Centraggio parallelo, con rivestimento DLC Parallel centering unit, with DLC coating	83
R0687		Centraggio rettangolare Square centering unit	84
<b>ACCESSORI OTHER PRE-ENGINEERED SOLUTIONS</b>			
R0781		Dispositivo automatico taglia materozza Automatic sprue cutting device	85
R0353		Dispositivo automatico di estrazione - AGS Quick knockout coupler - AGS	87
R0354		Dispositivo automatico di estrazione - AG/S001 MAGNUM Quick knockout coupler - AG/S001 MAGNUM	88
R0363		Conta colpi meccanico per lato mobile e fisso Mechanical cycle counter for movable and stationary half	89
R0362		Conta colpi meccanico con scocca cilindrica per lato mobile e fisso Mechanical cycle counter with cylindrical body for movable and stationary half	90

# INDICE INDEX

<b>R0364</b>		<b>Piastra isolante 200 °C</b> Thermal insulating plate 200 °C	<b>91</b>
<b>R0540</b>		<b>Piastra isolante 250 °C</b> Thermal insulating plate 250 °C	<b>92</b>
<b>R0344</b>		<b>Ugello gas - UGN</b> Gas nozzle - UGN	<b>93</b>
<b>R0627</b>		<b>Chiave per ugello gas</b> Key for gas nozzle	<b>93</b>

## R0337

Carrello cilindrico - CC  
Cylindrical slide unit - CC



### Descrizione:

#### Materiali:

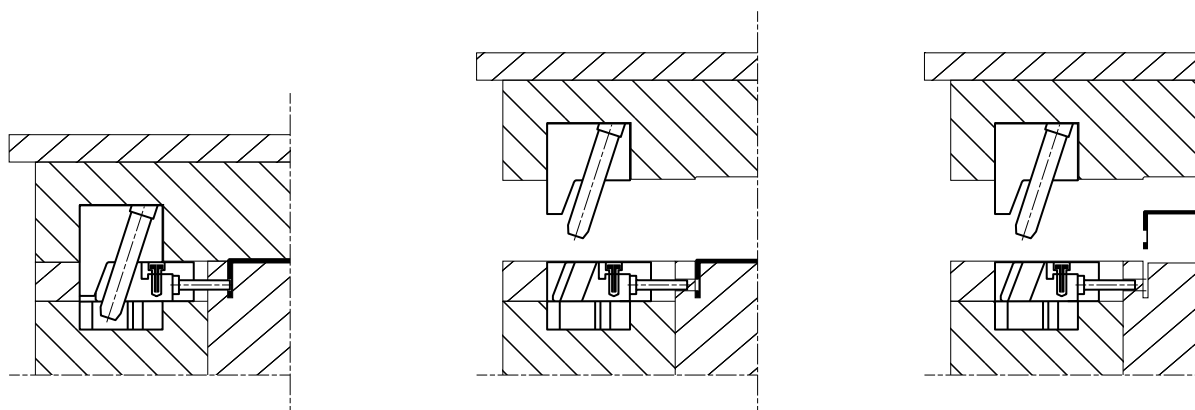
- 1: 1.2312, Nitrurato
- 2: 1.2312, Nitrurato
- 3: 1.2343, Temprato, 52-54 HRC
- 4: C53, Temprato, 61-64 HRC

### Description:

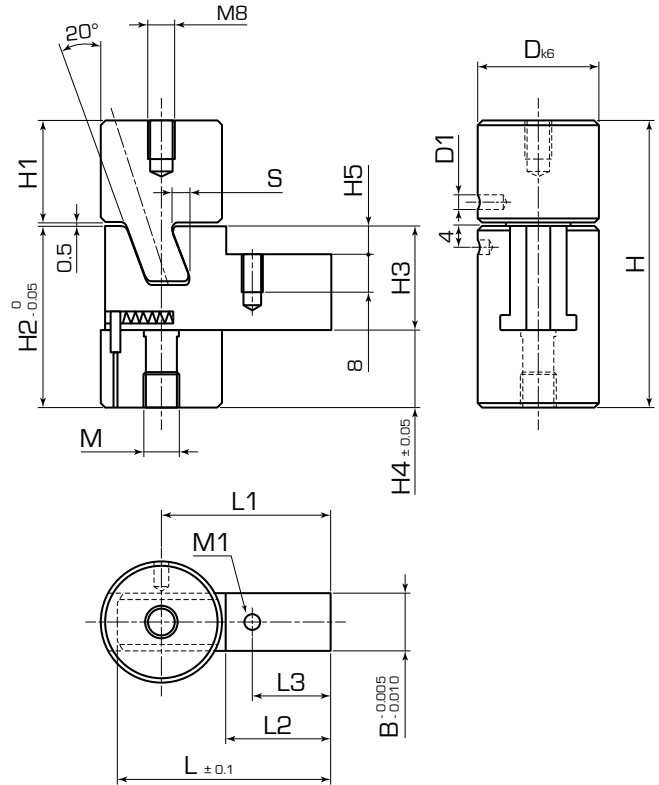
#### Materials:

- 1: 1.2312, Nitrided
- 2: 1.2312, Nitrided
- 3: 1.2343, Hardened, 52-54 HRC
- 4: C53, Hardened, 61-64 HRC

Codice Code	A	B	D1	D	L4	H2	D2	D3	H	H1	L	L1	L2	L3	M	M1	N	N1	Corsa Stroke
R0337-08-0001	10	10	6	22	7.5	11.5	4	14	35.5	10	25	12.5	1.8	15	M5	M6	M3	M4	2.5
R0337-08-0002	15	15	8	30	10.5	15.5	5	19	51	16	45	15.4	1.2	20	M6	M8	M4	M5	4.6
R0337-08-0003	20	20	10	35	13	15.5	5	24	63	23	55.5	17.9	2.6	25	M8	M10	M5	M6	7.1



## R0754 Carrello per movimenti annegati nello stampo Slide unit for inner undercuts



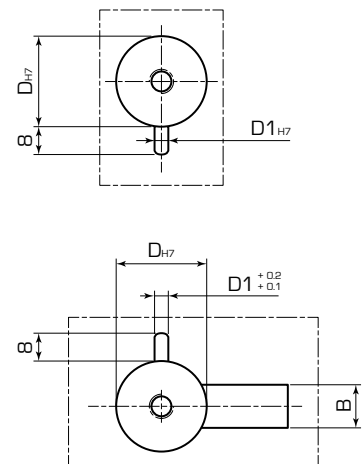
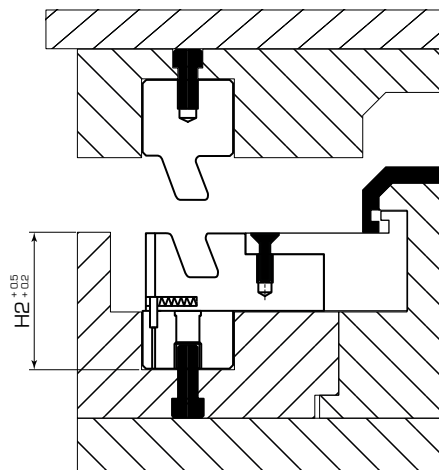
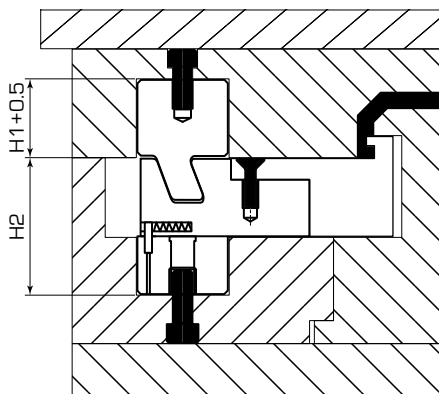
**Descrizione:**

Materiale: 1.2343, 52 HRC

**Description:**

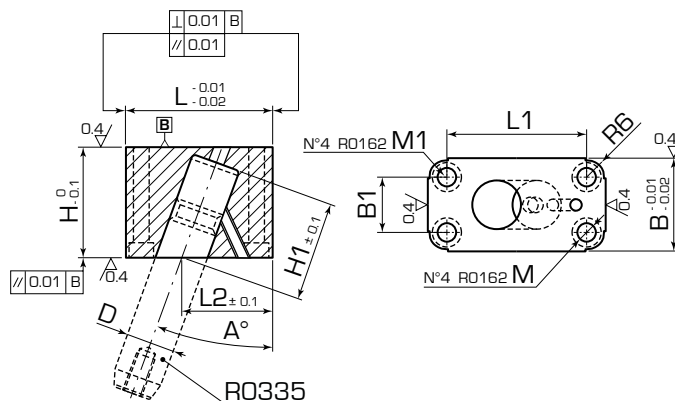
Material: 1.2343, 52 HRC

Codice Code	D	H	L	B	H1	H2	H3	H4	H5	L1	L2	L3	S	M	M1	D1
R0754-08-0001	25	61.5	36	11	26.5	34.5	18	16.5	2.5	24.2	13.9	10.8	3.4	M6	M3	3
R0754-08-0002	40	60.5	56.5	22	20	40	28	12	8	37	20	8	6.4	M8	M5	4





## R0334 Bussola inclinata - BI Angled guide bush - BI



### Descrizione:

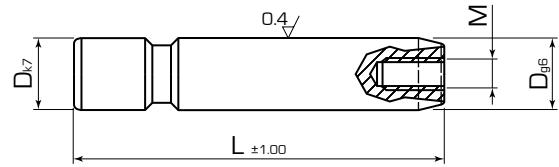
Esempio di ordinativo: R0334-08-0001  
Materiale: 1.2312, Brunito

### Description:

Example of purchasing order: R0334-08-0001  
Material: 1.2312, Burnished

Codice Code	D	B	L	H	B1	L1	L2	H1	M	M1	A°			
											5°	10°	15°	20°
R0334-08	10	24	38	24	13	27	22	22	M4	M5	0001	0002	0003	0004
R0334-08	12	24	38	24	13	27	22	22	M4	M5	0005	0006	0007	0008
R0334-08	16	35	60	45	22	47	37	41	M6	M8	0009	0010	0011	0012
R0334-08	20	35	60	45	22	47	37	41	M6	M8	0013	0014	0015	0016
R0334-08	24	35	60	45	22	47	37	41	M6	M8	0017	0018	0019	0020
R0334-08	28	45	75	55	31	61	48	50	M6	M8	0021	0022	0023	0024
R0334-08	30	45	75	55	31	61	48	50	M6	M8	0025	0026	0027	0028
R0334-08	32	45	75	55	31	61	48	50	M6	M8	0029	0030	0031	0032

## R0335 Colonna - CI Pillar - CI



### Descrizione:

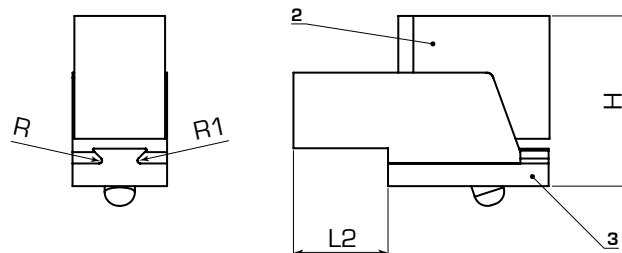
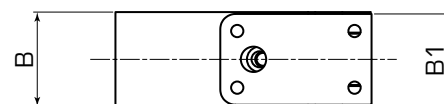
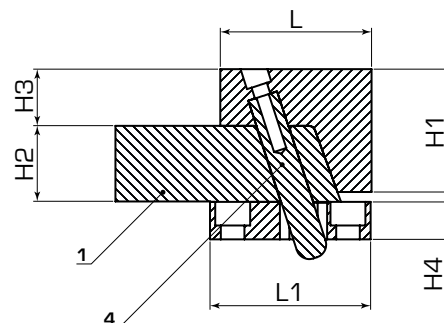
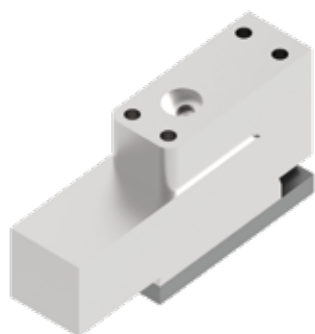
Esempio di ordinativo: R0335-08-0001  
Materiale: 16 Cr Ni 4, 62-64 HRC

### Description:

Example of purchasing order: R0335-08-0001  
Material: 16 Cr Ni 4, 62-64 HRC

Codice Code	D	M	L																		
			75	90	95	105	110	115	130	135	140	160	165	170	190	195	200	220	225	250	270
R0335-08	10	M5	0001	0002		0003															
R0335-08	12	M5			0004		0005		0006												
R0335-08	16	M8						0007		0008		0009									
R0335-08	20	M8								0010		0011		0012						0013	
R0335-08	24	M8											0014		0015		0016				
R0335-08	28	M12														0017		0018	0019		
R0335-08	30	M12														0020		0021	0022	0023	
R0335-08	32	M12														0024		0025	0026	0027	

## R0757 Carrello compatto Compact slide unit



### Descrizione:

#### Parti e Materiali:

- 1 - Slitta: 1.2343 Temprato 46-48 HRC
  - 2 - Contrasto: 1.2311 Nitrurato
  - 3 - Base di scorrimento: 1.2343 Temprato 52-54 HRC, con rivestimento DLC
  - 4 - Spina cilindrica filettata
- Impiego: gruppo di scorrimento compatto per la realizzazione di un movimento stampante.

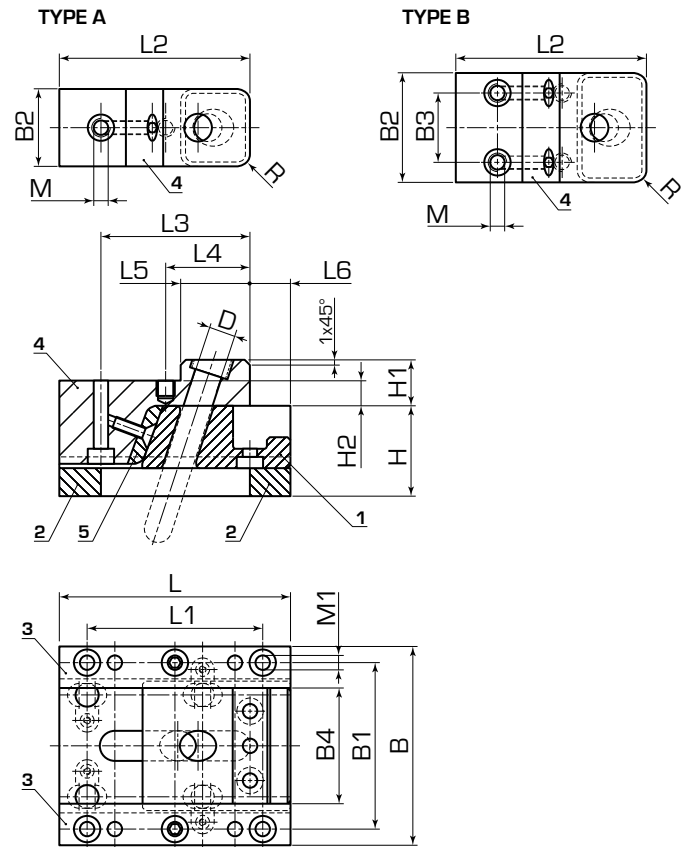
### Description:

#### Parts and Materials:

- 1 - Slide: 1.2343 Hardened 46-48 HRC
  - 2 - Contrast: 1.2311 Nitrided
  - 3 - Sliding base: 1.2343 Hardened 52-54 HRC, with DLC coating
  - 4 - Threaded dowel pin
- Application: compact sliding group for the realization of a moulding movement.

Codice Code	B	L	H	B1	L1	L2	H1	H2	H3	H4	R	R1	Corsa Stroke
R0757-08-0001	30	70	62	28	76	40	46	30	20	11.8	0.6	0.5	12.4
R0757-08-0002	50	80	90	48	85	50	65	40	30	19.8	1.5	1.6	18.9

## R0755 Gruppo carrello Slide construction kit



### Descrizione:

#### Parti e Materiali:

- 1 - Slitta: 1.2343/44 Temprato e Nitrurato 52-54 HRC
- 2 - Base carrello: 1.2379 Temprato 58-60 HRC
- 3 - Piastrine di scorrimento: 1.2379 Temprato 58-60 HRC
- 4 - Spallamento con sede colonna: 1.2738
- 5 - Piastrine di regolazione (riportata): 1.2379 Temprato 60-62 HRC

### Description:

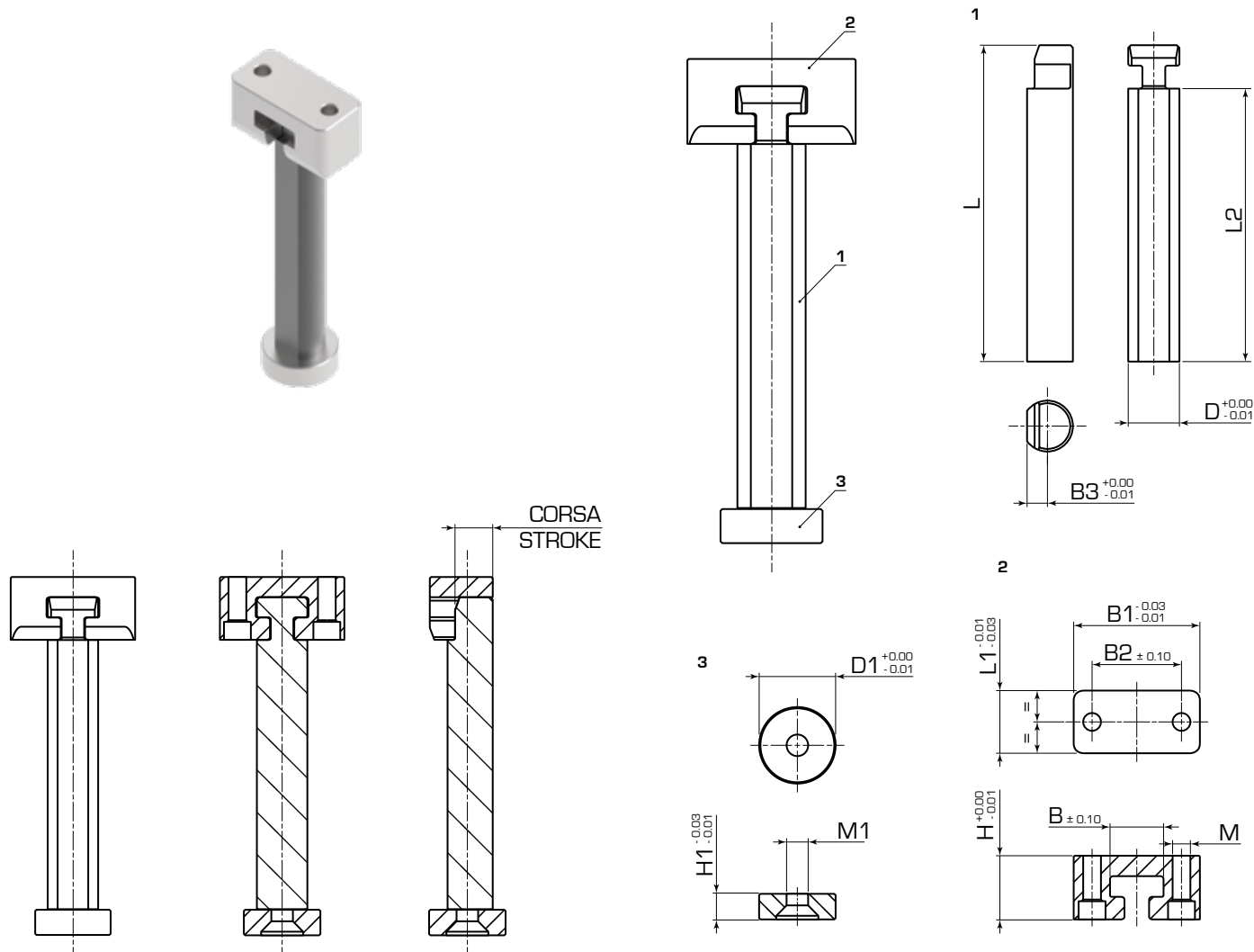
#### Parts and Materials:

- 1 - Slide: 1.2343/44 Hardened and Nitrided 52-54 HRC
- 2 - Slide casing: 1.2379 Hardened 58-60 HRC
- 3 - Guide strip: 1.2379 Hardened 58-60 HRC
- 4 - Locking heel double sided: 1.2738
- 5 - Wear plate: 1.2379 Hardened 60-62 HRC

Codice Code	Tipo Type	B	H	L	B1	B2	B3	B4	H2	H1	L1	L2	L3	L4	L5	L6	D	M	M1	R
R0755-08-0001	A	50	28	75	38	18	-	20	11	20	60	65	50	26	20	10	8	M6	M5	5
R0755-08-0002		55	28	75	43	23	-	25	11	20	60	65	50	26	20	10	10	M6	M5	5
R0755-08-0003		60	28	75	48	28	14	30	11	20	60	70	57	36	30	5	12	M6	M5	6
R0755-08-0004		70	28	75	58	38	22	40	11	20	60	70	57	36	30	5	12	M6	M5	6
R0755-08-0005		80	28	75	68	48	32	50	11	20	60	70	57	36	30	5	12	M6	M5	6
R0755-08-0006	B	90	28	75	78	58	42	60	11	20	60	70	57	36	30	5	12	M6	M5	6
R0755-08-0007		60	28	90	48	28	14	30	11	20	70	70	57	36	30	5	12	M6	M5	6
R0755-08-0008		70	28	90	58	38	22	40	11	20	70	70	57	36	30	5	12	M6	M5	6
R0755-08-0009		80	28	90	68	48	32	50	11	20	70	70	57	36	30	5	12	M6	M5	6
R0755-08-0010		76	42	100	62	38	18	40	11	20	76	82.5	65	36.5	30	17.5	12	M8	M6	6
R0755-08-0011		86	42	100	72	48	28	50	11	20	76	82.5	65	36.5	30	17.5	12	M8	M6	6
R0755-08-0012		96	42	100	82	58	38	60	11	20	76	82.5	65	36.5	30	17.5	12	M8	M6	8

## R0770

Sistema di trascinamento carrelli a guide contrapposte, interno  
Drag system for sliding cores with opposite side plates, inside type



### Descrizione:

Parti e Materiali:

1 - Perno: 1.2162 Cementazione con rivestimento DLC

2 - Guida: 1.2162 Cementazione

3 - Testa perno: 1.2085

Nota: filettare il perno dopo averlo portato a misura.

### Description:

Parts and Materials:

1 - Pin: 1.2162 Cementing with DLC coating

2 - Guide: 1.2162 Cementing

3 - Pin head: 1.2085

Note: thread the pin when the piece is completely finished.

Codice Code	B1	L1	H	D	B	B3	L	D1	H1	B2	L2	Corsa Stroke
R0770-08-0001	50	25	25	20	21	8	124	30	10	35	107	15
R0770-08-0002	65	35	37	30	31	11	182	40	13	50	157	20

### R0162 - Vite a testa cilindrica

### R0162 - Cylindrical head screw

Codice Code	M
R0770-08-0001	M6
R0770-08-0002	M8

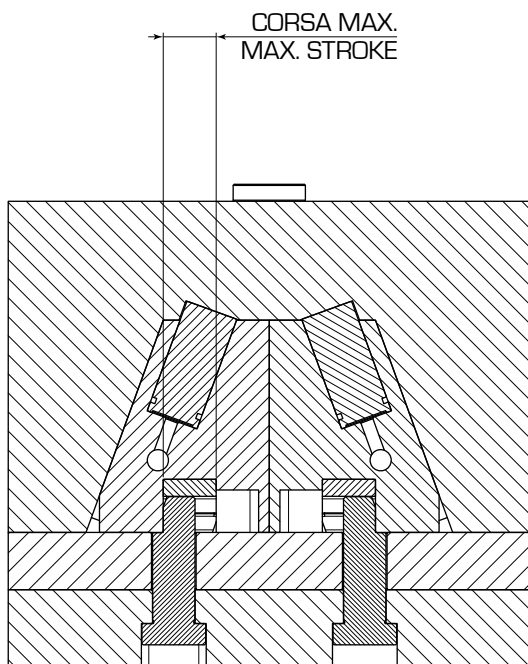
### R0164 - Vite a testa svasata

### R0164 - Countersunk head screw

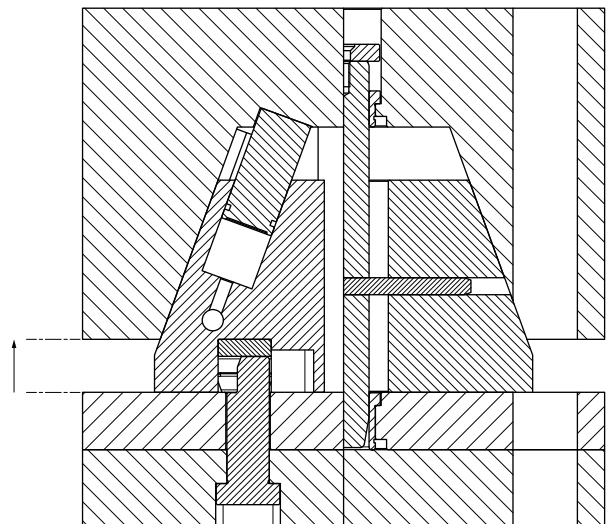
Codice Code	M1
R0770-08-0001	M8
R0770-08-0002	M10

**R0770** Sistema di trascinamento carrelli a guance contrapposte, interno  
Drag system for sliding cores with opposite side plates, inside type

**Stampo chiuso**  
Closed mould

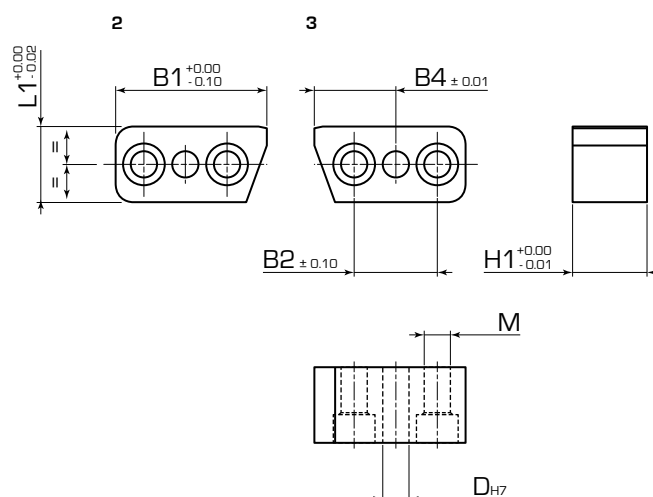
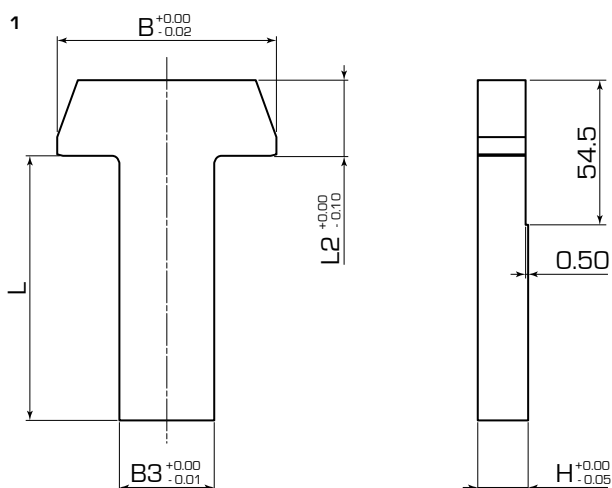
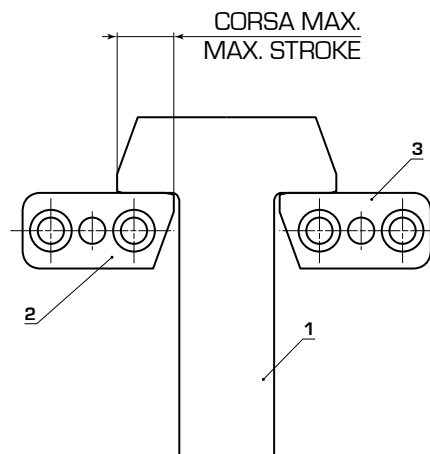


**Stampo aperto**  
Open mould



## R0771

Sistema di trascinamento carrelli a guance contrapposte, esterno  
Drag system for sliding cores with opposite side plates, outside type



### Descrizione:

Parti e Materiali:  
1 - Stelo: 1.2162 Cementazione  
2 - Guida sinistra: 1.2343, 52-54 HRC con rivestimento DLC  
3 - Guida destra: 1.2343, 52-54 HRC con rivestimento DLC

### Description:

Parts and Materials:  
1 - Stem: 1.2162 Cementing  
2 - Left guide: 1.2343, 52-54 HRC with DLC coating  
3 - Right guide: 1.2343, 52-54 HRC with DLC coating

Codice Code	B	L2	B3	L	H	B1	B4	B2	L1	H1	Corsa max. Max. stroke
R0771-08-0001	58	20	25	150	15	40	21.5	22	20	15	15
R0771-08-0002	74	25	35	200	20	40	21.5	22	25	20	18

### R0162 - Vite a testa cilindrica

### R0162 - Cylindrical head screw

Codice Code	M
R0771-08-0001	M6
R0771-08-0002	M6

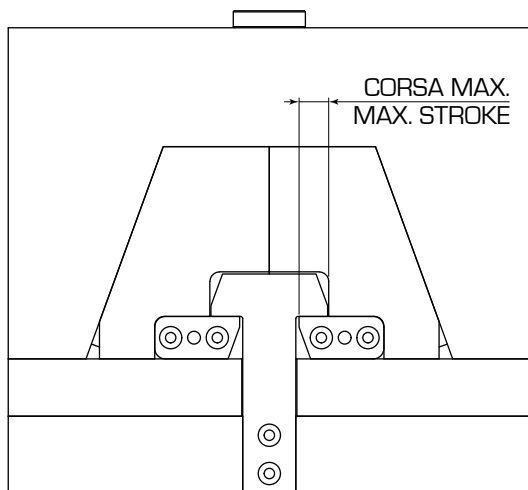
### R0157 - Spina cilindrica

### R0157 - Dowel pin

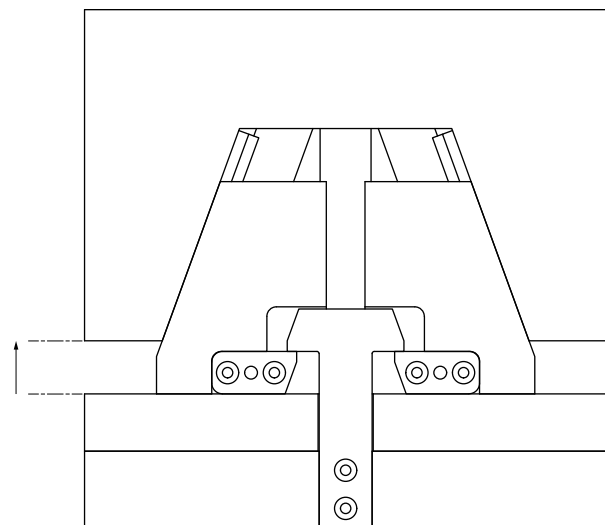
Codice Code	D
R0771-08-0001	6
R0771-08-0002	6

**R0771** Sistema di trascinamento carrelli a guance contrapposte, esterno  
Drag system for sliding cores with opposite side plates, outside type

Stampo chiuso  
Closed mould

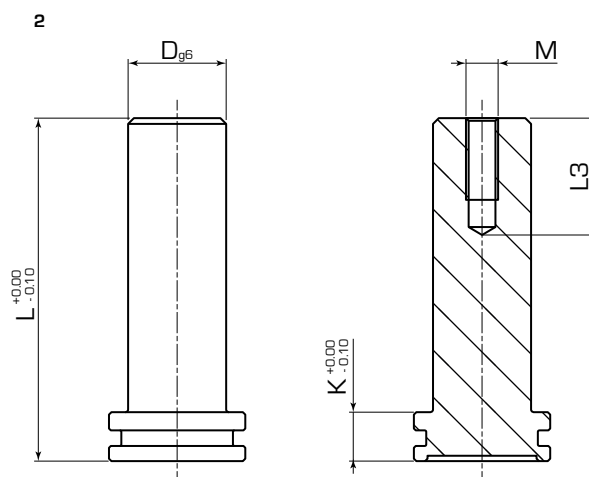
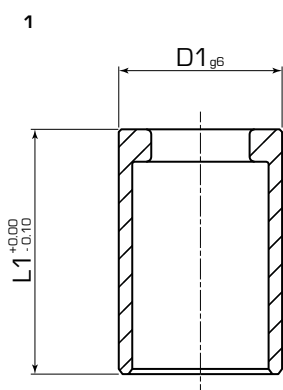
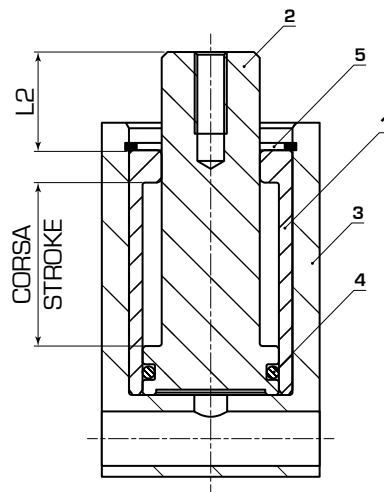


Stampo aperto  
Open mould





## R0774 Dispositivo pistone automatico per trascinamento carrelli Automatic piston device for slide units pulling



### Descrizione:

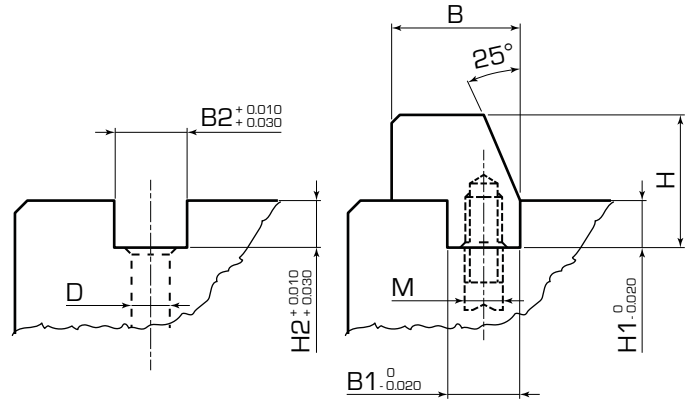
Parti e Materiali:  
 1 - Camicia pistone: 1.2085  
 2 - Pistone ad aria: POM  
 3 - Sede dispositivo  
 4 - O-Ring: 20 x 2,5  
 5 - Seeger DIN472: R0171-01-0023

### Description:

Parts and Materials:  
 1- Piston liner: 1.2085  
 2 - Air piston: POM  
 3 - Device seat  
 4 - O-Ring: 20 x 2,5  
 5 - Seeger DIN472: R0171-01-0023

Codice Code	Corsa Stroke	D	L	K	M	L3	D1	L1	L2
R0774-08-0001	20	18	53	9	M6	20	30	35	18
R0774-08-0002	30	18	63	9	M6	20	30	45	18
R0774-08-0003	40	18	73	9	M6	20	30	55	18
R0774-08-0004	50	18	83	9	M6	20	30	65	18
R0774-08-0005	60	18	93	9	M6	20	30	75	18

## R0355 Cuneo di contrasto - CX Contrast wedge - CX



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Cuneo di contrasto Contrast wedge					Sede per cuneo Seat for wedge		
			B1	H1	H	B	M	B2	H2	D
R0355-08-0001	500 ± 1	25	20	12	34	34	M10	20	12	10.5

Questa è la soluzione più economica e razionale nel caso in cui non venga richiesto di realizzare dal pieno del portastampo il cuneo di contrasto per carrelli mobili. Il cuneo di contrasto tipo CX è un listello standard della lunghezza di 500mm già preforato, temprato a cuore (55 HRC) e rettificato.

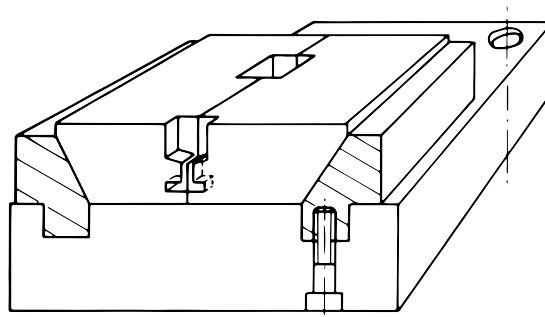
Il cuneo di contrasto può essere tagliato con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This is the most economical and rational solution if it is not required to make the contrast wedge for sliding unit from the solid part of the mould base. The contrast wedge type CX consists of a 500mm long standard listel already pre-drilled, through-hardened (55 HRC) and grinded.

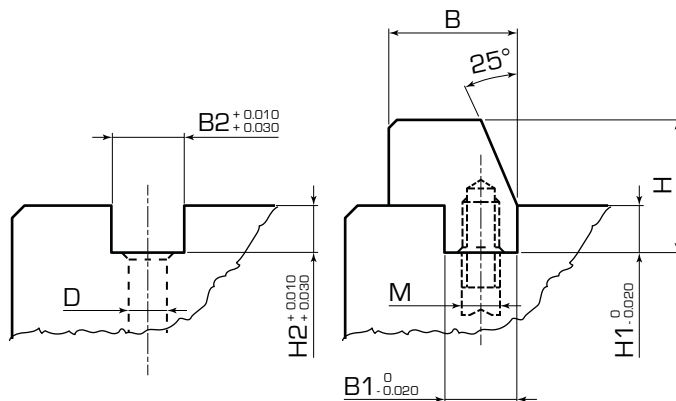
The contrast wedge can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

### Esempi d'impiego

### Application examples



## R0620 Cuneo di contrasto - CZ Contrast wedge - CZ



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Cuneo di contrasto Contrast wedge					Sede per cuneo Seat for wedge		
			B1	H1	H	B	M	B2	H2	D
R0620-08-0001	500 ± 1	25	14	10	24	24	M8	14	10	8.5

Questa è la soluzione più economica e razionale nel caso in cui non venga richiesto di realizzare dal pieno del portastampo il cuneo di contrasto per carrelli mobili. Il cuneo di contrasto tipo CZ è un listello standard della lunghezza di 500mm già preforato, temprato a cuore (55 HRC) e rettificato.

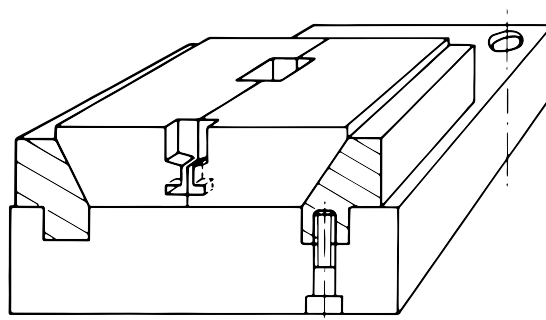
Il cuneo di contrasto può essere tagliato con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This is the most economical and rational solution if it is not required to make the contrast wedge for sliding unit from the solid part of the mould base. The contrast wedge type CZ consists of a 500mm long standard listel already pre-drilled, through-hardened (55 HRC) and grinded.

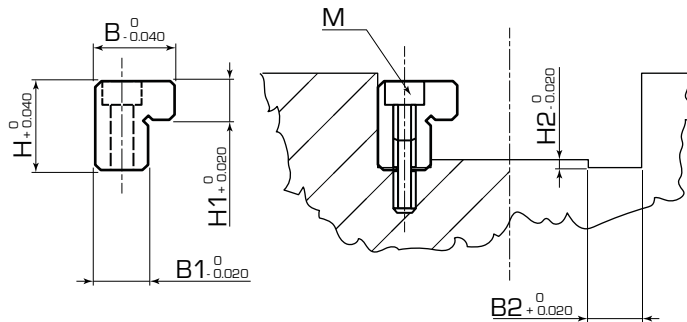
The contrast wedge can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

### Esempi d'impiego

### Application examples



## R0356 Guida a "L" - GLX "L" Guide - GLX



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Vite Screw R0162	Guida Guide				Sede per guida Seat for guide	
			M	B1	H1	H	B	B2	H2
R0356-08-0001	500 ± 1	25	M6	14	14	24	19	14	2

Questa guida a "L" tipo GLX viene utilizzata a lato dei carrelli con movimento longitudinale. Risolve contemporaneamente sia l'esigenza di ritegno del carrello mobile sullo stampo, sia il suo scorrimento in parete.

La guida a "L" tipo GLX non necessita di spinatura nella relativa sede e, inoltre, l'esecuzione precisa del profilo a "L" ne permette l'intercambiabilità nel tempo. La guida è temprata a cuore (55 HRC) e rettificata.

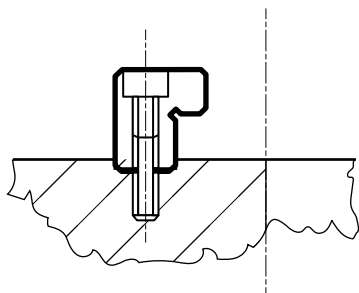
La guida a "L" tipo GLX può essere tagliata con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This GLX type "L" guide is used on the side of slide units with longitudinal movement. It simultaneously solves both the slide unit retaining need on the mould and its sliding on the wall.

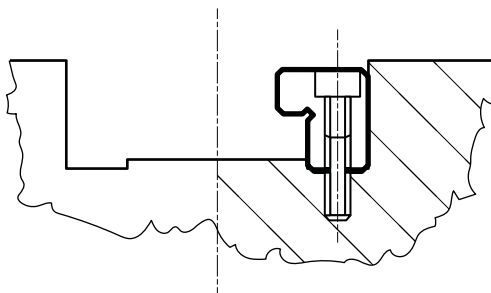
The "L" guide type GLX does not need a pins removal in its seat and, moreover, the precise execution of the "L" profile allows its interchangeability over time. The guide is through-hardened (55 HRC) and grinded.

The "L" guide type GLX can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

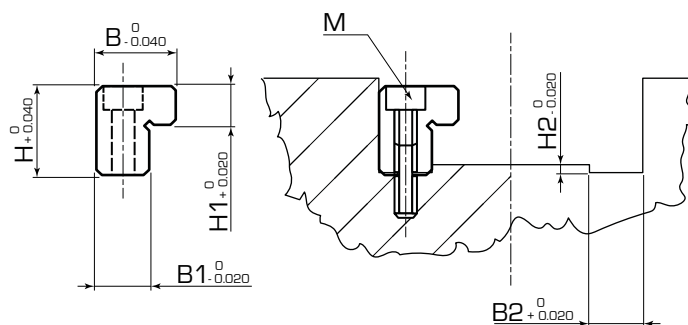
### Esempi d'impiego



### Application examples



## R0621 Guida a "L" - GLZ "L" Guide - GLZ



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Vite Screw R0162	Guida Guide				Sede per guida Seat for guide	
			M	B1	H1	H	B	B2	H2
R0621-08-0001	500 ± 1	25	M6	14	9	19	19	14	2

Questa guida a "L" tipo GLZ viene utilizzata a lato dei carrelli con movimento longitudinale. Risolve contemporaneamente sia l'esigenza di ritegno del carrello mobile sullo stampo, sia il suo scorrimento in parete.

La guida a "L" tipo GLZ non necessita di spinatura nella relativa sede e, inoltre, l'esecuzione precisa del profilo a "L" ne permette l'intercambiabilità nel tempo. La guida è temprata a cuore (55 HRC) e rettificata.

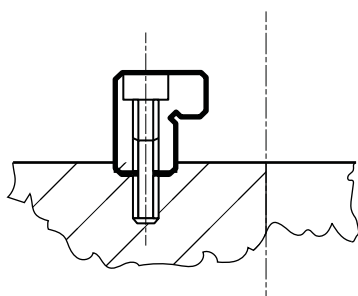
La guida a "L" tipo GLZ può essere tagliata con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This GLZ type "L" guide is used on the side of slide units with longitudinal movement. It simultaneously solves both the slide unit retaining need on the mould and its sliding on the wall.

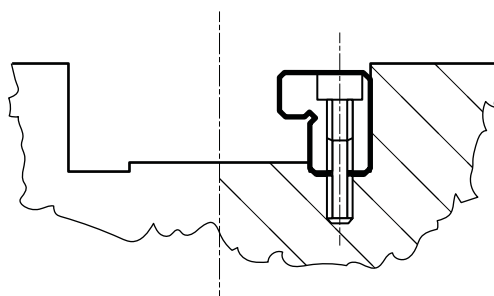
The "L" guide type GLZ does not need a pins removal in its seat and, moreover, the precise execution of the "L" profile allows its interchangeability over time. The guide is through-hardened (55 HRC) and grinded.

The "L" guide type GLZ can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

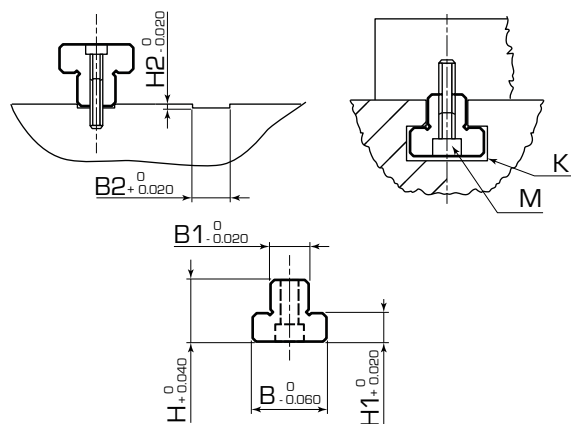
### Esempi d'impiego



### Application examples



## R0357 Guida a "T" - GTX "T" Guide - GTX



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

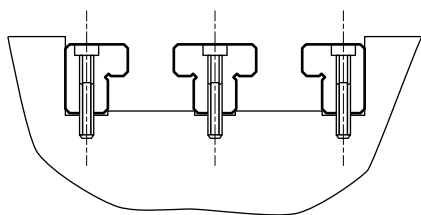
Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Vite Screw R0162	Fresa per cava Slot cutter TCEI UNI 7339 A	Guida Guide				Sede per guida Seat for guide	
			M	K	B1	H1	H	B	B2	H2
R0357-08-0001	500 ± 1	25	M6	28 x 12	14	10	24	24	14	2
R0357-08-0002	500 ± 1	25	M6	28 x 12	14	14	24	24	14	2

Questa guida a "T" tipo GTX viene utilizzata nella costruzione di carrelli mobili quando la sporgenza dal piano stampo (caratteristico nelle guide a "L") può ostacolare la caduta dei pezzi stampati.

E' previsto anche il montaggio in accoppiata con il piano per guida PGX e PGZ. Le nuove misure (non intercambiabili con il vecchio modello), permettono l'accoppiamento anche con le guide GLX e GLZ. La guida è temprata a cuore (55 HRC) e rettificata.

La guida a "T" tipo GTX può essere tagliata con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

### Esempi d'impiego

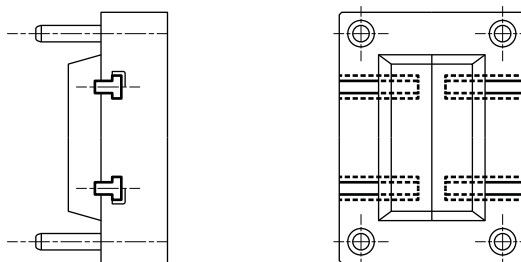


This GTX type "T" guide is used in mobile slide units construction, when the protrusion of the mould's flat surface (characteristic of "L" guides) can prevent the fall of the moulded parts.

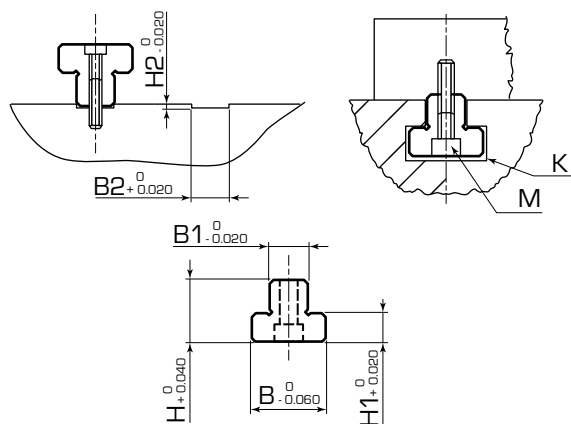
Assembly in conjunction with the PGX and PGZ guide plane is also provided. The new sizes (not interchangeable with the old model), also allow coupling with the GLX and GLZ guides. The guide is through-hardened (55 HRC) and grinded.

The GTX type "T" guide can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

### Application examples



## R0622 Guida a "T" - GTZ "T" Guide - GTZ



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

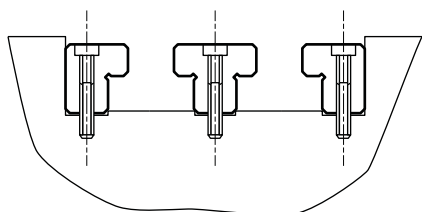
Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Vite Screw R0162	Fresa per cava Slot cutter TCEI UNI 7339 A	Guida Guide				Sede per guida Seat for guide	
			M	K	B1	H1	H	B	B2	H2
R0622-08-0001	500 ± 1	25	M6	19 x 9	14	9	19	24	14	2

Questa guida a "T" tipo GTZ viene utilizzata nella costruzione di carrelli mobili quando la sporgenza dal piano stampo (caratteristico nelle guide a "L") può ostacolare la caduta dei pezzi stampati.

E' previsto anche il montaggio in accoppiata con il piano per guida PGX e PGZ. Le nuove misure (non intercambiabili con il vecchio modello), permettono l'accoppiamento anche con le guide GLX e GLZ. La guida è temprata a cuore (55 HRC) e rettificata.

La guida a "T" tipo GTZ può essere tagliata con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

### Esempi d'impiego

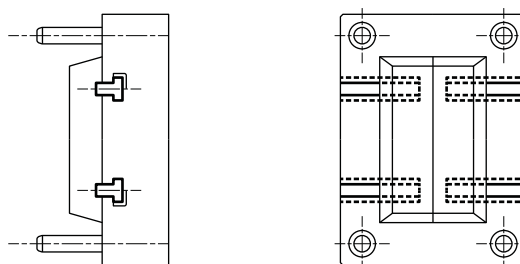


This GTZ type "T" guide is used in mobile slide units construction, when the protrusion of the mould's flat surface (characteristic of "L" guides) can prevent the fall of the moulded parts.

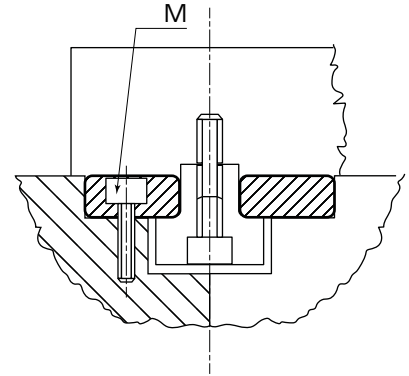
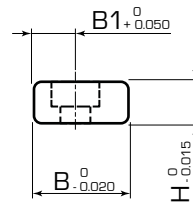
Assembly in conjunction with the PGX and PGZ guide plane is also provided. The new sizes (not interchangeable with the old model), also allow coupling with the GLX and GLZ guides. The guide is through-hardened (55 HRC) and grinded.

The GTZ type "T" guide can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

### Application examples



## R0358 Piano per guide - PGX Flat guides - PGX



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Tipo di vite testa ribassata VTCEI DIN 7984 Type of screw lowered head VTCEI DIN 7984	Piano Plane		
			M	B	H	B1
R0358-08-0001	500 ± 1	25	M6 x 16 - R0163-01-0043	22	9	10

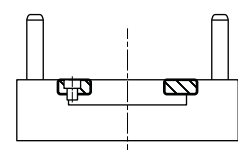
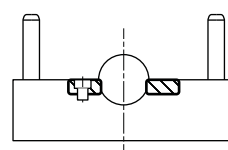
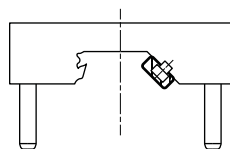
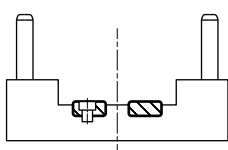
Questo piano per guida tipo PGX viene utilizzato nelle più svariate soluzioni tecniche di scorrimento e con le guide a "T" tipo GTX o GTZ qualora si voglia evitare lo scorrimento diretto sullo stampo. Piano temprato a cuore (55 HRC) e rettificato.

Il piano per guida tipo PGX può essere tagliato con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This PGX type plane guide is used in the most varied technical sliding solutions, as well as with the "T" guides type GTX or GTZ if you want to avoid direct sliding on the mould. The plane is through-hardened (55 HRC) and grinded.

The PGX type plane guide can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

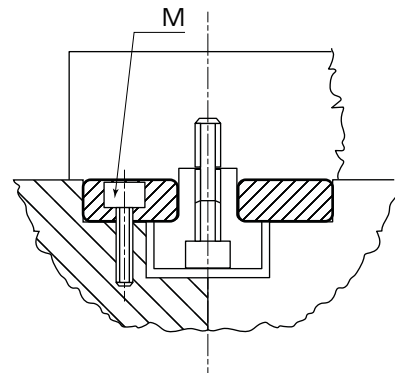
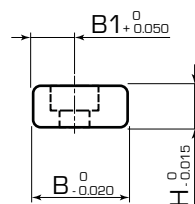
### Esempi d'impiego



### Application examples



## R0623 Piano per guide - PGZ Flat guides - PGZ



### Descrizione:

Materiale: Acciaio temprato, ≈55 HRC

### Description:

Material: Hardened steel, ≈55 HRC

Codice Code	Lungh. tot. Total length	Passo fori Holes pitch	Tipo di vite testa ribassata VTCEI DIN 7984 Type of screw lowered head VTCEI DIN 7984	Piano Plane		
			M	B	H	B1
R0623-08-0001	500 ± 1	25	M5 x 12 - R0163-01-0028	17	6	7.5

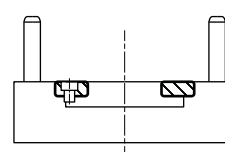
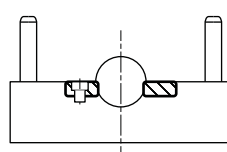
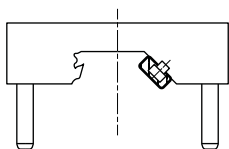
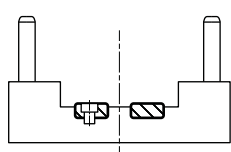
Questo piano per guida tipo PGZ viene utilizzato nelle più svariate soluzioni tecniche di scorrimento e con le guide a "T" tipo GTX o GTZ qualora si voglia evitare lo scorrimento diretto sullo stampo. Piano temprato a cuore (55 HRC) e rettificato.

Il piano per guida tipo PGZ può essere tagliato con una normale troncatrice per espulsori e, grazie alla foratura a passo, è possibile utilizzarne anche la più piccola parte.

This PGZ type plane guide is used in the most varied technical sliding solutions, as well as with the "T" guides type GTX or GTZ if you want to avoid direct sliding on the mould. The plane is through-hardened (55 HRC) and grinded.

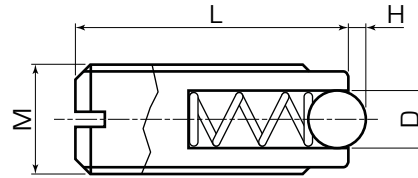
The PGZ type plane guide can be cut with a standard ejector pins cutting machine and thanks to the step drilling it is possible to use even the smallest part of it.

### Esempi d'impiego



### Application examples

### R0166 Grani a sfera - GRSF Ball spring plungers - GRSF



#### Descrizione:

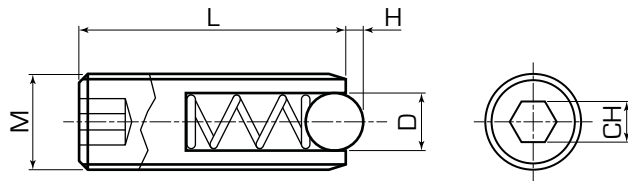
Material: Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

#### Description:

Material: Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force
R0166-01-0001	M3	7	0.5	1.5	1.5	3
R0166-01-0002	M4	9	0.8	2.5	6	12
R0166-01-0003	M5	12	0.9	3	7	13
R0166-01-0004	M6	14	1	3.5	9	15
R0166-01-0005	M8	16	1.5	5	20	35
R0166-01-0006	M10	19	2	6	25	45
R0166-01-0007	M12	22	2.5	8	35	60
R0166-01-0008	M16	24	3.5	10	65	110
R0166-01-0009	M20	30	4.5	12	80	160

### R0167 Grani a sfera con esagono incassato - GRSF ES Hex-socket ball spring plungers - GRSF ES



#### Descrizione:

Material: Vite: Qualità 5.8 Brunito  
Sfera: Acciaio INOX

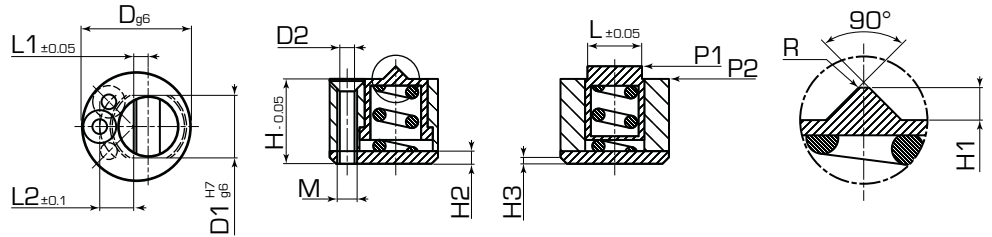
#### Description:

Material: Screw: Quality 5.8 Burnished  
Ball: Stainless steel

Codice Code	M	L	H	D	N1 Forza iniziale Initial force	N2 Forza finale Final force	CH
R0167-01-0001	M6	15	1	3.5	9	13	3
R0167-01-0002	M8	18	1.5	4.5	15	30	4
R0167-01-0003	M10	23	2	6	20	35	5
R0167-01-0004	M12	26	2.5	8	30	55	6
R0167-01-0005	M16	33	3.5	10	65	125	8
R0167-01-0006	M20	43	4.5	12	80	160	10
R0167-01-0007	M24	48	5.5	15	90	180	12

### R0360 Dispositivo arresto carrello cilindrico - R5130

### Cylindrical slide holding device - R5130



#### Descrizione:

Materiale: 1.2842 ≈58 HRC

#### Description:

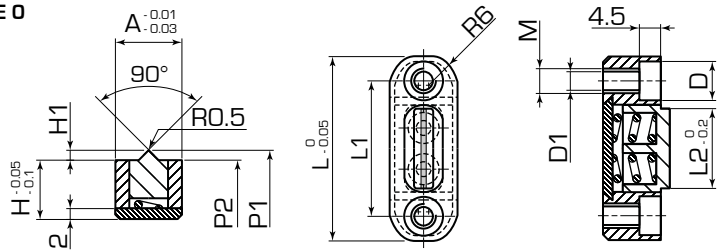
Material: 1.2842 ≈58 HRC

Codice Code	D	D1	D2	M	L	L1	L2	H	H1	H2	H3	R	P1 (N)	P2 (N)
R0360-08-0001	13	7	2.2	M3	6.6	1.4	4.3	10	1	1.6	0.35	0.35	28	34
R0360-08-0002	18	10	3.2	M4	9.6	2	6	14	1.8	2	0.5	0.5	38	42
R0360-08-0003	27	15	4.3	M5	4.4	3	9	21	2.8	3	0.5	0.75	38	92

## R0361 Dispositivo arresto carrello - R5140 Slide holding device - R5140



TIPO 0  
TYPE 0



**Descrizione:**

Materiale: 1.2343, 54-52 HRC

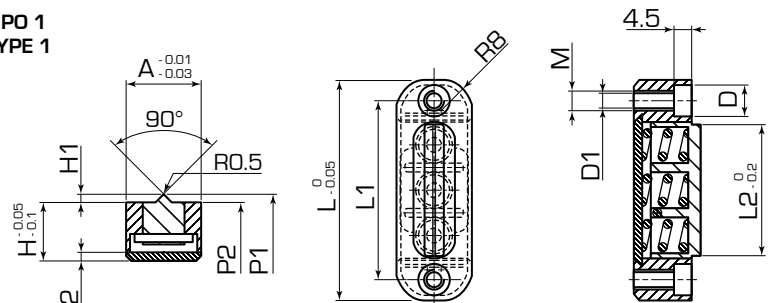
**Description:**

Material: 1.2343, 54-52 HRC

Tipo 0		Type 0									
Codice Code	A	L	H	L1	L2	D	D1	M	H1	P1 (N)	P2 (N)
R0361-08-0001	14	38	12	28	16	8	4.2	M5	1.8	62	70



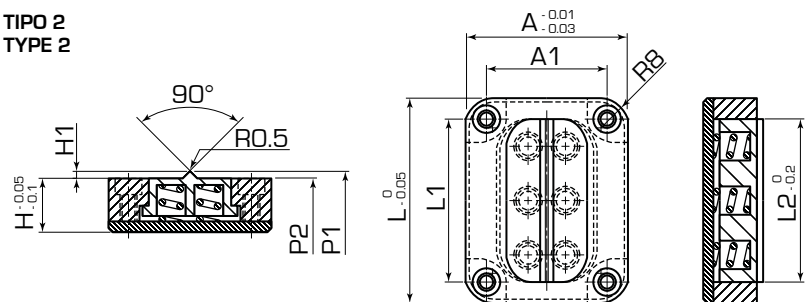
TIPO 1  
TYPE 1



Tipo 1		Type 1									
Codice Code	A	L	H	L1	L2	D	D1	M	H1	P1 (N)	P2 (N)
R0361-08-0002	18	53	14	43	32	8	4.2	M5	1.8	114	126



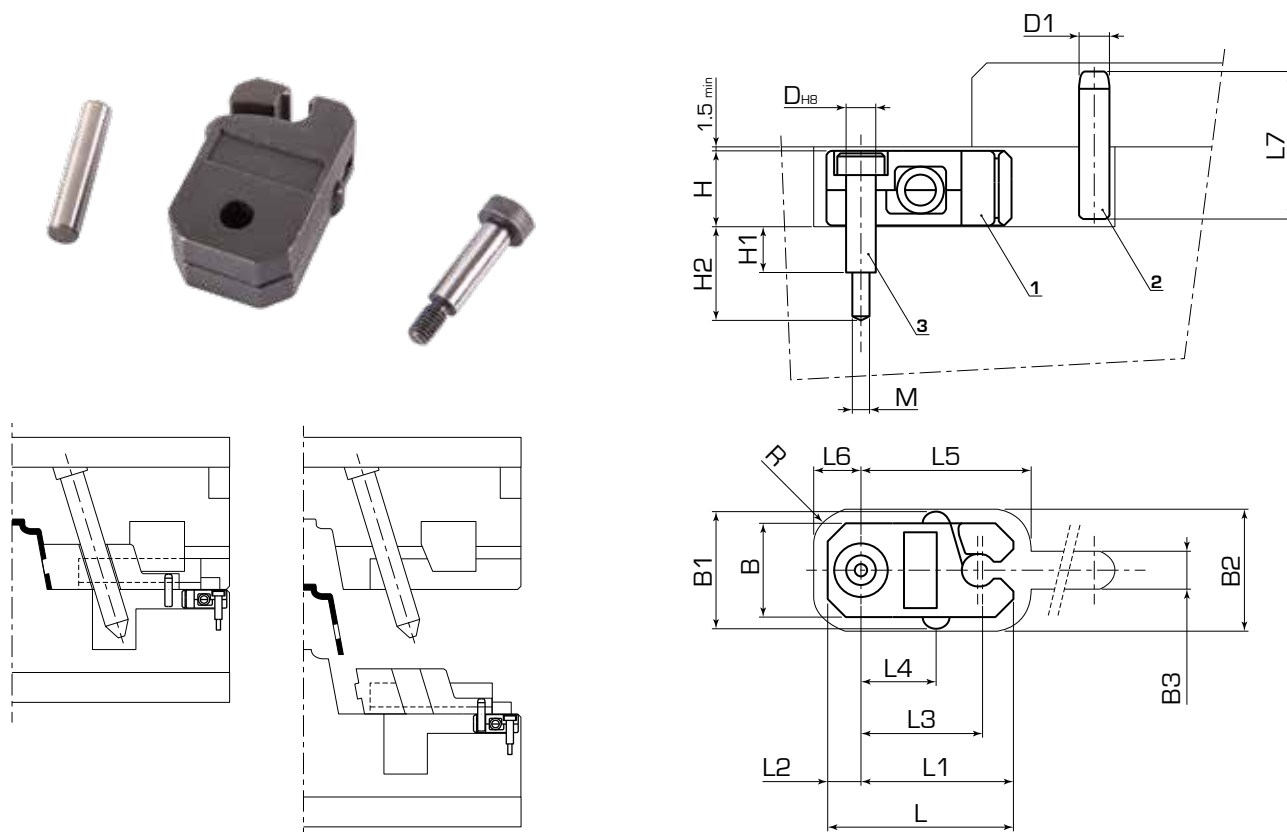
TIPO 2  
TYPE 2



Tipo 2		Type 2										
Codice Code	A	L	H	L1	L2	A1	D	D1	M	H1	P1 (N)	P2 (N)
R0361-08-0003	48	56	16	44	44	36	8	4.2	M5	1.8	228	252

### R0359

Pinza di ritegno - RPSM  
Slide retainer - RPSM



#### Descrizione:

Parti e Materiali:

- 1 - Pinza
- 2 - Spina cilindrica (R0157): Acciaio per utensili Temprato
- 3 - Vite a colletto (R0160): Acciaio ISO 12.9

#### Description:

Parts and Materials:

- 1 - Retainer
- 2 - Dowel pin (R0157): Hardened steel for tools
- 3 - Shouldered screw (R0160): Steel ISO 12.9

Codice Code	B	L	H	D	B1	L1	L2	L3	L4	Peso max. carrello Max. slide unit weight (N)
R0359-08-0001	19	38	16	6	24	31.5	7	24.89	15.5	150
R0359-08-0002	32	54	20	8	36.5	43	11	34.93	22.5	250
R0359-08-0003	45	86	30	10	49.5	67	19	53.98	40	500

#### Dimensioni sede

#### Seat dimensions

Codice Code	B2	B3	L5	L6	H1	H2	M	R
R0359-08-0001	25.5	8	34.5	10	8.5	20	M5	8
R0359-08-0002	38	10	46	14.5	10.5	25	M6	10
R0359-08-0003	51	12	70	22.5	17	35	M8	12

#### 2 - Spina cilindrica

#### 2 - Dowel pin

Codice pinza di ritegno Slide retainer code	D1	L7	Codice spina cilindrica Dowel pin code
R0359-08-0001	6	32	R0157-01-0203
R0359-08-0002	8	40	R0157-01-0239
R0359-08-0003	10	60	R0157-01-0279

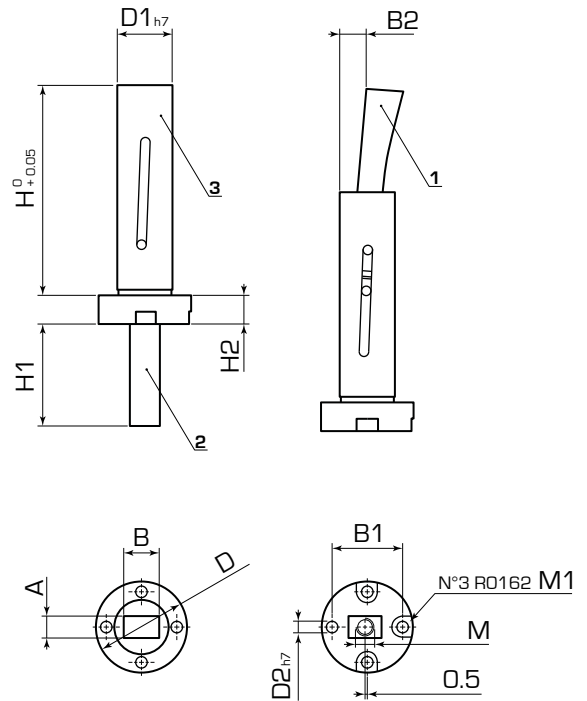
#### 3 - Vite a collare

#### 3 - Shouldered screw

Codice pinza di ritegno Slide retainer code	Filetto Thread	F max (Nm)	Codice vite a collare Shouldered screw code
R0359-08-0001	M5x20	32	R0160-01-0017
R0359-08-0002	M6x25	40	R0160-01-0034
R0359-08-0003	M8x40	60	R0160-01-0053

## R0336

Camma di espulsione - CAM  
Ejection cam - CAM



### Descrizione:

#### Parti e Materiali:

- 1 - Pinza: 1.2343/44 50-52 HRC, con rivestimento DLC
- 2 - Asta: 1.2343/44 50-52 HRC, con rivestimento DLC
- 3 - Bussola: 1.2379 55-57 HRC

### Description:

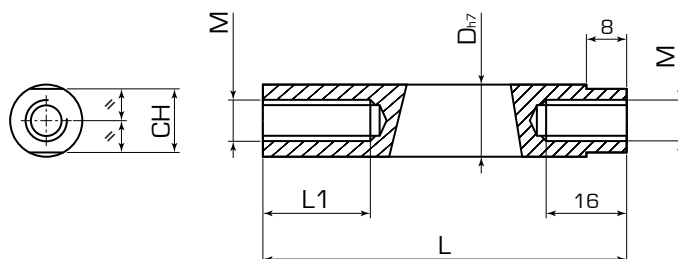
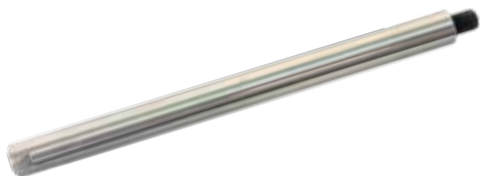
#### Parts and Materials:

- 1 - Clamp: 1.2343/44 50-52 HRC, with DLC coating
- 2 - Pin: 1.2343/44 50-52 HRC, with DLC coating
- 3 - Bush: 1.2379 55-57 HRC

Codice Code	A	B	D	D1	D2	H	H1	H2	B1	B2	M	M1
R0336-08-0001	4	7	22	12	3	48	25	8	16	4	M3	M3
R0336-08-0002	5	7	22	12	3	48	25	8	16	4	M3	M3
R0336-08-0003	6	10	25	15	3	58	28	8	19	4.8	M5	M3
R0336-08-0004	8	10	26	16	3	58	28	8	20	4.8	M5	M3
R0336-08-0005	10	12	29	19	3	58	30	8	23	5.4	M5	M3
R0336-08-0006	12	12	34	21	4	66	35	10	26	5.8	M6	M4
R0336-08-0007	14	15	38	24	4	66	35	10	30	5.8	M6	M4

## R0756

Prolunga per camme di espulsione  
Extension pin for ejection cams



### Descrizione:

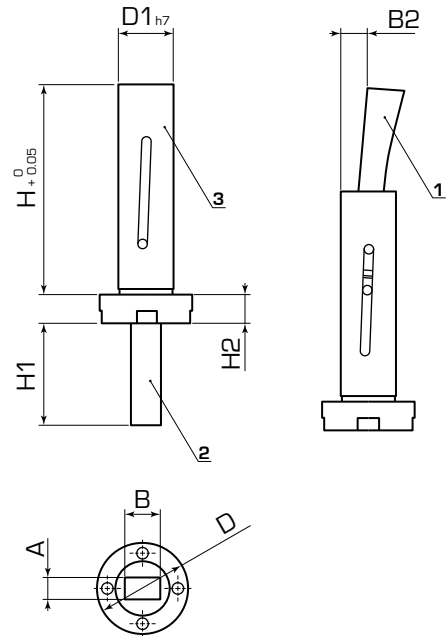
Materiale: CF 53, 62-64 HRC

### Description:

Material: CF 53, 62-64 HRC

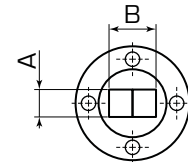
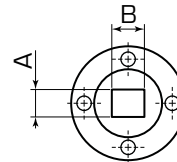
Codice Code	Codice camma di espulsione Ejection cam Code	D	L	M	L1	CH
R0756-08-0001	R0336-08-0001	6	120	M3	20	5
	R0336-08-0002					
	R0336-08-0003					
R0756-08-0002	R0336-08-0004	8	160	M5	25	7
	R0336-08-0005					
R0756-08-0003	R0336-08-0006	12	200	M6	30	9
	R0336-08-0007					

## R0686 Camma di espulsione speciale Custom ejection cam



TIPO 1  
TYPE 1

TIPO 2  
TYPE 2



### Descrizione:

#### Parti e Materiali:

- 1 - Pinza: 1.2343/44 50-52 HRC, con rivestimento DLC
- 2 - Asta: 1.2343/44 50-52 HRC, con rivestimento DLC
- 3 - Bussola: 1.2379 55-57 HRC

### Description:

#### Parts and Materials:

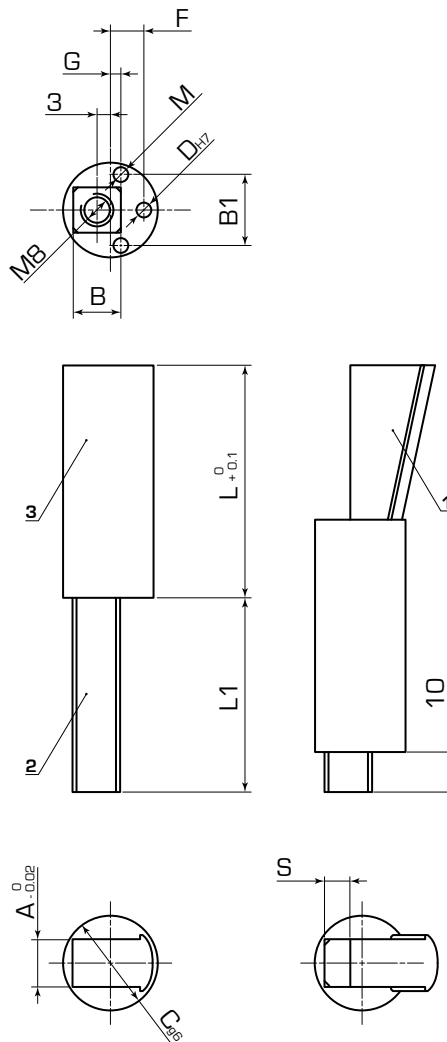
- 1 - Clamp: 1.2343/44 50-52 HRC, with DLC coating
- 2 - Pin: 1.2343/44 50-52 HRC, with DLC coating
- 3 - Bush: 1.2379 55-57 HRC

Codice Code	Tipo Type	A	B	D	D1	D2	H	H1	H2	B2
R0686-08-										



## R0338

Pattino interno - PI  
Internal slide - PI



### Descrizione:

Parti e Materiali:

- 1 - Pinza: 1.2343/44 50-52 HRC, con rivestimento DLC
- 2 - Asta: 1.2343/44 50-52 HRC, con rivestimento DLC
- 3 - Bussola: 1.2379 55-57 HRC

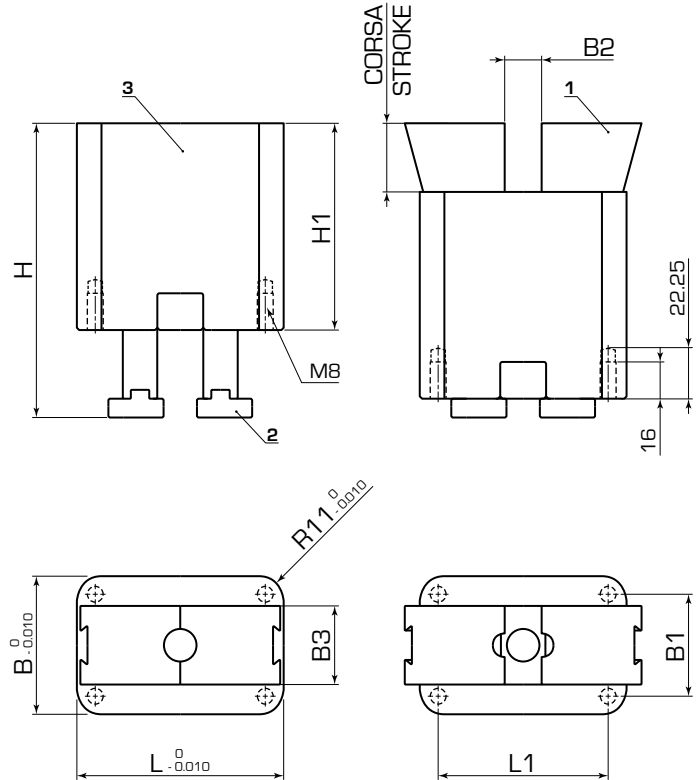
### Description:

Parts and Materials:

- 1 - Clamp: 1.2343/44 50-52 HRC, with DLC coating
- 2 - Pin: 1.2343/44 50-52 HRC, with DLC coating
- 3 - Bush: 1.2379 55-57 HRC

Codice Code	A	B	C	D	M	B1	F	G	S x 0°	L	L1
R0338-08-0001	12	12	24	4	M4	18	9	3	7.5	66	45
R0338-08-0002	16	18	32	5	M5	24	11	3	7.5	66	45
R0338-08-0003	20	18	36	5	M5	30	14	1	8.5	76	50
R0338-08-0004	24	18	42	5	M5	36	14	1	8.5	76	50

## R0775 Pattino doppio Double slide



### Descrizione:

#### Parti e Materiali:

- 1 - Pinza: 1.2343/44 50-52 HRC, con rivestimento DLC
- 2 - Asta: 1.2343/44 50-52 HRC, con rivestimento DLC
- 3 - Bussola: 1.2379 55-57 HRC

### Description:

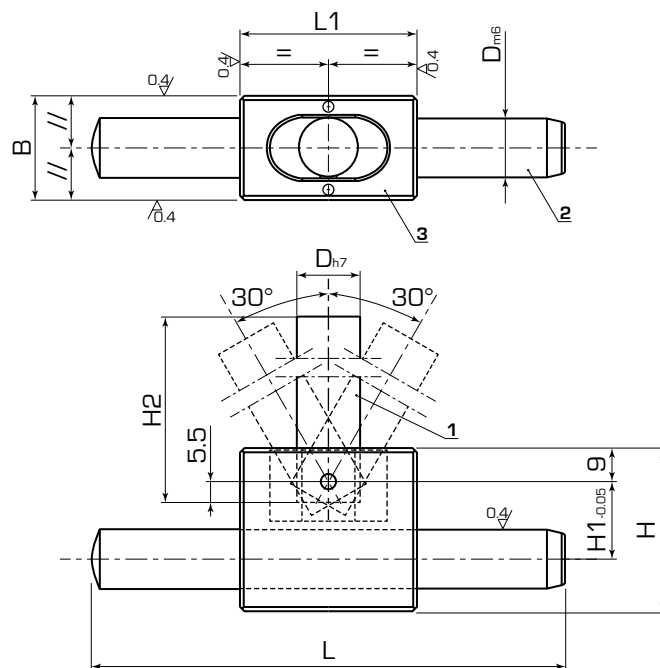
#### Parts and Materials:

- 1 - Clamp: 1.2343/44 50-52 HRC, with DLC coating
- 2 - Pin: 1.2343/44 50-52 HRC, with DLC coating
- 3 - Bush: 1.2379 55-57 HRC

Codice Code	B	L	H	H1	B1	L1	B2	B3	Corsa Stroke
R0775-08-0001	60	90	114	76	44	74	16.08	34	30
R0775-08-0002	60	90	128	90	44	74	16.08	34	30

## R0340

Scorrimento angolare - SA  
Angled slide unit - SA



### Descrizione:

#### Parti e Materiali:

1 - Barra (R0219): CF 53, Temprata e Rettificata 62-64 HRC  
2 - Spina (R0157): Acciaio per utensili Temprato, con rivestimento DLC  
3 - Bussola: 1.2311/2312, Bonificato

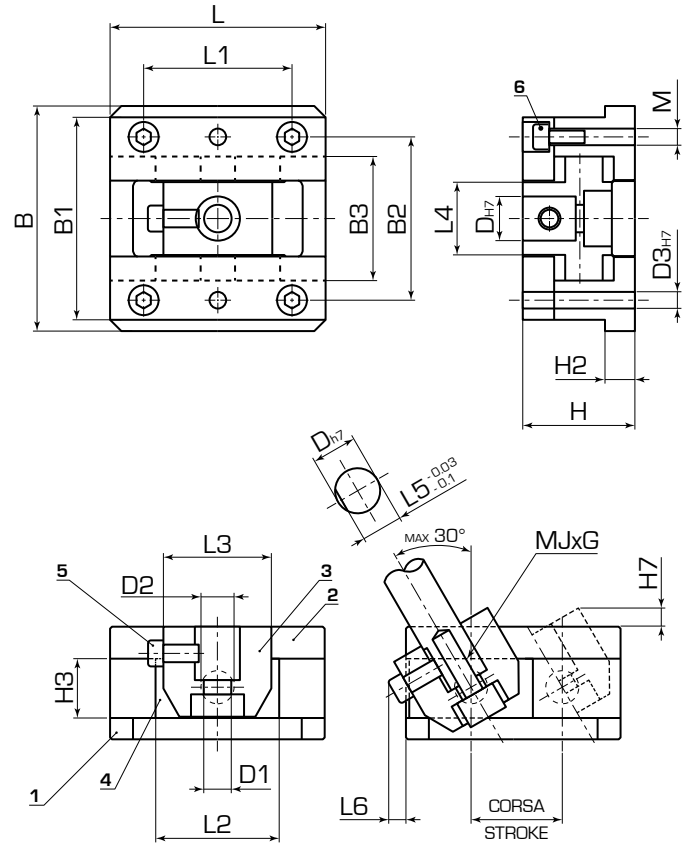
### Description:

#### Parts and Materials:

1 - Bar (R0219): CF 53, Hardened and Grinded 62-64 HRC  
2 - Dowel pin (R0157): Hardened steel for tools, with DLC coating  
3 - Bush: 1.2311/2312, Quenched

Codice Code	D	B	L	H	L1	H1	H2
R0340-08-0001	10	20	100	37	32	18	195
R0340-08-0002	12	24	100	40	38	19	240
R0340-08-0003	16	28	120	44	45	21	305

## R0343 Carrello per espulsione sottosquadri, versione "S" - SAS Slide unit for loose core, "S" version - SAS



### Descrizione:

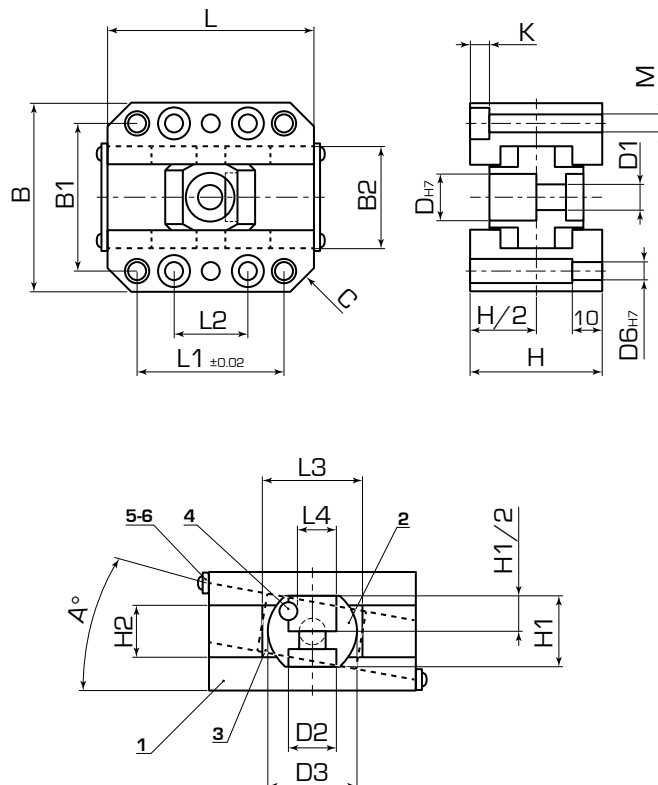
Parti:  
 1 - Base di scorrimento(x1)  
 2 - Piastrino superiore (x2)  
 3 - Notolino centrale (x1)  
 4 - Piattino di scorrimento (x2)  
 5 - Vite anti rotazione (x1)  
 6 - Vite di fissaggio piastrina superiore (x4)  
 Proprietà: autolubrificante  
 Lubrificante: Grafite

### Description:

Parts:  
 1 - Sliding base (x1)  
 2 - Upper plate (x2)  
 3 - Pin holder (x1)  
 4 - Sliding plate (x2)  
 5 - Locking screw (x1)  
 6 - Locking screw (x4)  
 Article properties: self-lubricating  
 Lubricant: Graphite

Codice Code	D	B	L	H	D1	D2	D3	B1	B2	B3	L1	L2	L3	L4	L5	L6	H2	H3	H7	M	MJxG	Corsa Stroke
R0343-08-0001	8	33	32	22	4.5	7	3	30	24	19	20	20	20	11	7	3.6	5	11	10.5	M3	M4x8	10
R0343-08-0002	10	45	45	27	5.5	7	4	40	32	25	30	25	25	15	9	4.5	5	15	11.3	M4	M5x9	18
R0343-08-0003	12	57	50	32	7	10	6	51	39	31	35	30	25	17	11	5	7	16	4	M6	M6x10	20
R0343-08-0004	16	65	65	36	9	12	6	58	46	38	40	40	30	22	14.5	5	8	20	5	M6	M8x12	25
R0343-08-0005	20	80	80	42	11	14	8	72	56	44	55	50	40	26	18	5	11	22	8	M8	M10x16	30
R0343-08-0006	25	93	90	50	14	16	10	85	66	52	65	55	45	32	22.5	6	15	26	8	M10	M12x20	35
R0343-08-0007	30	101	100	55	14	18	10	93	74	60	70	60	50	38	27	7	15	30	9	M10	M12x25	40
R0343-08-0008	35	120	120	62	14	20	10	110	85	70	80	75	60	45	32	8	15	34	10	M12	M12x30	45
R0343-08-0009	40	130	135	70	18	25	10	120	95	80	90	85	70	55	36	8	15	44	12	M12	M16x35	50
R0343-08-0010	45	140	150	80	18	30	10	130	105	90	110	95	80	60	40	10	15	50	14	M12	M16x40	55

## R0341 Carrello per espulsione sottosquadri, versione "F" - SAF Slide unit for loose core, "F" version - SAF



### Descrizione:

Esempio di ordinativo: R0341-08-0001

- Parti:  
 1 - Guide laterali (x2)  
 2 - Notolino centrale (x1)  
 3 - Piattino di scorrimento (x2)  
 4 - Spina antirotazione (x1)  
 5 - Guida sbarra (x2)  
 6 - Viti a testa tonda (x4)  
 Proprietà: autolubrificante  
 Lubrificante: Grafite

### Description:

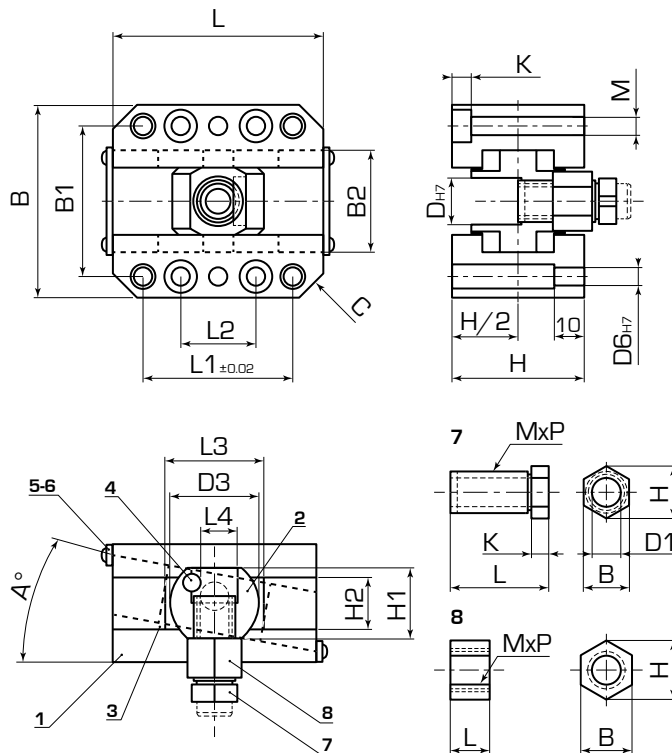
Example of purchasing order: R0341-08-0001

- Parts:  
 1 - Guide rail (x2)  
 2 - Inclined pin holder (x1)  
 3 - Sliding plate (x2)  
 4 - Loosening lock (x1)  
 5 - Locking plate (x2)  
 6 - Round headed screw (x4)  
 Article properties: self-lubricating  
 Lubricant: Graphite

Codice Code	D	B	L	H	D1	D2	D3	D6	B1	B2	L1	L2	L3	L4	H1	H2	M	K	C	A°										
																				0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
R0341-08	8	41	44	24	5	10	20	4	33	24	25	12	25	7.5	16	13	M4	3.4	3	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011
R0341-08	10	47	50	28	6	12	20	5	38	28	30	16	32	8.5	16	17	M5	5	3	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022
R0341-08	12	53	60	36	7	13	25	6	42	31	40	20	40	10	20	20	M8	4.8	4	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033
R0341-08	16	64	70	40	9	16	30	6	50	36	50	25	45	13	24	24	M8	6.5	6	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044
R0341-08	20	76	75	46	11	20	40	8	60	43	55	30	45	17	30	24	M10	8.5	8	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055
R0341-08	25	81	85	48	14	25	45	8	65	48	65	40	50	22	35	26	M10	8.5	8	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066
R0341-08	30	88	100	54	14	25	50	8	72	55	80	50	60	27	38	30	M10	8.5	8	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077
R0341-08	35	100	115	60	14	25	55	10	80	64	85	50	70	31	40	34	M12	6.5	8	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088
R0341-08	40	108	125	65	18	32	60	10	88	72	85	50	80	36	43	38	M12	7	8	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099

## R0342

Carrello per espulsione sottosquadri con registrazione asta, versione "M" - SAM  
Slide unit for loose core, adjusting type, "M" version - SAM



### Descrizione:

Esempio di ordinativo: R0342-08-0001

Parti:

- 1 - Guide laterali (x2)
- 2 - Notolino centrale (x1)
- 3 - Piattino di scorrimento (x2)
- 4 - Spina antirotazione (x1)
- 5 - Guida sbarra (x2)
- 6 - Viti a testa tonda (x4)
- 7 - Vite di regolazione (x1)
- 8 - Dado di bloccaggio (x1)

Proprietà: autolubrificante  
Lubrificante: Grafite

### Description:

Example of purchasing order: R0342-08-0001

Parts:

- 1 - Guide rail (x2)
- 2 - Inclined pin holder (x1)
- 3 - Sliding plate (x2)
- 4 - Loosening lock (x1)
- 5 - Locking plate (x2)
- 6 - Round headed screw (x4)
- 7 - Adjusting rod (x1)
- 8 - Lock nut (x1)

Article properties: self-lubricating  
Lubricant: Graphite

Codice Code	D	B	L	H	D3	D6	B1	B2	L1	L2	L3	L4	H1	H2	M	K	C	A°										
																		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
R0342-08	16	64	70	40	30	6	50	36	50	25	45	13	24	24	M8	6.5	6	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011
R0342-08	20	76	75	46	40	8	60	43	55	30	45	17	30	24	M10	8.5	8	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022
R0342-08	25	81	85	48	45	8	65	48	65	40	50	22	35	26	M10	8.5	8	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033
R0342-08	30	88	100	54	50	8	72	55	80	50	60	27	38	30	M10	8.5	8	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044
R0342-08	35	100	115	60	55	10	80	64	85	50	70	31	40	34	M12	6.5	8	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055
R0342-08	40	108	125	65	60	10	88	72	85	50	80	36	43	38	M12	7	8	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066

### Spina di Aggiustaggio

### Adjusting rod

D	MxP	B	L	H	D1	K
16	M14x1.5	14	42	16.2	9	6
20	M18x1.5	19	45	21.9	11	6
25	M22x1.5	22	49	25.4	13	7
30	M27x1.5	27	55	31.2	13	7
35	M30x1.5	32	58	37	13	7
40	M36x1.5	38	60.5	43.9	17	7

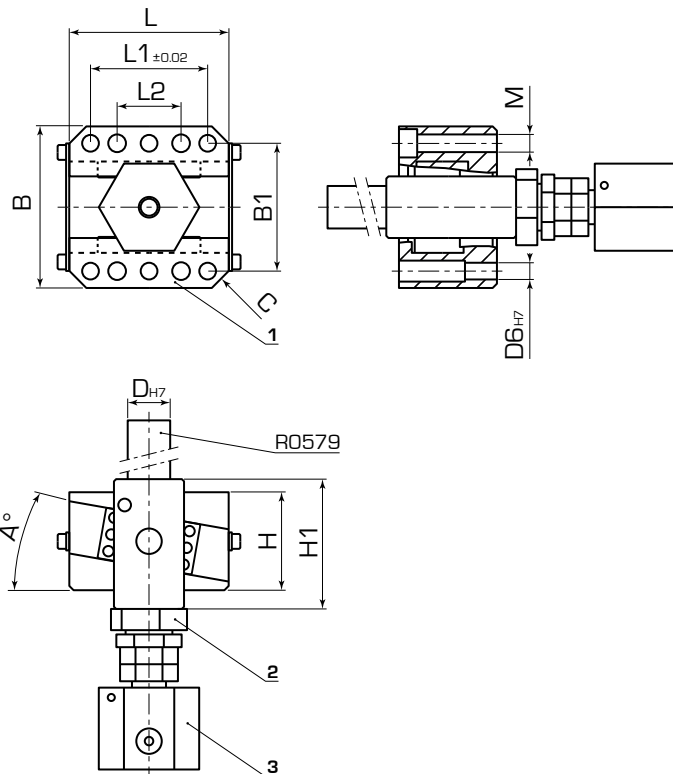
### Dado di bloccaggio

### Lock nut

D	MxP	B	L	H
16	M14x1.5	17	21	19.6
20	M18x1.5	22	21	22
25	M22x1.5	27	21.5	31.2
30	M27x1.5	32	26	32
35	M30x1.5	36	28	36
40	M36x1.5	41	29	47.1

## R0578

Carrello per espulsione sottosquadri con distributore, versione "MCD"  
Slide unit with cooling system option, "MCD" version



### Descrizione:

Esempio di ordinativo: R0578-08-0001

Parti:

1 - Carrello

2 - Dado

3 - Distributore

Proprietà: autolubrificante

Lubrificante: Grafite

Nota: la colonna R0579 deve essere ordinata separatamente.

### Description:

Example of purchasing order: R0578-08-0001

Parts:

1 - Slide unit

2 - Nut

3 - Cooling adapter

Article properties: self-lubricating

Lubricant: Graphite

Note: Pillar R0579 has to be ordered separately.

Codice Code	D	A°																				
		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°
R0578-08	20	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021
R0578-08	25	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042
R0578-08	30	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063

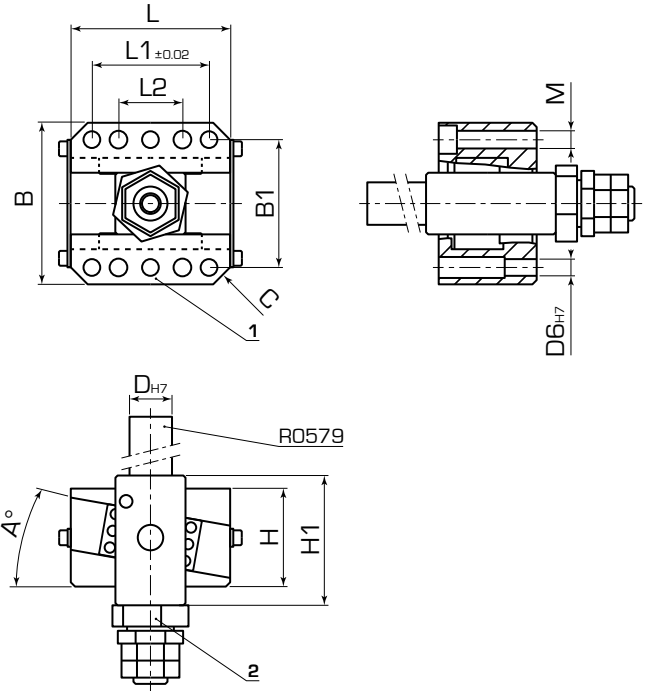
### Tabella dimensioni

### Dimensions table

Codice Code	D	B	L	H		B1	L1	L2	H1		C	D6	M
				0 ≤ A° ≤ 10	11 ≤ A° ≤ 20				0 ≤ A° ≤ 10	11 ≤ A° ≤ 20			
R0578-08	20	76	75	46	56	60	55	30	61	75	8	8	M10
R0578-08	25	81	85	48	62	65	65	40	62	77	8	8	M10
R0578-08	30	88	100	54	75	80	80	50	75	95	8	8	M10

## R0626

Carrello per espulsione sottosquadri senza distributore, versione "MC"  
Slide unit without cooling system option, "MC" version



### Descrizione:

Esempio di ordinativo: R0626-08-0001

Parti:

1 - Carrello

2 - Dado

Proprietà: autolubrificante

Lubrificante: Grafite

Nota: la colonna R0579 deve essere ordinata separatamente.

### Description:

Example of purchasing order: R0626-08-0001

Parts:

1 - Slide unit

2 - Nut

Article properties: self-lubricating

Lubricant: Graphite

Note: Pillar R0579 has to be ordered separately.

Codice Code	D	A°																				
		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°
R0626-08	20	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021
R0626-08	25	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042
R0626-08	30	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063

### Tabella dimensioni

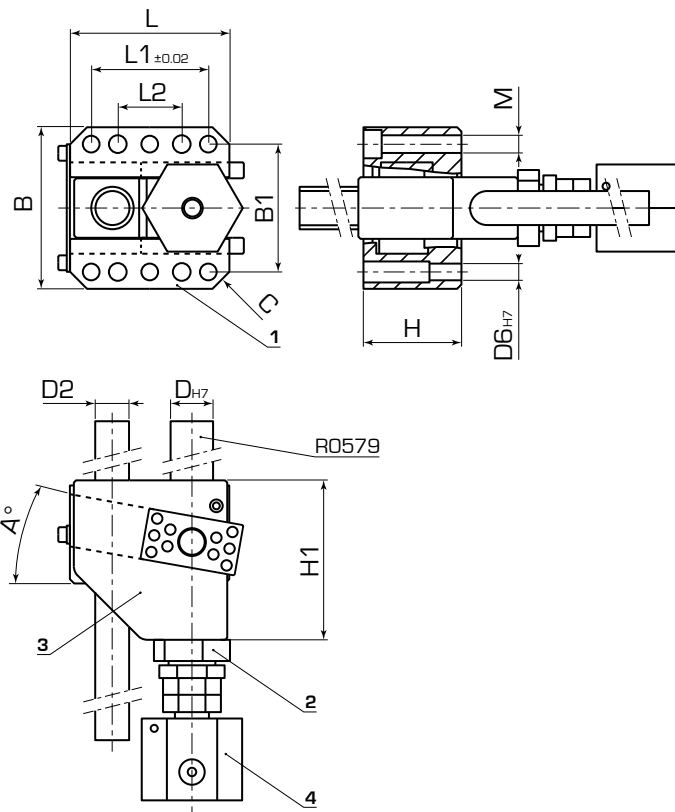
### Dimensions table

Codice Code	D	B	L	H 0 ≤ A° ≤ 10	H 11 ≤ A° ≤ 20	B1	L1	L2	H1 0 ≤ A° ≤ 10	H1 11 ≤ A° ≤ 20	C	D6	M
R0626-08	20	76	75	46	56	60	55	30	61	75	8	8	M10
R0626-08	25	81	85	48	62	65	65	40	62	77	8	8	M10
R0626-08	30	88	100	54	75	80	80	50	75	95	8	8	M10



## R0776

Carrello per espulsione sottosquadri con doppia colonna e distributore, versione "M2CD"  
Slide unit with double pillar and cooling system option, "M2CD" version



### Descrizione:

Esempio di ordinativo: R0776-08-0001

Parti:  
1 - Carrello  
2 - Dado  
3 - Porta asta  
4 - Distributore  
Proprietà: autolubrificante  
Lubrificante: Grafite  
Nota: la colonna R0579 deve essere ordinata separatamente.

### Description:

Example of purchasing order: R0776-08-0001

Parts:  
1 - Slide unit  
2 - Nut  
3 - Pin holder  
4 - Cooling adapter  
Article properties: self-lubricating  
Lubricant: Graphite  
Note: Pillar R0579 has to be ordered separately.

Codice Code	D	A°																				
		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°
R0776-08	20	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021
R0776-08	25	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042
R0776-08	30	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063

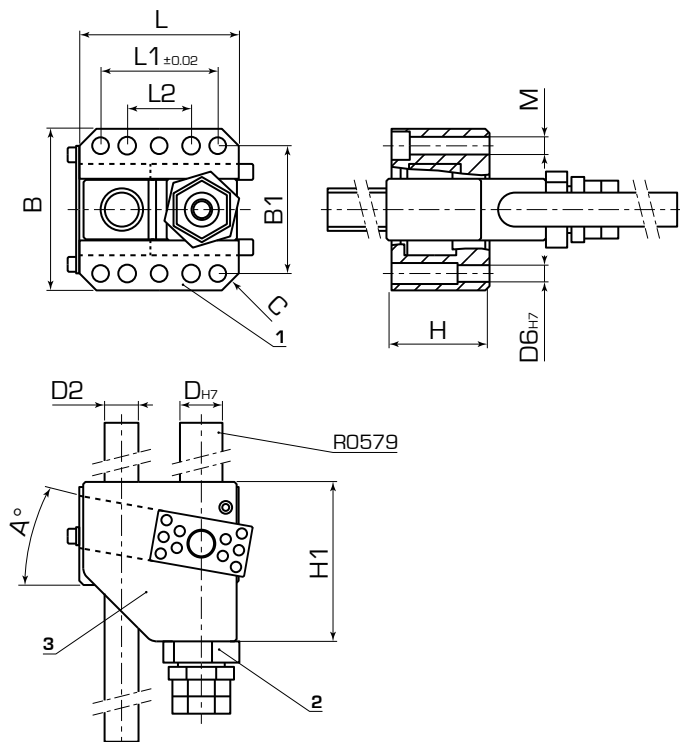
### Tabella dimensioni

### Dimensions table

Codice Code	D	D2	B	L	H 0 ≤ A° ≤ 10	H 11 ≤ A° ≤ 20	B1	L1	L2	H1	C	D6	M
R0776-08	20	16	76	75	46	56	60	55	30	75	8	8	M10
R0776-08	25	20	81	85	48	62	65	65	40	77	8	8	M10
R0776-08	30	25	88	100	54	72	80	80	50	95	8	8	M10

## R0777

Carrello per espulsione sottosquadri con doppia colonna e senza distributore, versione "M2C"  
Slide unit with double pillar without cooling system option, "M2C" version



### Descrizione:

Esempio di ordinativo: R0777-08-0001

Parti:

1 - Carrello

2 - Dado

3 - Porta asta

Proprietà: autolubrificante

Lubrificante: Grafite

Nota: la colonna R0579 deve essere ordinata separatamente.

### Description:

Example of purchasing order: R0777-08-0001

Parts:

1 - Slide unit

2 - Nut

3 - Pin holder

Article properties: self-lubricating

Lubricant: Graphite

Note: Pillar R0579 has to be ordered separately.

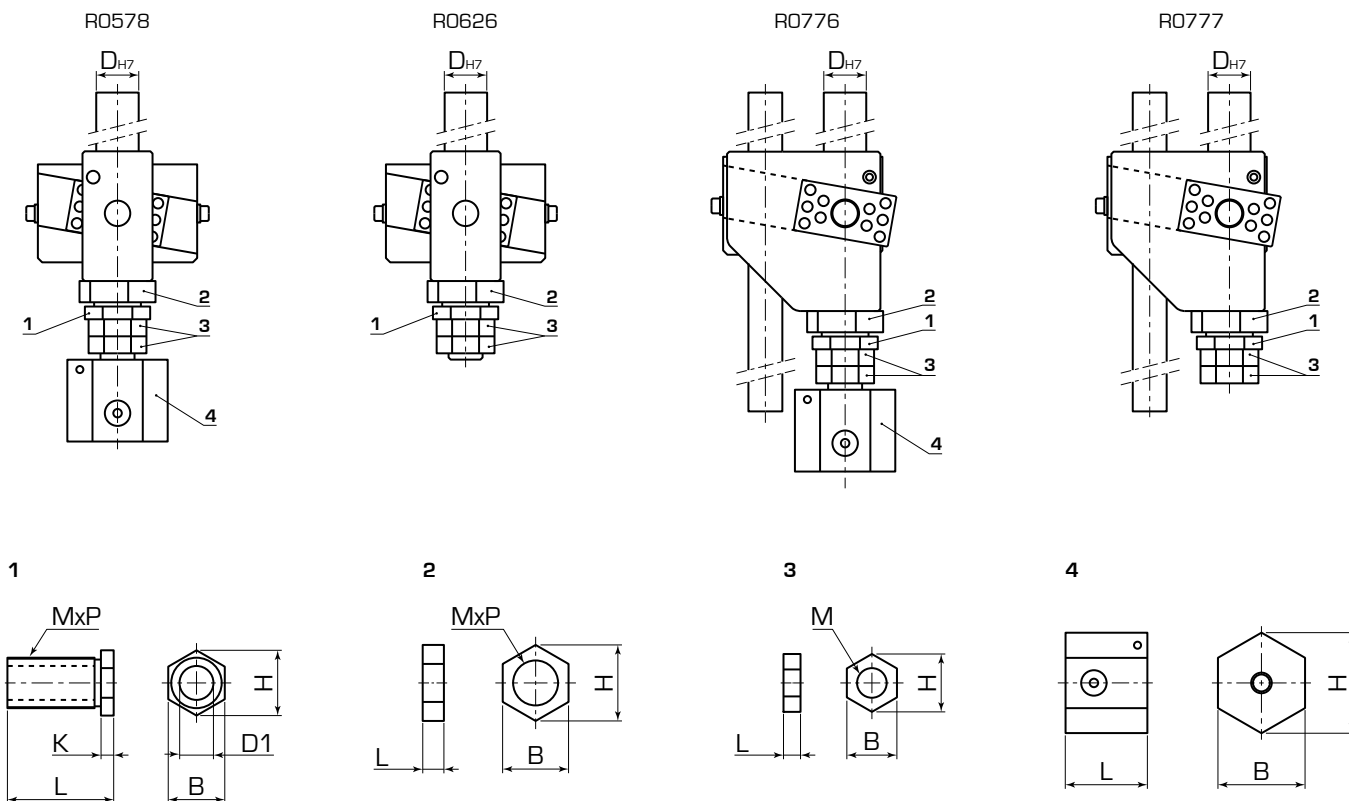
Codice Code	D	A°																				
		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°
R0777-08	20	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021
R0777-08	25	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042
R0777-08	30	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063

### Tabella dimensioni

### Dimensions table

Codice Code	D	D2	B	L	H 0 ≤ A° ≤ 10	H 11 ≤ A° ≤ 20	B1	L1	L2	H1	C	D6	M
R0777-08	20	16	76	75	46	56	60	55	30	75	8	8	M10
R0777-08	25	20	81	85	48	62	65	65	40	77	8	8	M10
R0777-08	30	25	88	100	54	75	80	80	50	95	8	8	M10

## COMPONENTI PER R0578 - R0626 - R0776 - R0777 PARTS FOR R0578 - R0626 - R0776 - R0777



### 1 - Vite di regolazione 1 - Adjusting rod

Listino	D	MxP	B	L	H	D1	K
R0578 - R0626	20	M24 x 1.5	27	50	31	16.3	6
R0776 - R0777	20	M24 x 1.5	27	64	31	16.3	6
R0578 - R0626	25	M27 x 1.5	30	56	34.5	20.3	7
R0776 - R0777	25	M27 x 1.5	30	71	34.5	20.3	7
R0578 - R0626	30	M33 x 1.5	36	64	41.5	22.3	7
R0776 - R0777	30	M33 x 1.5	36	84	41.5	22.3	7

### 2 - Dado di bloccaggio 2 - Lock nut

Listino	D	MxP	B	L	H
R0578 - R0626 R0776 - R0777	20	M24 x 1.5	32	10	37
R0578 - R0626 R0776 - R0777	25	M27 x 1.5	36	14	41
R0578 - R0626 R0776 - R0777	30	M33 x 1.5	46	12	52.5

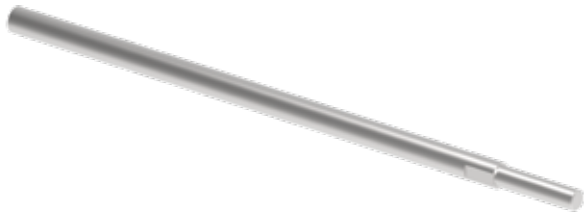
### 3 - Controdado 3 - Lock nut

Listino	D	M	B	L	H
R0578 - R0626 R0776 - R0777	20	M16	24	8	27.5
R0578 - R0626 R0776 - R0777	25	M20	30	9	34.5
R0578 - R0626 R0776 - R0777	30	M22	32	10	37

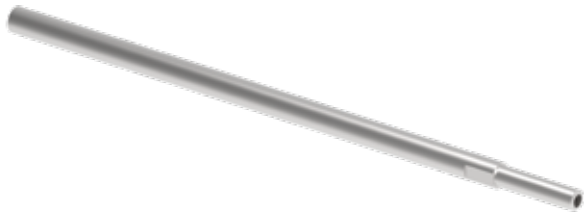
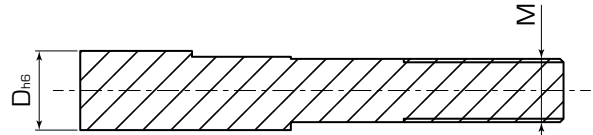
### 4 - Distributore 4 - Cooling adapter

Listino	D	B	L	H
R0578 - R0626 R0776 - R0777	20	41	47.5	38.5
R0578 - R0626 R0776 - R0777	25	41	47.5	45
R0578 - R0626 R0776 - R0777	30	41	47.5	47.5

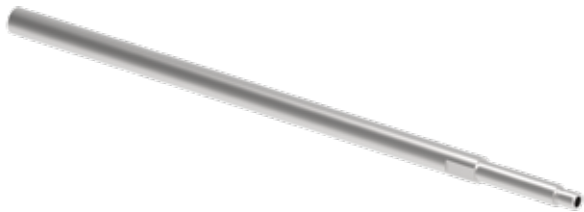
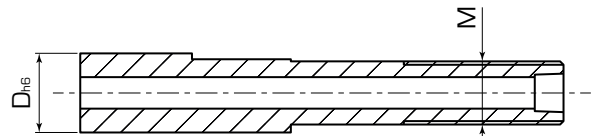
## R0579 Colonna per carrello espulsione sottosquadri Pillar for slide unit



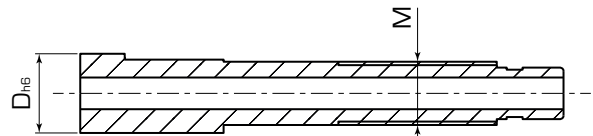
TIPO 1  
TYPE 1



TIPO 2  
TYPE 2



TIPO 3  
TYPE 3



**Descrizione:**

Esempio di ordinativo: R0579-08-0001 x Lunghezza effettiva  
R0579-08-0001 x 450

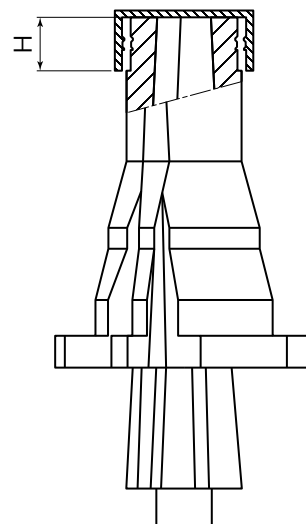
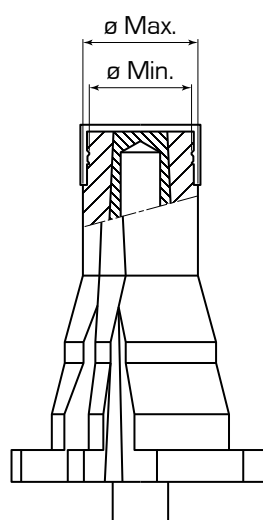
**Description:**

Example of purchasing order: R0579-08-0001 x actual Length  
R0579-08-0001 x 450

Codice Code	D	M	Tipo Type	Descrizione Description	Angolo Angle	L	
						L ≤ 500	500 < L ≤ 1000
R0579-08	20	M16	1	piena solid pillar	0° - 10°	0001	0007
					11° - 20°	0002	0008
			2	forata hollow pillar	0° - 10°	0003	0009
					11° - 20°	0004	0010
			3	forata per distributore hollow pillar for distributor	0° - 10°	0005	0011
					11° - 20°	0006	0012
	25	M20	1	piena solid pillar	0° - 10°	0013	0019
					11° - 20°	0014	0020
			2	forata hollow pillar	0° - 10°	0015	0021
					11° - 20°	0016	0022
			3	forata per distributore hollow pillar for distributor	0° - 10°	0017	0023
					11° - 20°	0018	0024
30	M22	1	piena solid pillar	0° - 10°	0025	0031	
				11° - 20°	0026	0032	
		2	forata hollow pillar	0° - 10°	0027	0033	
				11° - 20°	0028	0034	
		3	forata per distributore hollow pillar for distributor	0° - 10°	0029	0035	
				11° - 20°	0030	0036	

## R0339

Maschio collassabile - MCS  
Collapsible core - MCS



### Descrizione:

Esempio di ordinativo: R0339-08 x MaxØ x MinØ x H

I maschi collassabili vengono utilizzati nella realizzazione di pezzi stampati con sottosquadri cilindrici continui o interrotti (come filettature o sedi di guarnizioni) e vanno a sostituire l'inserimento di organi di movimento tradizionali come cremagliere e ruote dentate che sono ingombranti e soggetti ad usura.

Sul mercato si possono trovare diversi tipi di maschi collassabili elastici, mentre i nostri maschi sono "meccanici", e hanno i seguenti vantaggi:

- ingombro inferiore e più performante
- riduzione del ciclo
- in caso di rottura di un settore nel nostro maschio collassabile è possibile sostituire il singolo elemento danneggiato (cosa non possibile in altre tipologie).

### Description:

Example of purchasing order: R0339-08 x MaxØ x MinØ x H

Collapsible cores are used in the production of pieces moulded with continuous or interrupted cylindrical undercuts (such as threads or sealing grooves) and they replace the insertion of traditional movement pieces such as racks and gears that are cumbersome and subject to wear.

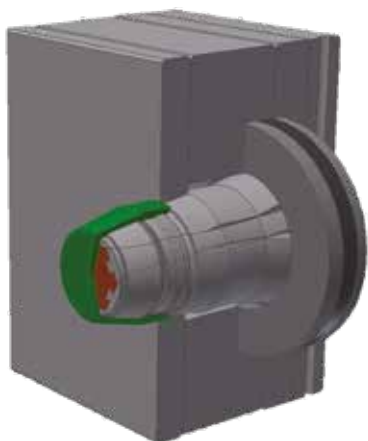
On the market you can find different types of flexible collapsible cores, but our cores are "mechanical" and they have the following advantages:

- lower overall dimensions and better performance
- cycle reduction
- in case of a sector damage in our collapsible core it is possible to replace the single damaged element (not possible for other types)

Codice Code	Max Ø (mm)	Min Ø (mm)	Altezza di figura Height of the moulding area H (mm)
R0339-08-			

**R0339**

**Maschio collassabile - MCS**  
**Collapsible core - MCS**

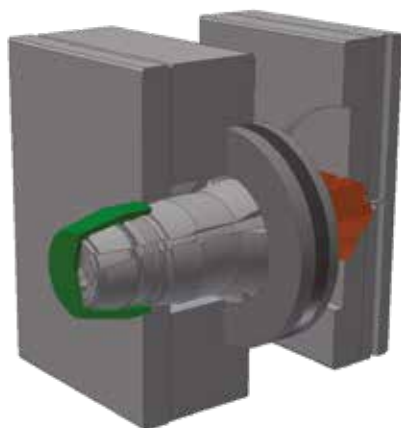


1° Movimento:

Apertura del lato matrice. La parte stampata è agganciata ai sottosquadri.

1° Stroke:

Matrix side opening. The moulded piece is fastened to the undercuts.

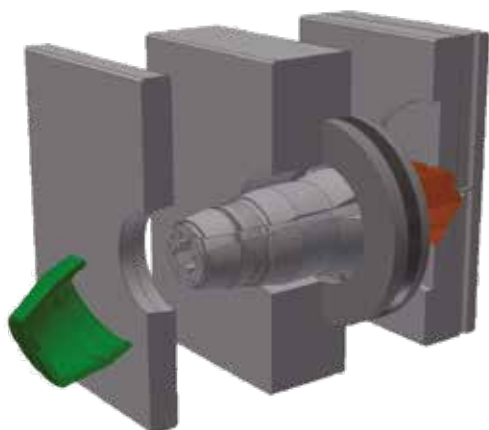


2° Movimento:

Movimento della seconda piastra rispetto al perno centrale: i segmenti mobili collassano su se stessi. Il sottosquadro si riduce radialmente e libera la parte stampata.

2° Stroke:

Movement of the second plate with respect to the central pin: the segments collapse on themselves. The undercut reduces itself radially and frees the moulded piece.



3° Movimento:

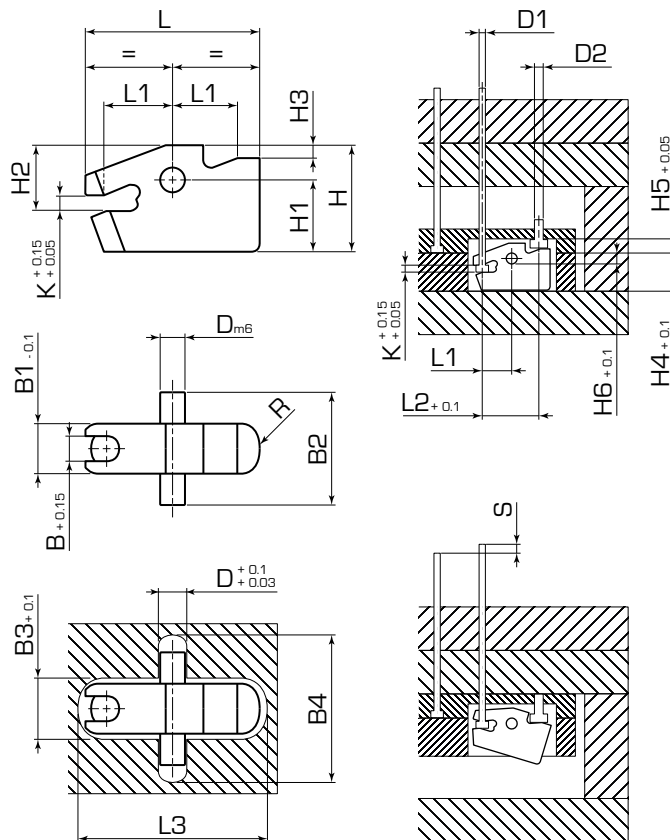
La terza piastra avanza e fa cadere la parte stampata.

3° Stroke:

The third plate advances and it ejects the moulded piece.

## R0346

Acceleratore di espulsione - AE  
Acceleration rocker - AE



### Descrizione:

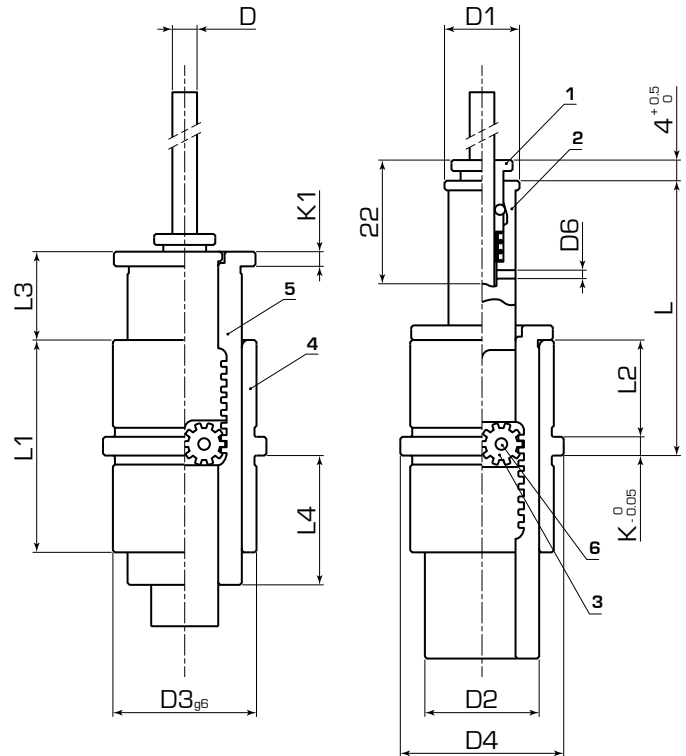
Meccanismo a leveraggio utilizzato per creare un aumento della corsa di un espulsore singolo.

### Description:

Leverage mechanism used to increase the stroke of one single ejector.

Codice Code	B1	D1	B3	B	D2	D	L	B2	H	H1	H3	H2	K	L1	L2	H4	H5	S	L3	B4	R	H6
R0346-08-0001	8	3	8.5	3	4	4	26	16	19	14	2	10	3	10	20	16	4	2.5	31	23	4	4
R0346-08-0002	16	6	16.5	6	8	8	56	36	34	23	4	21	5	21	42	27	8	7.6	63	45	8	8
R0346-08-0003	16	8	16.5	8	8	8	56	36	34	23	4	21	5	21	42	27	8	7.6	63	45	8	8

## R0758 Acceleratore di espulsione a ghiera Ejection accelerator with ferrule



### Descrizione:

- Parti:  
 1 - Anello d'arresto  
 2 - Estrattore  
 3 - Pignone  
 4 - Bussola di scorrimento esterna  
 5 - Bussola di scorrimento interna  
 6 - Spina cilindrica

### Description:

- Parts:  
 1 - Retainer ring  
 2 - Ejector bolt  
 3 - Pinion  
 4 - Outer sliding bush  
 5 - Inner sliding bush  
 6 - Dowel pin

Codice Code	D	D1	D2	D4	D3	L	L2	L1	L3	L4	L5	F	D6	K	K1
R0758-08-0001	3	12.5	16	22	20	37	14	32	8	17	22	13	-	4	3
R0758-08-0002	4	12.5	16	22	20	37	14	32	8	17	22	13	-	4	3
R0758-08-0003	5	16	24	34	30	57	20	44	15	27	36	16	2	4	3
R0758-08-0004	6	16	24	34	30	57	20	44	15	27	36	16	2	4	3
R0758-08-0005	8	17	24	34	30	57	20	44	15	27	36	17	2	4	3
R0758-08-0006	10	21.5	30	40	36	78	28	62	20	34	46	21	2	6	4
R0758-08-0007	12	21.5	30	40	36	78	28	62	20	34	46	21	2	6	4

### Caratteristiche:

Sostituzione rapida dell'espulsore, spazio richiesto minimo, risparmio dei costi.

### Metodo di installazione:

La tasca rotonda D6 è necessaria per installare il perno di centraggio, il quale arresta la rotazione dell'espulsore. Tutti i fori di montaggio devono essere perpendicolari alla superficie di separazione.

### Features:

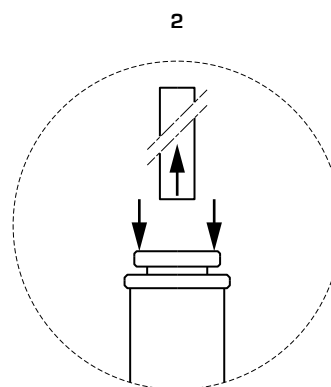
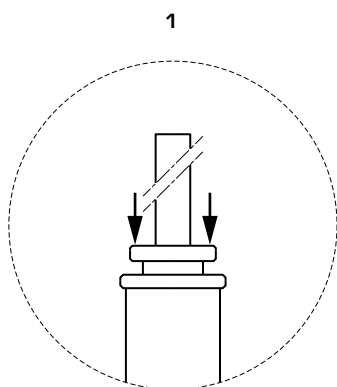
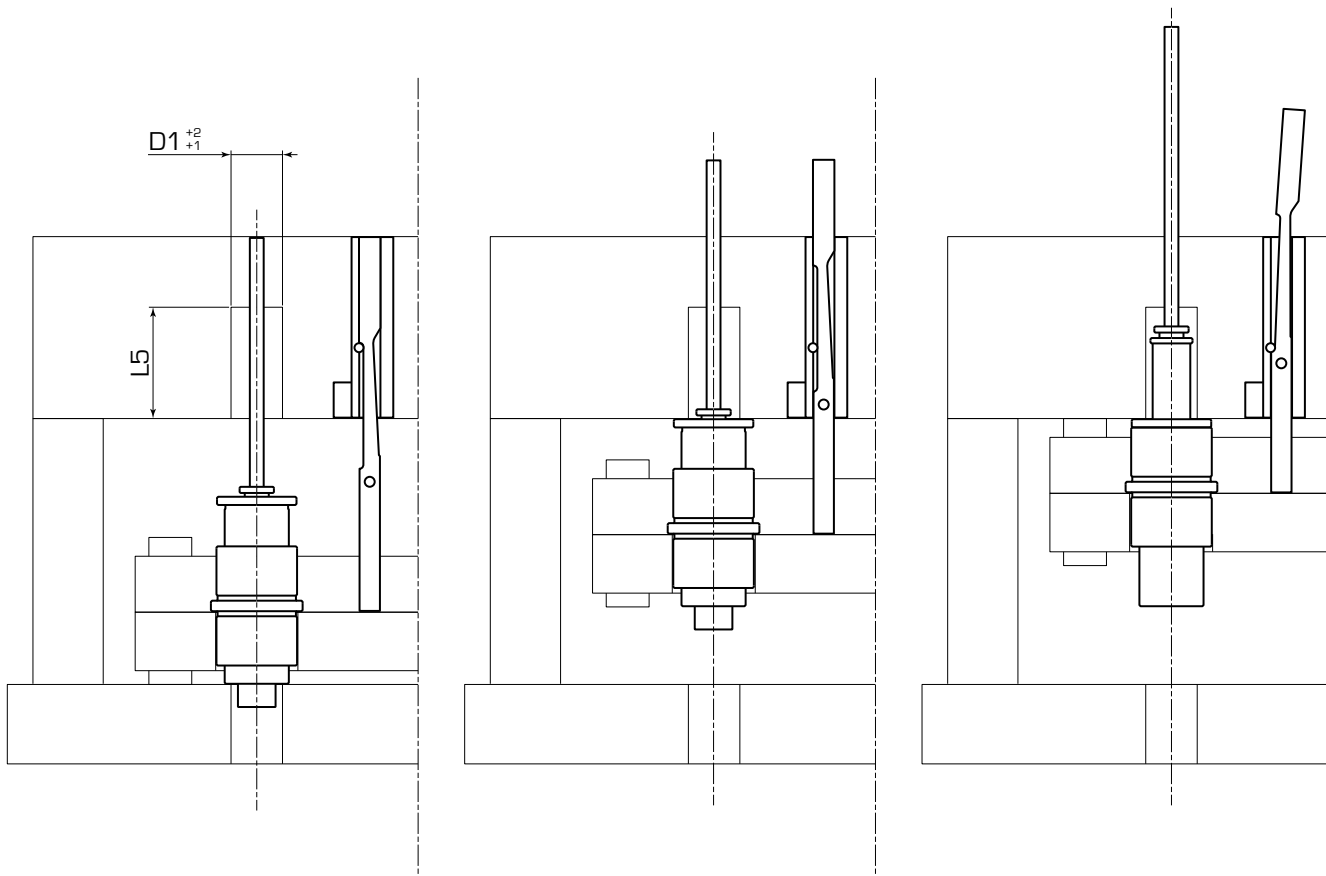
Quick replacement of the ejection pin, minimum space required, cost savings.

### Installation method:

D6 round pocket is needed to install the dowel pin which stops the turning of the ejector pin. All mounting holes should be perpendicular to the parting surface.



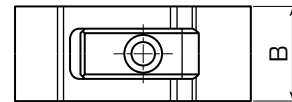
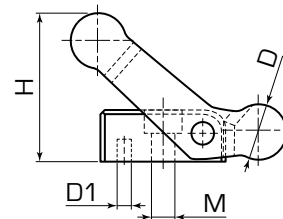
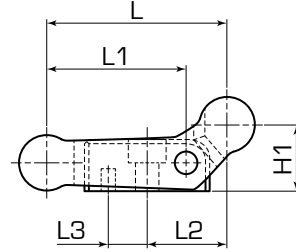
## R0758 Acceleratore di espulsione a ghiera Ejection accelerator with ferrule



Istruzioni smontaggio espulsore:  
1. spingere la bussola verso il basso  
2. tirare l'espulsore

Ejector pin dismounting instruction:  
1. press down the bush  
2. pull the ejector

## R0753 Acceleratore piastra d'espulsione Ejection plate accelerator



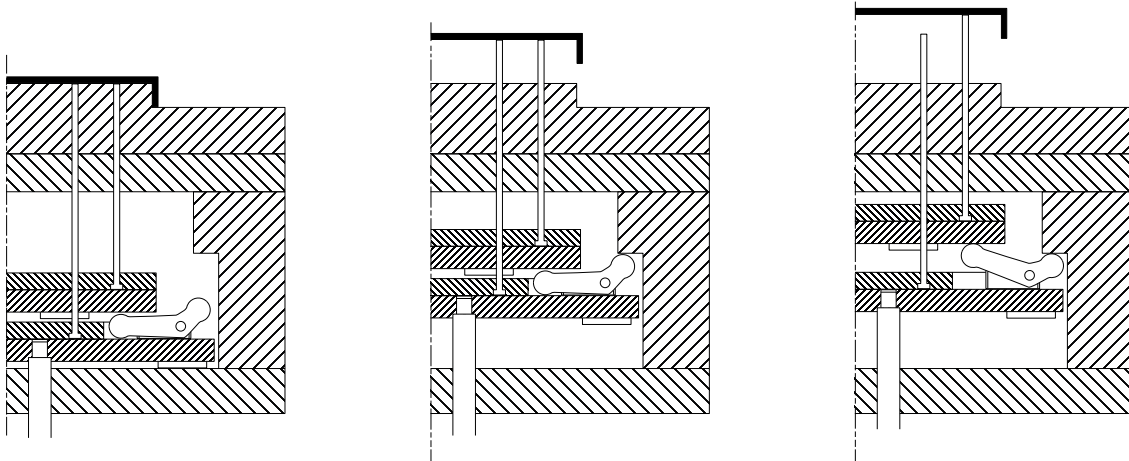
### Descrizione:

Materiale:  
Leva: 1.2311 Nitrurato  
Perno centrale: 1.2343 Temprato 48-52 HRC

### Description:

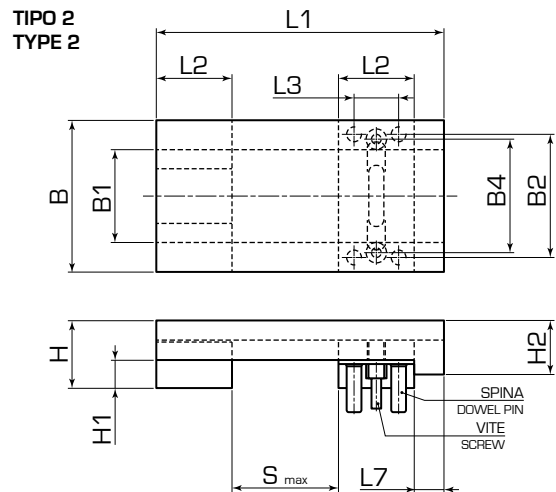
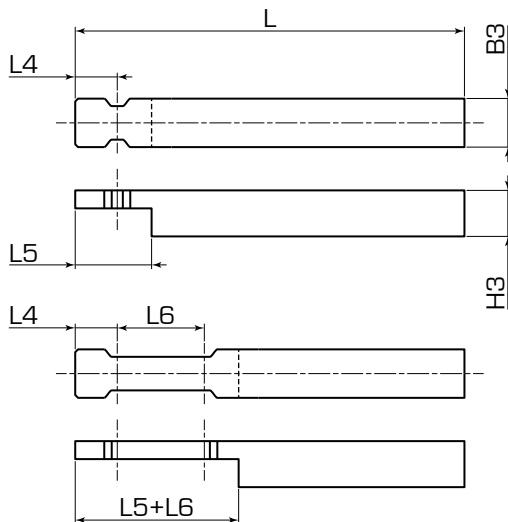
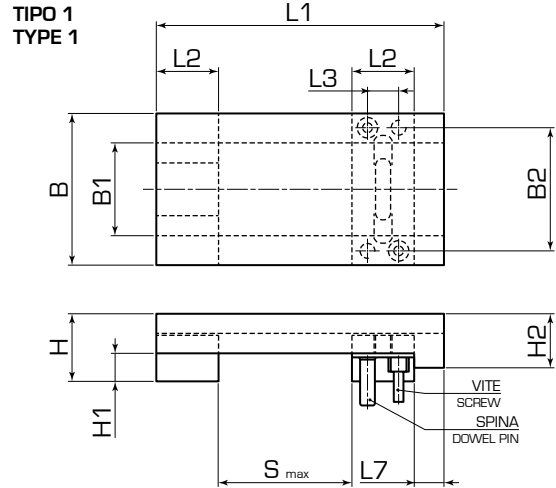
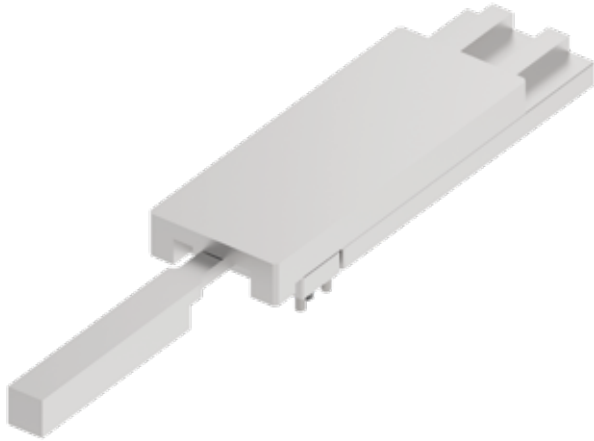
Material:  
Lever: 1.2311 Nitrided  
Central pin: 1.2343 Hardened 48-52 HRC

Codice Code	L1	D	D1	B	L	H1	L2	L3	H	M
R0753-08-0001	25	10	3	20	32.3	11.8	14.3	7	27	M4
R0753-08-0002	37.5	15	4	26	48.5	17.7	21.5	10.5	39.6	M6
R0753-08-0003	50	20	5	34	64.6	23.6	28.6	14	52.8	M8



### R0779 Aggancia sgancia a due fasi

#### Two-phase latch lock



**Descrizione:**

**Esempio di ordinativo: R0779-08-0001**

Nota: è necessario montare simmetricamente un minimo di 2 aggancia sgancia nello stampo, altrimenti le parti potrebbero rompersi a causa dello sbilanciamento di forza dei due lati.

**Description:**

**Example of purchasing order: R0779-08-0001**

Note: a minimum of 2 latch locks must be mounted symmetrically in the mould. Otherwise the parts could break due to the unbalanced force of the two sides.

Codice Code	Tipo Type	S max	B	H	L	L1	L6			
							0	25	50	75
R0779-08	1	96	50	22.3	146	146	0001	0002	0003	0004
R0779-08	2	121	75	30.3	196	196	0005	0006	0007	0008
R0779-08	2	159	90	37.5	246	246	0009	0010	0011	0012

**Tabella dimensioni**

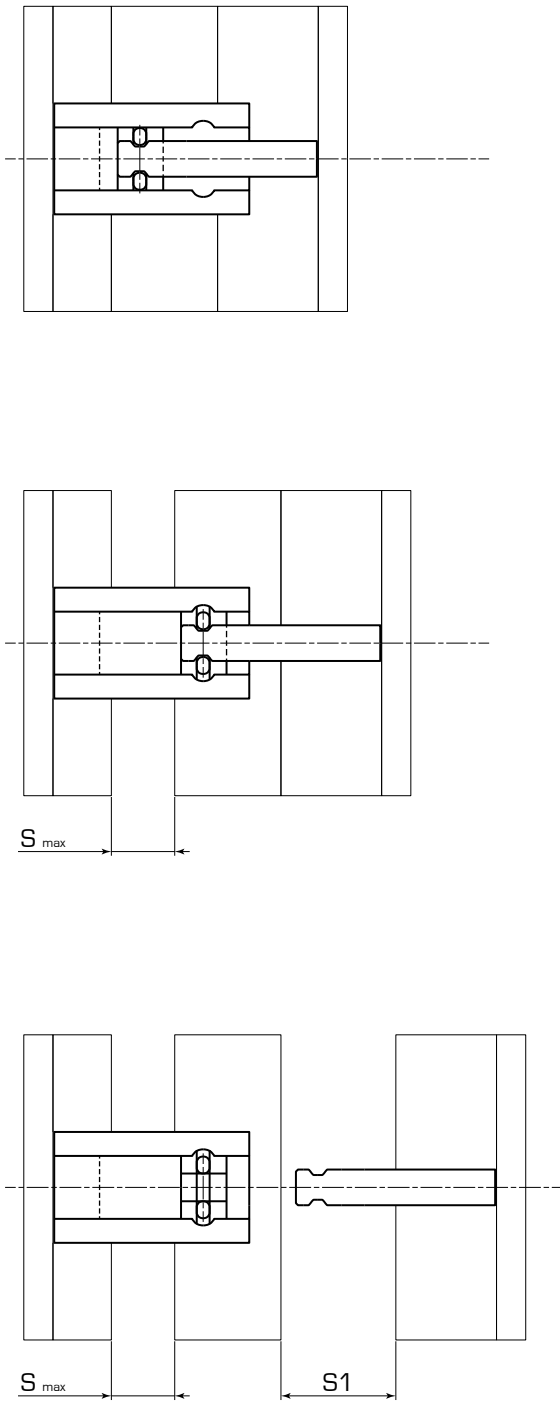
**Dimensions table**

Tipo Type	B	H	H1	S max	H2	B1	L2	B2	L3	L7	B4	L	L1	L4	B3	L5	H3	Spina Dowel pin	Vite Screw
1	50	22.3	9.3	96	17.5	30	20	40	10	10	0	146	146	10	15	21	16	Ø5x16	M4x12
2	75	30.3	12.3	121	23.5	45	30	65	20	15	56	196	196	15	20	31	21	Ø5x20	M8x16
2	90	37.5	15.5	159	29	60	36	74	25	15	74	246	246	18	25	38	27	Ø6x20	M8x20

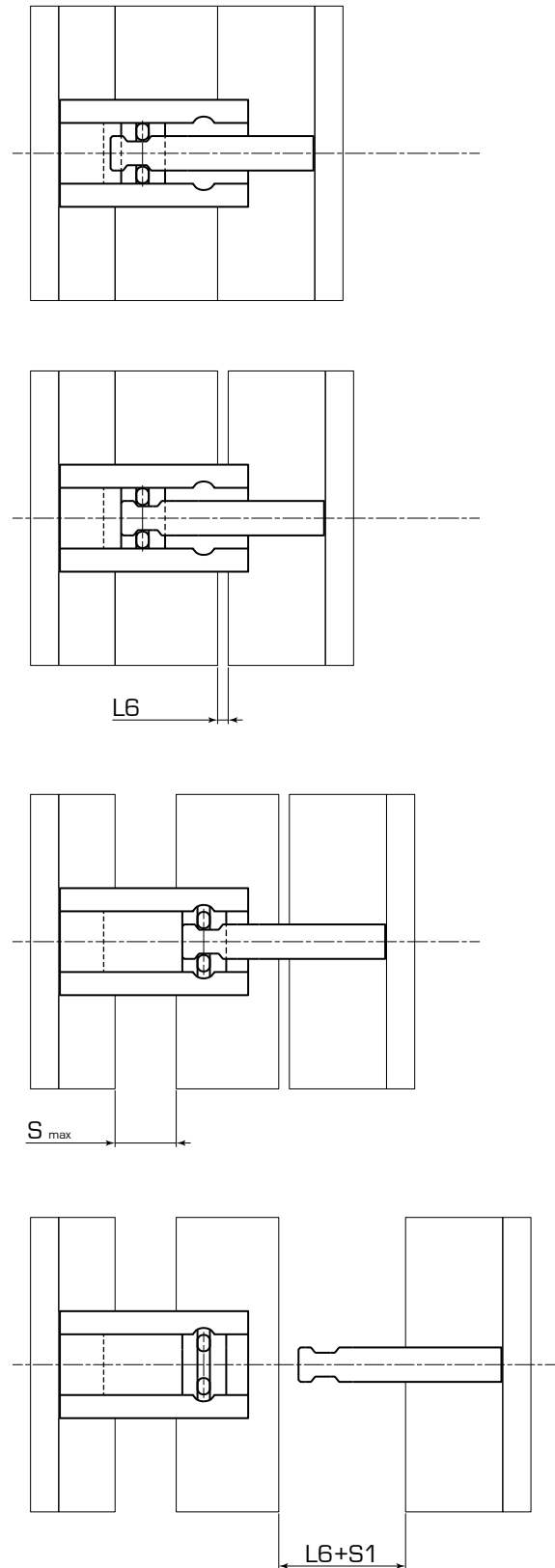
**R0779**

Aggancia sgancia a due fasi  
 Two-phase latch lock

Metodo di installazione per  $L6=0$   
 Installation method for  $L6=0$

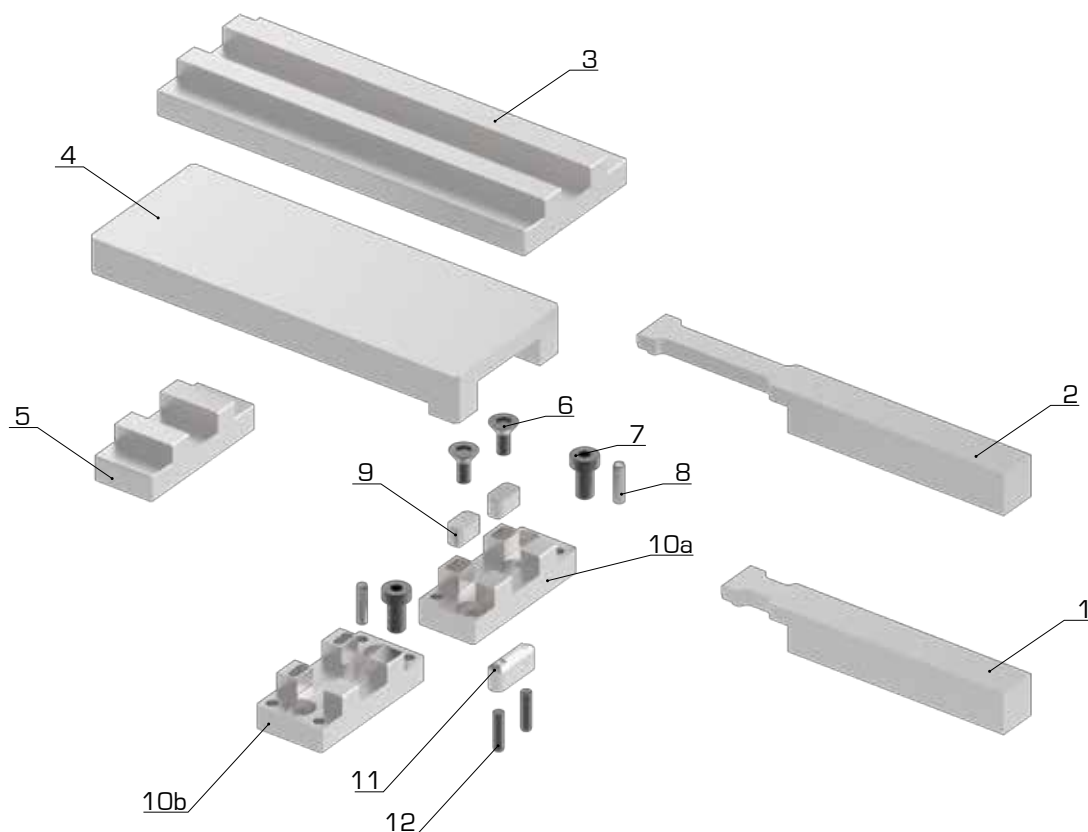


Metodo di installazione per  $L6>0$   
 Installation method for  $L6>0$



### R0779 Aggancia sgancia a due fasi

#### Two-phase latch lock



#### Descrizione:

##### Parti e Materiali:

- 1 - Inserto: 1.2379, 55-58 HRC
- 2 - Inserto: 1.2379, 55-58 HRC
- 3 - Spacer: 1.1730
- 4 - Corpo: 1.2738, ≈ 900 HV
- 5 - Spacer: 1.1730
- 6 - Viti testa svasata DIN 7991-A
- 7 - Viti testa cilindrica DIN 912
- 8 - Spina DIN 6325
- 9 - Tappo: 1.2379, 58-62 HRC
- 10a - Base tappo Tipo 1: 1.2738, 28-38 HRC
- 10b - Base tappo Tipo 2: 1.2738, 28-38 HRC
- 11 - Tappo: 1.2379, 58-62 HRC
- 12 - Molla

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

#### Description:

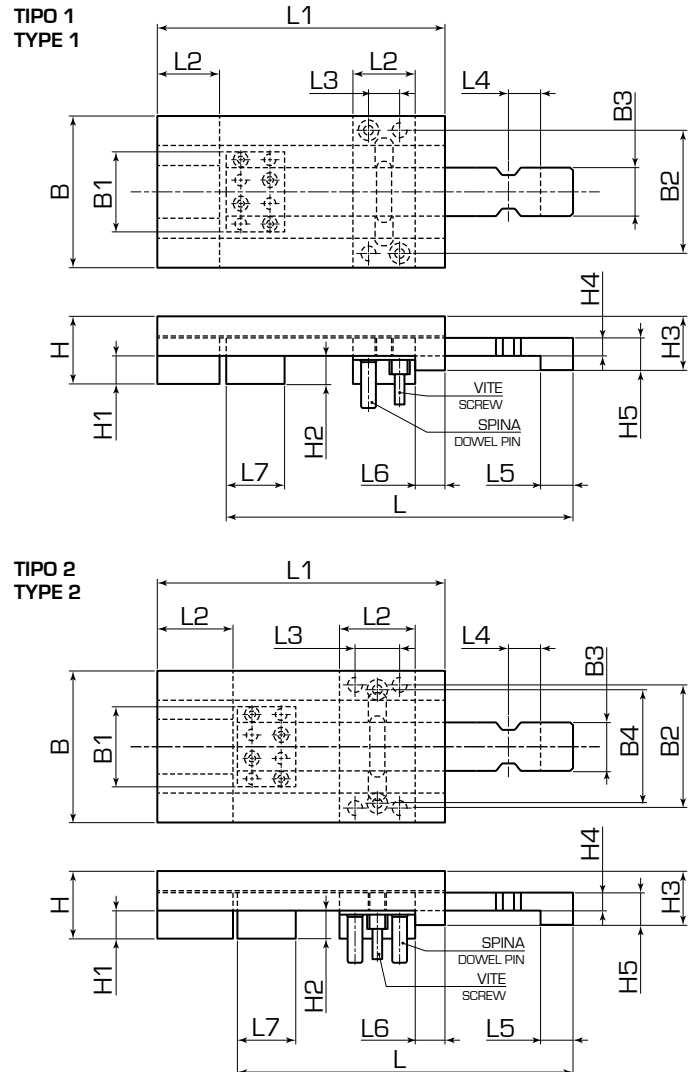
##### Parts and Materials:

- 1 - Insert: 1.2379, 55-58 HRC
- 2 - Insert: 1.2379, 55-58 HRC
- 3 - Spacer: 1.1730
- 4 - Body: 1.2738, ≈ 900 HV
- 5 - Spacer: 1.1730
- 6 - Countersunk head screw DIN 7991-A
- 7 - Cylindrical head screw DIN 912
- 8 - Dowel pin DIN 6325
- 9 - Catch: 1.2379, 58-62 HRC
- 10a - Latch housing Type 1: 1.2738, 28-38 HRC
- 10b - Latch housing Type 2: 1.2738, 28-38 HRC
- 11 - Catch: 1.2379, 58-62 HRC
- 12 - Spring

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.

## R0760

Aggancia sgancia a due fasi  
Two-phase latch lock



### Descrizione:

Nota: è necessario montare simmetricamente un minimo di 2 aggancia sgancia nello stampo, altrimenti le parti potrebbero rompersi a causa dello sbilanciamento di forza dei due lati.

### Description:

Note: a minimum of 2 latch locks must be mounted symmetrically in the mould. Otherwise the parts could break due to the unbalanced force of the two sides.

Codice Code	Tipo Type	L	B	H	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	H1	H2	H3	H4	Spina Dowel pin	Vite Screw	H5
R0760-08-0001	1	146	50	22.3	146	20	10	10	10	10	30	30	40	15	-	9.3	9.2	17.5	6.8	ø5x16	M4x12	9.6
R0760-08-0002	2	196	75	30.3	196	30	20	15	12	15	45	45	65	20	56	12.3	12.2	23.5	8.8		M8x16	12
R0760-08-0003		246	90	37.5	246	36	25	18	15	15	60	60	74	25	74	15.5	15.3	29	11.8	ø6x20	M8x20	15

### Dati tecnici

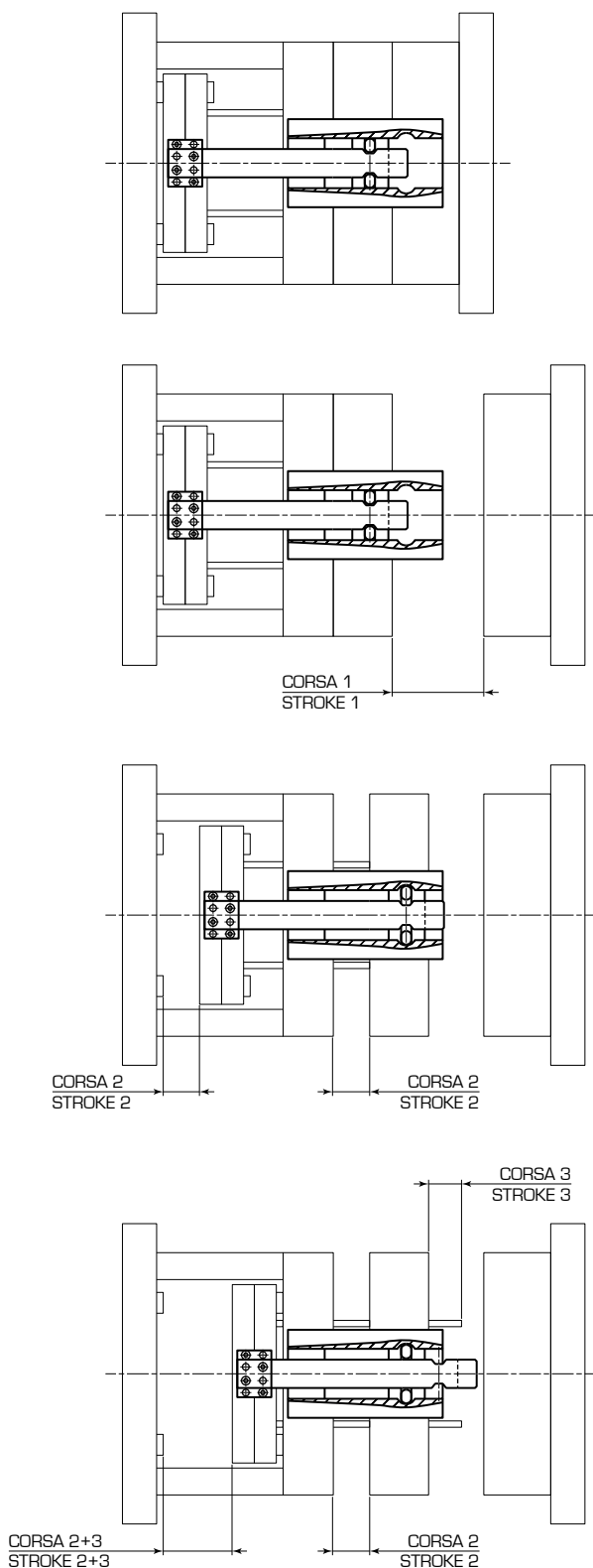
### Technical data

Codice Code	Dimensione massima stampo Max. mould dimension (mm)	Corsa minima Min. stroke (mm)	Corsa massima Max. stroke (mm)	Forza di tensione massima Max. tension force (kN)	Forza di bloccaggio massima Max. locking force (kN)
R0760-08-0001	196x196	4.0	96 ÷ 91	10	1
R0760-08-0002	296x296	5.5	121 ÷ 116	30	3
R0760-08-0003	596x596	7.0	159 ÷ 154	40	4

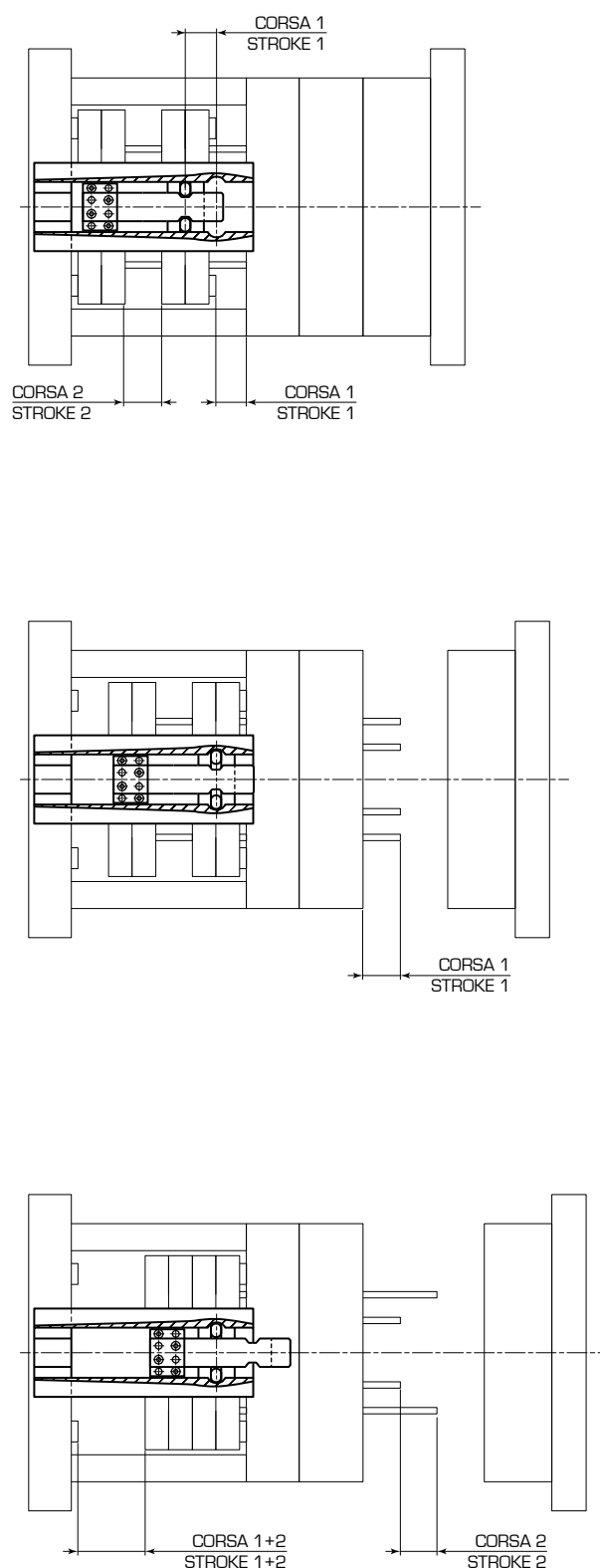
### R0760

Aggancia sgancia a due fasi  
Two-phase latch lock

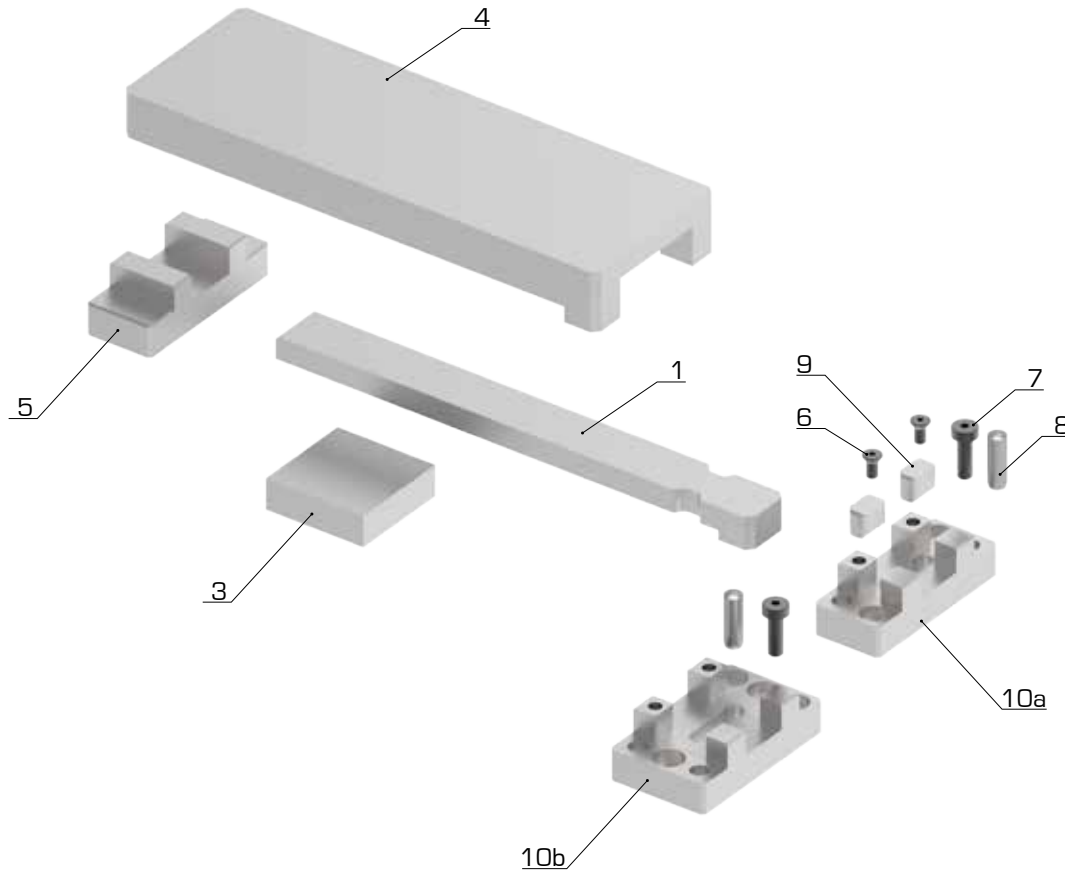
Metodo di installazione 1  
1<sup>st</sup> Installation method



Metodo di installazione 2  
2<sup>nd</sup> Installation method



**R0760** Aggancia sgancia a due fasi  
Two-phase latch lock



**Descrizione:**

Parti e Materiali:

- 1 - Inserto: 1.2379, 55-58 HRC
- 3 - Spacer: 1.1730
- 4 - Corpo: 12738, ≈900 HV
- 5 - Spacer: 1.1730
- 6 - Viti testa svasata DIN 7991-A
- 7 - Viti testa cilindrica DIN 912
- 8 - Spina DIN 6325
- 9 - Tappo: 1.2379, 58-62 HRC
- 10a - Base tappo Tipo 1: 1.2738, 28-38 HRC
- 10b - Base tappo Tipo 2: 1.2738, 28-38 HRC

**Description:**

Parts and Materials:

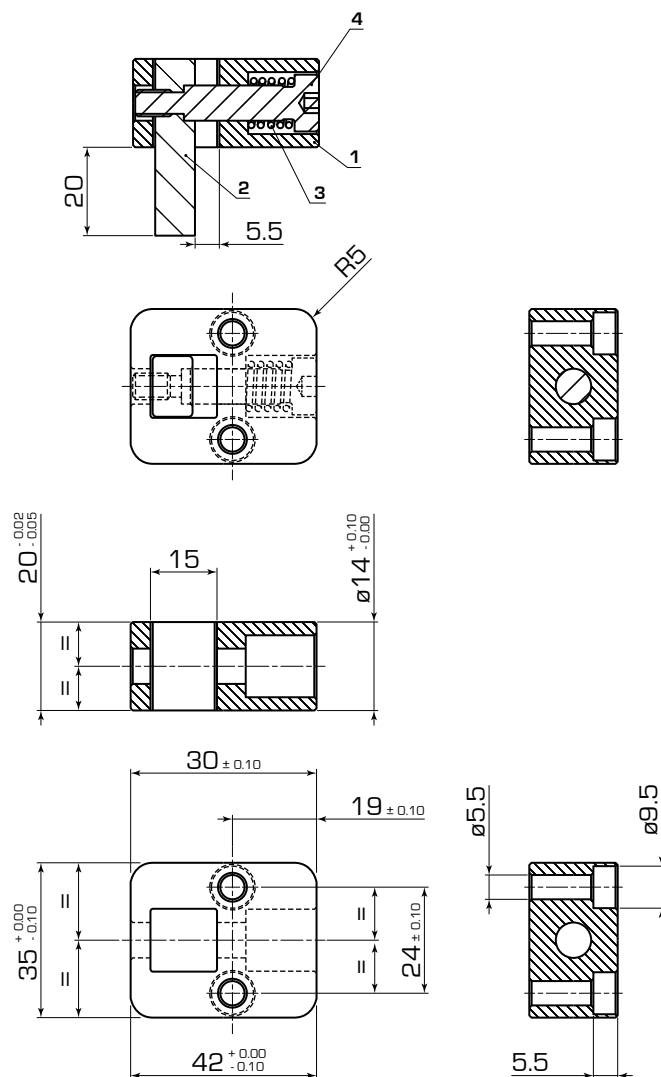
- 1 - Insert: 1.2379, 55-58 HRC
- 3 - Spacer: 1.1730
- 4 - Body: 12738, ≈900 HV
- 5 - Spacer: 1.1730
- 6 - Countersunk head screw DIN 7991-A
- 7 - Cylindrical head screw DIN 912
- 8 - Dowel pin DIN 6325
- 9 - Catch: 1.2379, 58-62 HRC
- 10a - Latch housing Type 1: 1.2738, 28-38 HRC
- 10b - Latch housing Type 2: 1.2738, 28-38 HRC

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.



**R0772** Sistema di sicurezza chiusura stampo  
Safety device for mould closing



**Descrizione:**

Parti e Materiali:

- 1 - Blocchetto: 1.2085
- 2 - Perno di bloccaggio: 1.2085
- 3 - Molla
- 4 - Vite a colletto: R0160-01-0034

**Description:**

Parts and Materials:

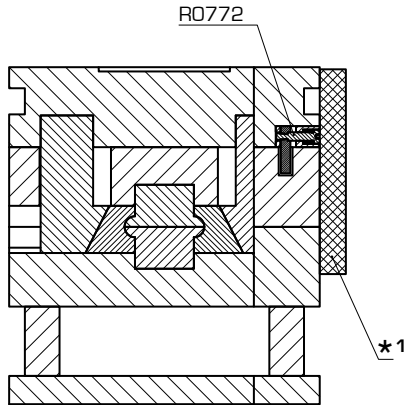
- 1 - Block: 1.2085
- 2 - Locking pin: 1.2085
- 3 - Spring
- 4 - Shouldered screw: R0160-01-0034

Codice  
Code

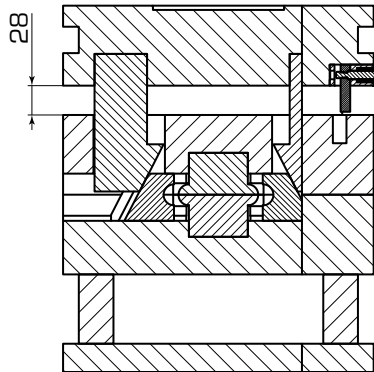
R0772-08-0001

**R0772** Sistema di sicurezza chiusura stampo  
 Safety device for mould closing

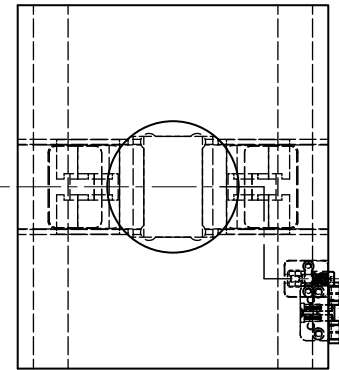
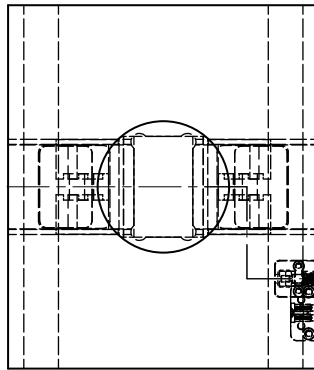
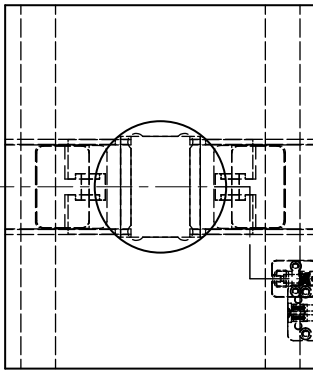
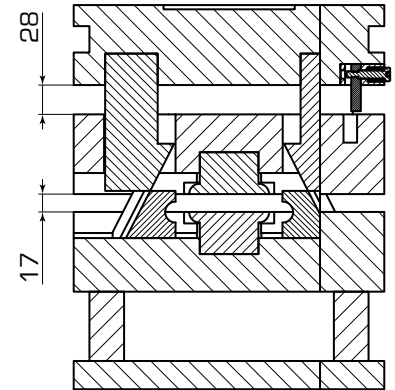
Stampo chiuso  
 Closed mould



Stampo aperto, prima fase  
 Open mould, first phase



Stampo aperto, seconda fase  
 Open mould, second phase

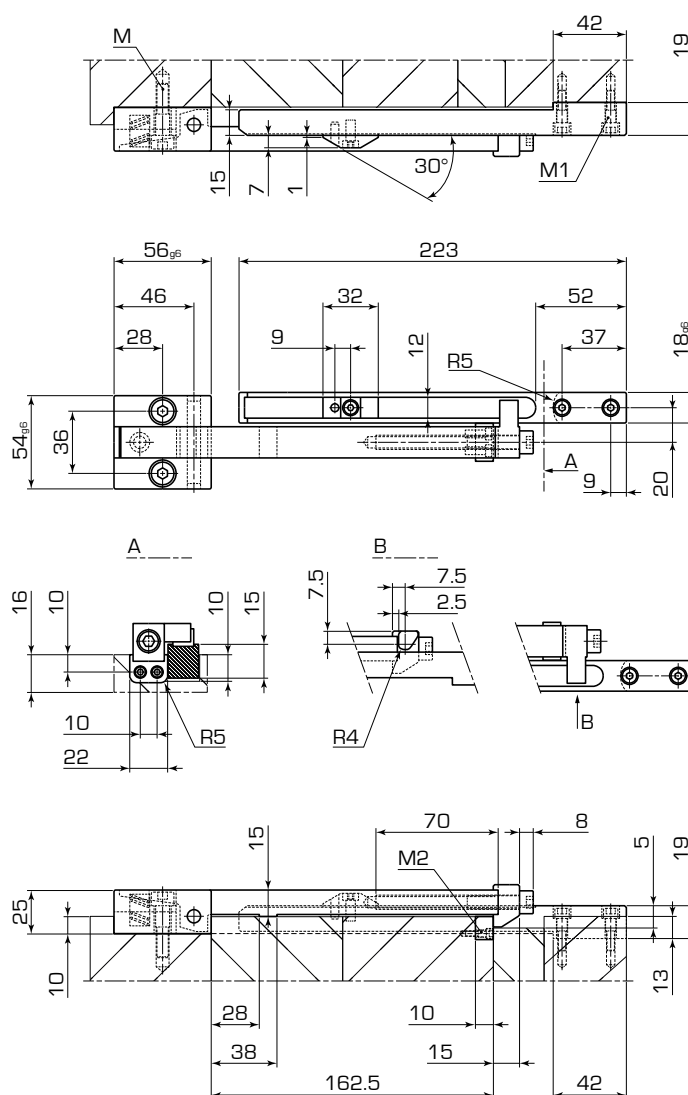


- \*1 - Coperchio aggancia/sgancia
- \*2 - Rimozione coperchio aggancia/sgancia

- \*1 - Lacth lock cover
- \*2 - Lacth lock cover removal

### R0761 Aggancia sgancia, destro e sinistro

#### Latch lock, right and left version



**Descrizione:**

Esempio di ordinativo: R0761-08-0001

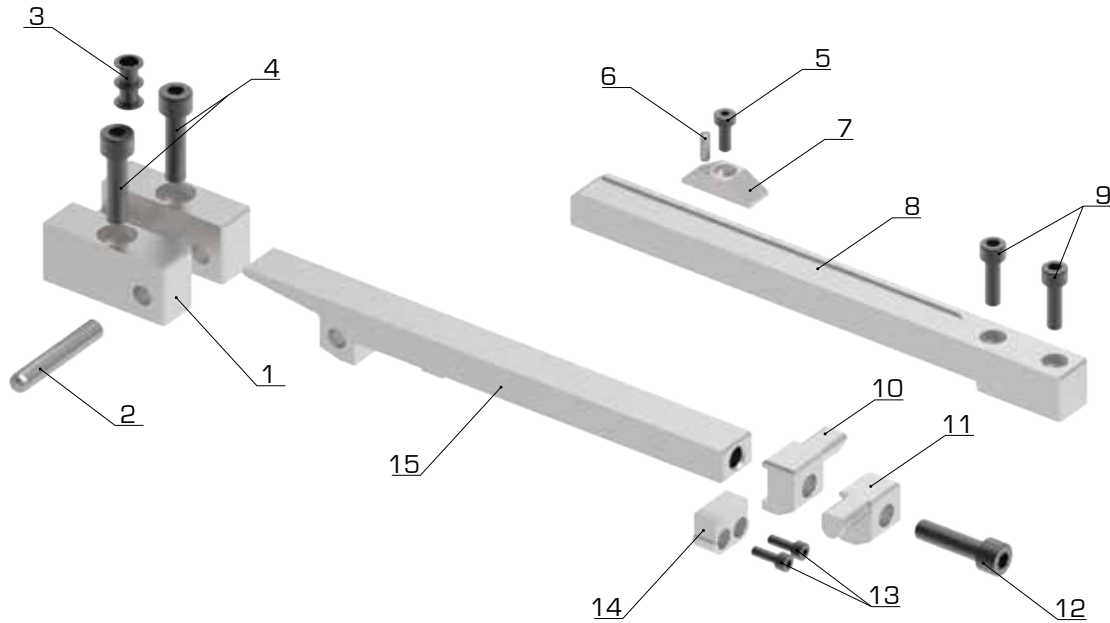
**Description:**

Example of purchasing order: R0761-08-0001

Codice Code	M	M1	M2	Tipo Type	
				Destro Right	Sinistro Left
R0761-08-	M8 x 30	M6 x 20	M4 x 12	0001	0002

R0761

Aggancia sgancia, destro e sinistro  
Latch lock, right and left version



Descrizione:

Parti e Materiali:

- 1 - 1.2379, 50-58 HRC
- 2 - Ø8x50 1.3505, 58-62 HRC
- 3 - Molla
- 4 - M8x30
- 5 - M5x12
- 6 - Ø4x12
- 7 - 1.2379, 58-62 HRC
- 8 - 1.2311, 26-33 HRC
- 9 - M6x20
- 10 - 1.2344, 50-54 HRC (R0761-08-0001)
- 11 - 1.2344, 50-54 HRC (R0761-08-0002)
- 12 - M8x30
- 13 - M4x12
- 14 - 1.1730, 40-45 HRC
- 15 - 1.2311, 26-33 HRC

Description:

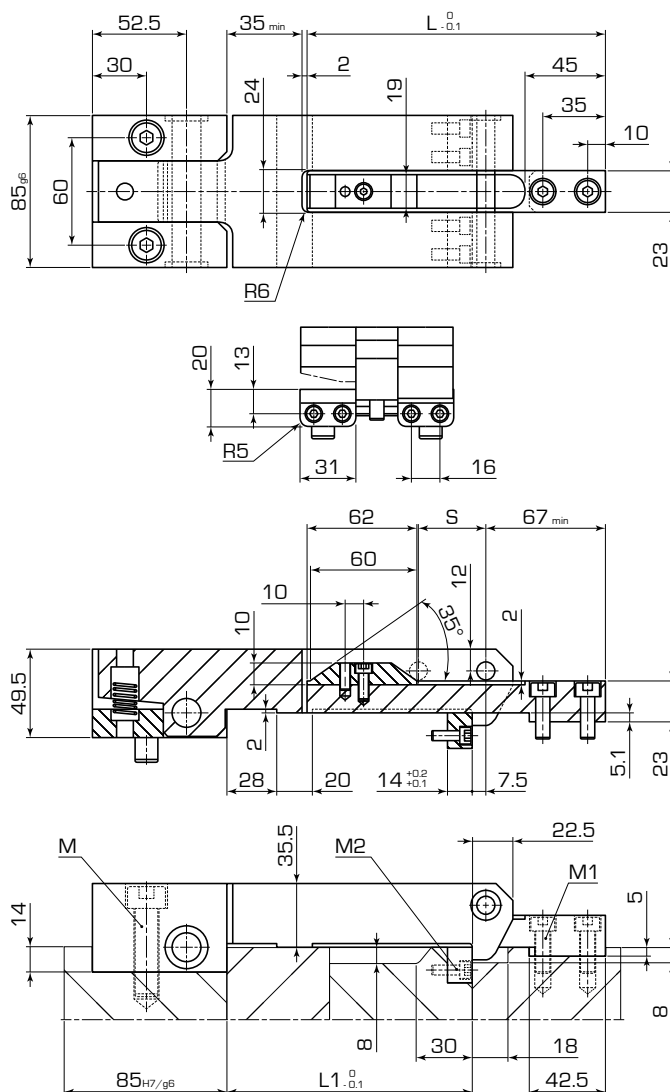
Parts and Materials:

- 1 - 1.2379, 50-58 HRC
- 2 - Ø8x50 1.3505, 58-62 HRC
- 3 - Spring
- 4 - M8x30
- 5 - M5x12
- 6 - Ø4x12
- 7 - 1.2379, 58-62 HRC
- 8 - 1.2311, 26-33 HRC
- 9 - M6x20
- 10 - 1.2344, 50-54 HRC (R0761-08-0001)
- 11 - 1.2344, 50-54 HRC (R0761-08-0002)
- 12 - M8x30
- 13 - M4x12
- 14 - 1.1730, 40-45 HRC
- 15 - 1.2311, 26-33 HRC

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.

### R0762 Aggancia sgancia Latch lock



**Descrizione:**

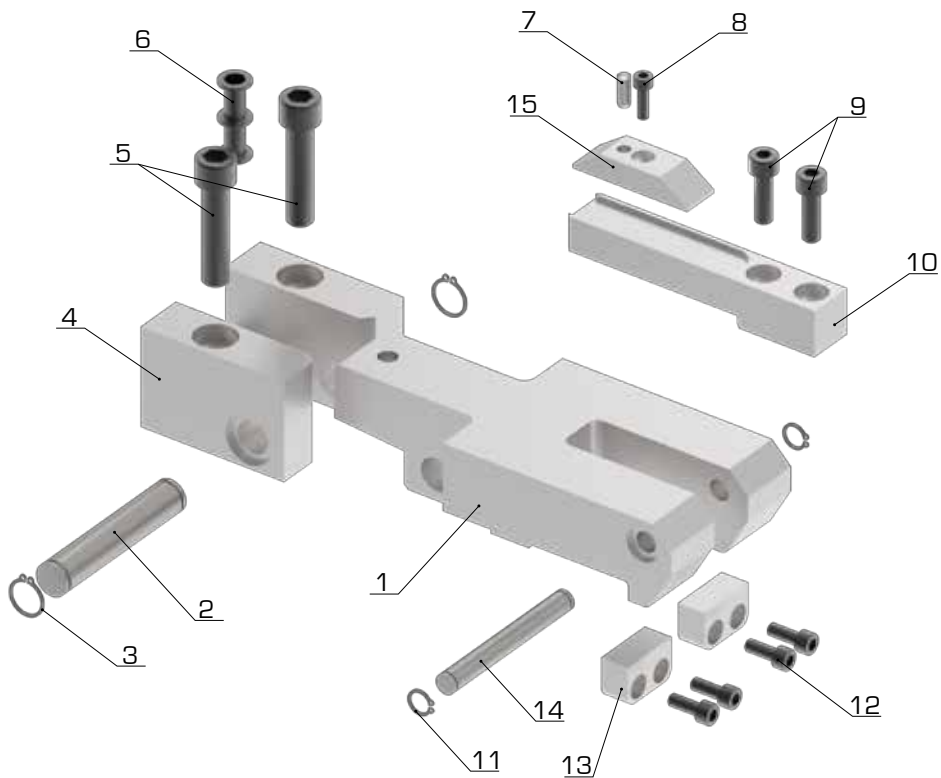
Esempio di ordinativo: R0762-08 x L x L1 x S

**Description:**

Example of purchasing order: R0762-08 x L x L1 x S

Codice Code	Apertura stampo Opening mould distance S (mm)	L min. = S+130 (mm)	L1 min. = S+100 (mm)	M	M1	M2
R0762-08				M12 x 50	M8 x 25	M6 x 16

**R0762** Aggancia sgancia  
Latch lock



**Descrizione:**

Parti e Materiali:

- 1 - 1.2311, 26-33 HRC
- 2 - Ø16x50 1.2344, 50-54 HRC
- 3 - Anello Seeger DIN 471
- 4 - 1.2379, 50-58 HRC
- 5 - M12x50
- 6 - Molla
- 7 - Ø6x16
- 8 - M5x16
- 9 - M8x25
- 10 - 1.2311, 26-33 HRC
- 11 - Anello Seeger DIN 471
- 12 - M6x16
- 13 - 1.1730, 40-45 HRC
- 14 - Ø10x85
- 15 - 1.2379, 50-58 HRC

**Description:**

Parts and Materials:

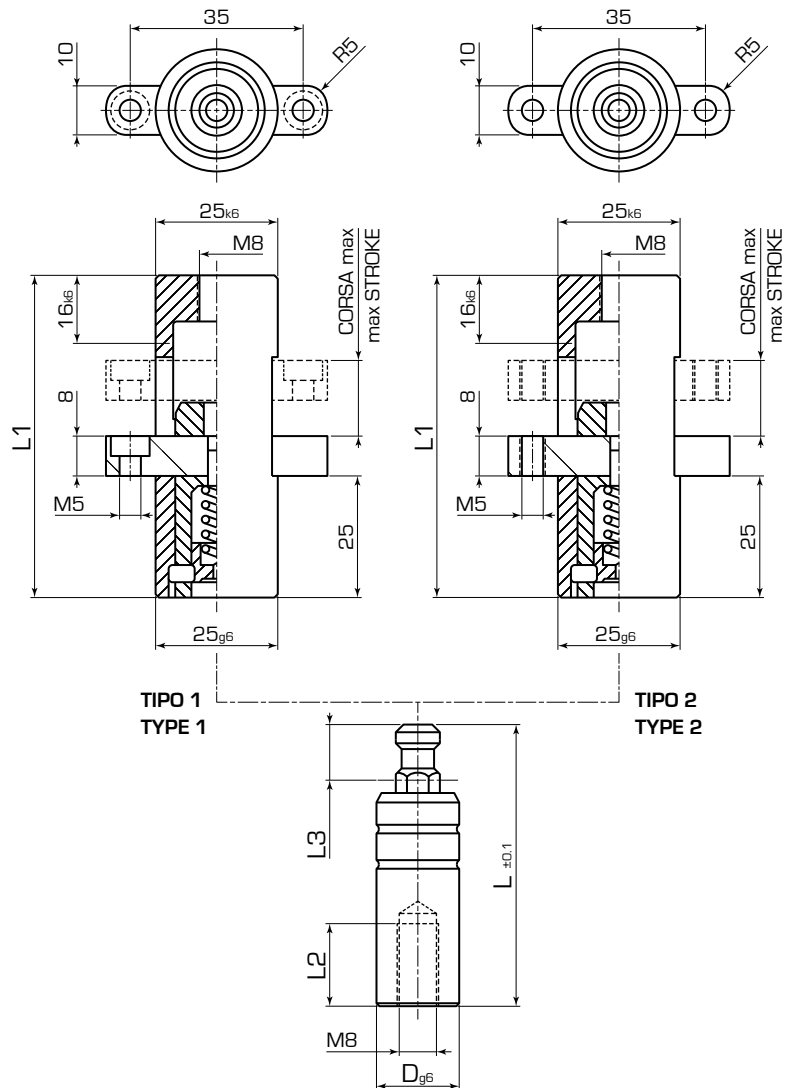
- 1 - 1.2311, 26-33 HRC
- 2 - Ø16x50 1.2344, 50-54 HRC
- 3 - Seeger ring DIN 471
- 4 - 1.2379, 50-58 HRC
- 5 - M12x50
- 6 - Spring
- 7 - Ø6x16
- 8 - M5x16
- 9 - M8x25
- 10 - 1.2311, 26-33 HRC
- 11 - Seeger ring DIN 471
- 12 - M6x16
- 13 - 1.1730, 40-45 HRC
- 14 - Ø10x85
- 15 - 1.2379, 50-58 HRC

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.

### R0763

Aggancia sgancia interno, completo di asta  
Internal latch lock with pin



**Descrizione:**

Esempio di ordinativo: R0763-08-0001

Nota: l'articolo viene fornito completo di nucleo centrale, asta e viti di fissaggio.

**Description:**

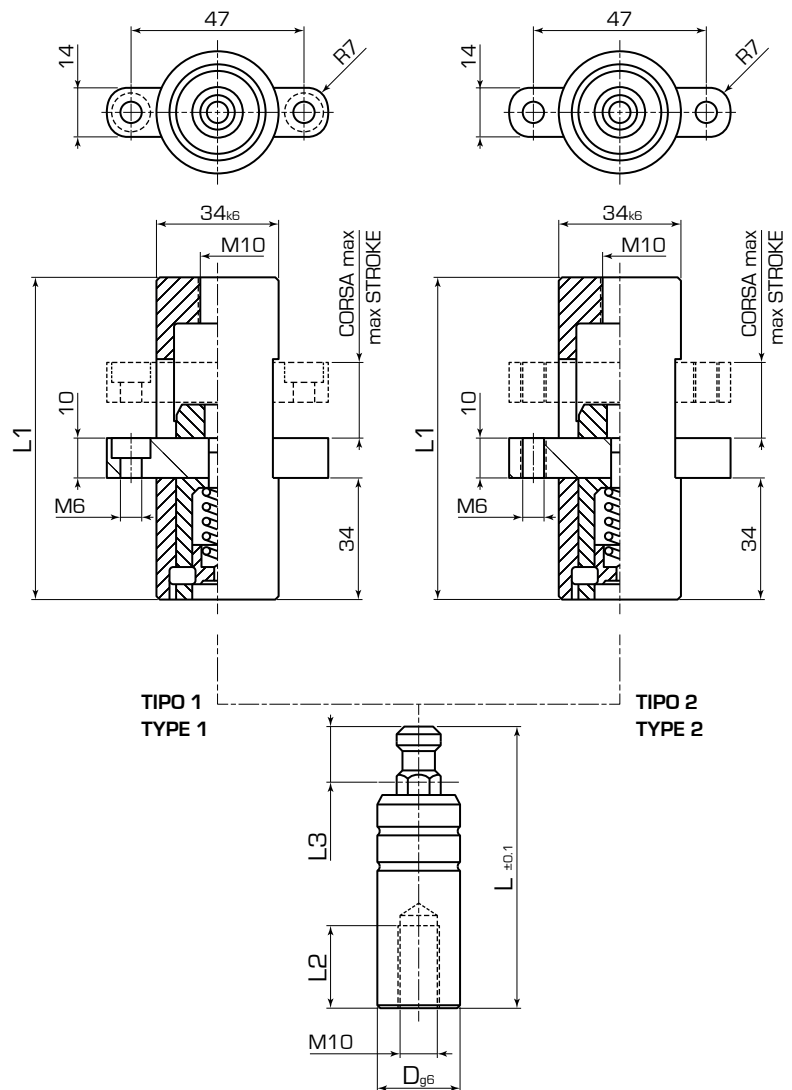
Example of purchasing order: R0763-08-0001

Note: the item is supplied complete with central core, shaft and fixing screws.

Codice Code	Corsa max. max Stroke	Tipo Type	D	L1	L2	L3	L							
							45	70	100	125	150			
R0763-08	16	1	17	66	20	10.8	0001							
R0763-08	16	2	17	66	20	10.8	0002							
R0763-08	16	1	17	66	40	10.8		0003	0005					
R0763-08	16	2	17	66	40	10.8		0004	0006					
R0763-08	40	1	17	90	40	10.8			0007	0009				
R0763-08	40	2	17	90	40	10.8			0008	0010				
R0763-08	60	1	17	110	40	10.8				0011	0013			
R0763-08	60	2	17	110	40	10.8				0012	0014			

### R0763

Aggancia sgancia interno, completo di asta  
Internal latch lock with pin



**Descrizione:**

Esempio di ordinativo: **R0763-08-0015**

Nota: l'articolo viene fornito completo di nucleo centrale, asta e viti di fissaggio.

**Description:**

Example of purchasing order: **R0763-08-0015**

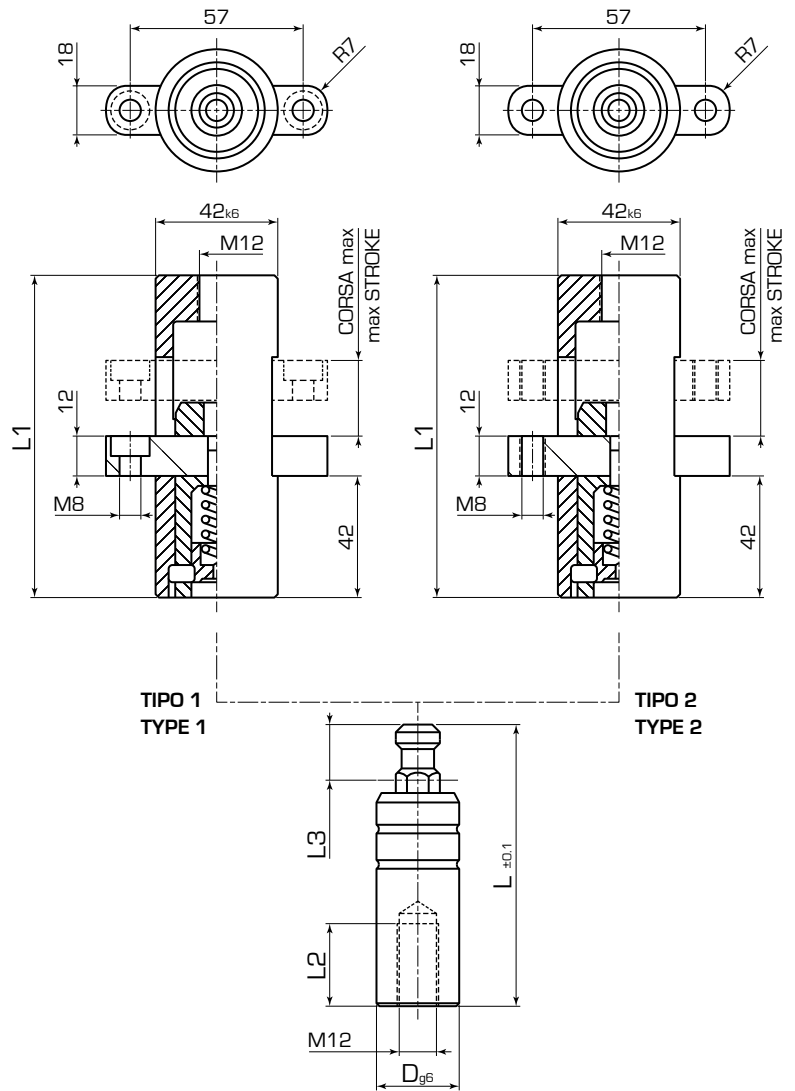
Note: the item is supplied complete with central core, shaft and fixing screws.

Codice Code	Corsa max. max Stroke	Tipo Type	D	L1	L2	L3	L				
							75	120	170	220	270
R0763-08	25	1	25	86	40	14.25	0015	0017	0019		
R0763-08	25	2	25	86	40	14.25	0016	0018	0020		
R0763-08	50	1	25	111	40	14.25		0021	0023		
R0763-08	50	2	25	111	40	14.25		0022	0024		
R0763-08	75	1	25	136	40	14.25		0025	0027		
R0763-08	75	2	25	136	40	14.25		0026	0028		
R0763-08	100	1	25	161	40	14.25				0029	0031
R0763-08	100	2	25	161	40	14.25				0030	0032
R0763-08	125	1	25	186	40	14.25				0033	0035
R0763-08	125	2	25	186	40	14.25				0034	0036
R0763-08	150	1	25	211	40	14.25				0037	0039
R0763-08	150	2	25	211	40	14.25				0038	0040



### R0763

Aggancia sgancia interno, completo di asta  
Internal latch lock with pin



**Descrizione:**

Esempio di ordinativo: R0763-08-0041

Nota: l'articolo viene fornito completo di nucleo centrale, asta e viti di fissaggio.

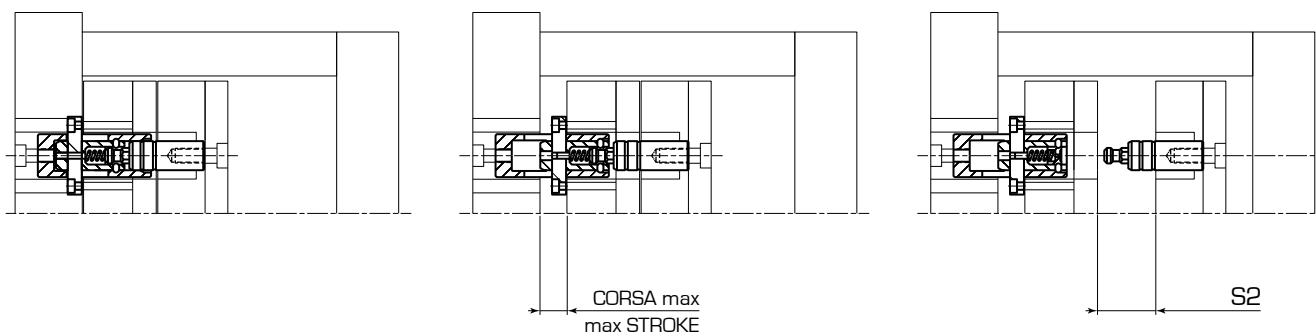
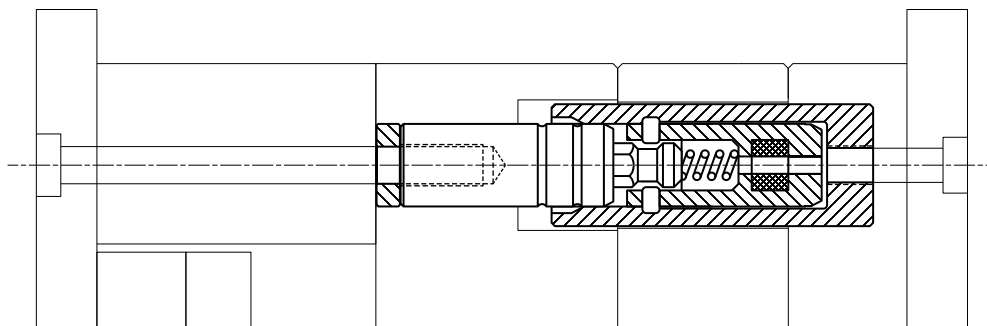
**Description:**

Example of purchasing order: R0763-08-0041

Note: the item is supplied complete with central core, shaft and fixing screws.

Codice Code	Corsa max. max Stroke	Tipo Type	D	L1	L2	L3	L				
							125	175	225	275	325
R0763-08	50	1	30	130	50	18.4	0041	0043	0045		
R0763-08	50	2	30	130	50	18.4	0042	0044	0046		
R0763-08	75	1	30	155	50	18.4		0047	0049		
R0763-08	75	2	30	155	50	18.4		0048	0050		
R0763-08	100	1	30	180	50	18.4		0051	0053		
R0763-08	100	2	30	180	50	18.4		0052	0054		
R0763-08	125	1	30	205	50	18.4				0055	0057
R0763-08	125	2	30	205	50	18.4				0056	0058
R0763-08	150	1	30	230	50	18.4				0059	0061
R0763-08	150	2	30	230	50	18.4				0060	0062
R0763-08	175	1	30	255	50	18.4				0063	0065
R0763-08	175	2	30	255	50	18.4				0064	0066

**R0763** Aggancia sgancia interno, completo di asta  
Internal latch lock with pin



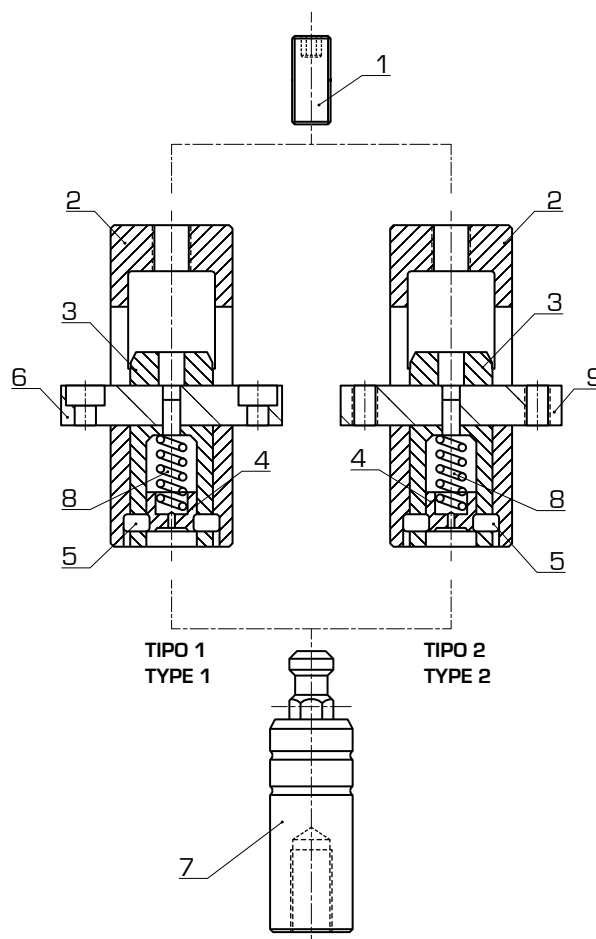
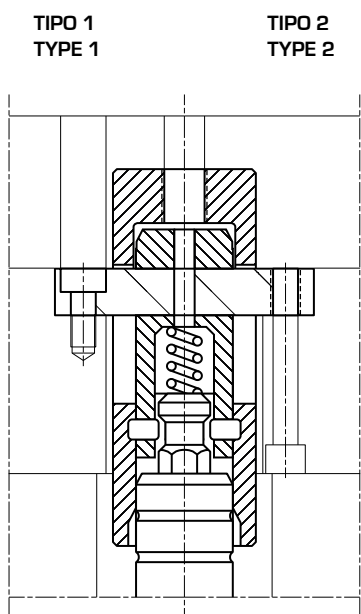
In figura sono rappresentati i due metodi di applicazione: in alto assemblato come aggancia sgancia interno e in basso come unità di movimentazione a due fasi.

The figure shows the two applications methods: at the top the item has been assembled as an internal latch lock, at the bottom as a two-phase handling unit.

### R0763 Aggancia sgancia interno, completo di asta

#### Internal latch lock with pin

Metodo di fissaggio  
Fixing method



#### Descrizione:

Parti e Materiali:

- 1 - Vite senza testa
- 2 - Corpo: 1.2344, 48-52 HRC
- 3 - Pistone: 1.2344, 52±2 HRC
- 4 - Bussola di sicurezza: 1.2379, 55-58 HRC
- 5 - Blocco anti-rotazione: 1.2379, 58-62 HRC
- 6 - Fissaggio pistone Tipo 1: 1.2344, 52±2 HRC
- 7 - Asta: 1.3505, 55-62 HRC
- 8 - Molla
- 9 - Fissaggio pistone Tipo 2: 1.2344, 52±2 HRC

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

#### Description:

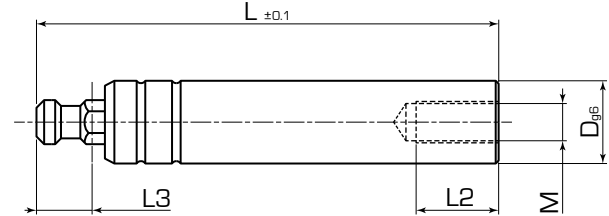
Parts and Materials:

- 1 - Headless screw
- 2 - Body: 1.2344, 48-52 HRC
- 3 - Piston: 1.2344, 52±2 HRC
- 4 - Safety bush: 1.2379, 55-58 HRC
- 5 - Anti-rotation block: 1.2379, 58-62 HRC
- 6 - Type 1 piston fastening: 1.2344, 52±2 HRC
- 7 - Shaft: 1.3505, 55-62 HRC
- 8 - Spring
- 9 - Type 2 piston fastening: 1.2344, 52±2 HRC

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.

### R0773 Asta per aggancia sgancia interno R0763

#### Pin for internal latch lock R0763



Descrizione:

Esempio di ordinativo: R0773-08-0001

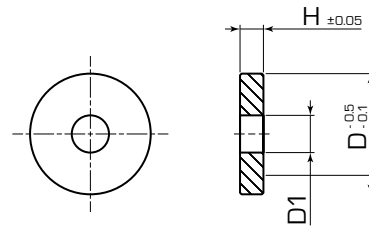
Description:

Example of purchasing order: R0773-08-0001

Codice Code	D	M	L2	L3	L													
					45	70	100	120	125	150	170	175	220	225	270	275	325	
R0773-08	17	M8	20	10.8	0001													
R0773-08	17	M8	40	10.8		0002	0003		0004	0005								
R0773-08	25	M10	40	14.25		0006		0007			0008		0009		0010			
R0773-08	30	M12	50	18.4					0011			0012		0013		0014	0015	

### R0780 Rondella spaziatrice per aggancia sgancia interno R0763

#### Distance washer for internal latch lock R0763



Descrizione:

Esempio di ordinativo: R0780-08-0001

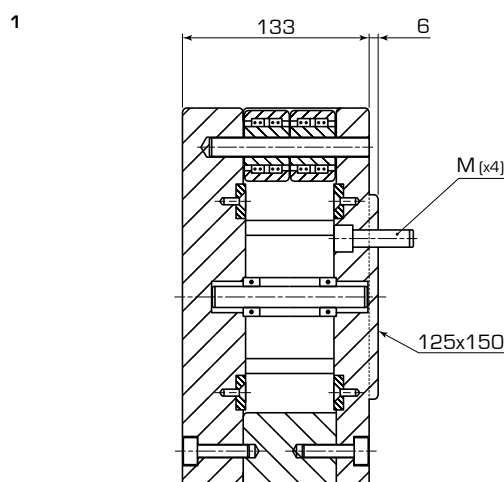
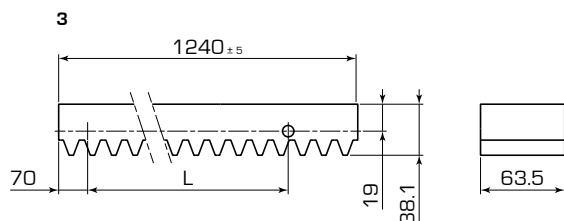
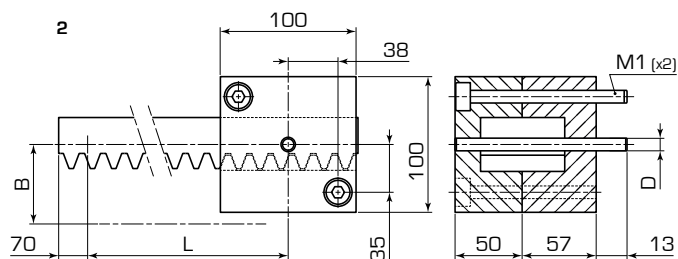
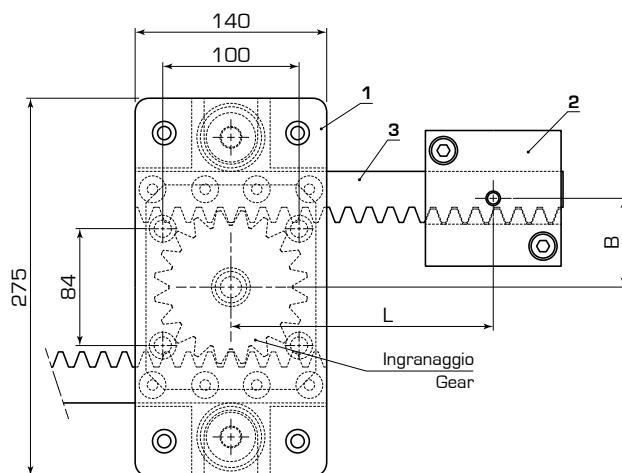
Description:

Example of purchasing order: R0780-08-0001

Codice Code	D1	H	D				
			17	25	30	34	42
R0780-08	8.5	5	0001	0003			
R0780-08	8.5	10	0002	0004			
R0780-08	11	5		0005		0007	
R0780-08	11	10		0006		0008	
R0780-08	13	5			0009		0011
R0780-08	13	10			0010		0012

### R0764 Unità movimentazione per stampi "sandwich"

#### Handling unit for "sandwich" moulds



#### Descrizione:

Parti e Materiali:

1 - Blocco centrale

2 - Attacco piastra (x2): 1.1730 18±2 HRC

3 - Guida dentata (x2)

Nota: è possibile acquistare questi componenti come ricambi solo per gli articoli Ranco. Non rispondiamo di danneggiamenti o malfunzionamenti per installazioni su prodotti compatibili.

#### Description:

Parts and Materials:

1 - Central block

2 - Plate coupling (x2): 1.1730 18±2 HRC

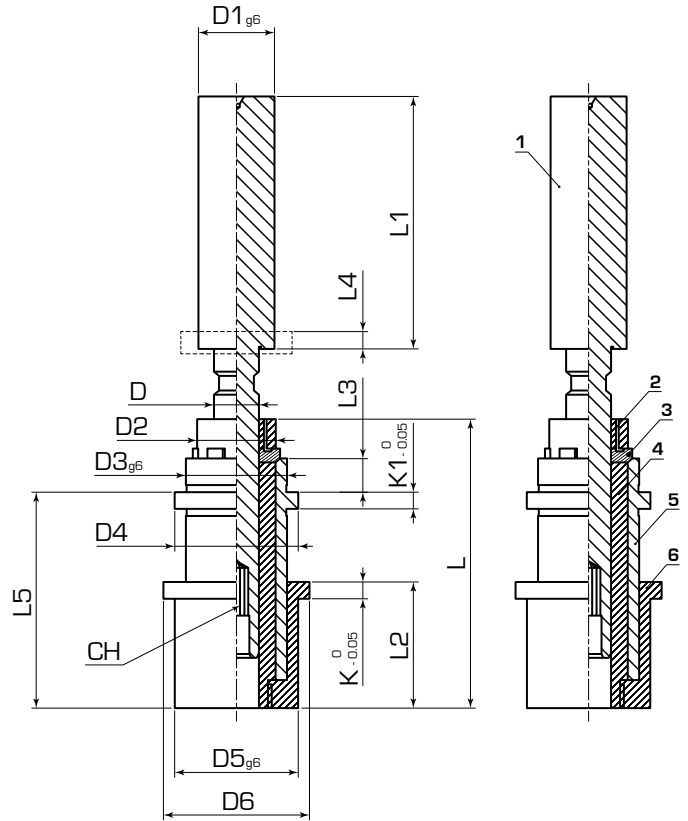
3 - Gear guide (x2)

Note: These components can be purchased as spare parts only for Ranco items. We are not liable for damage or malfunctions for installations on compatible products.

Codice Code	L Distanza massima fine corsa Maximum stroke end distance	B Distanza centro sede ghiera Distance from center rig seat	M	M1	D Spina cilindrica Dowel pin
R0764-08-0001	1124	65.15	M12	M12 x 120	ø10 x 120

### R0765 Movimentazione doppia estrazione interna al tavolino

#### Two stage ejector, extended front movement



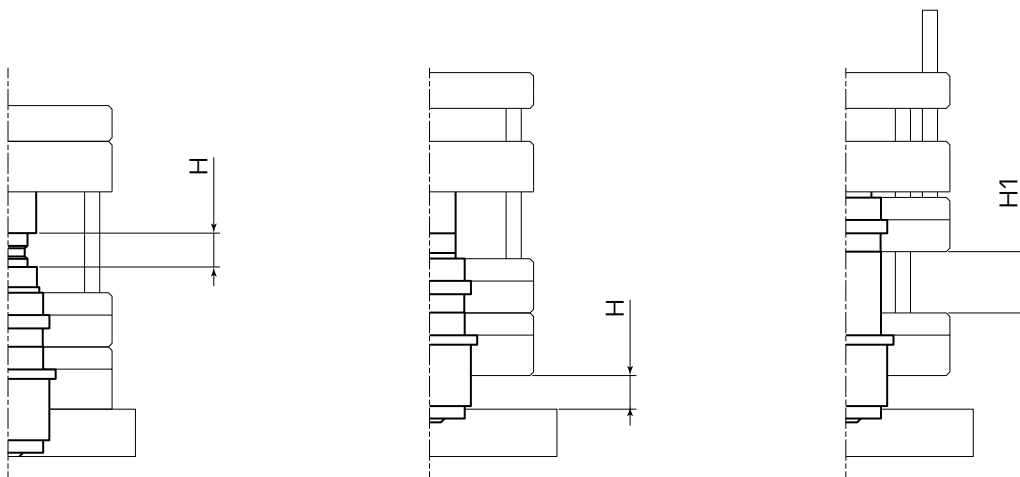
#### Descrizione:

Parti e Materiali:  
 1 - Perno di espulsione: 1.3505  
 2 - Spina: Acciaio  
 3 - Segmento: 1.2363  
 4 - Bussola di scorrimento: 1.3505  
 5 - Bussola di guida: 1.3505  
 6 - Flangia: 1.6582

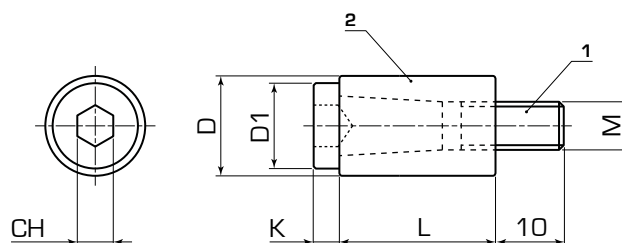
#### Description:

Parts and Materials:  
 1 - Ejector bolt: 1.3505  
 2 - Pin: Steel  
 3 - Segment: 1.2363  
 4 - Sliding bush: 1.3505  
 5 - Guide bush: 1.3505  
 6 - Flange: 1.6582

Codice Code	D	D1	D2	D3	D4	D5	D6	L	L1	L2	L3	L4	L5	K	K1	CH	Hmin	Hmax	H1min	H1max	Dimensione massima stampo Max mould dimensions	Carico Statico Static Load (KN)	Carico Dinamico Dynamic Load (KN)
R0765-08-0001	16	27	28	36	44	44	52	103	90	45	12	5	77	6	6	8	6	76	3	76	246x496	8	0.8
R0765-08-0002	20	32	34	43	51	51	59	134	100	59	17	6	101	7	7	10	8	96	4	96	346x696	18	1.3
R0765-08-0003	26	42	43	54	63	64	73	168	150	74	22	7	126	8	8	14	10	130	5	130	396x796	28	2.3



### R0345 Trascinatore - PL Parting lock - PL



#### Descrizione:

Parti e Materiali:

1 - Vite conica: 1.7220

2 - Resina: Nylon

Temperatura max. di esercizio: 80 °C

#### Description:

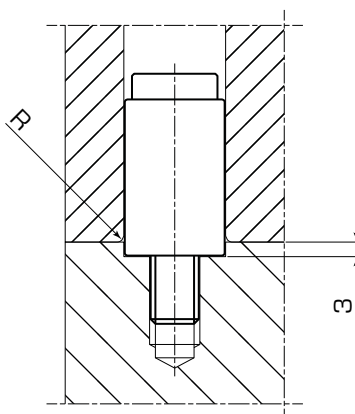
Parts and Materials:

1 - Conical screw: 1.7220

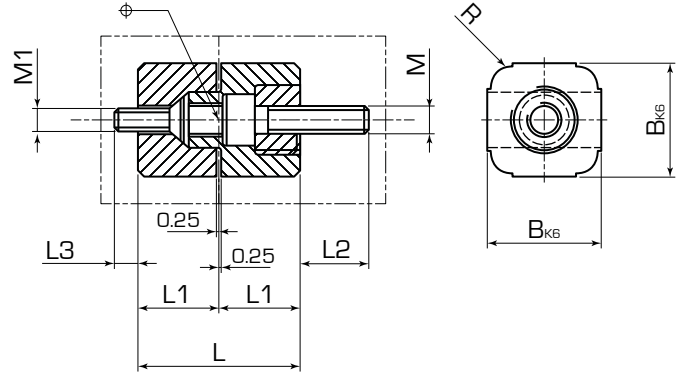
2 - Resin: Nylon

Max. working temperature: 80 °C

Codice Code	D	D1	L	K	CH	M
R0345-08-0001	10	8.5	18	3	4	M5
R0345-08-0002	13	11.5	20	3.2	5	M6
R0345-08-0003	16	14	25	4	6	M8
R0345-08-0004	20	18	30	4	8	M10



## R0321 Centraggio quadro - R08 Square centering unit - R08



### Descrizione:

Materiale: 1.2343, 52-54 HRC

### Description:

Material: 1.2343, 52-54 HRC

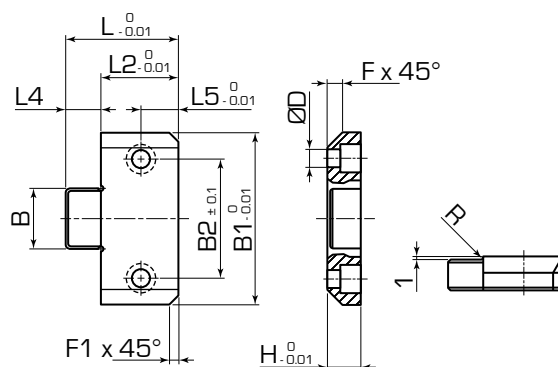
Codice Code	M	M1	L	L1	L2	L3	R	B
R0321-08-0001	M5	M4	28	14	12	4	4	20
R0321-08-0002	M6	M5	32	16	13	8	5	25
R0321-08-0003	M8	M6	36	18	15	12	6	32
R0321-08-0004	M10	M8	45	22.5	17	10	6	40



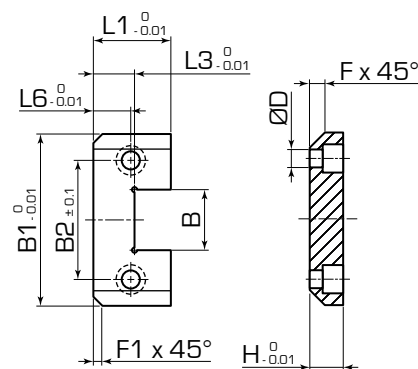
## R0330 Centraggio dritto - RFW45 Straight centering unit - RFW45



MASCHIO  
MALE



FEMMINA  
FEMALE



**Descrizione:**

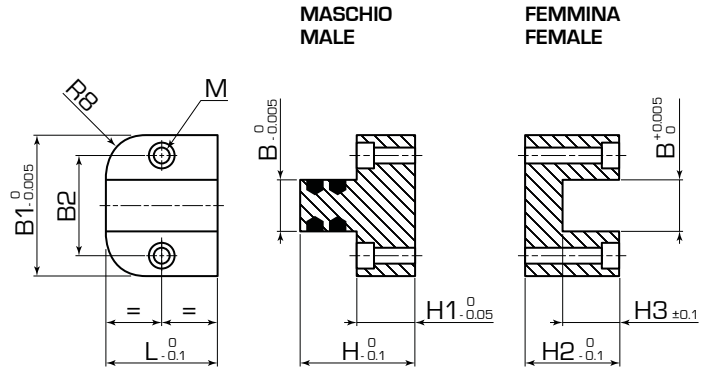
Materiale: 1.7131, 52-56 HRC

**Description:**

Material: 1.7131, 52-56 HRC

Codice Code	B	L4	D	L	B1	L2	L5	L1	L3	L6	R	F	F1	H	B2
R0330-08-0001	14	14	M5	31	40	17	8.5	27	12	6	≤ 6.5	6.5 x 45°	2.5 x 45°	10	22
R0330-08-0002	20	18	M6	35	50	17	8.5	36	17	8.5	≤ 6.5	6.5 x 45°	3 x 45°	12.5	32
R0330-08-0003	31.5	23	M10	45	75	22	11	46	22	11	≤ 11	11 x 45°	3 x 45°	20	45
R0330-08-0004	40	28	M12	55	100	27	13.5	56	27	13.5	≤ 13	13 x 45°	5 x 45°	25	62
R0330-08-0005	50	29	M12	65	125	36	18	66	36	18	≤ 13	13 x 45°	5 x 45°	31.5	87

## R0322 Centraggio parallelo - CNT Parallel centering unit - CNT



### Descrizione:

Parti e Materiali:  
1 - Maschio: inserti in Grafite  
2 - Femmina: rivestimento in PVD TiN

### Description:

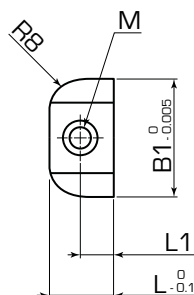
Parts and Materials:  
1 - Male: Graphite inserts  
2 - Female: PVD TiN coating

Codice Code	B	H3	H2	H	H1	M	B2	B1	L
R0322-08-0001	11	15	25	29.5	15	M5	23	35	26
R0322-08-0002	15	15	25	29.5	15	M6	30	45	30
R0322-08-0003	20	20	30	39.5	20	M8	37.5	55	36
R0322-08-0004	30	25	35	44.5	20	M10	52	75	36
R0322-08-0005	40	40	60	59.5	20	M10	70	100	45
R0322-08-0006	60	55	80	79.5	25	M14	92.5	125	50

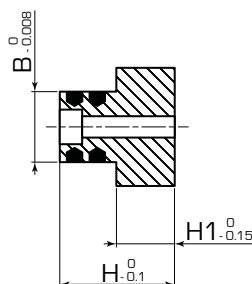
## R0328 Centraggio parallelo - CNT018/CNT038 Parallel centering unit - CNT018/CNT038



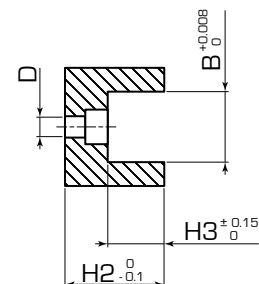
TIPO 1  
TYPE 1



MASCHIO  
MALE



FEMMINA  
FEMALE



**Descrizione:**

Parti e Materiali:  
1 - Maschio: inserti in Grafite  
2 - Femmina: rivestimento in PVD TiN

**Description:**

Parts and Materials:  
1 - Male: Graphite inserts  
2 - Female: PVD TiN coating

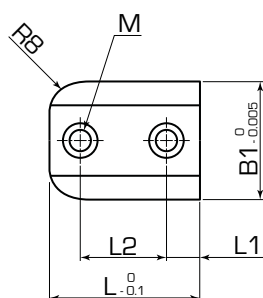
**Tipo 1**

**Type 1**

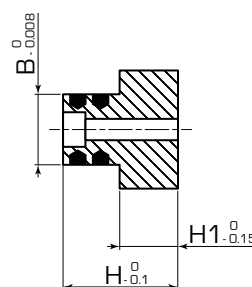
Codice Code	B	H3	M	D	B1	H2	H1	H	L	L1
R0328-08-0001	16	15	M6	6.5	30	26	15.5	30	18	10



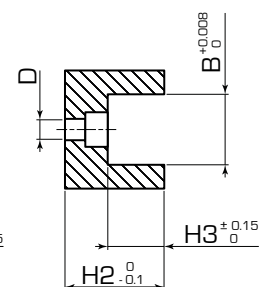
TIPO 2  
TYPE 2



MASCHIO  
MALE



FEMMINA  
FEMALE

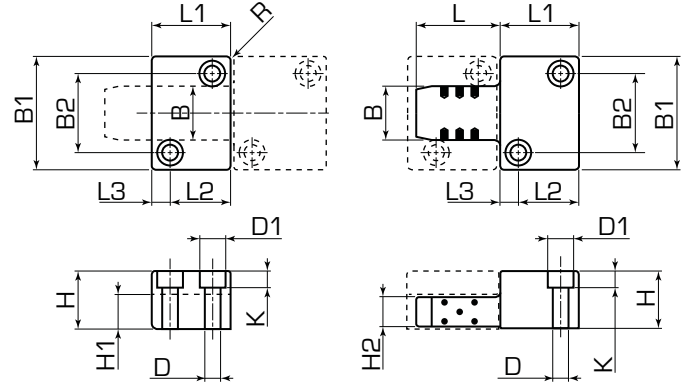


**Tipo 2**

**Type 2**

Codice Code	B	H3	M	D	B1	H2	H1	H	L	L1	L2
R0328-08-0002	16	15	M6	6.5	30	26	15.5	30	38	8	22

## R0323 Centraggio laterale - R07 Side centering unit - R07



### Descrizione:

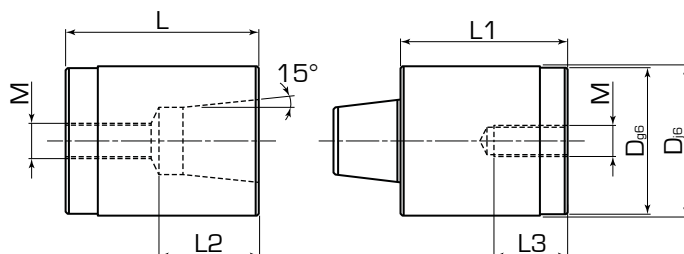
Parti e Materiali:  
1 - Maschio: 1.7131 con inserti in Grafite  
2 - Femmina: 1.7131

### Description:

Parts and Materials:  
1 - Male: 1.7131 with Graphite inserts  
2 - Female: 1.7131

Codice Code	B	L	D	H	B2	B1	L1	L2	L3	D1	H1	H2	K	R
R0323-08-0001	16	20	6,6	20	26	40	22	15	7	11	12	11	6,9	6
R0323-08-0002	16	40	6,6	20	26	40	22	15	7	11	12	11	6,9	6
R0323-08-0003	20	25	6,6	22	31	45	27	19	7	11	14	13	6,9	6
R0323-08-0004	20	50	6,6	22	31	45	27	19	7	11	14	13	6,9	6
R0323-08-0005	25	32	6,6	25	35	50	36	27	9	11	15	14	6,9	8
R0323-08-0006	25	63	6,6	25	35	50	36	27	9	11	15	14	6,9	8
R0323-08-0007	32	40	9	32	45	63	46	35	11	15	20	19	9	8
R0323-08-0008	32	80	9	32	45	63	46	35	11	15	20	19	9	8
R0323-08-0009	40	50	11	36	60	85	56	40	15	18	23	22	11	10
R0323-08-0010	40	100	11	36	60	85	56	40	15	18	23	22	11	10
R0323-08-0011	50	56	14	40	74	100	66	48	18	20	25	24	13	10
R0323-08-0012	50	112	14	40	74	100	66	48	18	20	25	24	13	10

## R0324 Centraggio conico - CON Conical centering unit - CON



### Descrizione:

Materiale: 16 Cr Ni 4, 60-62 HRC  
Trattamento termico: Cementazione + Tempra

### Description:

Material: 1 16 Cr Ni 4, 60-62 HRC  
Heat treatment: Cementing + Hardening

### Tipo Europa

### European type

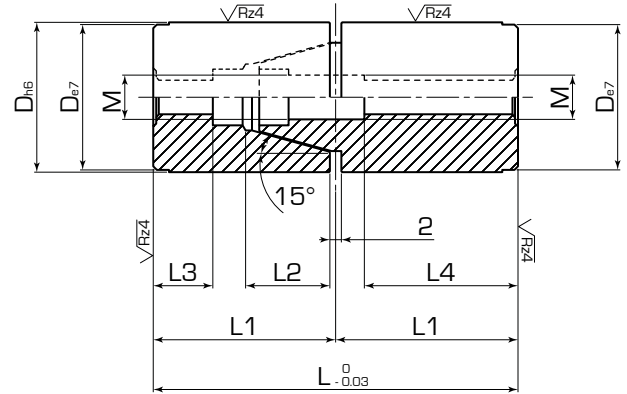
Codice Code	D	L	L1	L2	L3	M
R0324-08-0001	14	17	17	8	10	5MA
R0324-08-0002	16	17	17	8	10	5MA
R0324-08-0004	20	27	27	13	15	8MA
R0324-08-0006	25	27	27	15	15	8MA
R0324-08-0008	26	27	27	15	15	8MA
R0324-08-0009	30	36	36	20	18	10MA
R0324-08-0010	32	36	36	20	18	10MA
R0324-08-0012	40	46	46	25	18	10MA
R0324-08-0014	42	46	46	25	18	10MA

### Tipo Lungo

### Long type

Codice Code	D	L	L1	L2	L3	M
R0324-08-0003	16	25	25	16	10	5MA
R0324-08-0005	20	32	32	18	15	8MA
R0324-08-0007	25	32	32	20	15	8MA
R0324-08-0011	32	40	40	24	18	10MA
R0324-08-0013	40	50	50	29	18	10MA

## R0550 Centraggio conico Conical centering unit



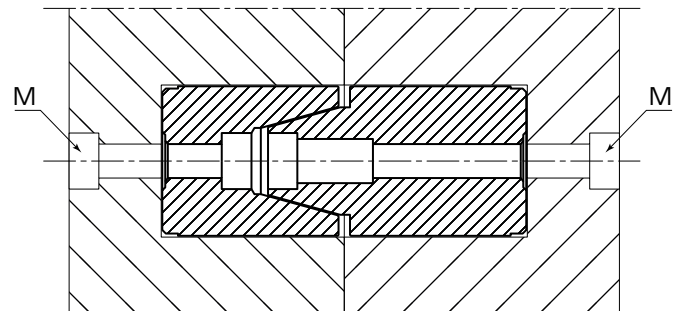
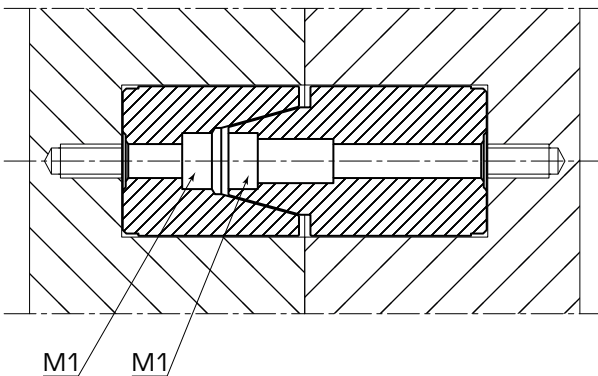
### Descrizione:

Materiale: 1.7139 700 HV

### Description:

Material: 1.7139 700 HV

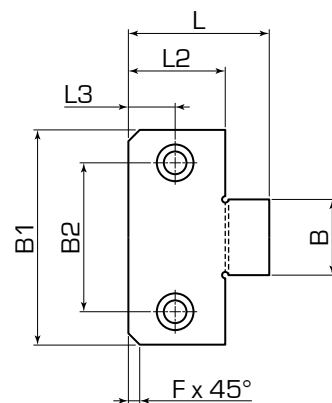
Codice Code	D	L	L1	L2	L3	L4	M	M1
R0550-08-0010	10	24	12	3.7	5	11.5	M4	M3
R0550-08-0001	12	34	17	5	8.5	9.6	M4	M3
R0550-08-0002	14	34	17	7	6	12.4	M5	M4
R0550-08-0003	16	34	17	7	6	12.4	M5	M4
R0550-08-0004	20	54	27	10	10.5	19.7	M8	M6
R0550-08-0005	25	54	27	11	9	19.7	M8	M6
R0550-08-0006	26	54	27	11	9	19.7	M8	M6
R0550-08-0007	30	72	36	16	12.2	25	M10	M8
R0550-08-0008	32	72	36	16	12.2	25	M10	M8
R0550-08-0009	42	92	46	20	16.5	27	M10	M8



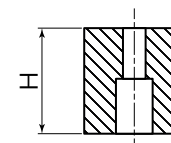
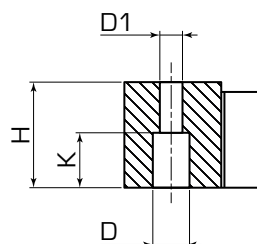
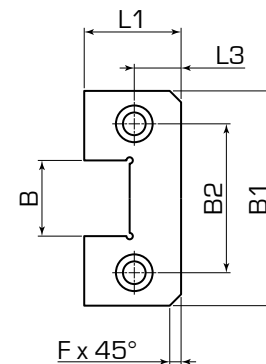
## R0325 Centraggio parallelo - LAT1 Parallel centering unit - LAT1



MASCHIO  
MALE



FEMMINA  
FEMALE



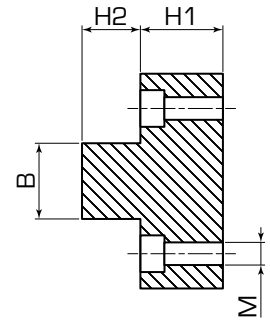
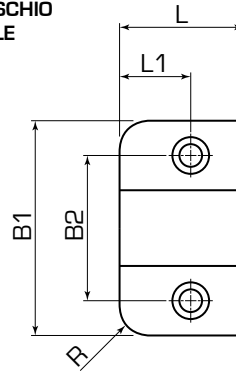
Codice Code	B	D1	D	B1	L	B2	L2	L1	L3	F	H	K
R0325-08-0001	12	6.5	10.5	38	30	22	22	22	7	5	13	8
R0325-08-0002	17	6.5	10.5	50	30	34	21.5	21.5	11	5	16	8
R0325-08-0003	25	10.5	16.5	75	50	50	36	36	18	8	19	12
R0325-08-0004	35	10.5	16.5	100	65	70	45	45	22	10	19	12
R0325-08-0005	45	10.5	16.5	125	65	84	45	45	22	10	25	12

## R0326

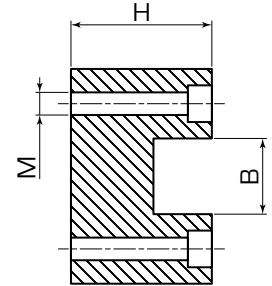
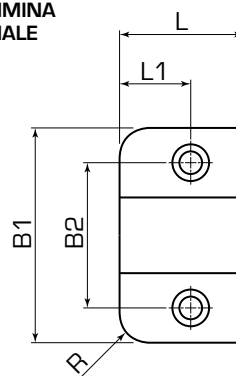
Centraggio frontale - LAT2  
Frontal centering unit - LAT2



MASCHIO  
MALE



FEMMINA  
FEMALE



**Descrizione:**

Parti e Materiali:

- 1 - Maschio: Acciaio Temprato ossidato nero, 45-52 HRC
- 2 - Femmina: Acciaio Temprato con rivestimento PVD TiN, 45-52 HRC

**Description:**

Parts and Materials:

- 1 - Male: Black oxidated Hardened Steel, 45-52 HRC
- 2 - Female: PVD TiN coated Hardened Steel, 45-52 HRC

**Prodotto in pollici**

**Inch size product**

Codice Code	B	H2	M	L	H1	B1	R	H	L1	B2
R0326-08-0001	0.438	0.375	M3	0.625	0.5	1.25	0.26	0.625	0.312	0.875
R0326-08-0002	0.5	0.5	M4	0.875	0.75	1.5	0.26	0.875	0.437	1
R0326-08-0003	0.75	0.625	M5	1	0.75	2	0.38	1.125	0.5	1.375
R0326-08-0004	1.125	0.75	M6	1.125	0.75	3	0.51	1.5	0.562	2.25

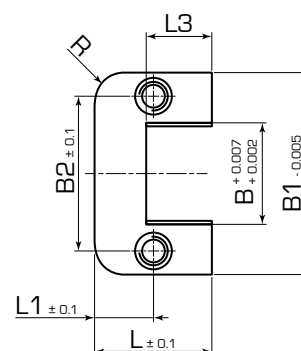
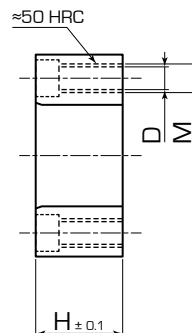
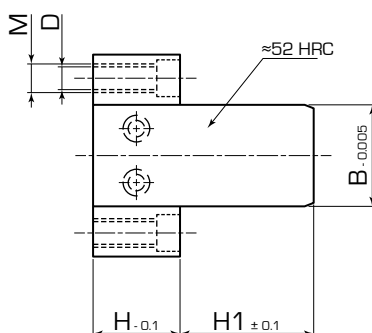
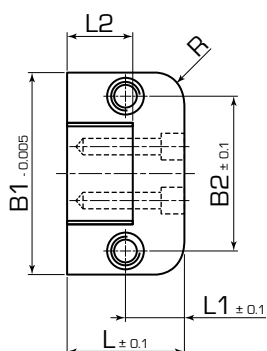
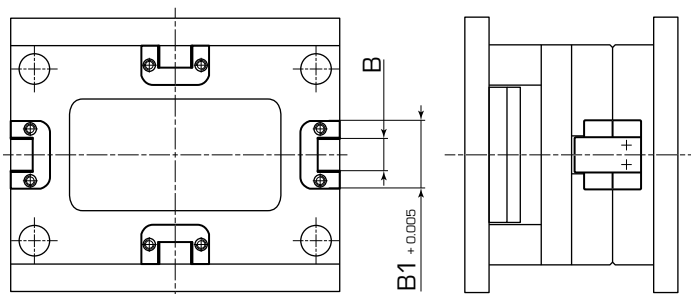
**Prodotto in mm**

**Metric size product**

Codice Code	B	H2	M	L	H1	B1	R	H	L1	B2
R0326-08-0005	11	9.5	M4	16	13	32	6.5	16	8	22
R0326-08-0006	12.5	12.8	M4	22	19	38	6.5	22.5	11	25.5
R0326-08-0007	19	16	M5	25	19	50	9.5	29	12.5	35
R0326-08-0008	28.5	20	M6	28.5	20	75	13	38	14.25	56
R0326-08-0009	34	20	M8	32	20	100	13	45	16	72



## R0331 Centraggio laterale - R46/R48 Side centering unit - R46/R48



### Descrizione:

Esempio di ordinativo: R0331-08-0001  
 Materiale: 1.2343  
 Rivestimento: DLC su parte maschio

### Description:

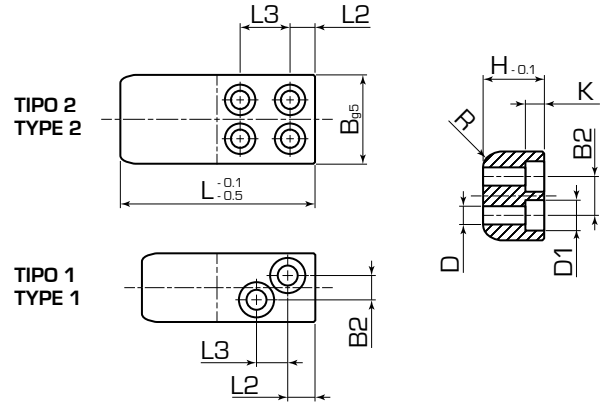
Example of purchasing order: R0331-08-0001  
 Material: 1.2343  
 Coating: DLC on the male part

Codice Code	B	L	B1	B2	L1	L2	L3	D	M	R	H	H1								
												20	32	40	50	63	71	80	100	120
R0331-08	16	22	45	30	11	11.5	12	6.8	M8	8	20	0001		0002						
R0331-08	30	35	60	46	17.5	19.5	20	6.8	M8	10	26			0003		0004				
R0331-08	48	46	100	74	23	25.5	26	10.3	M12	12.5	36		0005		0006	0007		0008	0012	
R0331-08	77	60	150	114	30	35.5	36	14	M16	16	56				0009		0010		0011	0013

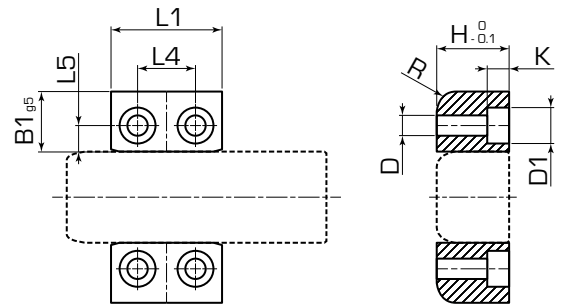
## R0327 Centraggio parallelo - R18 Parallel centering unit - R18



### MASCHIO CENTRALE GUIDE BLOCK



### BLOCCAGGI GUIDE JAWS



#### Descrizione:

Esempio di ordinativo: R0327-08-0001  
Materiale: 1.2162 ≈60 HRC

#### Description:

Example of purchasing order: R0327-08-0001  
Material: 1.2162 ≈60 HRC

#### Tipo 1

#### Type 1

Codice Code	B	H	B1	L1	B2	L2	L3	L4	L5	K	D	D1	R	L		
														50	75	90
R0327-08	20	18	18	27	7	8	9	12	8	5.7	5.5	10	6	0001	0002	0003

#### Tipo 2

#### Type 2

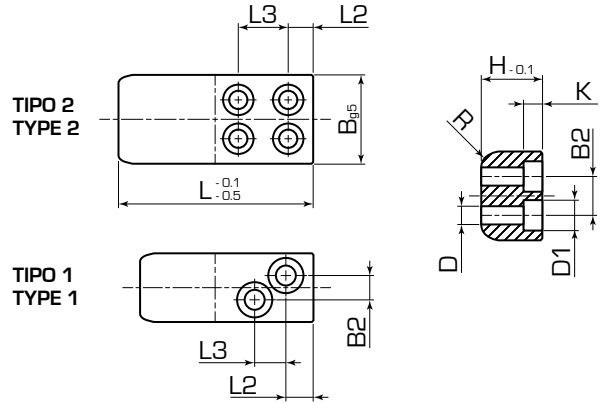
Codice Code	B	H	B1	L1	B2	L2	L3	L4	L5	K	D	D1	R	L										
														70	90	112	125	150	175	200	250	300		
R0327-08	32	22	20	36	14	9	18	16	10	6.8	6.6	11	6	0004	0005	0006	0007	0008						
R0327-08	50	30	25	46	24	12	21	24	11	9	9	15	8		0009		0010	0011	0012	0013				
R0327-08	63	32	32	56	30	15	26	30	16	11	11	18	10			0014		0015	0016	0017	0018			
R0327-08	80	35	35	56	44	15	26	30	16	11	11	18	12			0019		0020	0021	0022	0023			
R0327-08	100	50	40	76	55	18	32	40	17	13	13.5	20	15						0024	0025	0026			
R0327-08	120	65	45	86	75	20	35	50	20	13	13.5	20	15							0027	0028	0029		

## R0778

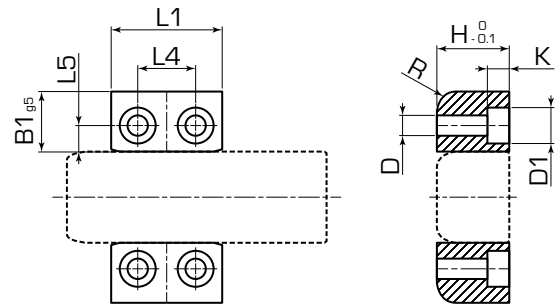
Centraggio parallelo, con rivestimento DLC  
Parallel centering unit, with DLC coating



### MASCHIO CENTRALE GUIDE BLOCK



### BLOCCAGGI GUIDE JAWS



#### Descrizione:

Esempio di ordinativo: R0778-08-0001  
Materiale: 1.2162 ≈60 HRC, con rivestimento DLC sui blocchetti di guida.

#### Description:

Example of purchasing order: R0778-08-0001  
Material: 1.2162 ≈60 HRC, with guide jaws DLC coated.

#### Tipo 1

#### Type 1

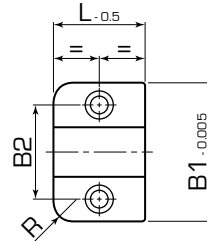
Codice Code	B	H	B1	L1	B2	L2	L3	L4	L5	K	D	D1	R	L		
														50	75	90
R0778-08	20	18	18	27	7	8	9	12	8	5.7	5.5	10	6	0001	0002	0003

#### Tipo 2

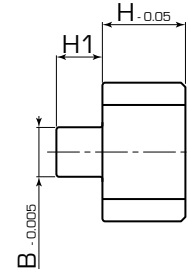
#### Type 2

Codice Code	B	H	B1	L1	B2	L2	L3	L4	L5	K	D	D1	R	L								
														70	90	112	125	150	175	200	250	300
R0778-08	32	22	20	36	14	9	18	16	10	6.8	6.6	11	6	0004	0005	0006	0007	0008				
R0778-08	50	30	25	46	24	12	21	24	11	9	9	15	8		0009		0010	0011	0012	0013		
R0778-08	63	32	32	56	30	15	26	30	16	11	11	18	10			0014		0015	0016	0017	0018	
R0778-08	80	35	35	56	44	15	26	30	16	11	11	18	12			0019		0020	0021	0022	0023	
R0778-08	100	50	40	76	55	18	32	40	17	13	13.5	20	15						0024	0025	0026	
R0778-08	120	65	45	86	75	20	35	50	20	13	13.5	20	15							0027	0028	0029

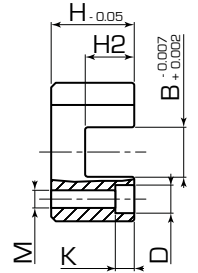
## R0687 Centraggio rettangolare Square centering unit



MASCHIO  
MALE



FEMMINA  
FEMALE



**Descrizione:**

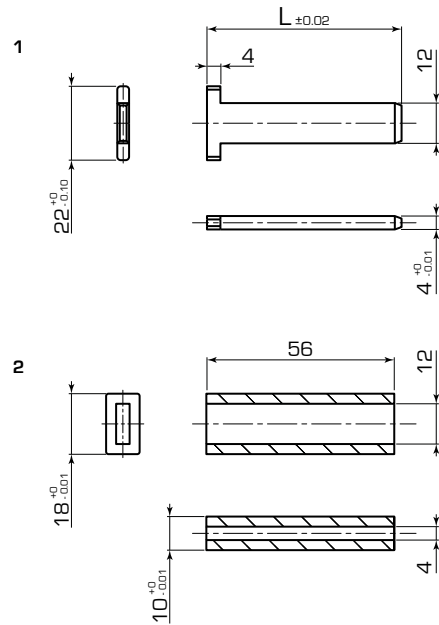
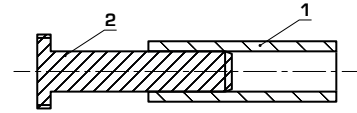
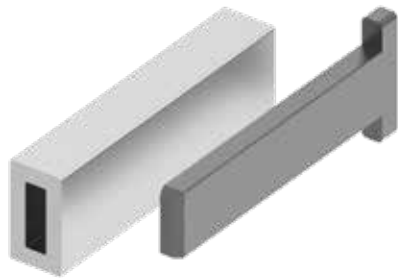
Esempio di ordinativo: R0687-08-0001  
Materiale: 1.2379 58-62 HRC

**Description:**

Example of purchasing order: R0687-08-0001  
Material: 1.2379 58-62 HRC

Codice Code	L	B1	H	H1	H2	B2	B	M	D	K	R	Rivestimento Coating	
												No	DLC
R0687-08	28	30	19.8	9	10	20	10	M5	8	4.6	6	0001	0004
R0687-08	33	50	29.8	16.5	17.5	35	20	M8	11	6.8	8	0002	0005
R0687-08	38	75	39.8	24	25	52	30	M10	12	9	10	0003	0006

**R0781** Dispositivo automatico taglia materozza  
Automatic sprue cutting device



**Descrizione:**

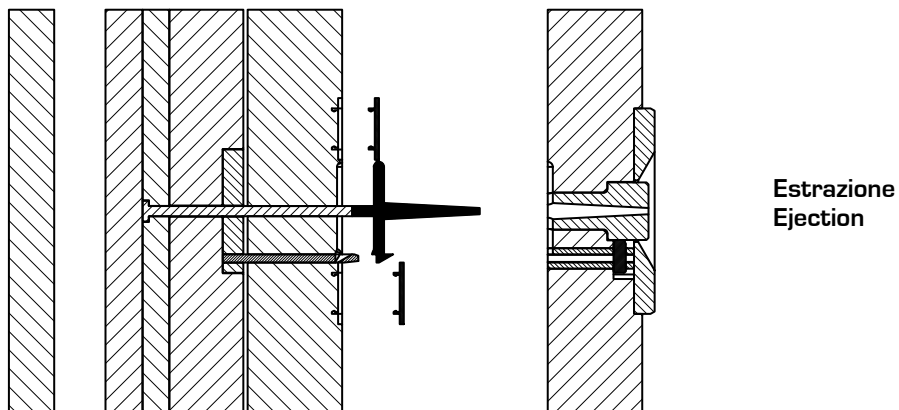
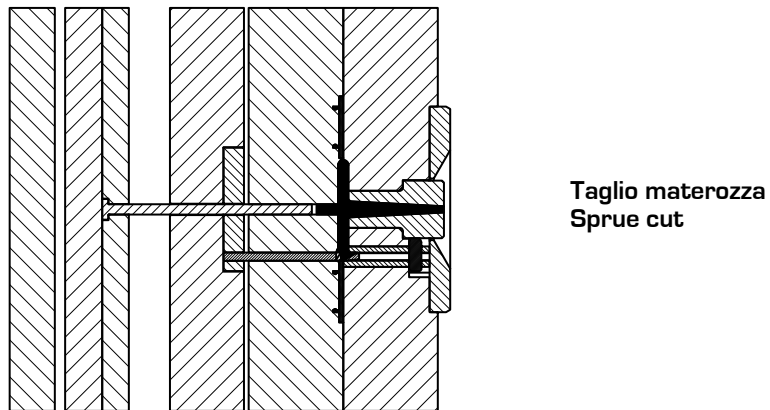
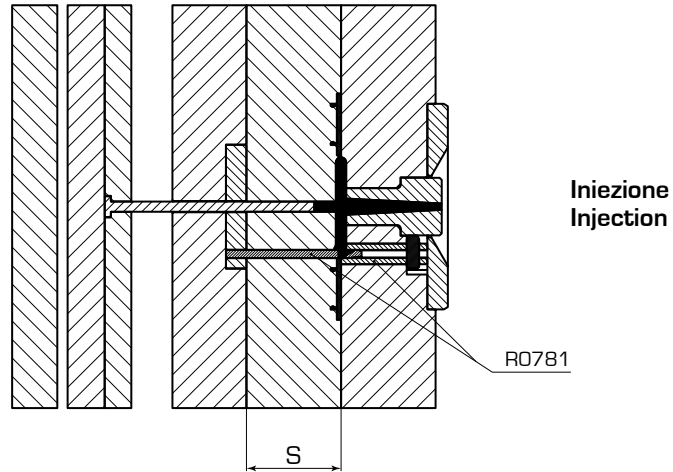
Parti e Materiali:  
1 - Elemento di taglio: 1.2343 Temprato + DLC, 52-54 HRC  
2 - Bussola: 1.2379 Temprato 54-56 HRC

**Description:**

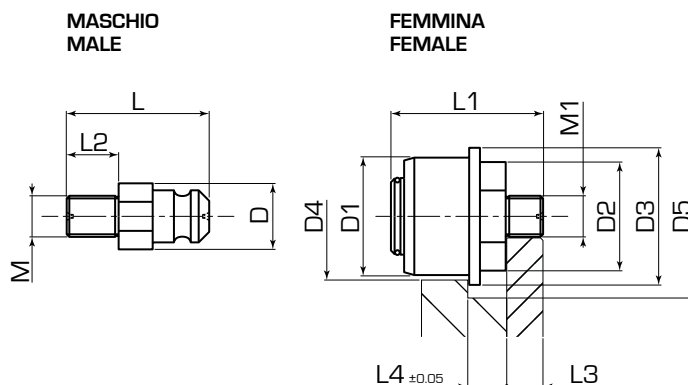
Parts and Materials:  
1 - Cutting component: 1.2343 Hardened + DLC, 52-54 HRC  
2 - Bush: 1.2379 Hardened 54-56 HRC

Codice Code	Spessore piastra Plate thickness S	L
R0781-08-0001	27	49
R0781-08-0002	36	58
R0781-08-0003	46	68
R0781-08-0004	56	78
R0781-08-0005	76	98
R0781-08-0006	96	118

**R0781** Dispositivo automatico taglia materozza  
Automatic sprue cutting device



### R0353 Dispositivo automatico di estrazione - AGS Quick knockout coupler - AGS



#### Descrizione:

Esempio di ordinativo: R0353-08-0001

Nota: si raccomanda di non usare il grasso per la lubrificazione. Se necessario, utilizzare olio molto fluido. Si suggerisce periodica pulizia con aria compressa. Rispettare la quota L4 la quale si riferisce allo scasso da effettuare sulla piastra.

#### Description:

Example of purchasing order: R0353-08-0001

Note: It is recommended not to use grease for lubrication. If necessary, use very thin oil. Periodic cleaning with compressed air is recommended. Respect the L4 dimension which refers to the hole to be made on the plate.

#### Parte maschio

#### Male part

Codice Code	Tipo Type	F max (kg)	D	L	L2	M									
						M10x1.5	M12x1.75	M14x2	M16x2	M18x2.5	M20x2.5	M24x3	M27x3	M30x3.5	M36x4
R0353-08	Micro	1500	22.8	45.5	20	0001	0002	0003	0004						
R0353-08	Mignon	2400	25.8	55	20	0008	0009	0010	0011						
R0353-08	Normal	3200	35	68	25				0014	0015	0016	0017	0018	0019	
R0353-08	Extra/Maxi	10000	43	82.5	30							0028	0029	0030	0031

#### Parte femmina

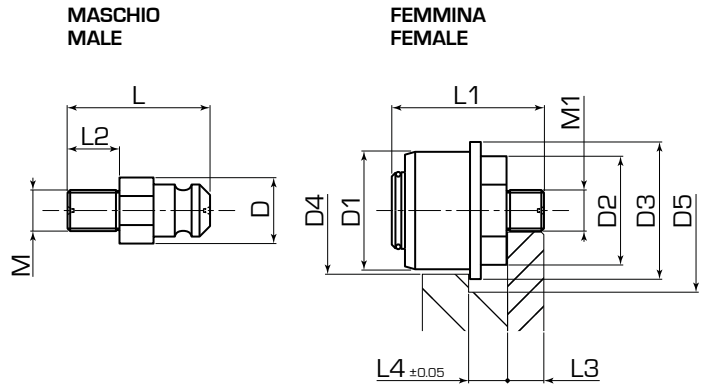
#### Female part

Codice Code	Tipo Type	F max (kg)	D1	L1	D2	D3	D4	D5	L3	L4	M1		
											M12x1.75	M16x1.5	M16x2
R0353-08	Micro	1500	32	42.5	32	39	34	43	15	9	0005	0006	0007
R0353-08	Mignon	2400	38	52	38	48	40	53	15	13	0012	0013	

Codice Code	Tipo Type	F max (kg)	D1	L1	D2	D3	D4	D5	L3	L4	M1							
											M16x1.5	M16x2	M18x1.5	M20x1.5	M20x2.5	M24x1.5	M27x1.5	M30x1.5
R0353-08	Normal	3200	56	68	52	65	58	70	18	17	0020	0021	0022	0023	0024	0025	0026	0027

Codice Code	Tipo Type	F max (kg)	D1	L1	D2	D3	D4	D5	L3	L4	M1				
											M24x1.5	M27x1.5	M30x1.5	M30x2	M36x1
R0353-08	Extra/Maxi	10000	64	86.5	60	73	66	79	23	22	0032	0033	0034	0035	0036

## R0354 Dispositivo automatico di estrazione - AG/S001 MAGNUM Quick knockout coupler - AG/S001 MAGNUM



### Descrizione:

Esempio di ordinativo: R0354-08-0001

Nota: le quote possono essere soggette a modifiche per miglioramenti da parte del costruttore.

### Description:

Example of purchasing order: R0354-08-0001

Note: the dimensions may be subject to change for improvements by the manufacturer.

### Parte maschio

### Male part

Codice Code	Tipo Type	D	L	L2	M	
					M42x4.5	UNC 1 1/4" - 07
R0354-08	Magnum	53	92	36	0001	0002

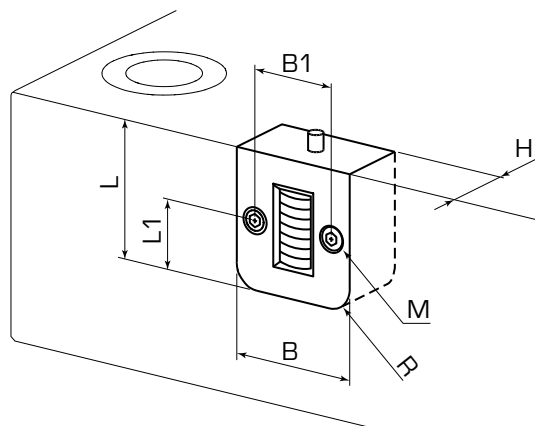
### Parte femmina

### Female part

Codice Code	Tipo Type	D1	L1	D2	D3	D4	D5	L3	L4	M	
										M42x4.5	UNC 1 1/2" - 12
R0354-08	Magnum	76	115	75	85	78	90	30	29	0003	0004



## R0363 Conta colpi meccanico per lato mobile e fisso Mechanical cycle counter for movable and stationary half



### Descrizione:

Esempio di ordinativo: R0363-08-0001

Materiale scocca: Nylon

Temperatura max di esercizio: 120 °C

Contatore meccanico a 7 cifre, non azzerrabile.

### Description:

Example of purchasing order: R0363-08-0001

Body material: Nylon

Max working temperature: 120 °C

Mechanical 7-digit counter, non-resettable

Codice Code	B	L	H	B1	L1	M	R	Tipo Type	
								Lato mobile Movable half	Lato fisso Stationary half
R0363-08-	38	48	26	28	24	M4 x 25	8	0001	0002

Il contacolpi meccanico monitorizza il numero di cicli dello stampo, seguendone l'attività durante tutta la sua vita operativa. Il montaggio a filo apertura stampo rende la numerazione facilmente visibile all'operatore.

#### Metodo di installazione:

- 1: eseguire la sede secondo le dimensioni indicate in figura
- 2: fissare il contacolpi con le viti
- 3: l'attuatore deve essere parallelo all'apertura stampo

Brevetto Europeo No. EP726129

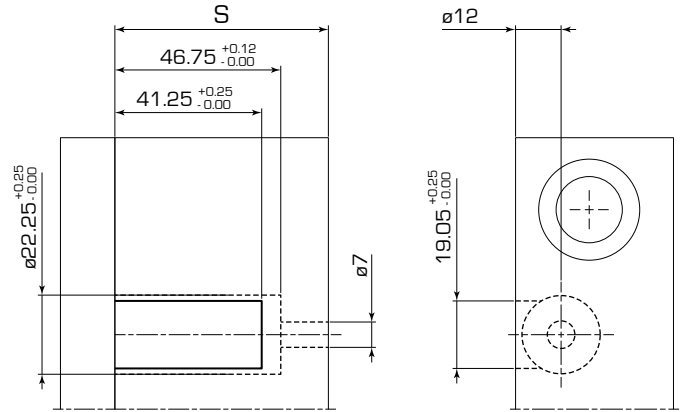
The mechanical cycle counter monitors the number of mould's cycles, following its activity throughout its operational life. The mounting on the opening line of the mould makes the numbers easily visible to the operator.

#### Installation method:

- 1: execute the seat according to the measures indicated on the drawing
- 2: fix with screws
- 3: the actuator must be parallel to the mould opening

European Patent No. EP726129

**R0362** Conta colpi meccanico con scocca cilindrica per lato mobile e fisso  
Mechanical cycle counter with cylindrical body for movable and stationary half

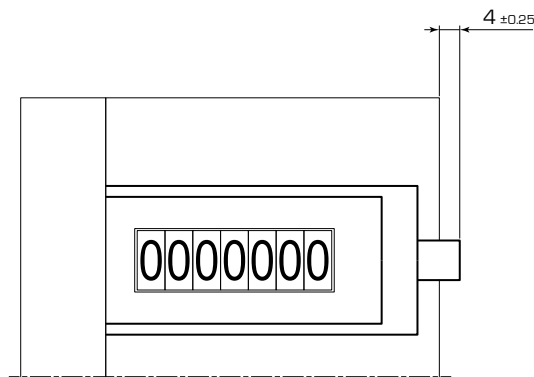


**Descrizione:** **Description:**

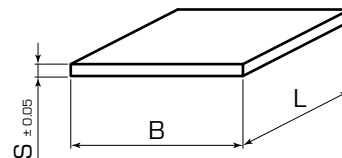
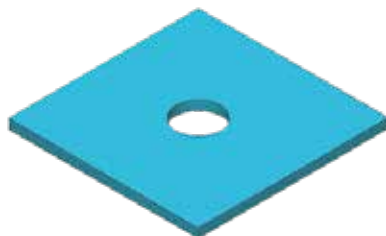
**Esempio di ordinativo: R0362-08-0001**  
Materiale scocca: Nylon  
Temperatura max di esercizio: 120 °C  
Contatore meccanico a 7 cifre, non azzerabile.

**Example of purchasing order: R0362-08-0001**  
Body material: Nylon  
Max working temperature: 120 °C  
Mechanical 7-digit counter, non-resettable

Codice Code	S	Tipo Type	
		Lato mobile Movable half	Lato fisso Stationary half
R0362-08	56	0001	0002



### R0364 Piastra isolante 200 °C Thermal insulating plate 200 °C



#### Descrizione:

**Esempio di ordinativo: R0364-08 x B x L x S**

Caratteristiche principali:

Senza amianto, stratificato rigido a base di fibra di vetro e resina poliesteri modificata. Buona stabilità meccanica ad alte temperature.

Resistenza al calore, utilizzo max 200 °C.

Campo d'impiego:

Adatta per isolamento termico ad una temperatura costante di 200 °C per isolare i piani pressa e gli stampi termoplastici.

Nota: \*spessori (S) disponibili a magazzino: 6 mm, 8 mm, 10 mm

Realizziamo piastre a disegno, su richiesta. Inviare file nei formati dxf o dwg.

#### Description:

**Example of purchasing order: R0364-08 x B x L x S**

Features:

Asbestos free, laminated on base of fiberglass and modified polyester resin. Good mechanical stability at high temperatures.

Heat resistance, max. use up to 200 °C.

Application:

Suitable for thermal insulation at a constant temperature of 200 °C to isolate mould plans and thermoplastic moulds.

Note: \*thickness (S) available in stock: 6 mm, 8 mm, 10 mm

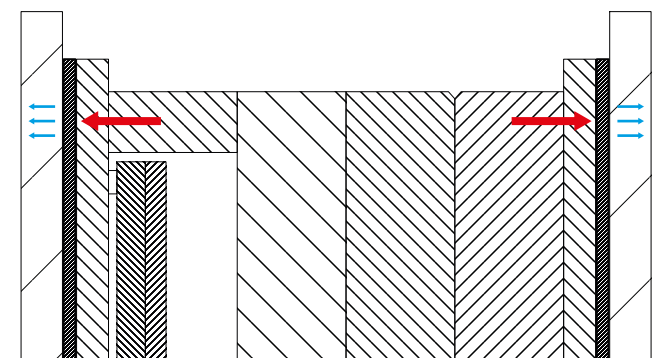
We produce customized plates on request. Please send us dxf or dwg drawing.

Codice Code	B	L	S		
			6	8	10
R0364-08			•	•	•

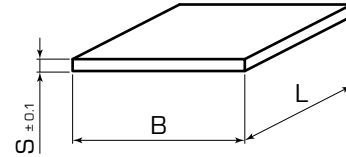
#### Dati tecnici

#### Technical data

Colore Colour	Densità Density (g/cm <sup>3</sup> )	Temperatura di esercizio Working temperature (°C)	Resistenza alla compressione Compressive strength (MPa) ⊥		Resistenza alla flessione Bending strength (MPa) ⊥	Conducibilità termica Thermal conductivity (W/m+K)	Assorbimento di acqua Water absorption (%)	Coefficiente espansione lineare Coefficient of linear expansion (10 <sup>-6</sup> /K)
			23 °C	200 °C	23 °C			
Azzurro Light blue	2	200	330	120	210	0.27	<0.2	10÷15



### R0540 Piastra isolante 250 °C Thermal insulating plate 250 °C



#### Descrizione: Description:

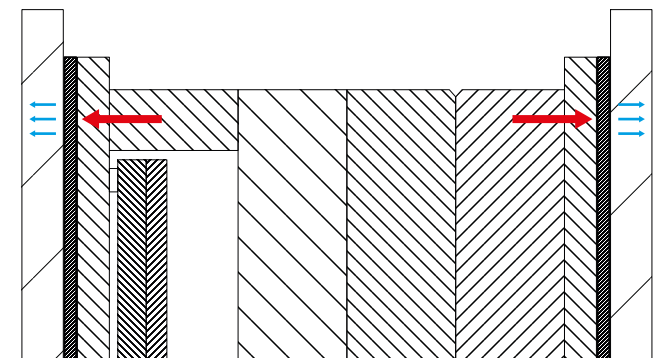
**Esempio di ordinativo: R0540-08 x B x L x S**  
 Caratteristiche principali:  
 Laminato composto da una fibra di vetro di alta qualità e da una resina termoindurente altamente resistente alle alte temperature.  
 E' caratterizzata da un'eccellente stabilità dimensionale e da una temperatura di esercizio molto costante con un buon effetto isolante.  
 Campo d'impiego:  
 Viene utilizzata come piastra isolante nelle utensilerie riscaldate e negli stampi plastica, gomma e lamiera oltre che nelle presse riscaldate.  
 Nota: Realizziamo piastre a disegno, su richiesta. Inviare file nei formati dxf o dwg.

**Example of purchasing order: R0540-08 x B x L x S**  
 Features:  
 Laminate composed of a high quality glass fiber combined with a thermosetting resin highly resistant to high temperature. It is characterized by outstanding dimensional stability, very high continuous operating temperature and a good insulating effect.  
 Application:  
 It is used as an insulating plate in heated tools and plastic, rubber and metal mould working industries, as well as in heated presses.  
 Note: We produce customized plates on request. Please send us dxf or dwg drawing.

Codice Code	B	L	S					
			3	5	6	8	10	20
R0540-08			•	•	•	•	•	•

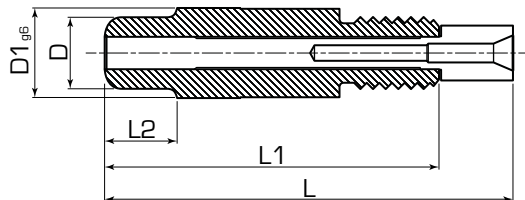
#### Dati tecnici Technical data

Colore Colour	Densità Density (g/cm <sup>3</sup> )	Temperatura di esercizio Working temperature (°C)		Resistenza alla compressione Compressive strength (MPa) ⊥		Resistenza alla flessione Bending strength (MPa) ⊥	Conducibilità termica Thermal conductivity (W/m+K)	Coefficiente espansione lineare Coefficient of linear expansion (10 <sup>-6</sup> /K)
		short term	long term	23 °C	200 °C	23 °C		
Rosso Red	2	280	250	750	500	720	0.30	11



**R0344**

Ugello gas - UGN  
Gas nozzle - UGN



**Descrizione:**

Materiale: Acciaio Inox AISI 303

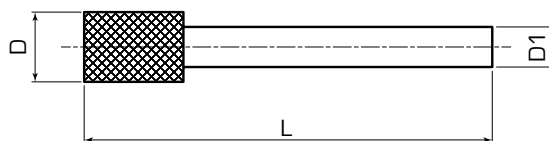
**Description:**

Material: Stainless steel AISI 303

Codice Code	D	D1	L	L1	L2
R0344-08-0001	4	5	22.5	18.5	4
R0344-08-0002	4	5	26.5	22.5	8

**R0627**

Chiave per ugello gas  
Key for gas nozzle



**Descrizione:**

Materiale: Acciaio Inox AISI 303

**Description:**

Material: Stainless steel AISI 303

Codice Code	D	D1	L
R0627-08-0001	11	7.5	68.52

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock






















**RAFFREDDAMENTI**  
**TEMPERATURE REGULATION**

**Ranco** 








































# INDICE INDEX

<b>STANDARD ITALIANO ITALIAN STANDARD</b>			
R0365		Attacco rapido Quick coupling	7
R0366		Attacco rapido a 90° Quick coupling 90°	7
R0367		Innesto rapido filetto maschio Male thread quick plug	8
R0368		Innesto rapido con prolunga Quick plug with extension	8
<b>STANDARD EUROPEO EUROPEAN STANDARD</b>			
R0369		Attacco rapido Quick coupling	9
R0370		Attacco rapido a 90° Quick coupling 90°	9
R0371		Innesto rapido filetto maschio Male thread quick plug	10
R0372		Innesto rapido filetto maschio con valvola Male thread quick plug with valve	11
R0373		Innesto rapido filetto femmina Female thread quick plug	12
R0374		Innesto rapido con prolunga Quick plug with extension	12
<b>STANDARD USA USA STANDARD</b>			
R0375		Attacco rapido Quick coupling	13
R0376		Attacco rapido a 90° Quick coupling 90°	13
R0377		Innesto rapido filetto maschio Male thread quick plug	14
R0379		Innesto rapido filetto maschio con valvola Male thread quick plug with valve	15
R0380		Innesto rapido filetto femmina Female thread quick plug	16
R0381		Innesto rapido con prolunga Quick plug with extension	16
R0382		Innesto rapido filetto maschio con prolunga Male thread quick plug with extension	17
<b>STANDARD FRANCESE FRENCH STANDARD</b>			
R0383		Attacco con filetto maschio Male thread socket	18
R0384		Attacco con filetto femmina Female thread socket	19
R0385		Attacco prolunga Extension socket	19
R0386		Attacco prolunga con filetto Extension socket with thread	20
R0387		Attacco rapido Quick coupling	20
R0388		Attacco rapido 90° Quick coupling 90°	21

# INDICE INDEX

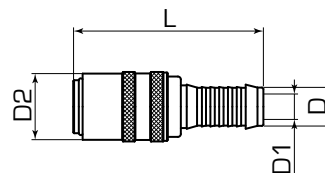
R0389		Attacco rapido per tubi autobloccanti Quick coupling for self-locking hose	21
R0393		Attacco rapido a 90° per tubi autobloccanti Quick coupling 90° for self-locking hose	22
<b>ACCESSORI ACCESSORIES</b>			
R0707		Tappo raffreddamento esterno Outer cooling plug	23
R0708		Tappo raffreddamento interno Inner cooling plug	23
R0710		Raffreddatore a lama, serie foratrice Plug baffle, drilling series	24
R0712		Raffreddatore a fontana, serie foratrice Cascade water junction, drilling series	25
R0390		Tappo con lama Plug baffle	26
R0391		Tappo con lama a spirale Spiral plug baffle	27
R0392		Raffreddatore a fontana Cascade water junction	28
R0394		Raffreddatore a fontana Cascade water junction	29
R0168		Tappo conico DIN 906 Conical plug DIN 906	31
R0169		Tappo cilindrico con battuta DIN 908 Cylindrical plug with head DIN 908	32
R0396		Tappo conico DIN 906 Conical plug DIN 906	33
R0397		Tappo cilindrico DIN 908 Cylindrical plug DIN 908	33
R0549		Tappo cilindrico con battuta DIN 908 Cylindrical plug with head DIN 908	34
R0640		Tappo di chiusura Sealing plug	35
R0506		Adattatore con cono interno con filettatura maschio DIN 3863 Male thread adapter with inner cone DIN 3863	36
R0508		Adattatore a 90° con filetto maschio - femmina Male - female thread adapter 90°	36
R0507		Adattatore con filetto maschio - maschio Male - male thread adapter	37
R0509		Raccordo a 90° con filetto maschio Male thread socket 90°	38
R0510		Raccordo a 45° con filetto maschio Male thread socket 45°	38
R0511		Raccordo filetto maschio portagomma Male thread socket for rubber hose	39
R0512		Raccordo filetto maschio con portagomma Male socket long type for rubber hose	40
R0513		Prolunga con filetto maschio - femmina Extension with male - female thread	40
R0514		Prolunga con filetto maschio Extention with male thread	41
R0395		Tubi trasferimento calore Heat transfer rods	42

# INDICE INDEX

R0159		O-Ring - OR O-Ring - OR	44
R0688		O-Ring, Corda - OR Rubber cord rope - OR	46
R0515		Presa per tubi flessibili a bassa pressione Socket for low flow pressure hose lines	47
R0516		Attrezzo manuale per assemblaggio Hand operated assembly machine	48
R0517		Kamlock ad attacco rapido a morsetto Socket for low pressure hose lines	48
R0518		Kamlock ad attacco rapido a morsetto - femmina Socket for low pressure hose lines - female	49
R0519		Kamlock ad attacco rapido a morsetto - maschio Socket for low pressure hose lines - male	49
R0520		Kamlock ad attacco rapido a morsetto Socket for low pressure hose lines	50
R0521		Kamlock ad attacco rapido a presa Kamlock quick plug	50
R0522		Kamlock ad attacco rapido a presa Kamlock quick plug	51
R0523		Kamlock ad attacco rapido a presa Kamlock quick plug	51
R0524		Kamlock ad attacco rapido a presa Kamlock quick plug	52
R0525		Unità di distribuzione Distribuition block	52
R0526		Fascetta stringitubo a due orecchie Two-ear hose clip	53
R0527		Fascetta stringitubo alte prestazioni High performance hose clip	54
R0536		Unità di distribuzione Distribution block	55



**R0365** Attacco rapido  
Quick coupling



**Descrizione:**

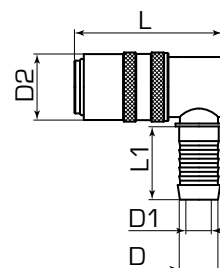
Esempio di ordinativo: R0365-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0365-09-0001  
Material: Brass

Codice Code	D	D1	D2	L	Tipo Type	
					con valvola with valve	senza valvola without valve
R0365-09	10	6	18	47	0001	0003
R0365-09	14	9	25	61	0002	0004

**R0366** Attacco rapido a 90°  
Quick coupling 90°



**Descrizione:**

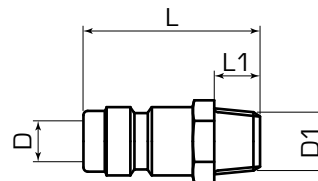
Esempio di ordinativo: R0366-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0366-09-0001  
Material: Brass

Codice Code	D	D1	D2	L	L1	Tipo Type	
						con valvola with valve	senza valvola without valve
R0366-09	10	6	18	41	18	0001	0003
R0366-09	14	9	25	52	24	0002	0004

**R0367** Innesto rapido filetto maschio  
Male thread quick plug



**Descrizione:**

Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	L1	CH
R0367-09-0001	6	1/8" GAS	28	8	11
R0367-09-0002	6	M10	28	8	11
R0367-09-0003	6	1/4" GAS	28	8	14
R0367-09-0004	9	1/4" GAS	29	10.5	14
R0367-09-0005	9	3/8" GAS	29	10.5	17
R0367-09-0006	9	1/2" GAS	29	10.5	22

**R0368** Innesto rapido con prolunga  
Quick plug with extension



**Descrizione:**

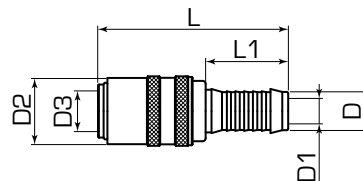
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	CH
R0368-09-0001	10	6	120	14
R0368-09-0002	10	6	240	14
R0368-09-0003	10	6	360	14
R0368-09-0004	14	9	150	17
R0368-09-0005	14	9	300	17

**R0369** Attacco rapido  
Quick coupling



**Descrizione:**

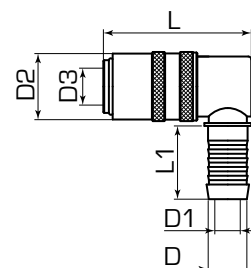
Esempio di ordinativo: R0369-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0369-09-0001  
Material: Brass

Codice Code	D	D1	D2	D3	L	L1	Tipo Type	
							con valvola with valve	senza valvola without valve
R0369-09	6	5	17	9	59	28	0001	0007
R0369-09	10	6	17	9	59	28	0002	0008
R0369-09	10	8	22	13	65	28	0003	0009
R0369-09	13	9	22	13	65	28	0004	0010
R0369-09	16	13	31	19	96	38	0005	0011
R0369-09	19	13	31	19	96	38	0006	0012

**R0370** Attacco rapido a 90°  
Quick coupling 90°



**Descrizione:**

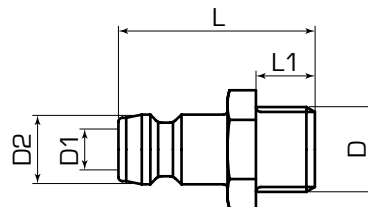
Esempio di ordinativo: R0370-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0370-09-0001  
Material: Brass

Codice Code	D	D1	D2	D3	L	L1	Tipo Type	
							con valvola with valve	senza valvola without valve
R0370-09	6	5	17	9	43	25.5	0001	0006
R0370-09	9	6	17	9	43	25.5	0002	0007
R0370-09	9	8	22	13	51	30	0003	0008
R0370-09	13	9	22	13	51	30	0004	0009
R0370-09	19	13	31	19	78	34	0005	0010

**R0371** Innesto rapido filetto maschio  
Male thread quick plug



**Descrizione:**

Materiale: Ottone

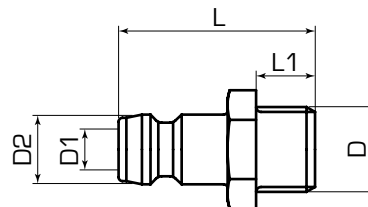
**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0371-09-0001	BSPP 1/8"	6	9	24	7	11
R0371-09-0002	BSPP 1/4"	6	9	26	9	14
R0371-09-0003	BSPP 3/8"	6	9	26	9	17
R0371-09-0004	M10 x 1	6	9	24	7	11
R0371-09-0005	M14 x 1.5	6	9	26	9	15
R0371-09-0006	M16 x 1.5	6	9	26	9	17
R0371-09-0007	BSPP 1/8"	9	13	24	7	14
R0371-09-0008	BSPP 1/4"	9	13	26	9	14
R0371-09-0009	BSPP 3/8"	9	13	26	9	17
R0371-09-0010	BSPP 1/2"	9	13	24	12	22
R0371-09-0011	M10 x 1	9	13	24	7	14
R0371-09-0012	M14 x 1.5	9	13	26	9	15
R0371-09-0013	M16 x 1.5	9	13	26	9	17
R0371-09-0014	BSPP 1/2"	13	19	47	12	22
R0371-09-0015	BSPP 3/4"	13	19	51	16	27
R0371-09-0016	M24 x 1.5	13	19	51	16	27



**R0372** Innesto rapido filetto maschio con valvola  
Male thread quick plug with valve



**Descrizione:**

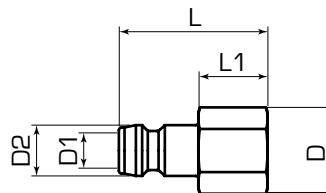
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0372-09-0001	BSPP 1/4"	6	9	29	9	14
R0372-09-0002	BSPP 3/8"	9	13	29	9	17
R0372-09-0003	M14 x 1.5	6	9	29	9	15
R0372-09-0004	BSPP 1/4"	9	13	29	9	14
R0372-09-0005	BSPP 3/8"	9	13	29	9	17
R0372-09-0006	BSPP 1/2"	9	13	29	9	22
R0372-09-0007	M14 x 1.5	9	13	29	9	15
R0372-09-0008	M16 x 1.5	9	13	29	9	17
R0372-09-0009	BSPP 1/2"	13	19	47	12	22
R0372-09-0010	BSPP 3/4"	13	19	51	16	27
R0372-09-0011	M24 x 1.5	13	19	51	16	27

**R0373** Innesto rapido filetto femmina  
Female thread quick plug



**Descrizione:**

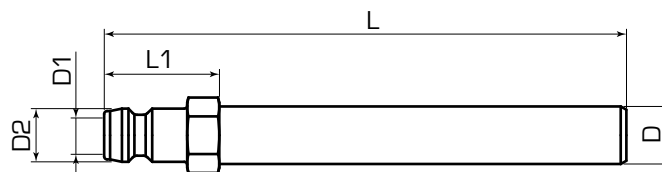
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0373-09-0001	BSPP 1/8"	6	9	27	7	14
R0373-09-0002	BSPP 1/4"	6	9	27	9	17
R0373-09-0003	BSPP 3/8"	6	9	27	9	19
R0373-09-0004	BSPP 3/8"	9	13	33	9	19
R0373-09-0005	BSPP 1/2"	9	13	35	12	24

**R0374** Innesto rapido con prolunga  
Quick plug with extension



**Descrizione:**

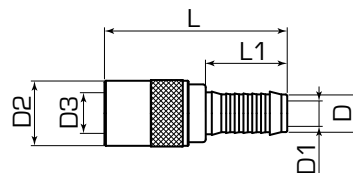
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0374-09-0001	8	5	9	63	21	9
R0374-09-0002	10	6	9	100	21	11
R0374-09-0003	10	6	9	120	21	11
R0374-09-0004	10	6	9	240	21	11
R0374-09-0005	10	6	9	360	21	11
R0374-09-0006	10	6	13	150	23	15
R0374-09-0007	14	9	13	150	23	15
R0374-09-0008	14	9	13	300	23	15

**R0375** Attacco rapido  
Quick coupling



**Descrizione:**

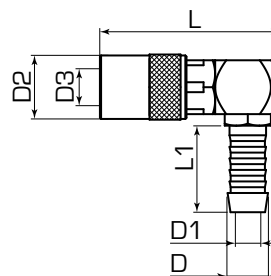
Esempio di ordinativo: R0375-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0375-09-0001  
Material: Brass

Codice Code	D	D1	D2	D3	L	L1	Tipo Type	
							con valvola with valve	senza valvola without valve
R0375-09	6	5	17	9.4	56	25.5	0001	0007
R0375-09	10	6	17	9.4	56	25.5	0002	0008
R0375-09	10	8	22	13.5	68	28	0003	0009
R0375-09	13	9	22	13.5	68	28	0004	0010
R0375-09	16	13	31	20	94	34	0005	0011
R0375-09	19	13	31	20	94	34	0006	0012

**R0376** Attacco rapido a 90°  
Quick coupling 90°



**Descrizione:**

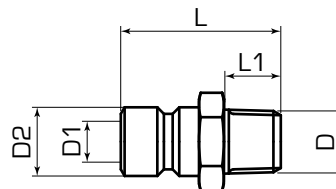
Esempio di ordinativo: R0376-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0376-09-0001  
Material: Brass

Codice Code	D	D1	D2	D3	L	L1	Tipo Type	
							con valvola with valve	senza valvola without valve
R0376-09	6	5	17	9.4	45	25.5	0001	0006
R0376-09	9	6	17	9.4	45	25.5	0002	0007
R0376-09	9	8	22	13.5	60	25	0003	0008
R0376-09	13	9	22	13.5	60	25	0004	0009
R0376-09	19	13	31	13.5	87	34	0005	0010

**R0377** Innesto rapido filetto maschio  
Male thread quick plug



**Descrizione:**

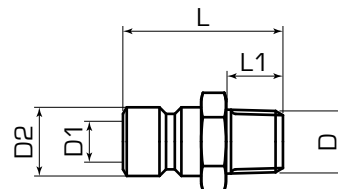
Esempio di ordinativo: R0377-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0377-09-0001  
Material: Brass

Codice Code	D	D1	D2	L	L1	CH	Tipo Type	
							BSPT	NPT
R0377-09	1/8"	6	9.4	17	9	13	0001	0013
R0377-09	1/4"	6	9.4	19	12	14	0002	0014
R0377-09	3/8"	6	9.4	21	12	17	0003	0015
R0377-09	M10 x 1	6	9.4	18	7	11	0004	
R0377-09	M14 x 1.5	6	9.4	18	9	15	0005	
R0377-09	M16 x 1.5	6	9.4	18	9	17	0006	
R0377-09	1/4"	9	13.5	30	12	14	0007	0016
R0377-09	3/8"	9	13.5	33	12	17	0008	0017
R0377-09	1/2"	9	13.5	33	16	22	0009	0018
R0377-09	M10 x 1	6.5	13.5	25	7	14	0010	
R0377-09	M14 x 1.5	9	13.5	27	9	15	0011	
R0377-09	M16 x 1.5	9	13.5	27	9	17	0012	

**R0379** Innesto rapido filetto maschio con valvola  
Male thread quick plug with valve



**Descrizione:**

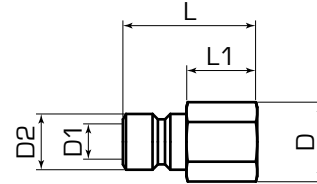
Esempio di ordinativo: R0379-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0379-09-0001  
Material: Brass

Codice Code	D	D1	D2	L	L1	CH	Tipo Type	
							BSPT	NPT
R0379-09	1/4"	6	9.4	29	12	14	0001	0011
R0379-09	3/8"	6	9.4	29	12	17	0002	0012
R0379-09	M14 x 1.5	6	9.4	29	12	15	0003	
R0379-09	1/4"	9	13.5	32.5	12	14	0004	0013
R0379-09	3/8"	9	13.5	32.5	12	17	0005	0014
R0379-09	1/2"	9	13.5	37	16	22	0006	0015
R0379-09	M14 x 1.5	6	13.5	30	10	15	0007	
R0379-09	M16 x 1.5	9	13.5	30	10	17	0008	
R0379-09	1/2"	15	20	45.5	12	22	0009	0016
R0379-09	3/4"	15	20	45.5	16	27	0010	0017

**R0380** Innesto rapido filetto femmina  
Female thread quick plug



**Descrizione:**

Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0380-09-0001	BSPP 1/8"	6	9.4	26	7	13
R0380-09-0002	BSPP 1/4"	6	9.4	29	9	16
R0380-09-0003	BSPP 3/8"	6	9.4	32	9	19
R0380-09-0004	BSPP 1/8"	9	13.5	37	9	17
R0380-09-0005	BSPP 1/4"	9	13.5	37	9	19
R0380-09-0006	BSPP 3/8"	9	13.5	40	12	24

**R0381** Innesto rapido con prolunga  
Quick plug with extension



**Descrizione:**

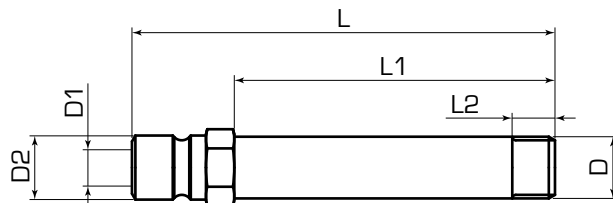
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	CH
R0381-09-0001	8	6	9.4	63	46	11
R0381-09-0002	8	6	9.4	100	77	11
R0381-09-0003	10	6	9.4	120	103	11
R0381-09-0004	10	6	9.4	240	223	11
R0381-09-0005	10	6	9.4	360	343	11
R0381-09-0006	14	9	13.5	150	127	14
R0381-09-0007	14	9	13.5	300	277	14

**R0382** Innesto rapido filetto maschio con prolunga  
Male thread quick plug with extension



**Descrizione:**

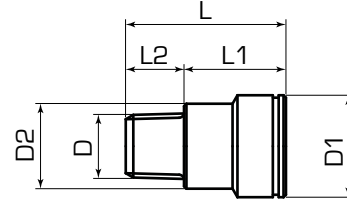
Esempio di ordinativo: R0382-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0382-09-0001  
Material: Brass

Codice Code	D	D1	D2	L	L1	L2	CH	Tipo Type	
								BSPT	NPT
R0382-09	1/8"	10	9.4	100	83	9	11	0001	0007
R0382-09	M10 x 1	10	9.4	100	83	9	11	0002	
R0382-09	1/4"	13.5	13.5	100	77	12	15	0003	0008
R0382-09	M10 x 1.5	14	13.5	100	77	12	15	0004	
R0382-09	3/8"	17	20	100	62	12	22	0005	0009
R0382-09	1/2"	21	20	100	62	12	22	0006	0010

**R0383** Attacco con filetto maschio  
Male thread socket



**Descrizione:**

Materiale: Ottone

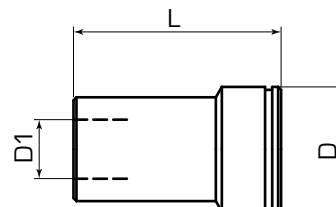
**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	L2	CH
R0383-09-0001	BSPT 1/8"	17	14	28.5	18.5	7.5	6
R0383-09-0002	BSPT 1/4"	17	14	28.5	15.5	11	6
R0383-09-0003	NPT 1/8"	17	14	28.5	18.5	7	6
R0383-09-0004	NPT 1/4"	17	-	28.5	-	11	6
R0383-09-0005	M10 x 1	17	14	28.5	18.5	8	6
R0383-09-0006	BSPT 1/8"	21	17.5	32	22	8	6
R0383-09-0007	BSPT 1/4"	21	17.5	33	21	10	8
R0383-09-0008	BSPT 3/8"	21	-	24	11	11	8
R0383-09-0009	NPT 1/8"	21	17.5	32	22	7	1/4"
R0383-09-0010	NPT 1/4"	21	17.5	33	21	11	5/16"
R0383-09-0011	NPT 3/8"	21	-	24	11	11	5/16"
R0383-09-0012	M10 x 1	21	17.5	32	22	8	6
R0383-09-0013	M10 x 1.5	21	17.5	32	22	8	6
R0383-09-0014	M14 x 1.5	21	17.5	32	21	8	6
R0383-09-0015	BSPT 3/8"	32	25	41	28	11	10
R0383-09-0016	BSPT 1/2"	32	25	44	28	14	14
R0383-09-0017	BSPT 3/4"	32	-	32	13	16.5	14
R0383-09-0018	NPT 3/8"	32	25	41	28	11	3/8"
R0383-09-0019	NPT 1/2"	32	25	44	28	14	9/16"
R0383-09-0020	NPT 3/4"	32	-	32	13	14	9/16"



**R0384** Attacco con filetto femmina  
Female thread socket



**Descrizione:**

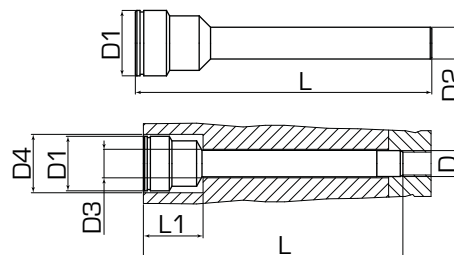
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	CH
R0384-09-0001	BSPP 1/8"	21	35	6
R0384-09-0002	BSPP 1/4"	21	39	8
R0384-09-0003	NPT 1/8"	21	35	1/4"
R0384-09-0004	NPT 1/4"	21	39	5/16"
R0384-09-0005	BSPP 3/8"	32	49	12
R0384-09-0006	BSPP 1/2"	32	50	12

**R0385** Attacco prolunga  
Extension socket



**Descrizione:**

Esempio di ordinativo: R0385-09-0001

Materiale: Ottone

Nota: i filetti sono da realizzare autonomamente

**Description:**

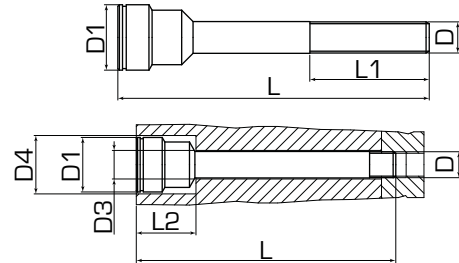
Example of purchasing order: R0385-09-0001

Material: Brass

Note: the threads must be realized independently

Codice Code	D	D1	D2	D3	D4	L1	CH	L						
								33-100	34-100	59-150	100-150	150-200	200-250	
R0385-09	1/8"	17	10.2	11	18.5	20	6	0001						
R0385-09	1/8"	21	10.2	11	22.5	23	6	0002				0003	0004	0005
R0385-09	1/4"	21	13.5	14	22.5	23	8		0006			0007	0008	0009
R0385-09	3/8"	32	17.2	18	33.5	43	14						0011	0012
R0385-09	1/2"	32	21.3	22	33.5	45	14						0014	0015

**R0386** Attacco prolunga con filetto  
Extension socket with thread



**Descrizione:**

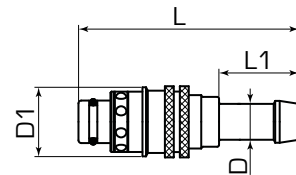
Esempio di ordinativo: R0386-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0386-09-0001  
Material: Brass

Codice Code	D	D1	D2	D3	L1	L2	CH	L							
								35-50	39-50	50-100	55-100	100-150	105-150	155-200	
R0386-09	BSPP 1/8"	21	11	22.5	26	21	6	0001							
R0386-09	BSPP 1/8"	21	11	22.5	60	21	6			0002		0003			
R0386-09	BSPP 1/4"	21	14	22.5	27	21	8		0004						
R0386-09	BSPP 1/4"	21	14	22.5	60	21	8				0005		0006	0007	

**R0387** Attacco rapido  
Quick coupling



**Descrizione:**

Materiale: Ottone

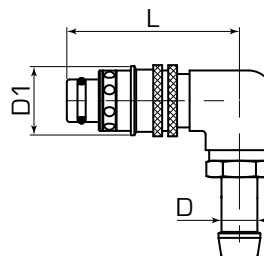
**Description:**

Material: Brass

Codice Code	Misura Size	D	D1	L	L1
R0387-09-0001	6	8	17	55	23
R0387-09-0002	8	6	20	66	28
R0387-09-0003	8	8	20	66	28
R0387-09-0004	8	10	20	66	28
R0387-09-0005	8	13	20	66	28
R0387-09-0006	12	13	28	78	33
R0387-09-0007	12	16	28	78	33

**R0388**

Attacco rapido 90°  
Quick coupling 90°



**Descrizione:**

Materiale: Ottone

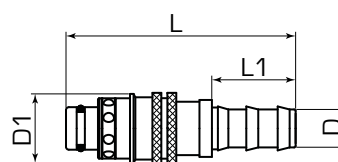
**Description:**

Material: Brass

Codice Code	Misura Size	D	D1	L
R0388-09-0001	8	6	20	45.5
R0388-09-0002	8	8	20	45.5
R0388-09-0003	8	10	20	45.5
R0388-09-0004	8	13	20	45.5
R0388-09-0005	12	13	28	54
R0388-09-0006	12	16	28	54

**R0389**

Attacco rapido per tubi autobloccanti  
Quick coupling for self-locking hose



**Descrizione:**

Materiale: Ottone

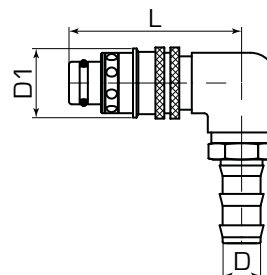
**Description:**

Material: Brass

Codice Code	Misura Size	D	D1	L	L1
R0387-09-0001	8	10	20	65	28
R0387-09-0002	8	13	20	69	28
R0387-09-0003	12	13	28	71	33
R0387-09-0004	12	16	28	82	33

**R0393**

Attacco rapido a 90° per tubi autobloccanti  
Quick coupling 90° for self-locking hose



**Descrizione:**

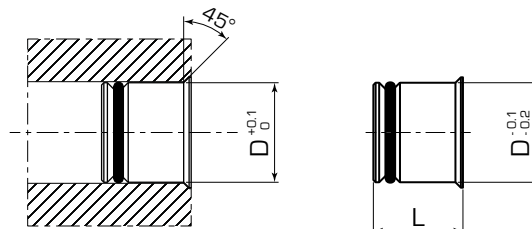
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	Misura Size	D	D1	L
R0393-09-0001	8	10	20	45.5
R0393-09-0002	8	13	20	45.5
R0393-09-0003	12	13	28	54
R0393-09-0004	12	16	28	54

## R0707 Tappo raffreddamento esterno Outer cooling plug



### Descrizione:

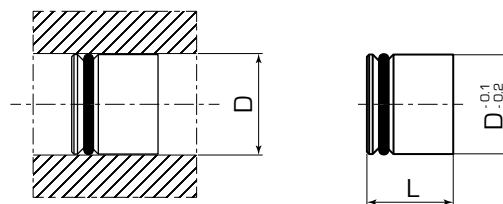
Materiale:  
Tappo: Ottone zincato  
O-Ring: VITON

### Description:

Material:  
Plug: Zinc-coated Brass  
O-Ring: VITON

Codice Code	D	L
R0707-09-0001	6	7
R0707-09-0002	8	9
R0707-09-0003	10	10
R0707-09-0004	14	12.5
R0707-09-0005	16	13.5
R0707-09-0006	20	13
R0707-09-0007	25	14.5

## R0708 Tappo raffreddamento interno Inner cooling plug



### Descrizione:

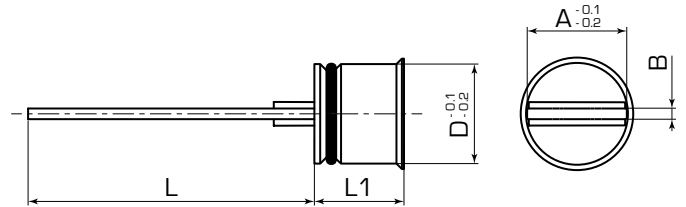
Materiale:  
Tappo: Ottone zincato  
O-Ring: VITON

### Description:

Material:  
Plug: Zinc-coated Brass  
O-Ring: VITON

Codice Code	D	L
R0708-09-0001	8	9.5
R0708-09-0002	10	9.5
R0708-09-0003	14	12.5
R0708-09-0004	16	13
R0708-09-0005	20	13
R0708-09-0006	25	13.5

**R0710** Raffreddatore a lama, serie foratrice  
Plug baffle, drilling series



**Descrizione:**

Esempio di ordinativo: R0710-09-0001

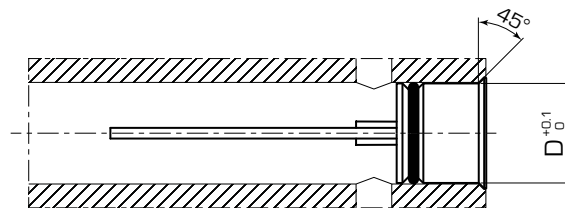
Parti e Materiali:  
Tappo: Ottone zincato  
O-Ring: VITON  
Lama: Ottone zincato

**Description:**

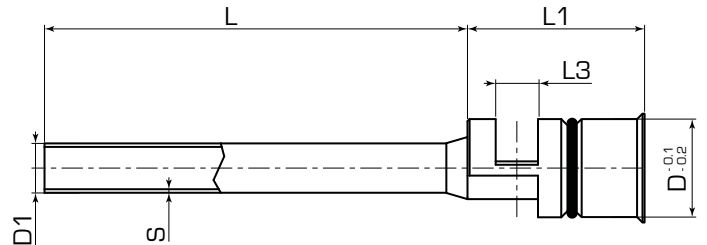
Example of purchasing order: R0710-09-0001

Parts and Materials:  
Plug: Zinc-coated Brass  
O-Ring: VITON  
Blade: Zinc-coated Brass

Codice Code	D	A	B	L1	L			
					150	200	300	400
R0710-09	8	8	1.5	10	0001	0002	0003	0004
R0710-09	10	10	1.5	10	0005	0006	0007	0008
R0710-09	14	14	1.5	13	0009	0010	0011	0012
R0710-09	16	16	1.5	13	0013	0014	0015	0016
R0710-09	20	20	1.5	13.5		0017	0018	0019



**R0712** Raffreddatore a fontana, serie foratrice  
Cascade water junction, drilling series



**Descrizione:**

Esempio di ordinativo: R0712-09-0001

Parti e Materiali:

Tappo: Ottone zincato

O-Ring: VITON

Tubo: Acciaio INOX

**Description:**

Example of purchasing order: R0712-09-0001

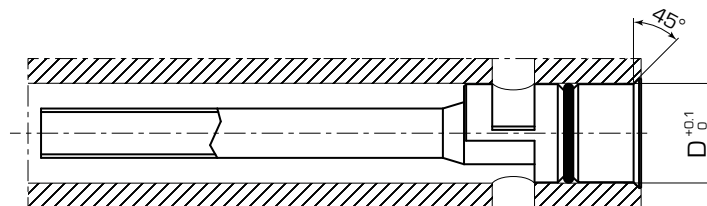
Parts and Materials:

Plug: Zinc-coated Brass

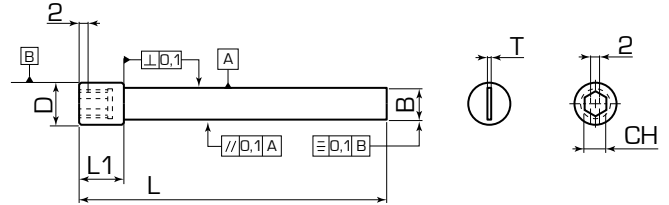
O-Ring: VITON

Rods: Stainless Steel

Codice Code	D	D1	L1	L3	S	L			
						150	200	300	400
R0712-09	8	4.4	18.5	6	0.35	0001	0002	0003	
R0712-09	10	5	22.5	8.05	0.35	0004	0005	0006	
R0712-09	14	9	28	11.4	0.35	0007	0008	0009	
R0712-09	16	10	31.5	12.7	0.5	0010	0011	0012	0013



## R0390 Tappo con lama Plug baffle



### Descrizione:

Esempio di ordinativo: R0390-09-0001  
Materiale: Ottone

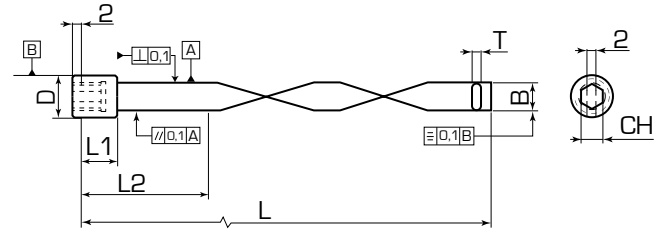
### Description:

Example of purchasing order: R0390-09-0001  
Material: Brass

Codice Code	D	B	T	L1	CH	L								
						100	125	150	200	250	300	400	500	
R0390-09	1/8" Gas	8.2	1.6	8	5	0001			0002					
R0390-09	1/4" Gas	11.2	2.4	10	7		0003			0004				
R0390-09	3/8" Gas	14.7	2.4	10	8			0005			0006			
R0390-09	1/2" Gas	18.2	2.4	10	10				0007			0008		
R0390-09	3/4" Gas	23.2	3.2	12	12						0009			0010
R0390-09	M8 x 0.75	6	1.6	8	4	0011				0012				
R0390-09	M10 x 1.0	8	1.6	8	5	0013				0014				
R0390-09	M12 x 1.5	10	2.4	8	6		0015				0016			
R0390-09	M14 x 1.5	12	2.4	10	6			0017				0018		
R0390-09	M16 x 1.5	14	2.4	10	8			0019					0020	
R0390-09	M18 x 1.5	16	2.4	10	8			0021						0022
R0390-09	M20 x 1.5	18	2.4	10	10			0023						0024
R0390-09	M24 x 2.0	20	3.2	12	12			0025						0026



**R0391** Tappo con lama a spirale  
Spiral plug baffle



**Descrizione:**

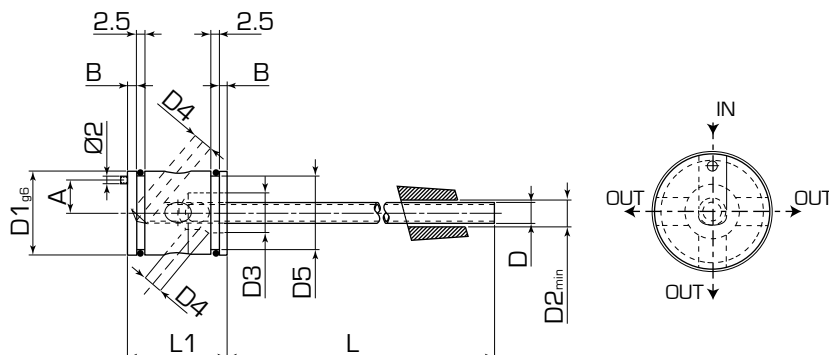
Esempio di ordinativo: R0391-09-0001  
Materiale: Ottone

**Description:**

Example of purchasing order: R0391-09-0001  
Material: Brass

Codice Code	D	B	T	L1	CH	L														
						100	125	150	200	200	250	300	400	500						
						L2														
						50	50	50	75	100	100	100	125	150						
R0391-09	1/16" Gas	6.5	1.6	8	4	0001					0002									
R0391-09	1/8" Gas	8.2	1.6	8	5	0003					0004									
R0391-09	1/4" Gas	11.2	2.4	10	7			0005				0006								
R0391-09	3/8" Gas	14.7	2.4	10	8				0007					0008						
R0391-09	1/2" Gas	18.2	2.4	10	10					0009					0010					
R0391-09	3/4" Gas	23.2	3.2	12	12									0011					0012	
R0391-09	M8 x 0.75	6	1.6	8	4	0013					0014									
R0391-09	M10 x 1.0	8	1.6	8	5	0015					0016									
R0391-09	M12 x 1.5	10	2.4	8	6			0017				0018								
R0391-09	M14 x 1.5	12	2.4	10	6				0019					0020						
R0391-09	M16 x 1.5	14	2.4	10	8					0021				0022						
R0391-09	M18 x 1.5	16	2.4	10	8						0023			0024						
R0391-09	M20 x 1.5	18	2.4	10	10							0025		0026						
R0391-09	M24 x 2.0	20	3.2	12	12								0027	0028						

## R0392 Raffreddatore a fontana Cascade water junction



### Descrizione:

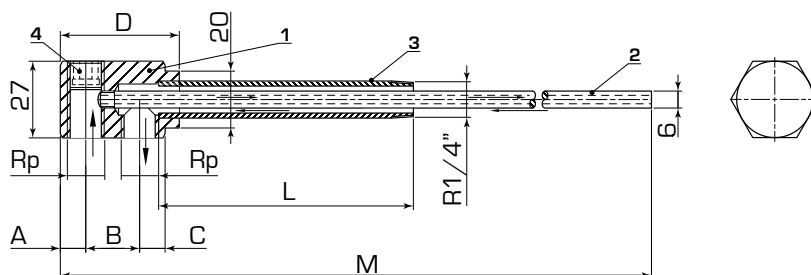
Parti e Materiali:  
Tubo: Acciaio nichelato  
Cilindro: Ottone nichelato

### Description:

Parts and Materials:  
Tube: Steel nickel plated  
Cylinder: Brass nickel plated

Codice Code	D	D1	L	D2 min	L1	A	B	D3	D4	D5
R0392-09-0001	0.8	10	160	1	15	3	1.1	4.2	2	7
R0392-09-0002	1.25	10	160	1.5	15	3	1.1	4.2	2	7
R0392-09-0003	1.65	10	160	2	15	3	1.1	4.2	2	7
R0392-09-0004	2.4	10	160	3.2	15	3	1.1	4.2	2	7
R0392-09-0005	3	10	160	4	15	3	1.1	4.2	2	7
R0392-09-0006	0.8	16	160	1	20	5.5	2.2	6	3	13
R0392-09-0007	0.8	16	300	1	20	5.5	2.2	6	3	13
R0392-09-0008	1.25	16	160	1.5	20	5.5	2.2	6	3	13
R0392-09-0009	1.25	16	300	1.5	20	5.5	2.2	6	3	13
R0392-09-0010	1.65	16	160	2	20	5.5	2.2	6	3	13
R0392-09-0011	1.65	16	300	2	20	5.5	2.2	6	3	13
R0392-09-0012	2.4	16	160	3.2	20	5.5	2.2	6	3	13
R0392-09-0013	2.4	16	300	3.2	20	5.5	2.2	6	3	13
R0392-09-0014	2.95	16	160	4	20	5.5	2.2	6	3	13
R0392-09-0015	2.95	16	300	4	20	5.5	2.2	6	3	13
R0392-09-0016	3.3	16	160	4.5	20	5.5	2.2	6	3	13
R0392-09-0017	3.3	16	300	4.5	20	5.5	2.2	6	3	13
R0392-09-0018	4	25	160	5	30	9.8	3.4	12	6	22
R0392-09-0019	4	25	300	5	30	9.8	3.4	12	6	22
R0392-09-0020	5	25	160	6	30	9.8	3.4	12	6	22
R0392-09-0021	5	25	300	6	30	9.8	3.4	12	6	22
R0392-09-0022	5.45	25	160	7	30	9.8	3.4	12	6	22
R0392-09-0023	5.45	25	300	7	30	9.8	3.4	12	6	22
R0392-09-0024	6	25	160	8	30	9.8	3.4	12	6	22
R0392-09-0025	6	25	300	8	30	9.8	3.4	12	6	22
R0392-09-0026	7.95	25	160	10	30	9.8	3.4	12	6	22
R0392-09-0027	7.95	25	300	10	30	9.8	3.4	12	6	22

## R0394 Raffreddatore a fontana Cascade water junction



### Descrizione:

Esempio di ordinativo: R0394-09-0001  
Materiale: Ottone  
Completo di prolunga

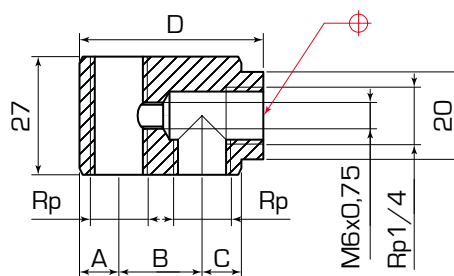
### Description:

Example of purchasing order: R0394-09-0001  
Material: Brass  
Extension pipes set

Codice Code	Rp	M	A	B	C	D	L			
							50	100	150	200
R0394-09	1/8"	356	9	19	9	42	0001	0002	0003	0004
R0394-09	1/4"	356	9	19	9	42	0005	0006	0007	0008
R0394-09	1/8"	362	9	26	12	54	0009	0010	0011	0012
R0394-09	1/4"	362	9	26	12	54	0013	0014	0015	0016

## 1

### Corpo raffreddatore a fontana senza prolunga Cascade water junction's body without extension



### Descrizione:

Materiale: Ottone

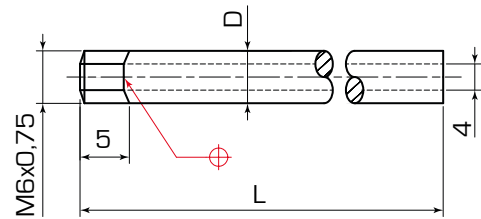
### Description:

Material: Brass

Codice Code	Rp	M	A	B	C	D
R0394-09-0017	1/8"	356	9	19	9	42
R0394-09-0018	1/4"	356	9	19	9	42
R0394-09-0019	1/8"	362	9	26	12	54
R0394-09-0020	1/4"	362	9	26	12	54

## 2

**Prolunga ricambio raffreddatore a fontana**  
Spare extension for cascade water junction



**Descrizione:**

Materiale: Ottone

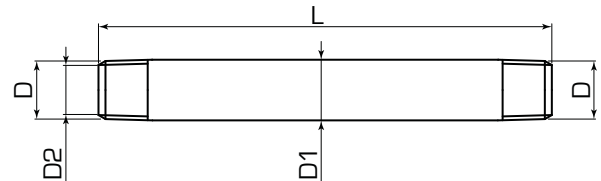
**Description:**

Material: Brass

Codice Code	D	L
R0394-09-0021	6	340

## 3

**Prolunga per raffreddatore a fontana**  
Extension for cascade water junction



**Descrizione:**

Materiale: Acciaio  
Esempio di ordinativo: R0514-09-0006

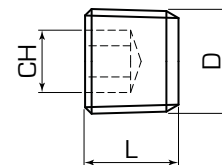
**Description:**

Material: Steel  
Example of purchasing order: R0514-09-0006

Codice Code	D	D1	D2	L				
				50	100	150	200	250
R0514-09	BSPT 1/4"	14	9	0006	0007	0008	0009	0010

## 4

**Tappo conico filettato**  
Conical ruffled plug



**Descrizione:**

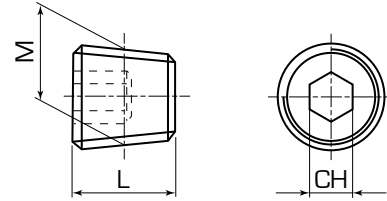
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	L	CH
R0396-09-0001	BSPT 1/8"	8	5
R0396-09-0002	BSPT 1/4"	10	7

**R0168** Tappo conico DIN 906  
Conical plug DIN 906



**Descrizione:**

Materiale: Acciaio 5.8 fosfatato

**Description:**

Material: Steel 5.8 phoshated

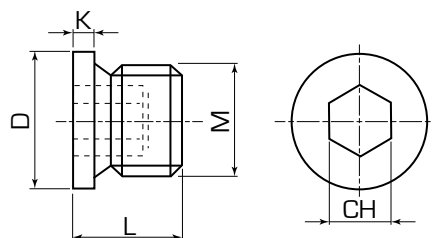
**Passi metrici**  
**Meters sizes**

Codice Code	M	L	CH	Passo Thread pitch
R0168-01-0001	M6	6	3	1
R0168-01-0002	M8	8	4	1
R0168-01-0003	M10	8	5	1
R0168-01-0004	M12	10	6	1.5
R0168-01-0005	M14	10	7	1.5
R0168-01-0006	M16	10	8	1.5
R0168-01-0007	M18	10	8	1.5
R0168-01-0008	M20	10	10	1.5
R0168-01-0009	M22	10	10	1.5
R0168-01-0010	M24	12	12	1.5
R0168-01-0011	M26	12	12	1.5
R0168-01-0012	M30	12	17	1.5
R0168-01-0013	M36	15	19	1.5
R0168-01-0014	M38	15	19	1.5
R0168-01-0015	M42	18	22	1.5
R0168-01-0016	M42	18	22	2
R0168-01-0017	M48	20	24	1.5
R0168-01-0018	M48	20	24	2

**Passi in pollici**  
**Inches sizes**

Codice Code	M	L	CH
R0168-01-0019	1/8" Gas	8	5
R0168-01-0020	1/4" Gas	10	7
R0168-01-0021	3/8" Gas	10	8
R0168-01-0022	1/2" Gas	10	10
R0168-01-0023	3/4" Gas	12	12
R0168-01-0024	1" Gas	12	17
R0168-01-0025	1 1/4" Gas	18	22
R0168-01-0026	1 1/2" Gas	22	24

## R0169 Tappo cilindrico con battuta DIN 908 Cylindrical plug with head DIN 908



### Descrizione:

Materiale: Acciaio 5.8 fosfatato

### Description:

Material: Steel 5.8 phoshated

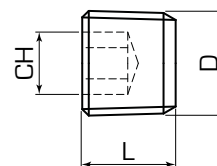
### Passi metrici Meters sizes

Codice Code	D	L	K	M	CH	Passo Thread pitch
R0169-01-0001	12	11	3	M8	4	1
R0169-01-0002	14	11	3	M10	5	1
R0169-01-0003	17	15	3	M12	6	1.5
R0169-01-0004	19	15	3	M14	6	1.5
R0169-01-0005	21	15	3	M16	8	1.5
R0169-01-0006	23	16	4	M18	8	1.5
R0169-01-0007	25	18	4	M20	10	1.5
R0169-01-0008	27	18	4	M22	10	1.5
R0169-01-0009	29	18	4	M24	12	1.5
R0169-01-0010	31	20	4	M26	12	1.5
R0169-01-0011	32	20	4	M27	12	2
R0169-01-0012	36	20	4	M30	17	1.5
R0169-01-0013	39	21	5	M33	17	2
R0169-01-0014	42	21	5	M36	19	1.5
R0169-01-0015	44	21	5	M38	19	1.5
R0169-01-0016	49	21	5	M42	22	1.5
R0169-01-0017	52	21	5	M45	22	1.5
R0169-01-0018	55	21	5	M48	24	1.5

### Passi in pollici Inches sizes

Codice Code	M	L	D	K	CH
R0169-01-0019	1/8" Gas	11	14	3	5
R0169-01-0020	1/4" Gas	15	18	3	6
R0169-01-0021	3/8" Gas	15	22	3	8
R0169-01-0022	1/2" Gas	18	26	4	10
R0169-01-0023	3/4" Gas	20	32	4	12
R0169-01-0024	1" Gas	21	39	5	17
R0169-01-0025	1 1/4" Gas	21	49	5	22
R0169-01-0026	1 1/2" Gas	21	55	5	24
R0169-01-0027	2" Gas	25	68	5	32

**R0396** Tappo conico DIN 906  
Conical plug DIN 906



**Descrizione:**

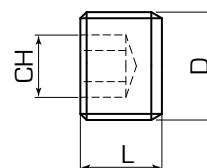
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	L	CH
R0396-09-0001	BSPT 1/8"	8	5
R0396-09-0002	BSPT 1/4"	10	7
R0396-09-0003	BSPT 3/8"	10	8
R0396-09-0004	BSPT 1/2"	10	10
R0396-09-0005	M8 x 075	8	4
R0396-09-0006	M10 x 1	8	5
R0396-09-0007	M12 x 1.5	8	6
R0396-09-0008	M14 x 1.5	10	7

**R0397** Tappo cilindrico DIN 908  
Cylindrical plug DIN 908



**Descrizione:**

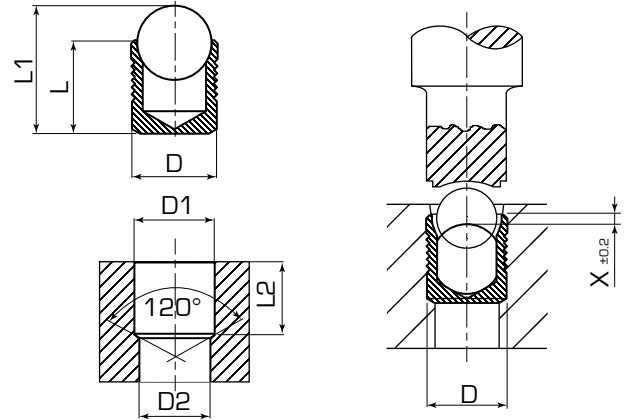
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	L	CH
R0397-09-0001	BSPP 1/8"	8	5
R0397-09-0002	BSPP 1/4"	10	7
R0397-09-0003	BSPP 3/8"	10	8
R0397-09-0004	BSPP 1/2"	10	10
R0397-09-0005	M8 x 075	8	4
R0397-09-0006	M10 x 1	8	5
R0397-09-0007	M12 x 1.5	8	6
R0397-09-0008	M14 x 1.5	10	7

## R0549 Tappo cilindrico con battuta DIN 908 Cylindrical plug with head DIN 908



### Descrizione:

Parti e Materiali:  
Corpo: temprato cementato acciaio placcato in zinco, rivestimento spessore passivato, senza CR-(VI).  
Sfera: Acciaio per cuscinetti a sfera, con trattamento termico.

### Description:

Parts and Materials:  
Sleeve: Case hardening steel zinc plated, thick coat passivated, CR-(VI)-free.  
Ball: Bearing steel, heat treatment.

Codice Code	D	D1	D2	L	L1	L2	X	Imballaggio Packaging unit	
R0549-09-0001	3.0	3.0	2.2	3.6	4.6	3.4	0.4	100	1000
R0549-09-0002	4.0	4.0	3.3	4.0	5.2	3.8	0.2	100	2000
R0549-09-0003	5.0	5.0	4.3	5.5	7.1	5.3	0.4	100	2000
R0549-09-0004	6.0	6.0	5.3	6.5	8.6	6.3	0.4	100	2000
R0549-09-0005	7.0	7.0	6.4	7.5	10.1	7.3	0.4	100	1000
R0549-09-0006	8.0	8.0	7.4	8.5	11.6	8.3	0.3	50	1000
R0549-09-0007	9.0	9.0	8.4	10.0	13.6	9.8	0.4	50	500
R0549-09-0008	10.0	10.0	9.4	11.0	15.1	10.8	0.4	50	500
R0549-09-0009	12.0	12.0	10.6	13.0	17.9	12.8	0.4	50	250
R0549-09-0010	14.0	14.0	12.7	15.0	20.6	14.5	0.4	50	250
R0549-09-0011	16.0	16.0	14.7	17.0	23.4	16.5	0.6	25	100
R0549-09-0012	18.0	18.0	16.7	19.0	26.4	18.5	0.6	25	100
R0549-09-0013	20.0	20.0	18.7	22.0	30.1	21.5	0.8	25	100
R0549-09-0014	22.0	22.0	20.7	25.0	34.0	24.5	0.8	25	50

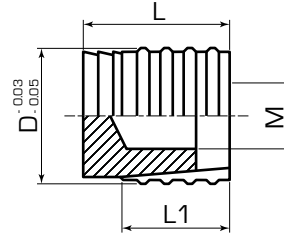
### Pressione

### Pressure performance

D	Materiale base per l'installazione Base material of the installation						
	ETG-100/ 44SMn28 AISI 1144	C15Pb 1.0403	EN-GJL-250 EN 1561	EN-GJL-500-7 EN 1563	AlCu4Mg1 EN AW-2024-T3	AlMgSiPb EN AW-6012-T6	G-AlSi7Mg EN AC-42100
ø 3-10	1.100 Bar/16.000 psi 350 bar/5.100 psi					1.000 Bar/14.500 psi 320 bar/4.600 psi	
ø 12-22	900 Bar/13.000 psi 280 bar/4.100 psi					800 Bar/11.600 psi 250 bar/3.600 psi	



**R0640** Tappo di chiusura  
Sealing plug



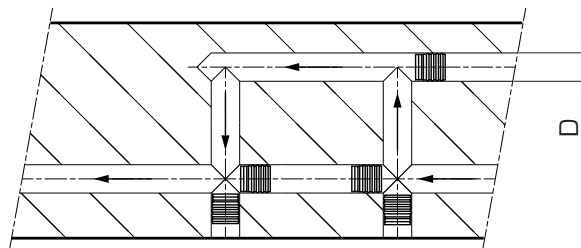
**Descrizione:**

Materiale: Ottone MS58, Acciaio Inossidabile

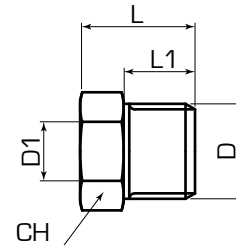
**Description:**

Material: MS58 Brass, Stainless Steel

Codice Code	D	M	L	L1
R0640-09-0001	6	M3	11.5	8
R0640-09-0002	7	M3	11.5	8
R0640-09-0003	8	M4	11.5	8
R0640-09-0004	10	M6	14	10
R0640-09-0005	12	M6	14	10
R0640-09-0006	14	M6	17	12
R0640-09-0007	15	M8	17	12
R0640-09-0008	16	M8	17	12
R0640-09-0009	20	M8	17	12



**R0506** Adattatore con cono interno con filettatura maschio DIN 3863  
Male thread adapter with inner cone DIN 3863



**Descrizione:**

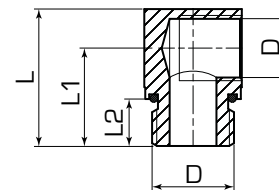
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	L1	CH
R0506-09-0001	BSPP 1/4"	BSPP 1/8"	11	7	17
R0506-09-0002	BSPP 3/8"	BSPP 1/4"	13	9	19
R0506-09-0003	BSPP 1/2"	BSPP 3/8"	18	12	24
R0506-09-0004	BSPP 3/4"	BSPP 1/2"	24	16	27
R0506-09-0005	M14 x 1.5	M10 x 1	11	7	17
R0506-09-0006	M18 x 1.5	M14 x 1.5	14	9	21
R0506-09-0007	M24 x 1.5	M16 x 1.5	24	16	27

**R0508** Adattatore a 90° con filetto maschio - femmina  
Male - female thread adapter 90°



**Descrizione:**

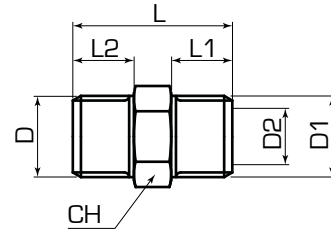
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	L1	L2	CH
R0508-09-0001	BSPP 1/4"	BSPP 1/8"	25	17	9	15
R0508-09-0002	BSPP 3/8"	BSPP 1/4"	27.5	19	9	20
R0508-09-0003	BSPP 1/2"	BSPP 3/8"	35	25	15	25

**R0507** Adattatore con filetto maschio - maschio  
Male - male thread adapter



**Descrizione:**

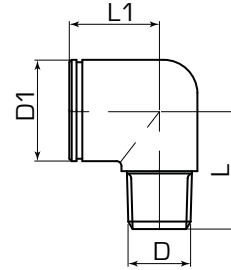
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	D2	L	L1	L2	CH
R0507-09-0001	BSPP 1/4"	BSPP 1/4"	6	23	9	9	17
R0507-09-0002	BSPP 3/8"	BSPP 3/8"	9	23	9	9	19
R0507-09-0003	BSPP 1/2"	BSPP 1/2"	13	30	12	12	22
R0507-09-0004	BSPP 3/4"	BSPP 3/4"	13	40	16	16	27
R0507-09-0005	BSPP 1/4"	M14 x 1.5	6	23	9	9	17
R0507-09-0006	BSPP 1/4"	M16 x 1.5	6	23	9	9	19
R0507-09-0007	BSPP 3/8"	M14 x 1.5	8	23	9	9	19
R0507-09-0008	BSPP 3/8"	M16 x 1.5	9	23	9	9	19
R0507-09-0009	BSPP 1/2"	M14 x 1.5	6	30	12	9	22
R0507-09-0010	BSPP 1/2"	M16 x 1.5	9	30	12	9	22
R0507-09-0011	BSPP 1/2"	M24 x 1.5	13	36	16	12	27
R0507-09-0012	BSPP 3/4"	M24 x 1.5	13	40	16	16	27
R0507-09-0013	M14 x 1.5	M14 x 1.5	6	23	9	9	17
R0507-09-0014	M16 x 1.5	M16 x 1.5	9	23	9	9	19
R0507-09-0015	M24 x 1.5	M24 x 1.5	13	40	16	16	27
R0507-09-0016	M14 x 1.5	M16 x 1.5	9	23	9	9	17
R0507-09-0017	M14 x 1.5	M18 x 1.5	9	26	12	9	19
R0507-09-0018	M16 x 1.5	M18 x 1.5	9	26	12	9	19

**R0509** Raccordo a 90° con filetto maschio  
Male thread socket 90°



**Descrizione:**

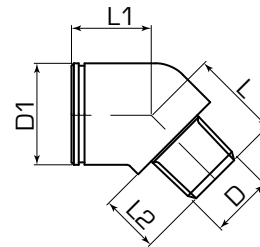
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	L1	L2	CH
R0509-09-0001	BSPT 1/8"	22	23	22	10	19
R0509-09-0002	BSPT 1/4"	22	25	22	12	19
R0509-09-0003	BSPT 3/8"	22	26	22	13	19
R0509-09-0004	NPT 1/4"	22	27	22	14	19

**R0510** Raccordo a 45° con filetto maschio  
Male thread socket 45°



**Descrizione:**

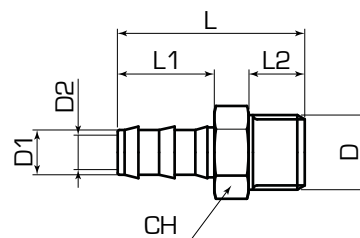
Materiale: Ottone

**Description:**

Material: Brass

Codice Code	D	D1	L	L1	L2	CH
R0509-09-0001	BSPT 1/8"	22	16.5	18.5	10	19
R0509-09-0002	BSPT 1/4"	22	16.5	18.5	12	19
R0509-09-0003	BSPT 3/8"	22	16.5	18.5	12	19

## R0511 Raccordo filetto maschio portagomma Male thread socket for rubber hose



### Descrizione:

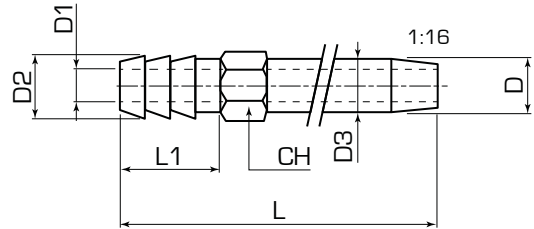
Materiale: Ottone

### Description:

Material: Brass

Codice Code	D	D1	D2	L	L1	L2	CH
R0511-09-0001	BSPP 1/8"	6	4	39	28	7	14
R0511-09-0002	BSPP 1/8"	10	5	39	28	7	14
R0511-09-0003	BSPP 1/4"	6	4	39	28	9	17
R0511-09-0004	BSPP 1/4"	10	8	39	28	9	17
R0511-09-0005	BSPP 1/4"	13	9	39	28	9	17
R0511-09-0006	BSPP 3/8"	10	8	39	28	9	19
R0511-09-0007	BSPP 3/8"	13	10	43	28	9	19
R0511-09-0008	BSPP 1/2"	10	8	43	28	10	22
R0511-09-0009	BSPP 1/2"	13	10	43	28	10	22
R0511-09-0010	BSPP 1/2"	16	13	58	38	10	22
R0511-09-0011	BSPP 3/4"	16	13	62	38	16	27
R0511-09-0012	BSPP 3/4"	19	16	62	38	16	27
R0511-09-0013	M10 x 1	9	6	39	28	7	11
R0511-09-0014	M14 x 1.5	13	8	39	28	9	15

**R0512** Raccordo filetto maschio con portagomma  
Male socket long type for rubber hose



**Descrizione:**

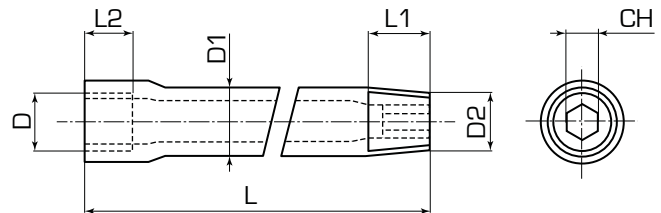
[\*]: articoli senza terminale filettato

**Description:**

[\*]: items without thread

Codice Code	D	L	CH	D1	D2	D3	Serie Series
R0512-09-0001*	1/8" Gas	100	11	6	9	10	06
R0512-09-0002	1/8" Gas	150	11	6	9	10	06
R0512-09-0003	1/8" Gas	250	11	6	9	10	06
R0512-09-0004*	1/4" Gas	150	15	9	13	14	09
R0512-09-0005	1/4" Gas	250	15	9	13	14	09

**R0513** Prolunga con filetto maschio - femmina  
Extension with male - female thread



**Descrizione:**

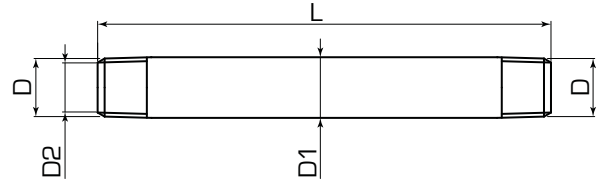
Esempio di ordinativo: R0513-09-0001  
Materiale: Acciaio

**Description:**

Example of purchasing order: R0513-09-0001  
Material: Steel

Codice Code	D	D1	D2	L1	L2	CH	L				
							50	75	100	125	150
R0513-09	1/8"	10	R1/8"	9	11	5	0001	0002	0003	0004	
R0513-09	1/4"	14	R1/4"	10	12	8	0005	0006	0007	0008	0009

## R0514 Prolunga con filetto maschio Extention with male thread



### Descrizione:

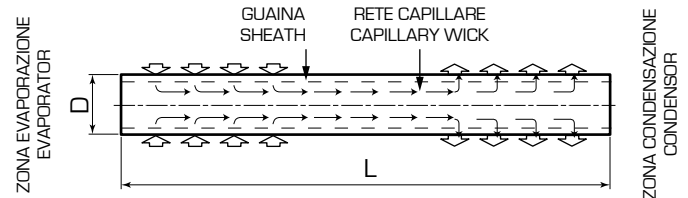
Esempio di ordinativo: R0514-09-0001  
Materiale: Acciaio

### Description:

Example of purchasing order: R0514-09-0001  
Material: Steel

Codice Code	D	D1	D2	L	Filettatura Thread	
					BSPT	NPT
R0514-09	1/8"	10	6	50	0001	0020
R0514-09	1/8"	10	6	100	0002	0021
R0514-09	1/8"	10	6	150	0003	0022
R0514-09	1/8"	10	6	200	0004	0023
R0514-09	1/8"	10	6	250	0005	0024
R0514-09	1/4"	14	9	50	0006	0025
R0514-09	1/4"	14	9	100	0007	0026
R0514-09	1/4"	14	9	150	0008	0027
R0514-09	1/4"	14	9	200	0009	0028
R0514-09	1/4"	14	9	250	0010	0029
R0514-09	3/8"	17	13	50	0011	0030
R0514-09	3/8"	17	13	100	0012	0031
R0514-09	3/8"	17	13	150	0013	0032
R0514-09	3/8"	17	13	200	0014	0033
R0514-09	3/8"	17	13	250	0015	0034
R0514-09	1/2"	22	16	100	0016	0035
R0514-09	1/2"	22	16	150	0017	0036
R0514-09	1/2"	22	16	200	0018	0037
R0514-09	1/2"	22	16	250	0019	0038

## R0395 Tubi trasferimento calore Heat transfer rods



### Descrizione:

Esempio di ordinativo: **R0395-09-0001**

Materiale: Ottone

Tolleranza D: 0/-0.01 se D≤12, 0/0.02 se D>12

La temperatura di lavoro a cui possono essere utilizzati i tubi trasferimento calore è diversa in funzione del tipo di tubo:

Tipo 1: 5°C - 100°C tubi standard

Tipo 2: 5°C - 100°C tubi standard con estremità filettata

Tipo 3: 50°C - 250°C tubi standard

Tipo 4: 50°C - 250°C tubi standard con estremità filettata

Tipo 5: 150°C - 500°C tubi standard

Tipo 6: 150°C - 500°C tubi standard con estremità filettata

### Description:

Example of purchasing order: **R0395-09-0001**

Material: Brass

Tolerance D: 0/-0.01 if D≤12, 0/0.02 if D>12

The service temperature for the heat transfer rods is:

Type 1: 5°C - 100°C standard heat pipes

Type 2: 5°C - 100°C standard threaded heat pipes

Type 3: 50°C - 250°C standard heat pipes

Type 4: 50°C - 250°C standard threaded heat pipes

Type 5: 150°C - 500°C standard heat pipes

Type 6: 150°C - 500°C standard threaded heat pipes

Codice Code	D	Tipo Type	L									
			50	65	80	90	120	160	200	270	320	
R0395-09	2	1	0001	0245	0247	0249	0251					
R0395-09	2	2	0002	0246	0248	0250	0252					
R0395-09	2	3	0253	0255	0257	0259	0261					
R0395-09	2	4	0254	0256	0258	0260	0262					
R0395-09	3	1	0017	0263	0265	0267	0269					
R0395-09	3	2	0018	0264	0266	0268	0270					
R0395-09	3	3	0271	0273	0275	0277	0279					
R0395-09	3	4	0272	0274	0276	0278	0280					
R0395-09	3	5	0019	0281	0283	0285	0287					
R0395-09	3	6	0020	0282	0284	0286	0288					
R0395-09	4	1	0041	0289	0291	0293	0295	0297	0061			
R0395-09	4	2	0042	0290	0292	0294	0296	0298	0062			
R0395-09	4	3	0299	0301	0303	0305	0307	0309	0311			
R0395-09	4	4	0300	0302	0304	0306	0308	0310	0312			
R0395-09	4	5	0043	0313	0315	0317	0319	0321	0063			
R0395-09	4	6	0044	0314	0316	0318	0320	0322	0064			
R0395-09	5	1	0069	0323	0235	0327	0329	0331	0089			
R0395-09	5	2	0070	0324	0326	0328	0330	0332	0090			
R0395-09	5	3	0333	0335	0337	0339	0341	0343	0345			
R0395-09	5	4	0334	0336	0338	0340	0342	0344	0346			
R0395-09	5	5	0071	0347	0349	0351	0353	0355	0091			
R0395-09	5	6	0072	0348	0350	0352	0354	0356	0092			
R0395-09	6	1	0097	0357	0359	0361	0363	0365	0117	0367		
R0395-09	6	2	0098	0358	0360	0362	0364	0366	0118	0368		
R0395-09	6	3	0369	0371	0373	0375	0377	0379	0381	0383		
R0395-09	6	4	0370	0372	0374	0376	0378	0380	0382	0384		
R0395-09	6	5	0099	0385	0387	0389	0391	0393	0119	0395		
R0395-09	6	6	0100	0386	0388	0390	0392	0394	0120	0396		
R0395-09	8	1	0397	0399	0401	0403	0405	0407	0137	0409		
R0395-09	8	2	0398	0400	0402	0404	0406	0408	0138	0410		

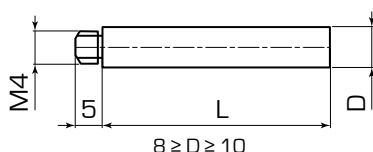
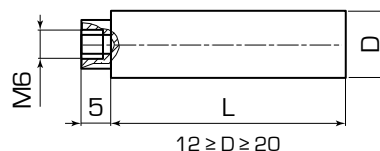
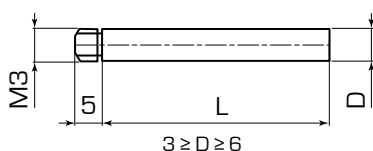


## R0395 Tubi trasferimento calore Heat transfer rods

TIPO 1-3-5  
TYPE 1-3-5



TIPO 2-4-6  
TYPE 2-4-6



### Descrizione:

Esempio di ordinativo: R0395-09-0001

Materiale: Ottone

Tolleranza D: 0/-0.01 se D≤12, 0/0.02 se D>12

La temperatura di lavoro a cui possono essere utilizzati i tubi trasferimento calore è diversa in funzione del tipo di tubo:

Tipo 1: 5°C - 100°C tubi standard

Tipo 2: 5°C - 100°C tubi standard con estremità filettata

Tipo 3: 50°C - 250°C tubi standard

Tipo 4: 50°C - 250°C tubi standard con estremità filettata

Tipo 5: 150°C - 500°C tubi standard

Tipo 6: 150°C - 500°C tubi standard con estremità filettata

### Description:

Example of purchasing order: R0395-09-0001

Material: Brass

Tolerance D: 0/-0.01 if D≤12, 0/0.02 if D>12

The service temperature for the heat transfer rods is:

Type 1: 5°C - 100°C standard heat pipes

Type 2: 5°C - 100°C standard threaded heat pipes

Type 3: 50°C - 250°C standard heat pipes

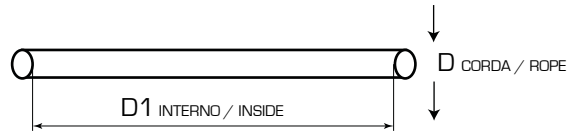
Type 4: 50°C - 250°C standard threaded heat pipes

Type 5: 150°C - 500°C standard heat pipes

Type 6: 150°C - 500°C standard threaded heat pipes

Codice Code	D	Tipo Type	L								
			50	65	80	90	120	160	200	270	320
R0395-09	8	3	0411	0413	0415	0417	0419	0421	0423	0425	
R0395-09	8	4	0412	0414	0416	0418	0420	0422	0424	0426	
R0395-09	8	5	0427	0429	0431	0433	0435	0437	0139	0439	
R0395-09	8	6	0428	0430	0432	0434	0436	0438	0140	0440	
R0395-09	10	1	0441	0443	0445	0447	0449	0451	0161	0453	0455
R0395-09	10	2	0442	0444	0446	0448	0450	0452	0162	0454	0456
R0395-09	10	3	0457	0459	0461	0463	0465	0467	0469	0471	0473
R0395-09	10	4	0458	0460	0462	0464	0466	0468	0470	0472	0474
R0395-09	10	5	0475	0477	0479	0481	0483	0485	0163	0487	0489
R0395-09	10	6	0476	0478	0480	0482	0484	0486	0164	0488	0490
R0395-09	12	1	0491	0493	0495	0497	0499	0501	0185	0503	0505
R0395-09	12	2	0492	0494	0496	0498	0500	0502	0186	0504	0506
R0395-09	12	3	0507	0509	0511	0513	0515	0517	0519	0521	0523
R0395-09	12	4	0508	0510	0512	0514	0516	0518	0520	0522	0524
R0395-09	12	5	0525	0527	0529	0531	0533	0535	0187	0537	0539
R0395-09	12	6	0526	0528	0530	0532	0534	0536	0188	0538	0540
R0395-09	16	1	0541	0543	0545	0547	0549	0551	0209	0553	0555
R0395-09	16	2	0543	0544	0546	0548	0550	0552	0210	0554	0556
R0395-09	16	3	0557	0559	0561	0563	0565	0567	0569	0571	0573
R0395-09	16	4	0558	0560	0562	0564	0566	0568	0570	0572	0574
R0395-09	16	5	0575	0577	0579	0581	0583	0585	0211	0587	0589
R0395-09	16	6	0576	0578	0580	0582	0584	0586	0212	0588	0590
R0395-09	20	1	0591	0593	0595	0597	0599	0601	0233	0603	0605
R0395-09	20	2	0592	0594	0596	0598	0600	0602	0234	0604	0606
R0395-09	20	3	0607	0609	0611	0613	0615	0617	0619	0621	0623
R0395-09	20	4	0608	0610	0612	0614	0616	0618	0620	0622	0624
R0395-09	20	5	0625	0627	0629	0631	0633	0635	0235	0637	0639
R0395-09	20	6	0626	0628	0630	0632	0634	0636	0236	0638	0640

## R0159 O-Ring - OR O-Ring - OR



### Descrizione:

Esempio di ordinativo: **R0159-01-0001**  
Materiale: NBR, VITON

### Description:

Example of purchasing order: **R0159-01-0001**  
Material: NBR, VITON

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
1.78	1.78	004	2007	0001	0002
1.78	2.57	005	2010	0003	0004
1.78	2.90	006	2012	0005	0006
1.78	3.69	007	2015	0007	0008
1.78	4.48	008	2018	0009	0010
1.78	5.28	009	2021	0011	0012
1.78	6.07	010	2025	0013	0014
1.78	6.75	610	106	0015	0016
1.78	7.65	011	2031	0017	0018
1.78	8.73	611	108	0019	0020
1.78	9.25	012	2037	0021	0022
1.78	10.82	013	2043	0023	0024
1.78	11.11	806	114	0025	0026
1.78	12.42	014	2050	0027	0028
1.78	14.00	015	2056	0029	0030
1.78	15.60	016	2062	0031	0032
1.78	17.17	017	2068	0033	0034
1.78	18.77	018	2075	0035	0036
1.78	20.35	019	2081	0037	0038
1.78	21.95	020	2087	0039	0040
1.78	23.52	021	2093	0041	0042
1.78	25.12	022	2100	0043	0044
1.78	26.70	023	2106	0045	0046
1.78	28.30	024	2112	0047	0048
1.78	29.87	025	2118	0049	0050
1.78	31.47	026	2125	0051	0052
1.78	33.05	027	2131	0053	0054
1.78	34.65	028	2137	0055	0056
1.78	37.82	029	2150	0057	0058
1.78	41.00	030	2162	0059	0060
1.78	44.17	031	2175	0061	0062
1.78	47.35	032	2187	0063	0064
1.78	50.52	033	2200	0065	0066
1.78	53.70	034	2212	0067	0068
1.78	56.87	035	2225	0069	0070
1.78	60.05	036	2237	0071	0072
1.78	63.22	037	2250	0073	0074
1.78	66.40	038	2262	0075	0076
1.78	69.57	039	2275	0077	0078
1.78	72.75	040	2287	0079	0080
1.78	75.92	041	2300	0081	0082
1.78	82.27	042	2325	0083	0084
1.78	88.62	043	2350	0085	0086
1.78	94.97	044	2375	0087	0088
1.78	101.37	045	2400	0089	0090
1.78	107.67	046	2425	0091	0092
1.78	114.02	047	2450	0093	0094
1.78	120.37	048	2475	0095	0096
1.78	126.72	049	2500	0097	0098
1.78	133.07	050	2525	0099	0100
2.62	1.24	102	.....	0101	0102

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
2.62	2.06	103	.....	0103	0104
2.62	2.84	104	.....	0105	0106
2.62	3.63	105	.....	0107	0108
2.62	4.42	106	.....	0109	0110
2.62	5.23	107	3021	0111	0112
2.62	6.02	108	3024	0113	0114
2.62	7.59	109	3030	0115	0116
2.62	9.19	110	3037	0117	0118
2.62	9.92	613	112	0119	0120
2.62	10.78	111	3043	0121	0122
2.62	11.91	614	115	0123	0124
2.62	12.37	112	3050	0125	0126
2.62	13.10	615	117	0127	0128
2.62	13.95	113	3056	0129	0130
2.62	15.08	616	119	0131	0132
2.62	15.54	114	3062	0133	0134
2.62	15.88	809	121	0135	0136
2.62	17.13	115	3068	0137	0138
2.62	17.86	617	123	0139	0140
2.62	18.72	116	3075	0141	0142
2.62	20.21	117	3081	0143	0144
2.62	20.63	812	128	0145	0146
2.62	21.89	118	3087	0147	0148
2.62	22.22	813	130	0149	0150
2.62	23.47	119	3093	0151	0152
2.62	23.81	814	132	0153	0154
2.62	25.07	120	3100	0155	0156
2.62	26.65	121	3106	0157	0158
2.62	28.25	122	3112	0159	0160
2.62	29.82	123	3118	0161	0162
2.62	31.42	124	3125	0163	0164
2.62	32.99	125	3131	0165	0166
2.62	34.60	126	3137	0167	0168
2.62	36.14	127	3143	0169	0170
2.62	37.77	128	3150	0171	0172
2.62	39.34	129	3156	0173	0174
2.62	40.95	130	3162	0175	0176
2.62	42.52	131	3168	0177	0178
2.62	44.12	132	3175	0179	0180
2.62	45.69	133	3181	0181	0182
2.62	47.30	134	3187	0183	0184
2.62	48.89	135	3193	0185	0186
2.62	50.47	136	3200	0187	0188
2.62	52.07	137	3206	0189	0190
2.62	53.65	138	3212	0191	0192
2.62	55.25	139	3218	0193	0194
2.62	56.82	140	3225	0195	0196
2.62	58.42	141	3231	0197	0198
2.62	60.00	142	3237	0199	0200
2.62	61.60	143	3243	0201	0202
2.62	63.17	144	3250	0203	0204
2.62	64.77	145	3256	0205	0206

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
2.62	66.35	146	3262	0207	0208
2.62	67.95	147	3268	0209	0210
2.62	69.52	148	3275	0211	0212
2.62	71.12	149	3281	0213	0214
2.62	72.69	150	3287	0215	0216
2.62	75.87	151	3300	0217	0218
2.62	82.22	152	3325	0219	0220
2.62	88.57	153	3350	0221	0222
2.62	94.92	154	3375	0223	0224
2.62	101.27	155	3400	0225	0226
2.62	107.62	156	3425	0227	0228
2.62	113.97	157	3450	0229	0230
2.62	120.32	158	3475	0231	0232
2.62	126.67	159	3500	0233	0234
2.62	133.02	160	3525	0235	0236
2.62	139.37	161	3550	0237	0238
2.62	145.72	162	3575	0239	0240
2.62	152.07	163	3600	0241	0242
2.62	158.42	164	3625	0243	0244
2.62	164.77	165	3650	0245	0246
2.62	171.12	166	3675	0247	0248
2.62	177.47	167	3700	0249	0250
2.62	183.82	168	3725	0251	0252
2.62	190.17	169	3750	0253	0254
2.62	196.52	170	3775	0255	0256
2.62	202.87	171	3800	0257	0258
2.62	209.22	172	3825	0259	0260
2.62	215.57	173	3850	0261	0262
2.62	221.92	174	3875	0263	0264
2.62	228.27	175	3900	0265	0266
2.62	234.62	176	3925	0267	0268
2.62	240.97	177	3950	0269	0270
2.62	247.32	178	3975	0271	0272
3.53	7.52	203	4028	0273	0274
3.53	9.12	204	4036	0275	0276
3.53	10.69	205	4042	0277	0278
3.53	12.29	206	4050	0279	0280
3.53	13.87	207	4055	0281	0282
3.53	15.47	208	4061	0283	0284
3.53	17.04	209	4067	0285	0286
3.53	18.64	210	4075	0287	0288
3.53	20.22	211	4081	0289	0290
3.53	21.82	212	4087	0291	0292
3.53	23.40	213	4093	0293	0294
3.53	24.99	214	4100	0295	0296
3.53	25.80	618	134	0297	0298
3.53	26.58	215	4106	0299	0300
3.53	28.17	216	4112	0301	0302
3.53	29.75	217	4118	0303	0304
3.53	31.34	218	4125	0305	0306
3.53	32.93	219	4131	0307	0308

## R0159 O-Ring - OR O-Ring - OR

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
3.53	34.52	220	4137	0309	0310
3.53	36.10	221	4143	0311	0312
3.53	37.69	222	4150	0313	0314
3.53	39.69	824	144	0315	0316
3.53	40.86	223	4162	0317	0318
3.53	41.28	825	146	0319	0320
3.53	42.86	826	147	0321	0322
3.53	44.04	224	4175	0323	0324
3.53	44.95	827	149	0325	0326
3.53	46.04	828	150	0327	0328
3.53	47.22	225	4187	0329	0330
3.53	47.63	829	152	0331	0332
3.53	49.21	830	153	0333	0334
3.53	50.39	226	4200	0335	0336
3.53	50.80	831	155	0337	0338
3.53	52.39	832	156	0339	0340
3.53	53.57	227	4212	0341	0342
3.53	53.98	833	158	0343	0344
3.53	55.56	834	159	0345	0346
3.53	56.74	228	4225	0347	0348
3.53	57.15	835	161	0349	0350
3.53	58.74	836	162	0351	0352
3.53	59.92	229	4237	0353	0354
3.53	60.33	837	164	0355	0356
3.53	61.91	838	165	0357	0358
3.53	63.09	230	4250	0359	0360
3.53	63.50	839	167	0361	0362
3.53	65.09	840	168	0363	0364
3.53	66.27	231	4262	0365	0366
3.53	66.68	841	170	0367	0368
3.53	68.26	842	171	0369	0370
3.53	69.44	232	4275	0371	0372
3.53	69.85	843	173	0373	0374
3.53	71.44	844	174	0375	0376
3.53	72.62	233	4287	0377	0378
3.53	73.03	845	176	0379	0380
3.53	74.61	846	177	0381	0382
3.53	75.80	234	4300	0383	0384
3.53	78.97	235	4312	0385	0386
3.53	82.14	236	4325	0387	0388
3.53	85.32	237	4337	0389	0390
3.53	88.50	238	4350	0391	0392
3.53	91.67	239	4362	0393	0394
3.53	94.84	240	4375	0395	0396
3.53	98.02	241	4387	0397	0398
3.53	101.19	242	4400	0399	0400
3.53	104.37	243	4412	0401	0402
3.53	107.54	244	4425	0403	0404
3.53	110.72	245	4437	0405	0406
3.53	113.89	246	4450	0407	0408
3.53	117.07	247	4462	0409	0410
3.53	120.24	248	4475	0411	0412
3.53	123.42	249	4487	0413	0414
3.53	126.59	250	4500	0415	0416
3.53	129.77	251	4512	0417	0418
3.53	132.94	252	4525	0419	0420
3.53	136.12	253	4537	0421	0422
3.53	139.29	254	4550	0423	0424
3.53	142.47	255	4562	0425	0426
3.53	145.64	256	4575	0427	0428
3.53	148.82	257	4587	0429	0430
3.53	151.99	258	4600	0431	0432
3.53	158.34	259	4625	0433	0434
3.53	164.69	260	4650	0435	0436
3.53	171.04	261	4675	0437	0438
3.53	177.39	262	4700	0439	0440
3.53	183.74	263	4725	0441	0442
3.53	190.09	264	4750	0443	0444
3.53	196.44	265	4775	0445	0446
3.53	202.79	266	4800	0447	0448
3.53	209.14	267	4825	0449	0450
3.53	215.49	268	4850	0451	0452
3.53	221.84	269	4875	0453	0454

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
3.53	228.19	270	4900	0455	0456
3.53	234.54	271	4925	0457	0458
3.53	240.89	272	4950	0459	0460
3.53	247.24	273	4975	0461	0462
3.53	253.59	274	41000	0463	0464
3.53	266.29	275	41050	0465	0466
3.53	278.99	276	41100	0467	0468
3.53	291.69	277	41150	0469	0470
3.53	304.39	278	41200	0471	0472
3.53	329.79	279	41300	0473	0474
3.53	355.19	280	41400	0475	0476
3.53	380.59	281	41500	0477	0478
3.53	405.26	282	41600	0479	0480
3.53	430.66	283	41700	0481	0482
3.53	456.06	284	41800	0483	0484
5.34	10.47	309	6042	0485	0486
5.34	12.07	310	6050	0487	0488
5.34	13.64	311	6055	0489	0490
5.34	15.24	312	6060	0491	0492
5.34	16.82	313	6065	0493	0494
5.34	18.42	314	6075	0495	0496
5.34	19.99	315	6080	0497	0498
5.34	21.59	316	6085	0499	0500
5.34	23.17	317	6090	0501	0502
5.34	24.77	318	6100	0503	0504
5.34	26.34	319	6105	0505	0506
5.34	27.94	320	6110	0507	0508
5.34	29.52	321	6115	0509	0510
5.34	31.12	322	6125	0511	0512
5.34	32.69	323	6130	0513	0514
5.34	34.29	324	6135	0515	0516
5.34	37.47	325	6150	0517	0518
5.34	40.65	326	6162	0519	0520
5.34	43.82	327	6175	0521	0522
5.34	47.00	328	6187	0523	0524
5.34	50.16	329	6200	0525	0526
5.34	53.34	330	6212	0527	0528
5.34	56.52	331	6225	0529	0530
5.34	59.69	332	6237	0531	0532
5.34	62.87	333	6250	0533	0534
5.34	66.04	334	6262	0535	0536
5.34	69.22	335	6275	0537	0538
5.34	72.39	336	6287	0539	0540
5.34	74.63	619	178	0541	0542
5.34	75.57	337	6300	0543	0544
5.34	78.74	338	6312	0545	0546
5.34	79.77	620	181	0547	0548
5.34	81.92	339	6325	0549	0550
5.34	85.09	340	6337	0551	0552
5.34	88.27	341	6350	0553	0554
5.34	89.69	621	185	0555	0556
5.34	91.44	342	6362	0557	0558
5.34	94.62	343	6375	0559	0560
5.34	97.79	344	6387	0561	0562
5.34	100.00	622	189	0563	0564
5.34	100.97	345	6400	0565	0566
5.34	104.14	346	6412	0567	0568
5.34	107.32	347	6425	0569	0570
5.34	109.50	623	193	0571	0572
5.34	110.49	348	6437	0573	0574
5.34	113.67	349	6450	0575	0576
5.34	116.84	350	.....	0577	0578
5.34	117.50	860	199	0579	0580
5.34	120.01	351	.....	0581	0582
5.34	120.70	861	201	0583	0584
5.34	123.19	352	.....	0585	0586
5.34	123.80	862	203	0587	0588
5.34	126.36	353	.....	0589	0590
5.34	127.00	863	206	0591	0592
5.34	129.54	354	.....	0593	0594
5.34	130.20	864	208	0595	0596
5.34	132.71	355	.....	0597	0598

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
5.34	133.40	865	210	0599	0600
5.34	135.90	356	.....	0601	0602
5.34	136.53	866	213	0603	0604
5.34	139.07	357	.....	0605	0606
5.34	139.70	867	215	0607	0608
5.34	142.24	358	.....	0609	0610
5.34	142.90	868	217	0611	0612
5.34	145.41	359	.....	0613	0614
5.34	146.10	869	219	0615	0616
5.34	149.20	870	221	0617	0618
5.34	151.76	361	6600	0619	0620
5.34	158.11	362	6625	0621	0622
5.34	164.46	363	6645	0623	0624
5.34	170.82	364	6670	0625	0626
5.34	177.16	365	6700	0627	0628
5.34	183.51	366	6720	0629	0630
5.34	189.86	367	6745	0631	0632
5.34	196.21	368	6775	0633	0634
5.34	202.56	369	6795	0635	0636
5.34	208.91	370	6820	0637	0638
5.34	215.26	371	6850	0639	0640
5.34	221.61	372	6870	0641	0642
5.34	227.96	373	6895	0643	0644
5.34	234.31	374	6920	0645	0646
5.34	240.66	375	6945	0647	0648
5.34	247.01	376	6975	0649	0650
5.34	253.36	377	6995	0651	0652
5.34	266.06	378	61050	0653	0654
5.34	278.76	379	61100	0655	0656
5.34	291.46	380	61150	0657	0658
5.34	304.16	381	61200	0659	0660
5.34	329.56	382	61300	0661	0662
5.34	354.96	383	61400	0663	0664
5.34	380.36	384	61500	0665	0666
5.34	405.26	385	61600	0667	0668
5.34	430.66	386	61700	0669	0670
5.34	456.06	387	61800	0671	0672
5.34	481.41	388	61900	0673	0674
5.34	506.81	389	62000	0675	0676
5.34	532.20	390	62100	0677	0678
5.34	557.61	391	62200	0679	0680
5.34	582.68	392	62300	0681	0682
5.34	608.08	393	62400	0683	0684
5.34	633.48	394	62500	0685	0686
5.34	658.88	395	62600	0687	0688
7.00	113.67	425	8450	0689	0690
7.00	114.70	624	197	0691	0692
7.00	116.84	426	8462	0693	0694
7.00	120.02	427	8475	0695	0696
7.00	123.19	428	8487	0697	0698
7.00	124.60	625	204	0699	0700
7.00	126.37	429	8500	0701	0702
7.00	129.54	430	8512	0703	0704
7.00	132.72	431	8525	0705	0706
7.00	134.50	626	211	0707	0708
7					

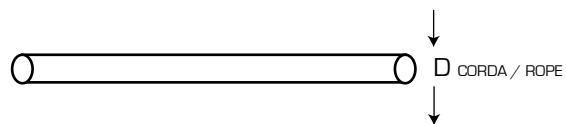
## R0159 O-Ring - OR O-Ring - OR

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
7.00	183.52	442	8725	<b>0743</b>	<b>0744</b>
7.00	189.87	443	8750	<b>0745</b>	<b>0746</b>
7.00	193.70	884	237	<b>0747</b>	<b>0748</b>
7.00	196.22	444	8775	<b>0749</b>	<b>0750</b>
7.00	200.00	886	239	<b>0751</b>	<b>0752</b>
7.00	205.57	445	8800	<b>0753</b>	<b>0754</b>
7.00	208.92	674	8825	<b>0755</b>	<b>0756</b>
7.00	215.27	446	8850	<b>0757</b>	<b>0758</b>
7.00	221.61	676	8875	<b>0759</b>	<b>0760</b>
7.00	227.97	447	8900	<b>0761</b>	<b>0762</b>
7.00	234.30	678	8925	<b>0763</b>	<b>0764</b>
7.00	240.67	448	8950	<b>0765</b>	<b>0766</b>
7.00	247.00	680	8975	<b>0767</b>	<b>0768</b>
7.00	253.37	449	81000	<b>0769</b>	<b>0770</b>
7.00	259.70	682	81025	<b>0771</b>	<b>0772</b>

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
7.00	266.07	450	81050	<b>0773</b>	<b>0774</b>
7.00	272.40	684	81075	<b>0775</b>	<b>0776</b>
7.00	278.77	451	81100	<b>0777</b>	<b>0778</b>
7.00	285.10	686	81125	<b>0779</b>	<b>0780</b>
7.00	291.47	452	81150	<b>0781</b>	<b>0782</b>
7.00	297.80	688	81175	<b>0783</b>	<b>0784</b>
7.00	304.17	453	81200	<b>0785</b>	<b>0786</b>
7.00	316.87	454	81250	<b>0787</b>	<b>0788</b>
7.00	329.57	455	81300	<b>0789</b>	<b>0790</b>
7.00	342.27	456	81350	<b>0791</b>	<b>0792</b>
7.00	354.97	457	81400	<b>0793</b>	<b>0794</b>
7.00	367.67	458	81450	<b>0795</b>	<b>0796</b>
7.00	380.37	459	81500	<b>0797</b>	<b>0798</b>
7.00	393.07	460	81550	<b>0799</b>	<b>0800</b>
7.00	405.26	461	81600	<b>0801</b>	<b>0802</b>

D Corda (Rope)	D1 INT. (Inside)	Codice USA (Usa Code)	British	NBR	VITON
7.00	417.96	462	81650	<b>0803</b>	<b>0804</b>
7.00	430.66	463	81700	<b>0805</b>	<b>0806</b>
7.00	443.36	464	81750	<b>0807</b>	<b>0808</b>
7.00	456.06	465	81800	<b>0809</b>	<b>0810</b>
7.00	468.76	466	81850	<b>0811</b>	<b>0812</b>
7.00	481.46	467	81900	<b>0813</b>	<b>0814</b>
7.00	494.16	468	81950	<b>0815</b>	<b>0816</b>
7.00	506.86	469	82000	<b>0817</b>	<b>0818</b>
7.00	532.26	470	82100	<b>0819</b>	<b>0820</b>
7.00	557.66	471	82200	<b>0821</b>	<b>0822</b>
7.00	582.68	472	82300	<b>0823</b>	<b>0824</b>
7.00	608.08	473	82400	<b>0825</b>	<b>0826</b>
7.00	633.48	474	82500	<b>0827</b>	<b>0828</b>
7.00	658.88	475	82600	<b>0829</b>	<b>0830</b>

## R0688 O-Ring, Corda - OR Rubber cord rope - OR



### Descrizione:

Esempio di ordinativo: **R0688-01-0001** x Lunghezza  
Materiale: NBR, VITON  
Nota: Quantità minima 1 m (indicare la misura desiderata)

### Description:

Example of purchasing order: **R0688-01-0001** x Length  
Material: NBR, VITON  
Note: Minimum quantity 1 m (specify the requested length of the rope)

Codice Code	D	NBR	VITON
R0688-01	1.78	0001	0002
R0688-01	2.00	0003	0004
R0688-01	2.62	0005	0006
R0688-01	3.00	0007	0008
R0688-01	3.20	0009	0010
R0688-01	3.53	0011	0012
R0688-01	4.00	0013	0014
R0688-01	5.00	0015	0016

Codice Code	D	NBR	VITON
R0688-01	5.34	0017	0018
R0688-01	6.00	0019	0020
R0688-01	6.35	0021	0022
R0688-01	7.00	0023	0024
R0688-01	8.00	0025	0026
R0688-01	9.00	0027	0028
R0688-01	10.00	0029	0030
R0688-01	11.00	0031	0032

Codice Code	D	NBR	VITON
R0688-01	12.00	0033	0034
R0688-01	13.00	0035	0036
R0688-01	14.00	0037	0038
R0688-01	16.00	0039	0040
R0688-01	18.00	0043	0044
R0688-01	19.00	0045	
R0688-01	20.00	0047	0048

**R0515** Presa per tubi flessibili a bassa pressione  
Socket for low flow pressure hose lines



**Descrizione:**

Pressione massima di lavoro: PN 16 bar

**Description:**

Max working pressure: PN 16 bar

Codice Code	D Interno D Inside	DIN 20018	Acqua Water	PVC	Codice Macchina Assemblaggio Assembly Machine Code	l	d	Peso Weight gr.
R0515-09-0001	12.5				R0516-09-0001	17	8.5	3
R0515-09-0002	13.5			6 x 3	R0516-09-0001	20	9.3	5
R0515-09-0003	14.5	6 x 3.5			R0516-09-0001	17	10	5
R0515-09-0004	16			8 x 3	R0516-09-0001	17	11.5	5
R0515-09-0005	18	9 x 3.5		10 x 3	R0516-09-0001	20	13.5	7
R0515-09-0006	19			12 x 3	R0516-09-0001	20	13.9	9
R0515-09-0007	19.5				R0516-09-0001	26	14.5	10
R0515-09-0008	22				R0516-09-0001	32	17	16
R0515-09-0009	23		13 x 3		R0516-09-0001	32	17	18
R0515-09-0010	25	13 x 5				32	17	19
R0515-09-0011	28	15 x 6				32	20.5	22
R0515-09-0012	30.5		19 x 4			33	24.3	24
R0515-09-0013	33	19 x 6				35	24.8	40
R0515-09-0014	38		25 x 4.5			35	28	47
R0515-09-0015	41	25 x 7				40	30	64

**R0516** Attrezzo manuale per assemblaggio  
Hand operated assembly machine



Descrizione:

Description:

Codice Code	D Interno D Inside	D Esterno D Outside	Presca consigliata Suitable socket	Peso (kg.) Weight (kg.)
R0516-09-0001	3 - 20	10 - 22	R0515-09 ØInterno = 12.5 - 23	12.2

**R0517** Kamlock ad attacco rapido a morsetto  
Socket for low pressure hose lines



Descrizione:

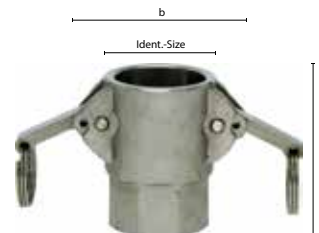
Description:

Materiale: 1.4401  
Filetto: ISO 228

Material: 1.4401  
Thread: ISO 228

Codice Code	Dimensione Size	D Interno D Inside	b	DN	h	Ident Size	Peso Weight gr.
R0517-09-0001	50 = 1/2"	13	40	15	86	24.5	150
R0517-09-0002	75 = 3/4"	19	63	20	82	32.4	238
R0517-09-0003	100 = 1"	25	72	25	97	37.3	358
R0517-09-0004	125 = 1 1/4"	32	83	32	108	46	600
R0517-09-0005	150 = 1 1/2"	38/40	90	40	112	54	723
R0517-09-0006	200 = 2"	50	102	50	130	63.8	846
R0517-09-0007	250 = 2 1/2"	63	119	65	136	76.5	1214
R0517-09-0008	300 = 3"	75	135	80	162	92.2	1834
R0517-09-0009	400 = 4"	100	174	100	163	120.3	3045

## R0518 Kamlock ad attacco rapido a morsetto - femmina Socket for low pressure hose lines - female



### Descrizione:

Materiale: 1.4401  
Filetto: DIN 14-420-7 Femmina

### Description:

Material: 1.4401  
Thread: DIN 14-420-7 Female

Codice Code	Dimensione Size	Filettatura Thread	b	DN	h	Ident Size	Peso Weight gr.
R0518-09-0001	50 = 1/2"	1/2" Gas	40	15	45	24.5	147
R0518-09-0002	75 = 3/4"	3/4" Gas	63	20	51	32.4	265
R0518-09-0003	100 = 1"	1" Gas	72	25	62	37.3	398
R0518-09-0004	125 = 1 1/4"	1 1/4" Gas	83	32	70	46	773
R0518-09-0005	150 = 1 1/2"	1 1/2" Gas	90	40	71	54	817
R0518-09-0006	200 = 2"	2" Gas	102	50	78	63.8	880
R0518-09-0007	250 = 2 1/2"	2 1/2" Gas	119	65	77	76.5	1221
R0518-09-0008	300 = 3"	3" Gas	135	80	91	92.2	1802
R0518-09-0009	400 = 4"	4" Gas	174	100	85	120.3	2354

## R0519 Kamlock ad attacco rapido a morsetto - maschio Socket for low pressure hose lines - male



### Descrizione:

Materiale: 1.4401  
Filetto: DIN 14-420-7 Maschio

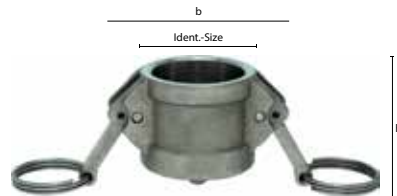
### Description:

Material: 1.4401  
Thread: DIN 14-420-7 Male

Codice Code	Dimensione Size	Filettatura Thread	b	DN	h	Ident Size	Peso Weight gr.
R0519-09-0001	50 = 1/2"	1/2"	40	15	47	24.5	130
R0519-09-0002	75 = 3/4"	3/4"	63	20	54	32.4	233
R0519-09-0003	100 = 1"	1"	72	25	64	37.3	343
R0519-09-0004	125 = 1 1/4"	1 1/4"	83	32	70	46	592
R0519-09-0005	150 = 1 1/2"	1 1/2"	90	40	71	54	694
R0519-09-0006	200 = 2"	2"	102	50	77	63.8	708
R0519-09-0007	250 = 2 1/2"	2 1/2"	119	65	85	76.5	1007
R0519-09-0008	300 = 3"	3"	135	80	95	92.2	1438
R0519-09-0009	400 = 4"	4"	174	100	90	120.3	1988



## R0520 Kamlock ad attacco rapido a morsetto Socket for low pressure hose lines



### Descrizione:

Materiale: 1.4401  
Filetto: DIN 14-420-7

### Description:

Material: 1.4401  
Thread: DIN 14-420-7

Codice Code	Dimensione Size	b	DN	h	Ident Size	Peso Weight gr.
R0520-09-0001	50 = 1/2"	40	15	42	24.5	123
R0520-09-0002	75 = 3/4"	63	20	42	32.4	183
R0520-09-0003	100 = 1"	72	25	49	37.3	274
R0520-09-0004	125 = 1 1/4"	83	32	57	46	493
R0520-09-0005	150 = 1 1/2"	90	40	59	54	559
R0520-09-0006	200 = 2"	102	50	63	63.8	756
R0520-09-0007	250 = 2 1/2"	119	65	67	76.5	897
R0520-09-0008	300 = 3"	135	80	70	92.2	1296
R0520-09-0009	400 = 4"	174	100	70	120.3	1898

## R0521 Kamlock ad attacco rapido a presa Kamlock quick plug



### Descrizione:

Materiale: 1.4401  
US - ML - Norm

### Description:

Material: 1.4401  
US - ML - Norm

Codice Code	Dimensione Size	D Interno D Inside	b	DN	h	Ident Size	Peso Weight gr.
R0521-09-0001	50 = 1/2"	13	40	15	87	24	120
R0521-09-0002	75 = 3/4"	19	63	20	88	32.4	171
R0521-09-0003	100 = 1"	25	72	25	103	36.7	284
R0521-09-0004	125 = 1 1/4"	32	83	32	110	45.5	442
R0521-09-0005	150 = 1 1/2"	38/40	90	40	116	53.4	563
R0521-09-0006	200 = 2"	50	102	50	146	63	812
R0521-09-0007	250 = 2 1/2"	63	119	65	148	75.8	1186
R0521-09-0008	300 = 3"	75	135	80	167	91.5	1815
R0521-09-0009	400 = 4"	100	174	100	175	119.5	2945



## R0522 Kamlock ad attacco rapido a presa Kamlock quick plug



### Descrizione:

Materiale: 1.4401  
Filetto: DIN 14-420-7

### Description:

Material: 1.4401  
Thread: DIN 14-420-7

Codice Code	Dimensione Size	Filettatura Thread	DN	h	Ident Size	Peso Weight gr.
R0522-09-0001	50 = 1/2"	1/2" Gas	15	41	24	76
R0522-09-0002	75 = 3/4"	3/4" Gas	20	42	32.4	171
R0522-09-0003	100 = 1"	1" Gas	25	52	36.7	222
R0522-09-0004	125 = 1 1/4"	1 1/4" Gas	32	58	45.5	386
R0522-09-0005	150 = 1 1/2"	1 1/2" Gas	40	62	53.4	493
R0522-09-0006	200 = 2"	2" Gas	50	71	63	644
R0522-09-0007	250 = 2 1/2"	2 1/2" Gas	65	75	75.8	945
R0522-09-0008	300 = 3"	3" Gas	80	79	91.5	1320
R0522-09-0009	400 = 4"	4" Gas	100	81	119.5	2118

## R0523 Kamlock ad attacco rapido a presa Kamlock quick plug



### Descrizione:

Materiale: 1.4401  
Filetto: DIN 14-420-7

### Description:

Material: 1.4401  
Thread: DIN 14-420-7

Codice Code	Dimensione Size	Filettatura Thread	DN	h	Ident Size	Peso Weight gr.
R0523-09-0001	50 = 1/2"	1/2"	15	49	24	103
R0523-09-0002	75 = 3/4"	3/4"	20	64	32.4	185
R0523-09-0003	100 = 1"	1"	25	72	36.7	258
R0523-09-0004	125 = 1 1/4"	1 1/4"	32	81	45.5	477
R0523-09-0005	150 = 1 1/2"	1 1/2"	40	82	53.4	565
R0523-09-0006	200 = 2"	2"	50	90	63	650
R0523-09-0007	250 = 2 1/2"	2 1/2"	65	105	75.8	1317
R0523-09-0008	300 = 3"	3"	80	104	91.5	1766
R0523-09-0009	400 = 4"	4"	100	114	119.5	2804

**R0524** Kamlock ad attacco rapido a presa  
Kamlock quick plug



**Descrizione:**

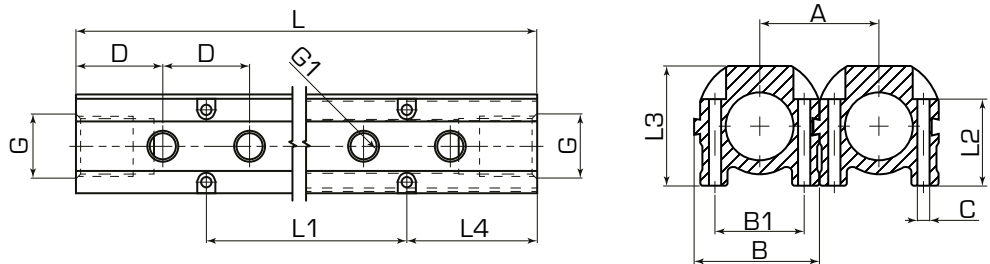
Materiale: 1.4401  
Filetto: DIN 14-420-7

**Description:**

Material: 1.4401  
Thread: DIN 14-420-7

Codice Code	Dimensione Size	DN	h	Ident Size	Peso Weight (gr)
R0524-09-0001	50 = 1/2"	15	36	24	73
R0524-09-0002	75 = 3/4"	20	39	32.4	93
R0524-09-0003	100 = 1"	25	46	36.7	139
R0524-09-0004	125 = 1 1/4"	32	55	45.5	260
R0524-09-0005	150 = 1 1/2"	40	57	53.4	335
R0524-09-0006	200 = 2"	50	60	63	441
R0524-09-0007	250 = 2 1/2"	65	66	75.8	657
R0524-09-0008	300 = 3"	80	66	91.5	804
R0524-09-0009	400 = 4"	100	68	119.5	1525

**R0525** Unità di distribuzione  
Distribuition block



**Descrizione:**

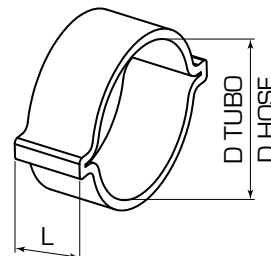
Materiale: 1.4401  
Filetto: DIN 14-420-7

**Description:**

Material: 1.4401  
Thread: DIN 14-420-7

Codice Code	Colore superficiale Out colour	G1	G	L	B	L1	L2	L3	L4	C	A	D	B1	Peso Weight (gr)
R0525-09-0001	4 blu/blue	1/4" Gas	3/4" Gas	190	43.5	114	30	41.5	38	4.3	41.3	38	31	500
R0525-09-0002	4 rosso/red	1/4" Gas	3/4" Gas	190	43.5	114	30	41.5	38	4.3	41.3	38	31	500
R0525-09-0003	6 blu/blue	1/4" Gas	3/4" Gas	266	43.5	190	30	41.5	38	4.3	41.3	38	31	700
R0525-09-0004	6 rosso/red	1/4" Gas	3/4" Gas	266	43.5	190	30	41.5	38	4.3	41.3	38	31	700
R0525-09-0005	8 blu/blue	1/4" Gas	3/4" Gas	342	43.5	266	30	41.5	38	4.3	41.3	38	31	900
R0525-09-0006	8 rosso/red	1/4" Gas	3/4" Gas	342	43.5	266	30	41.5	38	4.3	41.3	38	31	900
R0525-09-0007	10 blu/blue	1/4" Gas	3/4" Gas	418	43.5	342	30	41.5	38	4.3	41.3	38	31	1100
R0525-09-0008	10 rosso/red	1/4" Gas	3/4" Gas	418	43.5	342	30	41.5	38	4.3	41.3	38	31	1100

**R0526** Fascetta stringitubo a due orecchie  
Two-ear hose clip



**Descrizione:**

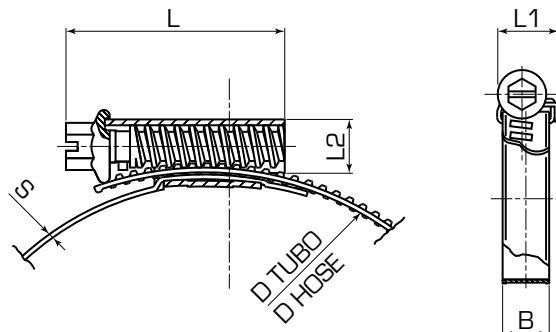
Materiale: DIN 2393 C

**Description:**

Material: DIN 2393 C

Codice Code	Intervallo D Range D	L	Peso Weight gr.
R0526-09-0001	5 - 7 mm	5,5 mm	1
R0526-09-0002	7 - 9 mm	6 mm	2
R0526-09-0003	9 - 11 mm	6 mm	2
R0526-09-0004	11 - 13 mm	6 mm	3
R0526-09-0005	13 - 15 mm	7 mm	4
R0526-09-0006	14 - 17 mm	7,5 mm	4
R0526-09-0007	15 - 18 mm	8 mm	5
R0526-09-0008	17 - 20 mm	8 mm	5
R0526-09-0009	19 - 21 mm	7 mm	5
R0526-09-0010	20 - 23 mm	9 mm	8
R0526-09-0011	22 - 25 mm	9 mm	9
R0526-09-0012	23 - 27 mm	9 mm	9
R0526-09-0013	25 - 28 mm	9 mm	10
R0526-09-0014	27 - 31 mm	9 mm	12
R0526-09-0015	31 - 34 mm	9 mm	13
R0526-09-0016	34 - 37 mm	9 mm	16
R0526-09-0017	37 - 40 mm	9 mm	17
R0526-09-0018	40 - 43 mm	9 mm	18

## R0527 Fascetta stringitubo alte prestazioni High performance hose clip



### Descrizione:

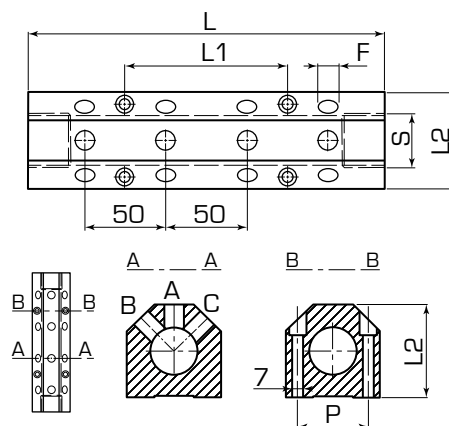
Materiale: DIN 3017

### Description:

Material: DIN 3017

Codice Code	Intervallo tubo D Hose range D	Pollici Inch	B	max Nm	S	L	L1	L2	Peso Weight (gr)
R0527-09-0001	8-12	5/18 - 1/2	9	2 + 0.5	0.7	20.5	14	11.5	12
R0527-09-0002	10-16	5/18 - 1/2	9	2 + 0.5	0.8	20.5	14	11.5	13
R0527-09-0003	12-22	1/2 - 3/4	9	3 + 0.5	0.8	24	14	11.5	16
R0527-09-0004	16-27	5/8 - 1	9	5 + 0.5	0.8	31	16	13	17
R0527-09-0005	20-32	3/4 - 1 1/4	12	5 + 0.5	0.8	31	16	13	27
R0527-09-0006	25-40	1 - 1 5/8	12	5 + 0.5	1.0	31	16	13	32
R0527-09-0007	30-45	1 3/8 - 1 3/4	12	5 + 0.5	1.0	31	16	13	33
R0527-09-0008	35-50	1 1/4 - 2	12	5 + 0.5	1.0	31	16	13	35
R0527-09-0009	40-60	1 5/8 - 2 3/8	12	5 + 0.5	1.0	31	16	13	39
R0527-09-0010	50-70	2 - 2 3/4	12	5 + 0.5	1.0	31	16	13	43
R0527-09-0011	60-80	2 3/8 - 3 1/8	12	5 + 0.5	1.0	31	16	13	45
R0527-09-0012	70-90	2 3/4 - 3 1/2	12	5 + 0.5	1.0	37	16	13	52
R0527-09-0013	80-100	3 1/8 - 4	12	5 + 0.5	1.0	37	16	13	53

## R0536 Unità di distribuzione Distribution block



### Descrizione:

Materiale: Alluminio

Nota: eseguibili anche con posizione fori a richiesta

### Description:

Material: Aluminium

Note: holes position also available on request

Codice Code	Colore superficiale Out colour	Lato fori Holes scheme	Nr. fori per lato No. holes on one surface	L	L1	L2	F	P	S
R0536-09-0001	rosso/red	BC	3	170	50	60	1/4"	45	1"
R0536-09-0002	blu/blue	BC	3	170	50	60	1/4"	45	1"
R0536-09-0003	rosso/red	A	4	220	100	60	1/4"	45	1"
R0536-09-0004	blu/blue	A	4	220	100	60	1/4"	45	1"
R0536-09-0005	rosso/red	AB = AC	4	220	100	60	1/4"	45	1"
R0536-09-0006	blu/blue	AB = AC	4	220	100	60	1/4"	45	1"
R0536-09-0007	rosso/red	BC	4	220	100	60	1/4"	45	1"
R0536-09-0008	blu/blue	BC	4	220	100	60	1/4"	45	1"
R0536-09-0009	rosso/red	A	6	320	200	60	1/4"	45	1"
R0536-09-0010	blu/blue	A	6	320	200	60	1/4"	45	1"
R0536-09-0011	rosso/red	AB = AC	6	320	200	60	1/4"	45	1"
R0536-09-0012	blu/blue	AB = AC	6	320	200	60	1/4"	45	1"
R0536-09-0013	rosso/red	BC	6	320	200	60	1/4"	45	1"
R0536-09-0014	blu/blue	BC	6	320	200	60	1/4"	45	1"
R0536-09-0015	rosso/red	A	8	420	300	60	1/4"	45	1"
R0536-09-0016	blu/blue	A	8	420	300	60	1/4"	45	1"
R0536-09-0017	rosso/red	AB = AC	8	420	300	60	1/4"	45	1"
R0536-09-0018	blu/blue	AB = AC	8	420	300	60	1/4"	45	1"
R0536-09-0019	rosso/red	BC	8	420	300	60	1/4"	45	1"
R0536-09-0020	blu/blue	BC	8	420	300	60	1/4"	45	1"
R0536-09-0021	rosso/red	BC	3	200	50	80	3/8"	65	1 1/4"
R0536-09-0022	blu/blue	BC	3	200	50	80	3/8"	65	1 1/4"
R0536-09-0023	rosso/red	A	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0024	blu/blue	A	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0025	rosso/red	AB = AC	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0026	blu/blue	AB = AC	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0027	rosso/red	BC	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0028	blu/blue	BC	4	250	100	80	3/8"	65	1 1/4"
R0536-09-0029	rosso/red	A	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0030	blu/blue	A	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0031	rosso/red	AB = AC	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0032	blu/blue	AB = AC	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0033	rosso/red	BC	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0034	blu/blue	BC	6	350	200	80	3/8"	65	1 1/4"
R0536-09-0035	rosso/red	A	8	450	300	80	3/8"	65	1 1/4"
R0536-09-0036	blu/blue	A	8	450	300	80	3/8"	65	1 1/4"
R0536-09-0037	rosso/red	AB = AC	8	450	300	80	3/8"	65	1 1/4"
R0536-09-0038	blu/blue	AB = AC	8	450	300	80	3/8"	65	1 1/4"
R0536-09-0039	rosso/red	BC	8	450	300	80	3/8"	65	1 1/4"
R0536-09-0040	blu/blue	BC	8	450	300	80	3/8"	65	1 1/4"

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock



**COMPONENTI ELETTRICI**  
**ELECTRICAL COMPONENTS**



**Ranco** 







# INDICE INDEX

<b>RISCALDATORI TUBOLARI TUBULAR HEATERS</b>		
<b>RETUBN 6X6</b>	Riscaldatore tubolare Tubular heater	Pg. 03
<b>FLEX</b>	Riscaldatore tubolare flessibile, sezione quadrata/a "D" Flexible tubular heater, square/section "D"	Pg. 04
<b>RISCALDATORI MICROTUBOLARI MICROTUBULAR HEATERS</b>		
<b>RE</b>	Riscaldatore a spirale Coil Heater	Pg. 08
<b>RISCALDATORI A CARTUCCIA CARTRIDGE HEATERS</b>		
	Riscaldatore a cartuccia Cartridge heater	Pg. 11
<b>RISCALDATORI A FASCIA PER UGELLI PRESSE NOZZLE BAND HEATERS</b>		
<b>R11_</b>	Riscaldatore a fascia per ugelli (ottone) Nozzle band heater (brass)	Pg. 15
<b>R15</b>	Riscaldatore a fascia per ugelli (acciaio) Nozzle band heater (steel)	Pg. 17
<b>R15 TCI</b>	Modello R15 con termocoppia incorporata Heater type R15 with built-in thermocouple	Pg. 19
<b>R15 TCE</b>	Modello R15 con termocoppia esterna Heater type R15 with external thermocouple	Pg. 19
<b>R17_</b>	Riscaldatore a fascia per ugelli (acciaio/plus) Nozzle band heater (plus steel)	Pg. 20
	Uscite per riscaldatore a fascia per ugelli Exits for nozzle band heater	Pg. 22
	Riscaldatore a fascia per ugelli con isolamento in mica Nozzle band heater with mica insulation	Pg. 23
	Riscaldatore a fascia per ugelli con isolamento in ceramica Nozzle band heater with ceramic insulation	Pg. 25
<b>TERMOCOPPIE, TERMORESISTENZE THERMOCOUPLES, THERMORERISTANCES</b>		
<b>TC</b>	Termocoppie e Termoresistenze Various types of thermocouples and thermoresistances	Pg. 27
<b>MICROINTERRUTTORI SWITCHES</b>		
<b>MICRO_ FA</b>	Interruttore serie FA Switch series FA	Pg. 32
<b>R83123</b>	Interruttore serie R83123 Switch series R83123	Pg. 33
<b>SL-222</b>	Interruttore serie SL-222 Switch series SL-222	Pg. 34
<b>T-222</b>	Interruttore serie T-222 Switch series T-222	Pg. 35

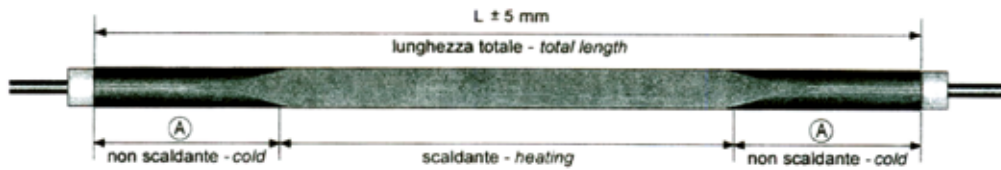
# INDICE

## INDEX

<b>CONNETTORI</b> <b>CONNECTORS</b>	
	<b>Connettori da 6 a 48poli</b> Connectors from 6 to 48 contacts <span style="float: right;"><b>Pg. 36</b></span>
<b>CUSTODIE</b> <b>HOUSINGS</b>	
	<b>Custodie per i connettori</b> Connector housings <span style="float: right;"><b>Pg. 39</b></span>

# RETUBN 6X6

- Riscaldatore tubolare  
- Tubular heater



## PROFILI STANDARD STANDARD SECTIONS

6 × 6,1 ± 0,15 mm

RAGGIO MINIMO DI CURVATURA  
SU ASSE RISCALDATORE (mm.)  
MINIMUM BEND RADIUS ON  
HEATER AXIS (mm.)

15

L (mm)	W-230V	Codice/Code
350	550	RETUBN6X6350
400	650	RETUBN6X6400
450	750	RETUBN6X6450
500	800	RETUBN6X6500
550	900	RETUBN6X6550
600	1000	RETUBN6X6600
650	1100	RETUBN6X6650
700	1200	RETUBN6X6700
750	1300	RETUBN6X6750
800	1350	RETUBN6X6800
850	1450	RETUBN6X6850
900	1550	RETUBN6X6900
950	1650	RETUBN6X6950
1000	1750	RETUBN6X61000
1050	1850	RETUBN6X61050
1100	1950	RETUBN6X61100
1150	2050	RETUBN6X61150
1200	2100	RETUBN6X61200
1250	2200	RETUBN6X61250
1300	2300	RETUBN6X61300
1350	2400	RETUBN6X61350
1400	2500	RETUBN6X61400
1450	2600	RETUBN6X61450
1500	2700	RETUBN6X61500
1550	2800	RETUBN6X61550

### SPECIFICHE COSTRUTTIVE E TOLLERANZE:

Potenza	+5% -10%
Resistenza	-5% +10%
Rigidità dielettrica (tensione applicata)	1500 V
Isolamento (a freddo 1000 Vcc)	> 10 MΩ
Dispersione (Corrente di fuga a freddo)	< 0,1 mA
Massima temperatura di esercizio ammessa sulla guaina	750°C

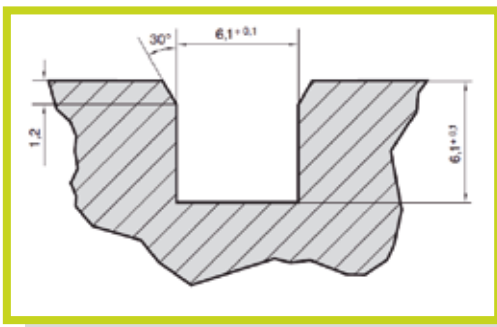
### CONSTRUCTIVE SPECIFICATIONS AND TOLERANCES:

Wattage	+5% -10%
Resistance	-5% +10%
Dielectric strength (voltage applied)	1500 V
Insulation (cold 1000 Vdc)	> 10 MΩ
Leakage current (cold)	< 0,1 mA
Maximum working temperature allowed on sheath	750°C

La soluzione tecnologicamente più avanzata per il riscaldamento dei manifold d'iniezione.

La sezione quadrata della parte riscaldante consente un'eccezionale scambio termico, unitamente ad un'estrema facilità d'installazione con l'esecuzione di una cava sezione quadra dove alloggiare il riscaldatore e pressarlo, senza riportare sistemi di fissaggio per mantenerlo in posizione.

The most progressive solution for the heating of injection manifold. The square section of the heated part renders possible an exceeding heat exchange, at one time with extreme easiness of the installation with execution of a groove square section where the heater is placed and it is pressed without fixing systems for holding it in position.



Proposta per esecuzione cava  
Purpose of the groove execution

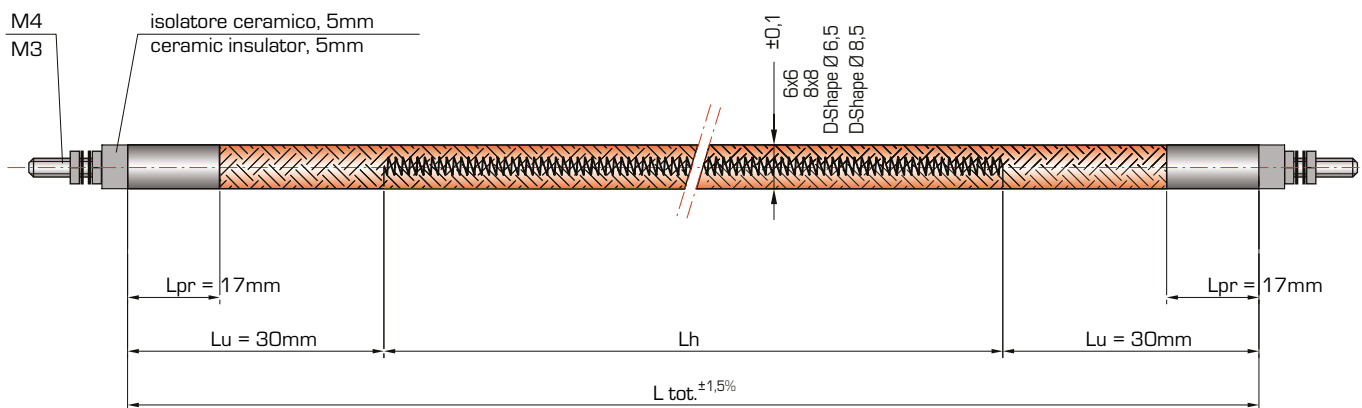
# FLEX - Riscaldatore tubolare flessibile, sezione quadrata/a "D"

- Flexible tubular heater, square/section "D"



Riscaldatore tubolare flessibile (sezione quadrata o a "D") con connessioni su entrambe le estremità: utilizzato prevalentemente per il riscaldamento delle piastre di distribuzione all'interno dei sistemi a canale caldo, ma si adatta anche a numerose altre applicazioni.

Tube flexible heater (square or "D" section) with connectors on the both ends; it is used for heating of plates of internal distribution of hot runners mainly, but it is adapted for a lot of other applications also.



Lu= zona non riscaldata/unheated length  
 Lh= zona riscaldata/heated length  
 Lpr= sezione tubo pressed tube length  
 L tot.= lunghezza totale/total length

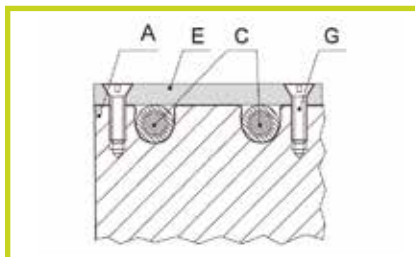
Questo riscaldatore può essere inserito direttamente all'interno della cavità di una piastra di distribuzione oppure introdotto con l'aiuto di un martello in plastica.

A piastra di distribuzione  
 D cavità: B = T = riscaldatore  $\varnothing + 0,1$  mm  
 F sagoma

Consiglio per l'installazione:  
 Il riscaldatore deve essere fissato all'interno della cavità.

A piastra di distribuzione  
 C riscaldatore  
 E piastra di isolamento termico  
 G viti per il fissaggio

Nota:  
 Sono disponibili a richiesta anche i riscaldatori tubulari flessibili a sezione tonda.



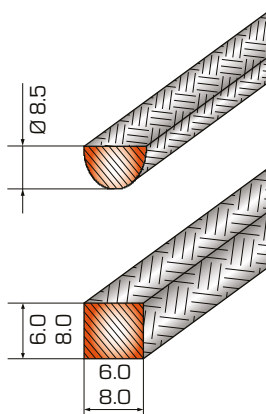
This heater can be put directly into a manifold slot or knocked in with a plastic hammer.

A manifold  
 D slot: B = T = heater  $\varnothing + 0.1$  mm  
 F chamfer

Installation advice:  
 The heater has to be fixed into the slot.

A manifold  
 C heater  
 E heat insulation plate  
 G screws for fixing

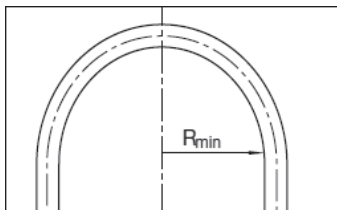
Note:  
 Upon request there are available flexible tubular round heaters.



**FLEX □ Sezione quadrata**

**Dati Tecnici.**  
 Technical dates.

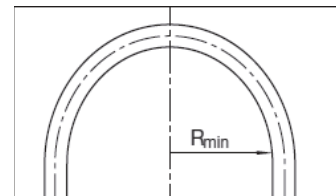
- Sezione: 6 x 6<sup>-0,1</sup> mm o sezione 8x8<sup>-0,1</sup>
- Section 6 x 6<sup>-0,1</sup> or section 8x8<sup>-0,1</sup> mm
- Guaina esterna: acciaio inossidabile
- External covering: stainless steel
- Temperatura guaina del riscaldatore: max. 600 °C
- Temperature of covering of heater: max.600 °C
- Tensione di alimentazione: max. 250 V, standard: 230 V
- Voltage of power: max. 250V, standard: 230V
- Tolleranza sulla potenza: ± 10%
- Tolerance of power: +-10%
- Prova ad alta tensione (a freddo): 1.000 V-AC in condizione dritta
- Prove of high voltage (in cold): 1.000 V-AC in direct condition
- Resistenza di isolamento (a freddo): ≥ 5 MΩ at 500 V-DC
- Resistance of isolation (in cold): ≥ 5 MΩ at 500 V-DC
- Corrente di dispersione (a freddo): ≤ 0,5 mA at 253 V-AC
- Dispersion stream (in cold): ≤ 0,5 mA at 253 V-AC
- Lunghezza massima dritta: 1.500 mm (±1,5%)
- Maximum direct length: 1.500 mm (±1,5%)
- Potenza sulla superficie della guaina:  
 max. 10 W/cm<sup>2</sup> in base all'applicazione  
 (a seconda della lunghezza riscaldata)
- Potency on surface of covering: max.10W/cm<sup>2</sup> in base of  
 application (on second of heated length)
- Raggio minimo di curvatura: 6x6 - Rmin = 12 mm;  
 8x8 - Rmin = 16 mm
- Min. radius of curve: 6x6 - Rmin = 12 mm;  
 8x8 - Rmin = 16 mm.



**FLEX a "D"/"D" shape**

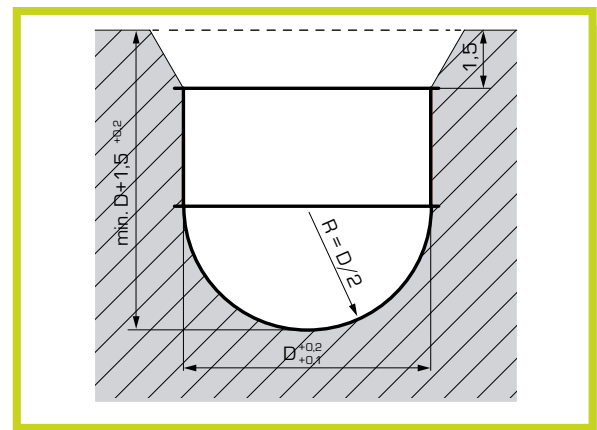
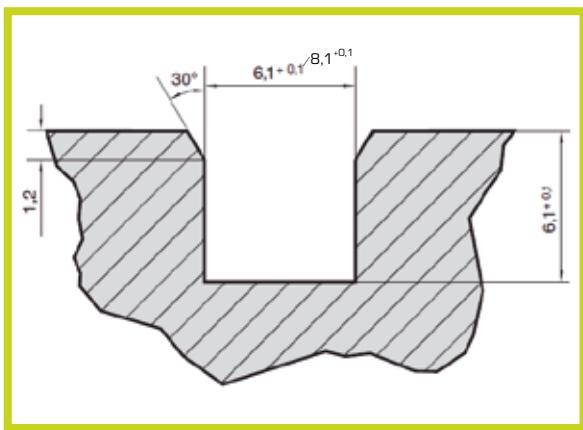
**Dati Tecnici.**  
 Technical dates.

- Diametro: 6,5<sup>-0,1</sup> o 8,5<sup>-0,1</sup> mm
- Diameter 6,5<sup>-0,1</sup> o 8,5<sup>-0,1</sup> mm
- Guaina esterna: acciaio inossidabile
- External covering: stainless steel
- Temperatura guaina del riscaldatore: max. 600 °C
- Temperature of covering of heater: max. 600 °C
- Tensione di alimentazione: max. 250 V, standard: 230 V
- Voltage of power: max. 250V, standard: 230V
- Tolleranza sulla potenza: ± 10%
- Tolerance of power: +-10%
- Prova ad alta tensione (a freddo): 1.000 V-AC in straight condition
- Prove of high voltage (in cold): 1.000 V-AC in direct condition
- Resistenza di isolamento (a freddo): ≥ 5 MΩ at 500 V-DC
- Resistance of isolation (in cold): ≥ 5 MΩ at 500 V-DC
- Corrente di dispersione (a freddo): ≤ 0,5 mA at 253 V-AC
- Dispersion stream (in cold): ≤ 0,5 mA at 253 V-AC
- Lunghezza dritta massima: 1.500 mm (±1,5%)
- Maximum direct length: 1.500 mm (±1,5%)
- Potenza sulla superficie della guaina: max. 10 W/cm<sup>2</sup> in base  
 all'applicazione (a seconda della lunghezza riscaldata)
- Potency on surface of covering: max.10W/cm<sup>2</sup> in base of  
 application (on second of heated length)
- Raggio minimo di curvatura: 6,5 - Rmin = 12 mm;  
 8,5 - Rmin = 16 mm
- Min. radius of curve: 6,5 - Rmin = 12 mm;  
 8,5 - Rmin = 16 mm.



- Connessione: Perni filettati con set di dadi e rondelle  
 in acciaio inossidabile (M3 per sezione 6x6, M4 per sezione 8x8).
- Connection: Riffled supports with kit of nuts and washers of  
 stainless-steel (M3 for section 6x6, M4 for section 8x8).

- Connessione: Perni filettati con set di dadi e rondelle  
 in acciaio inossidabile (M3 per sezione 6,5, M4 per sezione 8,5).
- Connection: Riffled supports with kit of nuts and washers of  
 stainless steel (M3 for section 6,5, M4 for section 8,5).



## FLEX a "D"/"D" shape

Vantaggio:  
Advantage:

Il nuovo riscaldatore tubolare a "D" è la migliore soluzione per cavità tonde. Con una combinazione di forme tonda e quadrata, è possibile realizzare il contatto più esteso tra la superficie e il riscaldatore.

Per applicazione questo significa:

- trasferimento di calore ottimizzato
- risparmio di tempo di riscaldamento e di energia

The newly developed FLEX D-shape is the best for round grooves. With a combination of round and square shapes, it is possible to realise the biggest contact if surface with the tool.

For the application this means:

- optimised heat transfer
- saving heat-up time and energy

Contatto con superficie FLEX D a "D": 72%

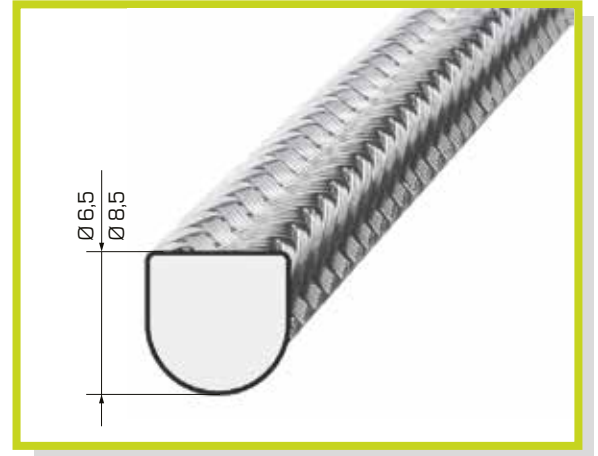
Contatto con superficie FLEX tonda: 50%

Contact surface FLEX D shape: 72%

Contact surface round heater: 50%

Rispetto ad un riscaldatore tondo, il contatto con la superficie è aumentato di circa 44%.

Compared to a conventional round heater the contact surface with the tool is increased by about 44%.



## FLEX □ 6x6

Codice Code	Ltd (mm)	Potenza (W) Wattage (W) (±10%) at 230 V
REFLEX6x6L 300	300	450
REFLEX6x6L 350	350	550
REFLEX6x6L 400	400	650
REFLEX6x6L 450	450	750
REFLEX6x6L 500	500	800
REFLEX6x6L 550	550	900
REFLEX6x6L 600	600	1000
REFLEX6x6L 650	650	1100
REFLEX6x6L 700	700	1200
REFLEX6x6L 750	750	1300
REFLEX6x6L 800	800	1350
REFLEX6x6L 850	850	1450
REFLEX6x6L 900	900	1550
REFLEX6x6L 950	950	1650
REFLEX6x6L 1000	1000	1750
REFLEX6x6L 1050	1050	18x80
REFLEX6x6L 1100	1100	1950
REFLEX6x6L 1150	1150	2050
REFLEX6x6L 1200	1200	2100
REFLEX6x6L 1250	1250	2200
REFLEX6x6L 1300	1300	2300
REFLEX6x6L 1350	1350	2400
REFLEX6x6L 1400	1400	2500
REFLEX6x6L 1450	1450	2600
REFLEX6x6L 1500	1500	2700

Esempio di ordinativo: Codice  
Example of purchasing order: Code

## FLEX □ 8x8

Codice Code	Ltd (mm)	Potenza (W) Wattage (W) (±10%) at 230 V
REFLEX8x8L 300	300	- 750 AP
REFLEX8x8L 350	350	- 900 AP
REFLEX8x8L 400	400	- 1050 AP
REFLEX8x8L 450	450	- 1200 AP
REFLEX8x8L 500	500	1100 BP 1400 AP
REFLEX8x8L 550	550	1200 BP 1550 AP
REFLEX8x8L 600	600	1300 BP 1700 AP
REFLEX8x8L 650	650	1400 BP 18x80 AP
REFLEX8x8L 700	700	1500 BP 2000 AP
REFLEX8x8L 750	750	1700 BP 2150 AP
REFLEX8x8L 800	800	1800 BP 2300 AP
REFLEX8x8L 850	850	1900 BP 2450 AP
REFLEX8x8L 900	900	2000 BP 2600 AP
REFLEX8x8L 950	950	2100 BP 2750 AP
REFLEX8x8L 1000	1000	2200 BP 2900 AP
REFLEX8x8L 1050	1050	2300 BP 3050 AP
REFLEX8x8L 1100	1100	2400 BP 3200 AP
REFLEX8x8L 1150	1150	2500 BP 3300 AP
REFLEX8x8L 1200	1200	2700 BP 3300 AP
REFLEX8x8L 1250	1250	2800 BP 3300 AP
REFLEX8x8L 1300	1300	2900 BP 3300 AP
REFLEX8x8L 1350	1350	3000 BP 3300 AP
REFLEX8x8L 1400	1400	3100 BP 3300 AP
REFLEX8x8L 1450	1450	3200 BP -
REFLEX8x8L 1500	1500	3300 BP -

Esempio di ordinativo: Codice BP o AP  
Example of purchasing order: Code BP o AP

## FLEX a "D" / "D" shape Ø 6,5

Codice Code	Ltd (mm)	Potenza (W) Wattage (W) (±10%) at 230 V
REFLEXD65L 300	300	450
REFLEXD65L 350	350	450
REFLEXD65L 400	400	500
REFLEXD65L 450	450	600
REFLEXD65L 500	500	700
REFLEXD65L 550	550	750
REFLEXD65L 600	600	850
REFLEXD65L 650	650	900
REFLEXD65L 700	700	1000
REFLEXD65L 750	750	1050
REFLEXD65L 800	800	1200
REFLEXD65L 850	850	1250
REFLEXD65L 900	900	1300
REFLEXD65L 950	950	1350
REFLEXD65L 1000	1000	1400
REFLEXD65L 1050	1050	1450
REFLEXD65L 1100	1100	1500
REFLEXD65L 1150	1150	1550
REFLEXD65L 1200	1200	1600
REFLEXD65L 1250	1250	1650
REFLEXD65L 1300	1300	1700
REFLEXD65L 1350	1350	1750
REFLEXD65L 1400	1400	1800
REFLEXD65L 1450	1450	1850
REFLEXD65L 1500	1500	1900

Esempio di ordinativo: Codice  
Example of purchasing order: Code

## FLEX a "D" / "D" shape Ø 8,5

Codice Code	Ltd (mm)	Potenza (W) Wattage (W) (±10%) at 230 V
REFLEXD85L 300	300	- 650 AP
REFLEXD85L 350	350	- 750 AP
REFLEXD85L 400	400	- 900 AP
REFLEXD85L 450	450	- 1050 AP
REFLEXD85L 500	500	700 BP 1100 AP
REFLEXD85L 550	550	750 BP 1250 AP
REFLEXD85L 600	600	850 BP 1400 AP
REFLEXD85L 650	650	950 BP 1550 AP
REFLEXD85L 700	700	1000 BP 1700 AP
REFLEXD85L 750	750	1100 BP 1850 AP
REFLEXD85L 800	800	1200 BP 2000 AP
REFLEXD85L 850	850	1250 BP 2150 AP
REFLEXD85L 900	900	1350 BP 2300 AP
REFLEXD85L 950	950	1450 BP 2450 AP
REFLEXD85L 1000	1000	1500 BP 2600 AP
REFLEXD85L 1050	1050	1600 BP 2650 AP
REFLEXD85L 1100	1100	1650 BP 2700 AP
REFLEXD85L 1150	1150	1750 BP 2750 AP
REFLEXD85L 1200	1200	1800 BP 2800 AP
REFLEXD85L 1250	1250	1900 BP 2850 AP
REFLEXD85L 1300	1300	2000 BP 2900 AP
REFLEXD85L 1350	1350	2050 BP 2950 AP
REFLEXD85L 1400	1400	2150 BP 3000 AP
REFLEXD85L 1450	1450	2250 BP 3050 AP
REFLEXD85L 1500	1500	2300 BP 3100 AP

Esempio di ordinativo: Codice BP o AP  
Example of purchasing order: Code BP o AP

Se si prende in considerazione il settore della lavorazione delle materie plastiche, piuttosto che quello dell'imballaggio, che si parli di ingegneria meccanica, dell'industria chimica o di apparecchiature mediche, il risultato non cambia: le resistenze a spirale sono praticamente insostituibili per queste e molte altre applicazioni. Ovunque, dove è richiesta una potenza (watt) di riscaldamento controllata e gestita in modo preciso ed esatto, le resistenze a spirale (tipo WRP) offrono una soluzione matura, in grado di soddisfare le necessità individuali.

Le resistenze a spirale possono essere consegnate, direttamente da magazzino, nelle più svariate misure e potenze (watt) al fine di coprire il più ampio raggio di applicazioni.

I riscaldatori a spirale senza tubo di connessione vengono prodotti, in versione standard, con una tolleranza negativa del diametro interno.

Offriamo una vasta gamma di opzioni aggiuntive per i riscaldatori a spirale:

- tensione e potenza (watt) a seconda del tipo di applicazione
- scelta delle lunghezze delle zone riscaldate rispetto alle zone non riscaldate fino a max. 3100 mm totali
- consegna diritta, flessibile o spiralata secondo le specificazioni (considerando il possibile raggio di curvatura)

Taking into consideration the field of processing plastic materials, rather than packing, whether we are talking about mechanical engineering, chemical industry and medical equipment, the result is the same: the coil heaters are almost indispensable for these and many other applications. Everywhere, where wattage of controlled and operated with precision and accuracy heating is required, the coil heaters (type WRP) offer a mature solution that is able to satisfy individual needs.

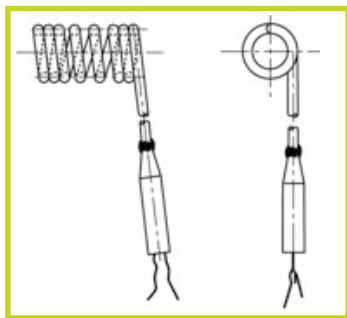
Coil heaters can be delivered from stock directly in various measures and powers (Watts) that covers a wide radius of applications.

Coil heaters without connection head are manufactured in Standard version with negative tolerance of internal diameter.

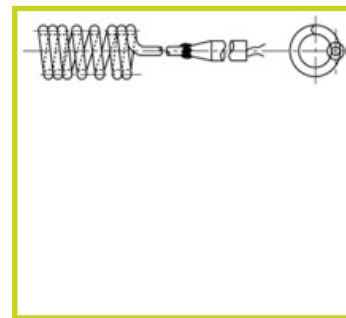
We offer a wide range of additional options for coil heaters:

- voltage and wattage according to the type of application
- choice of lengths of heated and unheated zones up to max. 3100mm total
- straight, flexible or coiled delivery according to specifications (considering a possible bending radius)

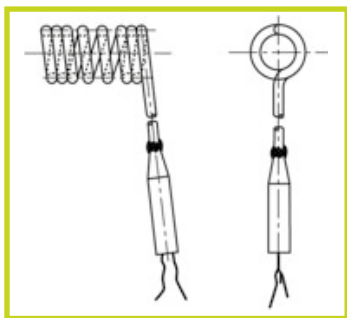
## Uscite / Exit



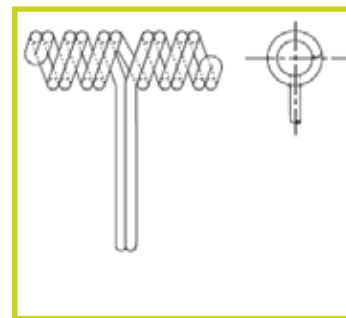
Uscita tangenziale / Tangential exit



Uscita assiale / Axial exit



Uscita radiale / Radial exit



Uscita in mezzo / Middle exit

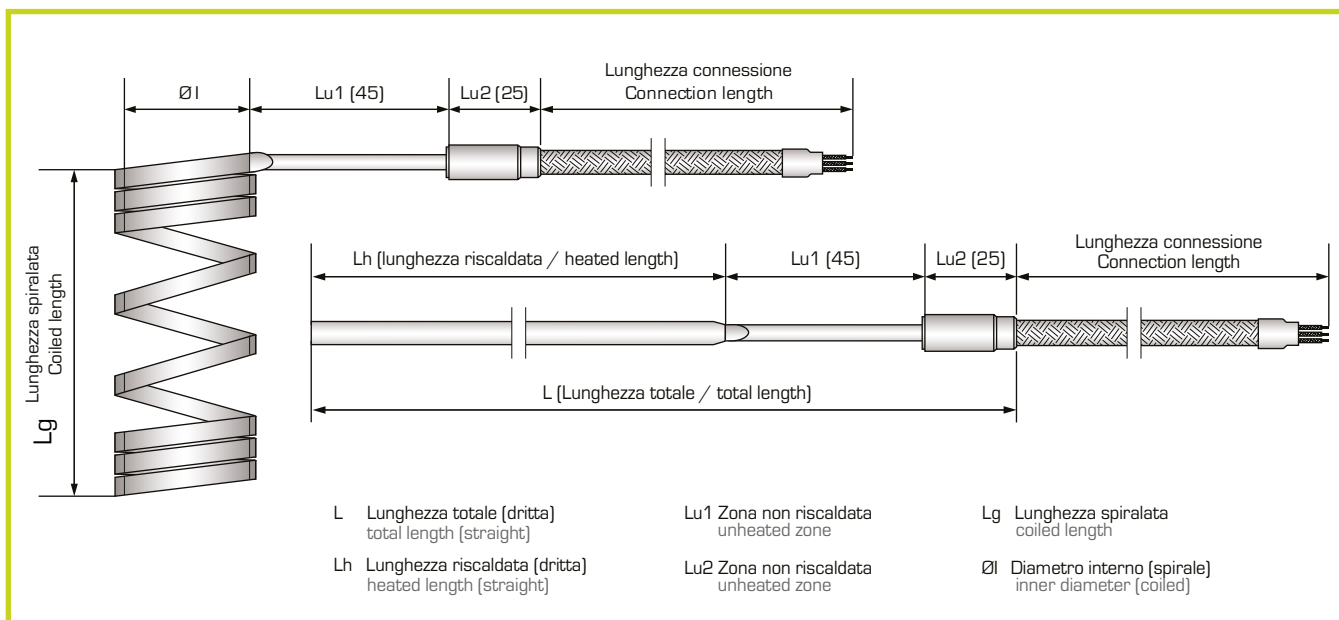


## Dati Tecnici

- Riscaldatori a spirale resistenti all'umidità con sezione rettangolare 2.2 x 4.2 mm
- Materiale guaina : Cr Ni - Acciaio
- Materiale isolante: MgO altamente compresso
- Materiale del filo resistivo: NiCr 8020
- Temp. sulla guaina del riscaldatore: max. 750 °C
- Tensione: max. 250 V, Standard: 230 V
- Tolleranze sulla potenza (a freddo): ± 10% (±5% su richiesta)
- Prova ad alta tensione (a freddo): 800 V-AC
- Resistenza di isolamento (a freddo): ≥ 5 MΩ a 500 V-DC
- Massima corrente di dispersione (a freddo): ≤ 0.5 mA a 253 V
- Uscita radiale, assiale, tangenziale
- Max. lunghezza totale: 3100 mm
- Lunghezza minima della parte non riscaldata 25 mm piu' tubetto di connessione 25 mm
- Tolleranza sulla lunghezza: parte riscaldata: ± 1% parte non riscaldata: ± 5%
- Tolleranze sul diametro interno:  
fino a diam. int. Ø 12 mm -0.05/-0.20  
fino a diam. int. Ø 30 mm -0.10/-0.30  
> diam. int. Ø 30 a richiesta
- Massimo carico di superficie in relazione della temperatura di esercizio e della dissipazione del calore
- Raggio minimo di curvatura (interno): 3 mm (parte non riscaldata e riscaldata)
- Fornibile con o senza termocoppia integrata Fe-CuNi isolata tipo J, standard (o Ni Cr - Ni tipo K isolata su richiesta)
- Può essere fornito con fascetta di chiusura
- Opzioni di connessione: cavi 1000 mm isolati in Teflon

## Technical Data

- humidity-resistant coil heater with flat cross-section 2.2 x 4.2 mm
- Sheath material: Cr Ni - Steel
- Insulation sheath: high-compressed MgO
- Heating conductor compound: NiCr 8020
- Sheath temperature of heating element: max. 750 °C
- Voltage: max. 250 V, Standard: 230 V
- Power tolerance (cold): ± 10% (±5% on request)
- High voltage strength (cold): min. 800 V-AC
- Insulation resistance (cold): ≥ 5 MΩ at 500 V-DC
- Leakage current (cold): ≤ 0.5 mA at 253 V
- Exit axial, radial or tangential
- max. total length straight: 3100 mm
- min. length of unheated zone: 25 mm plus connection head 25 mm
- Length tolerance heated zone: ± 5% unheated zone: ± 5%
- Inner diameter tolerance without reflection tube: up to Ø 12 mm -0.05/-0.20 up to Ø 30 mm -0.10/-0.30 > Ø 30 mm on request
- Sheath surface load according to operating temperature and heat dissipation, max.
- minimum bending radius (internal): heated zone: 3 mm unheated zone: 3 mm
- deliverable with or without integrated thermocouple Fe-CuNi grounded type J, Standard (or NiCr-Ni type K grounded on request)
- Can be delivered with clamping band and clamping element
- Connection options: insulated cables 1000 mm in Teflon



Formula approssimativa per calcolare lo sviluppo lineare della parte riscaldata dei riscaldatori spirale [mm]

$$(\varnothing + 2.2) * \pi * \text{numero di spire} = \text{lunghezza riscaldata dritta}$$

Approximate formula for calculation the stretched heated length of coiled heaters [mm]

$$(\varnothing + 2.2) * \pi * \text{number of coils} = \text{heated length straight}$$

Misure standard a stock / Standard mesures in stock

L	Lh	Lu1	Lu2	Potenza Wattage	TC
320	250	45	25	195	-
320	250	45	25	195	Fe - CuNi (J)
370	300	45	25	230	-
370	300	45	25	230	Fe - CuNi (J)
420	350	45	25	260	-
420	350	45	25	260	Fe - CuNi (J)
470	400	45	25	300	-
470	400	45	25	300	Fe - CuNi (J)
520	450	45	25	350	-
520	450	45	25	350	Fe - CuNi (J)
570	500	45	25	380	-
570	500	45	25	380	Fe - CuNi (J)
620	550	45	25	420	-
620	550	45	25	420	Fe - CuNi (J)
670	600	45	25	460	-
670	600	45	25	460	Fe - CuNi (J)
720	650	45	25	500	-
720	650	45	25	500	Fe - CuNi (J)
770	700	45	25	530	-
770	700	45	25	530	Fe - CuNi (J)
820	750	45	25	570	-
820	750	45	25	570	Fe - CuNi (J)
870	800	45	25	610	-
870	800	45	25	610	Fe - CuNi (J)
920	850	45	25	650	-
920	850	45	25	650	Fe - CuNi (J)
970	900	45	25	690	-
970	900	45	25	690	Fe - CuNi (J)
1070	1000	45	25	760	-
1070	1000	45	25	760	Fe - CuNi (J)
1170	1100	45	25	840	-
1170	1100	45	25	840	Fe - CuNi (J)

**Per l'ordinazione, specificare:**

Applicazione : .....  
 + Ø Interno: .....  
 + Lungh. spiralata: .....  
 + Posizione delle spire: .....  
 + Potenza: .....  
 + Tensione: .....  
 + Uscita: .....  
 + Lung. connessioni: .....  
 + Termocoppie: .....  
 + Tubo di contenimento: .....  
 + Lung. zona non riscaldata: .....  
 + Fascetta di chiusura: .....  
 + Elemento di chiusura: .....  
 + IP: .....  
 + Quantità: .....

**Nota:**

Sono disponibili a richiesta le resistenze:

**Sezione 1.3x2.3**

L max = 3100mm  
 Potenza max = 10 W/cm<sup>2</sup>  
 Solo senza TC

**Sezione 4.6x9.0**

L max = 3100mm  
 Potenza max = 15 W/cm<sup>2</sup>  
 Con o senza termocoppia Standard  
 Fe-CuNi tipo J isolata  
 [o NiCr-Ni tipo K isolata su richiesta]

**When ordering specify:**

Application : .....  
 + Inner-Ø: .....  
 + Coiled length: .....  
 + Position of coils: .....  
 + Wattage: .....  
 + Voltage: .....  
 + Exit: .....  
 + Connection length: .....  
 + Thermocouple: .....  
 + Reflection tube: .....  
 + Length of unheated zone: .....  
 + Clamping band: .....  
 + Clamping element: .....  
 + IP: .....  
 + Quantity: .....

**Note:**

Heaters available upon request:

**Section 1.3x2.3**

L max = 3100mm  
 Wattage max = 10 W/cm<sup>2</sup>  
 Without TC only

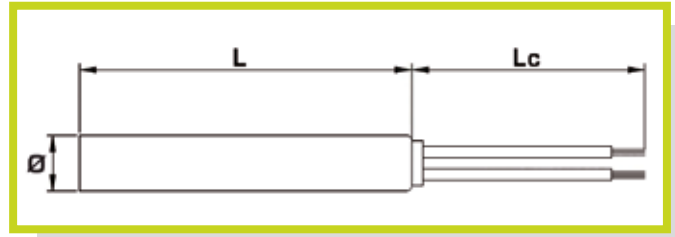
**Section 4.6x9.0**

L max = 3100mm  
 Wattage max = 15 W/cm<sup>2</sup>  
 With or without thermocouple Standard  
 Fe-CuNi type J grounded  
 [or NiCr-Ni type K groned, upon request]

- Resistenza a cartuccia  
- Cartridge heater



Diametri Diameters	Resistenza in mm Heaters in mm		Resistenza in pollici Heaters in inches	
Tolleranze sui diametri Tolerances on diameters	-0,02 / 0,07		-0,00079" / 0,00028"	
Lunghezza/Lengths	40	400	1"	12"
Tolleranze sulle lunghezze Tolerances on lengths	±2 fino a 100mm/up to 100mm +1%-3% sopra i 100mm/over 100mm		±0,079 fino a 4"/up to 4" +1%-3% sopra i 4"/over 4"	
Potenze/Loadings	da/ from 100 W	a/ to 2000 W	da/ from 100 W	a/ to 2000 W
Tolleranze sulle Potenze Tolerances on Loadings	+5%		-10%	
Cavi NFVS[*] - Lungh. NSF Leads - Lengths	1000mm		39,37"	
Toll. su lunghezza cavi Tol. on leads length	±10mm		±0,39"	



Esempio di ordinativo: Diametro L W  
Example of purchasing order: Diameter L W

### Misure in millimetri/Metric sizes

#### Diametro/Diameter 6,5

		W										
		100	125	160	175	180	200	250	300	320	350	400
L	40	•	•		•		•					
	50	•		•			•	•				
	60		•	•			•	•				
	80		•			•	•	•		•		
	100		•				•	•			•	
	130							•				•
	160								•		•	•

#### Diametro/Diameter 8

		W										
		100	125	150	160	200	250	300	320	400	420	450
L	40	•			•	•	•					
	50		•			•	•		•			
	60		•			•	•		•			
	80			•		•	•	•		•		
	100					•	•		•	•		
	130						•		•		•	
	160											•

#### Diametro/Diameter 10

		W												
		100	125	160	180	200	250	300	320	350	400	500	650	800
L	40	•	•			•	•		•					
	50	•		•		•	•				•			
	60			•			•		•		•	•		
	80			•			•		•		•	•	•	
	100					•	•	•		•	•	•	•	
	130								•		•	•	•	•
	160										•	•	•	
	200										•	•	•	

Diametro/Diameter 12,5

		W																
		160	200	250	300	350	400	500	600	650	700	800	1000	1250	1300	1500	1600	2000
L	40			•	•		•											
	50	•	•		•	•	•											
	60		•	•	•	•	•	•										
	80			•	•	•	•	•	•			•						
	100						•	•		•		•	•					
	130						•	•		•		•		•				
	160							•		•		•			•			
	200										•		•					
	250											•				•		
	300												•				•	•

Diametro/Diameter 16

		W															
		100	160	200	250	350	400	500	650	800	1000	1250	1400	1500	1600	2000	2500
L	40	•			•		•										
	50		•		•		•										
	60			•		•	•		•								
	80						•	•	•	•							
	100						•	•	•	•	•	•					
	130							•	•	•	•						
	200							•		•	•	•					•
	250										•	•			•		
	300										•	•			•		•
	400										•		•			•	•

Misure in pollici/Imperial sizes

Diametro/Diameter 1/4"

		W								
		100	150	200	250	300	350	400	450	500
L	1"	•	•	•						
	1 1/2"	•	•	•	•	•				
	2"	•	•	•	•	•	•			
	2 1/2"	•	•	•	•	•	•	•		
	3"		•	•	•	•	•	•	•	
	3 1/2"			•	•	•				
	4"				•	•	•			
	5"					•	•	•		
6"							•		•	

Diametro/Diameter 3/8"

		W											
		100	150	200	300	400	500	600	800				
L	1"			•									
	1 1/2"	•	•	•	•								
	2"	•	•	•	•			•					
	2 1/2"			•	•	•							
	3"		•	•	•	•	•	•					
	3 1/2"								•				
	4"			•	•	•	•	•	•	•			
	5"							•	•	•			•
	6"							•	•	•	•		•
	7"								•	•	•		•
8"										•		•	

Diametro/Diameter 1/2"

		W													
		200	250	300	350	400	500	600	750	800	850	900	1000	1500	2000
L	1 1/2"	•		•											
	2"		•	•		•									
	2 1/2"		•	•		•	•								
	3"			•		•	•	•							
	3 1/2"				•		•		•						
	4"				•	•	•	•		•				•	
	5"						•	•	•			•		•	
	6"							•	•		•			•	
	7"						•	•		•				•	
	8"									•				•	•
	9"													•	•
	10"													•	•
12"													•	•	

Diametro/Diameter 5/8"

		W													
		200	250	300	400	500	600	750	800	1000	1300	1500	1600	2000	
L	2"	•													
	2 1/2"		•	•	•										
	3"				•	•	•								
	4"					•	•	•		•					
	5"						•			•	•				
	6"									•	•		•		
	7"									•	•		•		
	8"									•			•		•
	10"										•			•	

- Resistenza a cartuccia  
- Cartridge heaters



Articoli con termocoppia/Items with thermocouple

Diametro / Diameter 6,5

		W				
		100	150	200	250	350
L	40	•	•	•		
	50			•		
	60			•	•	
	100					•

Diametro / Diameter 10

		W				
		200	250	320	350	400
L	40	•				
	50		•			
	60		•			•
	80		•	•		
	100				•	

Diametro / Diametres 8

		W						
		100	130	170	200	250	320	400
L	40	•						
	50		•			•		
	60					•		
	65			•				
	80						•	
	85				•			
	100						•	
	130							•

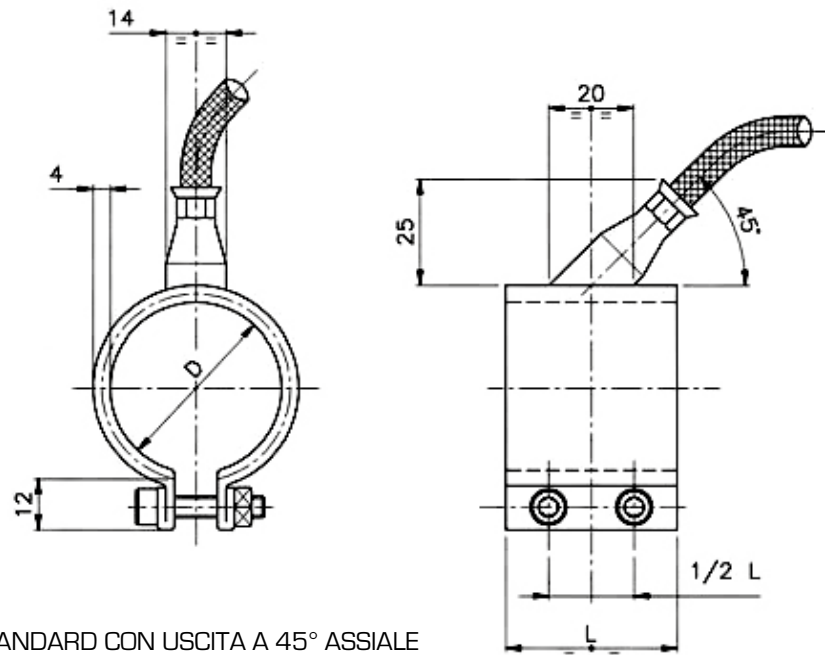
# R11\_ - Riscaldatore a Fascia per Ugelli (ottone)

- Nozzle Band Heater (brass)



I riscaldatori modello R11 vengono comunemente impiegati nei casi in cui non esiste problema di ingombro e di azione corrosiva della materia plastica e sono completamente impermeabili rispetto alla plastica fusa.

R11 band heaters are usually employed when there are no space limits and dangers coming from the plastic corrosive action. R11 band heaters are hermetically sealed from liquid plastic.



STANDARD CON USCITA A 45° ASSIALE

Cavo bipolare flessibile + terra, lung. 1000 mm

STANDARD WITH AXIAL EXIT 45°

Flexible bipolar cable + earth, length 1000 mm

## Caratteristiche tecniche

- Potenza specifica fino a 6 W/cm<sup>2</sup>
- Temperatura di esercizio 300/320° C
- Disponibili, a richiesta, con termocoppia incorporata di tipo Fe/CuNi (tipo J)
- Diametro massimo D 110 mm, larghezza massima L 60 mm
- Cavo di alimentazione fuori misura standard, a richiesta
- Modello standard con raccordo assiale a 45°
- Disponibili, a richiesta, con uscita radiale, o uscita tangenziale a 45° o 5°, o uscita assiale a 5° o 30° (vedere pag. 8).
- Tensione di alimentazione standard 230 V
- Disponibili, a richiesta, tensioni e potenze (watt) differenti
- Disponibile, a richiesta, esecuzione con foro e supporto filettato per termocoppie

## Materiali impiegati

- Involucro tubolare in ottone
- Avvolgimento resistivo in Nichel-Cromo 80/20
- Isolamento in mica continua
- Cavo di alimentazione flessibile bipolare + terra
- Conduttori in nichel isolati teflon-vetro con guaina metallica protettiva max temperatura di lavoro 320° con punte di 350°

## Opzione:

Conduttori in nichel puro o rame nichelato con guaina in gomma silicone max. temperatura di lavoro 180°

## Technical features

- Specific wattage up to 6 W/cm<sup>2</sup>
- Working temperature 300/320°
- Available, upon request, with built-in thermocouple J
- Max. diameter D 110 mm, max width L 60 mm
- Feeding lead length over 1000 mm upon request
- Standard model with axial exit 45°
- Available, upon request, radial exit, or tangential exit 45° or 5°, or axial exit 5° or 30° (as indicated pag. 8)
- Standard feeding voltage 230 V
- Different voltage and wattage, upon request
- Available upon request, it is manufactured with hole and threaded support for thermocouple

## Materials

- Brass tube
- Nickel-Chrome 80/20 resistive winding
- Continuous mica insulation
- Flexible bipolar feeding lead + earth wire
- Teflon-fibreglass insulated nickel conductors, with metal braiding protection Max working temperature is 320°C with tip 350°C

## Option:

Conductors are made in pure nickel or nickeled copper with silicone rubber jacket. Max working temperature is 180°C

# R11\_

- Riscaldatore a Fascia per Ugelli (acciaio)

- Nozzle Band Heater (steel)



Ø D mm	L mm	Watt	Codice / Code
25	30	100	RE25x30R11
30	25	105	RE30x25R11
30	30	125	RE30x30R11
30	35	145	RE30x35R11
30	40	165	RE30x40R11
35	25	120	RE35x25R11
35	30	145	RE35x30R11
35	35	170	RE35x35R11
35	40	195	RE35x40R11
35	45	220	RE35x45R11
40	25	140	RE40x25R11
40	30	165	RE40x30R11
40	35	195	RE40x35R11
40	40	225	RE40x40R11
40	45	250	RE40x45R11
42	25	145	RE42x25R11
42	30	175	RE42x30R11
42	35	205	RE42x35R11
42	40	235	RE42x40R11
45	25	155	RE45x25R11
45	30	190	RE45x30R11
45	35	220	RE45x35R11
45	40	250	RE45x40R11
45	45	285	RE45x45R11
45	50	315	RE45x50R11
45	55	345	RE45x55R11
50	20	140	RE50x20R11
50	25	175	RE50x25R11
50	30	210	RE50x30R11
50	35	245	RE50x35R11
50	40	280	RE50x40R11
50	50	350	RE50x50R11
50	60	420	RE50x60R11
55	20	155	RE55x20R11
55	25	190	RE55x25R11
55	30	230	RE55x30R11
55	35	270	RE55x35R11
55	40	310	RE55x40R11
55	50	385	RE55x50R11
60	20	165	RE60x20R11
60	25	210	RE60x25R11
60	30	250	RE60x30R11
60	35	295	RE60x35R11
60	40	335	RE60x40R11
60	50	420	RE60x50R11
60	60	505	RE65x60R11
65	20	180	RE65x20R11
65	25	225	RE65x25R11
65	30	275	RE65x30R11
65	35	320	RE65x35R11
65	40	365	RE65x40R11
65	50	455	RE65x50R11
65	60	550	RE65x60R11

Ø D mm	L mm	Watt	Codice/ Code
70	20	195	RE70x20R11
70	25	245	RE70x25R11
70	30	295	RE70x30R11
70	35	345	RE70x35R11
70	40	395	RE70x40R11
70	50	490	RE70x50R11
70	60	590	RE70x60R11
75	20	210	RE75x20R11
75	25	260	RE75x25R11
75	30	315	RE75x30R11
75	35	370	RE75x35R11
75	40	420	RE75x40R11
75	50	525	RE75x50R11
75	60	635	RE75x60R11
80	20	225	RE80x20R11
80	25	280	RE80x25R11
80	30	335	RE80x30R11
80	35	395	RE80x35R11
80	40	450	RE80x40R11
80	50	565	RE80x50R11
80	60	675	RE80x60R11
85	20	240	RE85x20R11
85	25	300	RE85x25R11
85	30	360	RE85x30R11
85	35	420	RE85x35R11
85	40	480	RE85x40R11
85	50	600	RE85x50R11
85	60	720	RE85x60R11
90	20	250	RE90x20R11
90	25	315	RE90x25R11
90	30	380	RE90x30R11
90	35	445	RE90x35R11
90	40	505	RE90x40R11
90	50	635	RE90x50R11
90	60	760	RE90x60R11
95	20	265	RE95x20R11
95	25	335	RE95x25R11
95	30	400	RE95x30R11
95	35	465	RE95x35R11
95	40	535	RE95x40R11
95	50	670	RE95x50R11
95	60	800	RE95x60R11
100	20	280	RE100x20R11
100	25	350	RE100x25R11
100	30	420	RE100x30R11
100	35	490	RE100x35R11
100	40	560	RE100x40R11
100	50	700	RE100x50R11
100	60	840	RE100x60R11

Esempio di ordinativo: Codice  
Example of purchasing order: Code

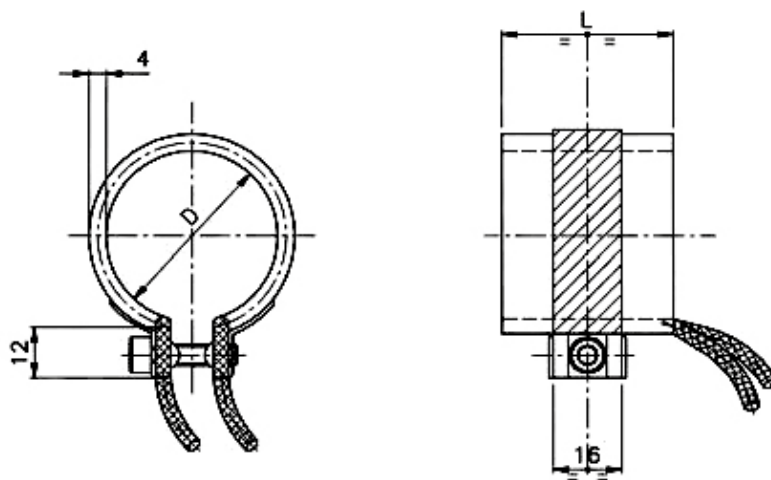
#### Note/Note

- Elementi disponibili a magazzino
- Potenza specifica 4,5 watt x cm<sup>2</sup> - 230 volt
- Elements available from stock
- Specific wattage 4,5 watt x cm<sup>2</sup> - 230 volt



I riscaldatori modello R15 vengono impiegati nei casi in cui lo spazio a disposizione è molto ridotto (stampi a camera calda) ed anche qualora vi sia una azione corrosiva della materia plastica (come ad esempio il PVC ed anche materie come Peek, ABS e PTFE additivati con ritardante di fiamma).

R15 band heaters are usually employed when the space around the nozzle is limited (hot runners) and also in the case of plastic corrosive action (i.e. PVC and other materials like PEEK, ABS and PTFE with flame retardant).



Nr. 1 fascetta fino a L 35 mm  
Nr. 2 fascette da L 36 mm a L 60 mm  
no. 1 band up to L 35 mm  
no. 2 bands from L 36 mm to L 60 mm

Cavo unipolare flessibile, lung. 1000 mm

Flexible unipolar cable, length 1000 mm

### Caratteristiche tecniche

- Potenza specifica fino a 7 W/cm<sup>2</sup>
- Temperatura di esercizio 350/370° C
- Disponibili, a richiesta, con termocoppia incorporata di tipo Fe/CuNi (tipo J)
- Diametro massimo D 110 mm, larghezza massima L 200 mm
- Cavi di alimentazione fuori misura standard, a richiesta
- Tensione di alimentazione standard 230 V
- Disponibili, a richiesta, tensioni e potenze differenti

### Materiali impiegati

- Involucro in acciaio ad alta conducibilità termica
- Avvolgimento resistivo in Nichel-Cromo 80/20
- Isolamento in mica continua
- Cavi di alimentazione flessibili unipolari
- Conduttori in nichel isolati teflon-vetro con guaina metallica protettiva

### Technical features

- Specific wattage up to 7 W/cm<sup>2</sup>
- Working temperature 350/370° C
- Available, upon request, with built-in thermocouple J
- Max. diameter D 110 mm, max. width L 200 mm
- Feeding lead length over 1000 mm, upon request
- Standard feeding voltage 230 V
- Different voltage and wattage, upon request

### Materials

- High thermal conductivity steel casing
- Nickel-Chrome 80/20 resistive winding
- Continuous mica insulation
- Flexible unipolar feeding leads
- Teflon-fibreglass insulated nickel conductors, with metal braiding protection

# R15

- Riscaldatore a Fascia per Ugelli (acciaio)  
- Nozzle Band Heater (steel)



Ø D mm	L mm	Watt	Codice / Code
25	30	115	RE25x30R15
30	25	125	RE30x25R15
30	30	155	RE30x30R15
30	35	180	RE30x35R15
30	40	205	RE30x40R15
35	25	150	RE35x25R15
35	30	180	RE35x30R15
35	35	210	RE35x35R15
35	40	240	RE35x40R15
35	45	270	RE35x45R15
40	25	170	RE40x25R15
40	30	205	RE40x30R15
40	35	240	RE40x35R15
40	40	275	RE40x40R15
40	45	310	RE40x45R15
42	25	180	RE42x25R15
42	30	215	RE42x30R15
42	35	250	RE42x35R15
42	40	290	RE42x40R15
45	25	155	RE45x25R15
45	30	190	RE45x30R15
45	35	220	RE45x35R15
45	40	250	RE45x40R15
45	45	285	RE45x45R15
45	50	315	RE45x50R15
50	20	170	RE50x20R15
50	25	215	RE50x25R15
50	30	255	RE50x30R15
50	35	300	RE50x35R15
50	40	345	RE50x40R15
50	50	430	RE50x50R15
55	20	185	RE55x20R15
55	25	235	RE55x25R15
55	30	280	RE55x30R15
55	35	330	RE55x35R15
55	40	375	RE55x40R15
55	50	470	RE55x50R15
55	60	565	RE55x60R15
60	20	205	RE60x20R15
60	25	255	RE60x25R15
60	30	310	RE60x30R15
60	35	360	RE60x35R15
60	40	410	RE60x40R15
60	50	515	RE60x50R15
60	60	620	RE65x60R15
65	20	220	RE65x20R15
65	25	280	RE65x25R15
65	30	335	RE65x30R15
65	35	390	RE65x35R15
65	40	445	RE65x40R15
65	50	560	RE65x50R15
65	60	670	RE65x60R15

Ø D mm	L mm	Watt	Codice/ Code
70	20	240	RE70x20R15
70	25	300	RE70x25R15
70	30	360	RE70x30R15
70	35	420	RE70x35R15
70	40	480	RE70x40R15
70	50	600	RE70x50R15
70	60	725	RE70x60R15
75	20	255	RE75x20R15
75	25	320	RE75x25R15
75	30	385	RE75x30R15
75	35	450	RE75x35R15
75	40	515	RE75x40R15
75	50	645	RE75x50R15
75	60	775	RE75x60R15
80	20	275	RE80x20R15
80	25	345	RE80x25R15
80	30	410	RE80x30R15
80	35	480	RE80x35R15
80	40	550	RE80x40R15
80	50	690	RE80x50R15
80	60	825	RE80x60R15
85	20	290	RE85x20R15
85	25	365	RE85x25R15
85	30	440	RE85x30R15
85	35	510	RE85x35R15
85	40	585	RE85x40R15
85	50	730	RE85x50R15
85	60	880	RE85x60R15
90	20	310	RE90x20R15
90	25	410	RE90x25R15
90	30	490	RE90x30R15
90	35	570	RE90x35R15
90	40	655	RE90x40R15
90	50	820	RE90x50R15
90	60	980	RE90x60R15
95	20	325	RE95x20R15
95	25	410	RE95x25R15
95	30	490	RE95x30R15
95	35	570	RE95x35R15
95	40	655	RE95x40R15
95	50	820	RE95x50R15
95	60	980	RE95x60R15
100	20	345	RE100x20R15
100	25	430	RE100x25R15
100	30	515	RE100x30R15
100	35	600	RE100x35R15
100	40	690	RE100x40R15
100	50	860	RE100x50R15
100	60	1030	RE100x60R15

Esempio di ordinativo: Codice  
Example of purchasing order: Code

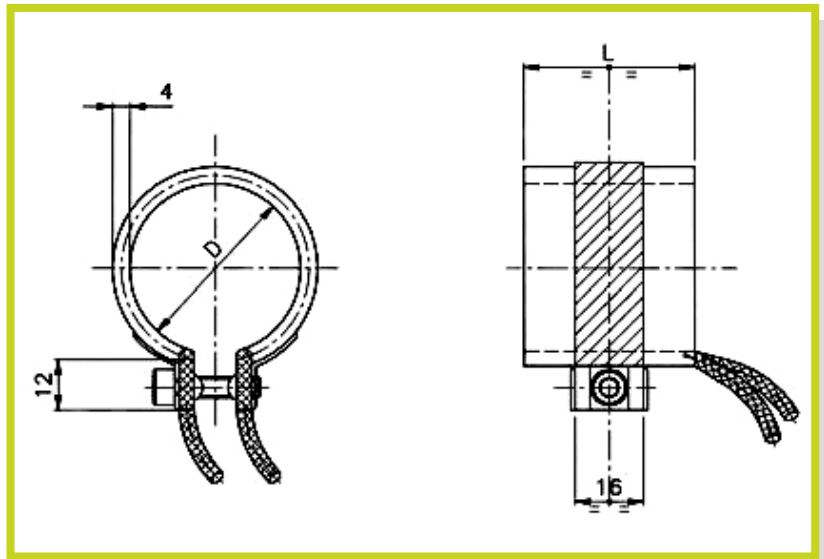
## Note/Note

- Elementi disponibili a magazzino
- Potenza specifica 5,5 watt x cm<sup>2</sup> - 230 volt
- Elements available from stock
- Specific wattage 5,5 watt x cm<sup>2</sup> - 230 volt

## R15 TCI

- Modello R15 con termocoppia incorporata  
- Model R15 with thermocouple incorporated

**RANCO**



Esempio di ordinativo: Codice TCI  
Example of purchasing order: Code TCI

A richiesta è possibile fornire il modello R15 con termocoppia incorporata con giunto a massa e cavo di terra.

It's available upon request a model R15 with thermocouple incorporated with connectors and ground connection.

## R15 TCE

- Modello R15 con termocoppia esterna  
- Model R15 with external thermocouple

**RANCO**



Esempio di ordinativo: Codice TCE  
Example of purchasing order: Code TCE

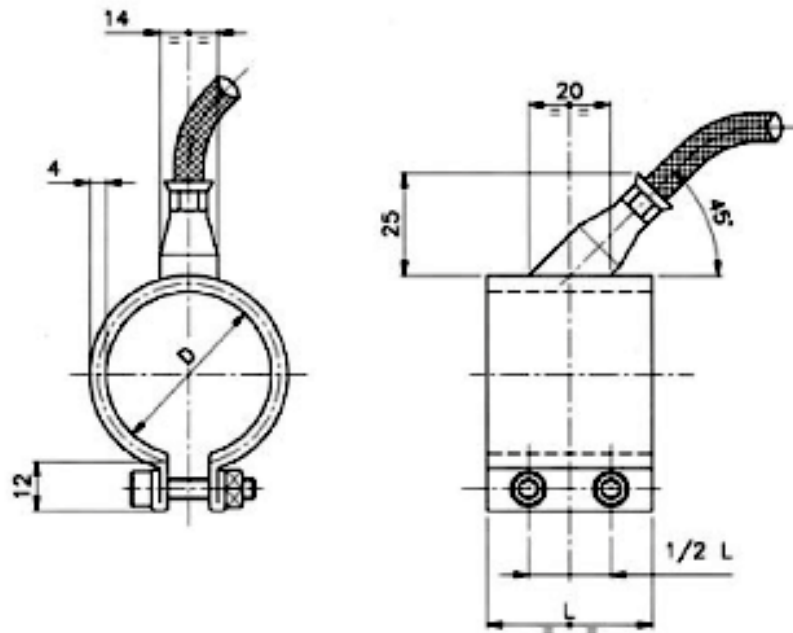
Nelle R15 (anche da magazzino) è possibile inserire una termocoppia in ossido minerale con giunto isolato  
ØD 1,5 mm lunghezza 50/100 mm

For R15 (from stock also) it's possible to insert a thermocouple in mineral oxide with isolated connectors  
ØD 1,5mm length 50/100mm

I riscaldatori modello R17 sono la risposta alle nuove esigenze di mercato incontrano le crescenti richieste di potenze e di temperature di lavoro sempre maggiori.

Non subiscono nessun tipo di azione corrosiva della materia plastica e sono completamente impermeabili rispetto alla plastica fusa.

R17 nozzle band heaters are the answer to the new market needs. They are born to meet the growing request for higher and higher wattages and working temperatures. R17 nozzle band heaters are totally protected from the plastic corrosive action and are hermetically sealed from liquid plastic.



STANDARD CON USCITA A 45° ASSIALE

Cavo bipolare flessibile + terra, lung. 1000 mm

STANDARD WITH AXIAL EXIT 45°

Flexible bipolar cable + earth, length 1000 mm

### Caratteristiche tecniche

- Potenza specifica fino a 8 W/cm<sup>2</sup>
- Temperatura di esercizio 380/400° C
- Disponibili, a richiesta, con termocoppia incorporata di tipo Fe/Co
- Diametro massimo D 110 mm, larghezza massima L 60 mm
- Cavo di alimentazione fuori misura standard, a richiesta
- Modello standard con raccordo assiale a 45°
- Disponibili, a richiesta, con uscita radiale, o uscita tangenziale a 45° o 5°, o uscita assiale a 5° o 30° (vedere pag. 8)
- Tensione di alimentazione standard 230 V
- Disponibili, a richiesta, tensioni e potenze differenti
- Disponibili, a richiesta, esecuzione con foro e supporto filettato per Termocoppie

### Materiali impiegati

- Involucro tubolare in acciaio inox
- Avvolgimento resistivo in Nichel-Cromo 80/20
- Isolamento in mica continua
- Cavo di alimentazione flessibile bipolare + terra
- Conduttori in nichel isolati teflon-vetro con guaina metallica protettiva max temperatura di lavoro 320° con punte di 350°

### Opzione:

Conduttori in nichel puro o rame nichelato con guaina in gomma silicone max. temperatura 180°

### Technical features

- Specific wattage up to 8 W/cm<sup>2</sup>
- Working temperature 380/400° C
- Available, upon request, with built-in thermocouple J
- Max. diameter D 110, max. width L 200 mm
- Feeding lead length over 1000 mm, upon request
- Standard model with axial exit 45°
- Available, upon request, radial exit, or tangential exit 45° or 5°, or axial exit 5° or 30° [as indicated pag. 8]
- Standard feeding voltage 230 V
- Special voltage and wattage, upon request
- Available upon request. It is manufactured with hole and threaded support for thermocouple.

### Materials

- Stainless steel tube
- Nickel-Chrome 80/20 resistive winding
- Continuous mica insulation
- Flexible bipolar feeding lead + earth wire
- Teflon-fibreglass insulated nickel conductors, with metal braiding protection Max working temperature is 320°C with tip 350°C

### Option:

Conductors are made in pure nickel or nickeled copper with silicone rubber jacket. Max working temperature is 180°C

# R17\_ - Riscaldatorie a Fascia per Ugelli (acciaio/plus) - Nozzle Band Heater (steel/plus)



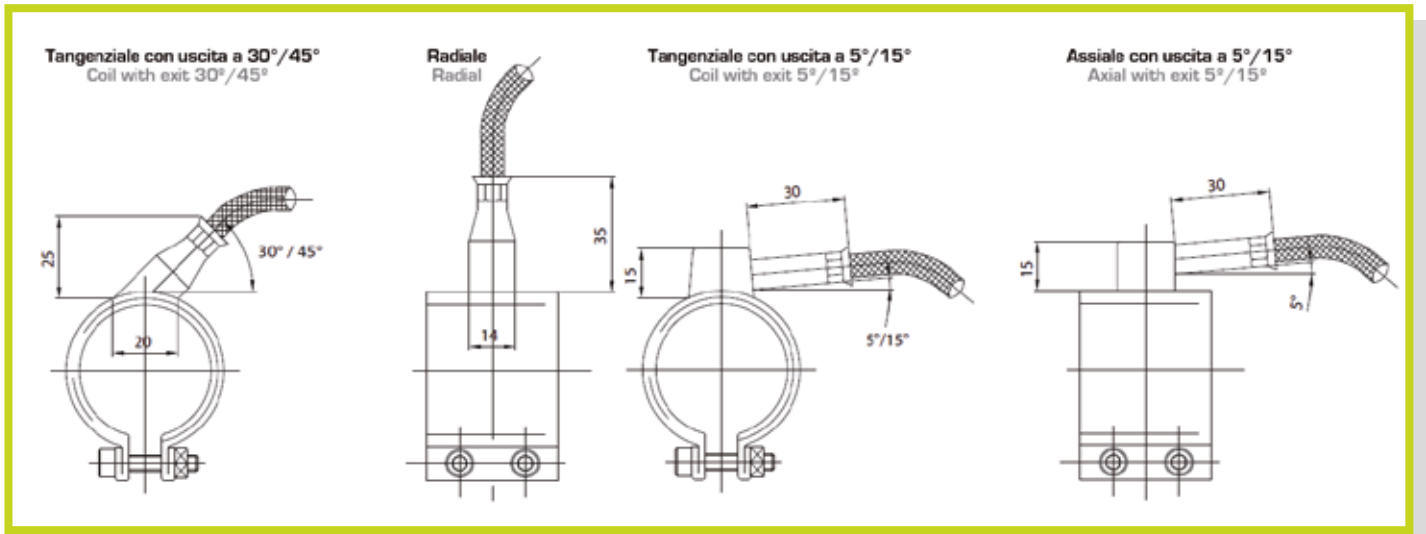
Ø D mm	L mm	Watt	Codice / Code
25	30	130	RE25x30R17
30	25	130	RE30x25R17
30	30	170	RE30x30R17
30	35	200	RE30x35R17
30	40	230	RE30x40R17
35	25	160	RE35x25R17
35	30	200	RE35x30R17
35	35	240	RE35x35R17
35	40	270	RE35x40R17
35	45	310	RE35x45R17
40	25	190	RE40x25R17
40	30	230	RE40x30R17
40	35	270	RE40x35R17
40	40	310	RE40x40R17
40	45	350	RE40x45R17
42	25	200	RE42x25R17
42	30	240	RE42x30R17
42	35	290	RE42x35R17
42	40	330	RE42x40R17
45	25	210	RE45x25R17
45	30	260	RE45x30R17
45	35	310	RE45x35R17
45	40	350	RE45x40R17
45	45	400	RE45x45R17
45	50	450	RE45x50R17
45	55	490	RE45x55R17
50	20	190	RE50x20R17
50	25	240	RE50x25R17
50	30	290	RE50x30R17
50	35	340	RE50x35R17
50	40	390	RE50x40R17
50	50	500	RE50x50R17
50	60	600	RE50x60R17
55	20	210	RE55x20R17
55	25	270	RE55x25R17
55	30	320	RE55x30R17
55	35	380	RE55x35R17
55	40	430	RE55x40R17
55	50	540	RE55x50R17
60	20	230	RE60x20R17
60	25	290	RE60x25R17
60	30	350	RE60x30R17
60	35	410	RE60x35R17
60	40	470	RE60x40R17
60	50	600	RE60x50R17
60	60	720	RE65x60R17
65	20	250	RE65x20R17
65	25	320	RE65x25R17
65	30	380	RE65x30R17
65	35	450	RE65x35R17
65	40	520	RE65x40R17
65	50	650	RE65x50R17
65	60	780	RE65x60R17

Ø D mm	L mm	Watt	Codice/ Code
70	20	270	RE70x20R17
70	25	340	RE70x25R17
70	30	410	RE70x30R17
70	35	490	RE70x35R17
70	40	560	RE70x40R17
70	50	700	RE70x50R17
70	60	840	RE70x60R17
75	20	290	RE75x20R17
75	25	370	RE75x25R17
75	30	440	RE75x30R17
75	35	520	RE75x35R17
75	40	560	RE75x40R17
75	50	750	RE75x50R17
75	60	900	RE75x60R17
80	20	310	RE80x20R17
80	25	390	RE80x25R17
80	30	470	RE80x30R17
80	35	560	RE80x35R17
80	40	640	RE80x40R17
80	50	800	RE80x50R17
80	60	960	RE80x60R17
85	20	330	RE85x20R17
85	25	420	RE85x25R17
85	30	500	RE85x30R17
85	35	590	RE85x35R17
85	40	680	RE85x40R17
85	50	850	RE85x50R17
85	60	1020	RE85x60R17
90	20	350	RE90x20R17
90	25	440	RE90x25R17
90	30	540	RE90x30R17
90	35	630	RE90x35R17
90	40	720	RE90x40R17
90	50	900	RE90x50R17
90	60	1080	RE90x60R17
95	20	370	RE95x20R17
95	25	470	RE95x25R17
95	30	570	RE95x30R17
95	35	660	RE95x35R17
95	40	760	RE95x40R17
95	50	950	RE95x50R17
95	60	1150	RE95x60R17
100	20	380	RE100x20R17
100	25	500	RE100x25R17
100	30	600	RE100x30R17
100	35	700	RE100x35R17
100	40	800	RE100x40R17
100	50	1000	RE100x50R17
100	60	1200	RE100x60R17

### Note/Note

- Elementi disponibili a magazzino
- Potenza specifica 6,5 watt x cm<sup>2</sup> - 230 volt
- Elements available from stock
- Specific wattage 6,5 watt x cm<sup>2</sup> - 230 volt

- Uscite per riscaldatori a fascia per ugelli  
- Exit for coil heaters for nozzles



Modelli con uscite alternative per riscaldatori: R11 - R17

Models with alternative exists for heaters: R11 - R17

## Dati Tecnici

### Impiego

- Per riscaldare i cilindri di plastificazione di presse per stampaggio a iniezione oppure di estrusori.
- Altre innumerevoli applicazioni trovano nelle resistenze a fascia in mica la soluzione del problema di riscaldamento di superfici cilindriche.

### Vantaggi del riscaldatore a fascia in mica

- Eccellente scambio termico verso il cilindro
- Uniformità del riscaldamento
  - Ottima durata del riscaldatore quando impiegato correttamente
- Semplicità d'installazione
- Elevata resistenza meccanica
- Qualità costante nel tempo

### Diametri

- Dal diametro 60 mm in avanti. Per resistenze di diametro superiore a 500 mm è consigliabile optare per una realizzazione in due o più settori con alimentazioni separate.
- Dal diametro 300mm in avanti, chiusura con molla di compensazione a vite M6 L100.

### Larghezze

- Le larghezze eseguibili vanno da un minimo di 20 mm ad un massimo di 500 mm con continuità.
- Dalla larghezza 30mm è possibile prevedere fori o asole per inserimento termocoppie esterne, è possibile inoltre prevedere un attacco filettato.

### Caratteristiche tecniche

- Potenza specifica fino a 4W/cm<sup>2</sup>
- Temperatura di esercizio fino a 320 °C
- Lamiera interna in acciaio trattato per alta conducibilità termica
- Lamiera esterna in acciaio inox (AISI 430), resistente alle alte temperature
- Avvolgimento resistivo in Nichel-Cromo 80/20
- Isolamento in mica continua pura per alte temperature
- Spessore riscaldatore standard 4 ± 0,5 mm
- Cavo di alimentazione isolato in fibra di vetro, con conduttore in rame nichelato, protetto esternamente da una treccia metallica. (Max. temperatura di lavoro costante 320°C con punte di 350°C)
- Opzione: Cavo di alimentazione isolato in gomma silicone con conduttore in Nichel puro o rame nichelato. (Temperatura di lavoro costante massimo 180°C con punte di 200°C)

### Collegamenti elettrici possibili

- Tutte le tensioni monofase
- Dalla larghezza di 100 mm in avanti sono possibili alimentazioni trifase a Y o Δ

### Esecuzioni speciali

- E' possibile eseguire questo riscaldatore con lamiera interna dentinata per consentire l'apertura del riscaldatore oltre il diametro del cilindro nelle situazioni in cui non è possibile l'inserimento da un lato.

## Technical Data

### Use

- Plasticization cylinders for injection molding machines or extruders
- Mica band heaters are the ideal solution for heating cylindrical surfaces in many other applications

### Advantages of the mica band heaters

- Excellent heat exchange to the cylinder
- Heating uniformity
- Long life of the heater (when properly used)
- Easy to install
- High mechanical resistance
- Constant quality with time

### Diameters

- Starting from 60mm, for heaters whose diameter is over 500mm is recommendable to manufacture them in two or more different sector with separate feedings
- Starting from 300mm the heater has a closure with a compensation spring and a screw M6 L100

### Widths

- Feasible widths starting from 20mm to 500mm (continuous width)
- Starting from 300mm it is possible to supply heaters with holes for inset of external thermocouples, besides it is possible to provide a threaded connector

### Technical Features

- Specific Wattage up to 4W/cm<sup>2</sup>
- Working temperature up to 320°C
- Internal sheet made of high heat conductivity treated steel
- External sheet made of stainless steel AISI 430 resistant to high temperatures
- Resistive ribbons made of NiCr 80/20
- Insulation made of pure Mica for high temperatures
- Heater's standard thickness 4 +/-0.5mm
- Fibreglass insulated feeding cable with pure Ni or CuNi conductor externally protected by a metal braiding (built in earth wire) – working temperature 320°C, with peak 350°C
- Options:
  - Pure Ni or CuNi conductors with silicon sleeve -max working (Temperature 180°C, peak 200°)

### Feasible electric connections

- All monophase voltages
- Over 100mm width it is possible to apply a star (Y) or delta (Δ) three phase feeding

### Special execution

- It is possible to perform this heater with dentated inner plate to consent the opening of the heater over the diameter of cylinder in situations when it is not possible to insert from the side.



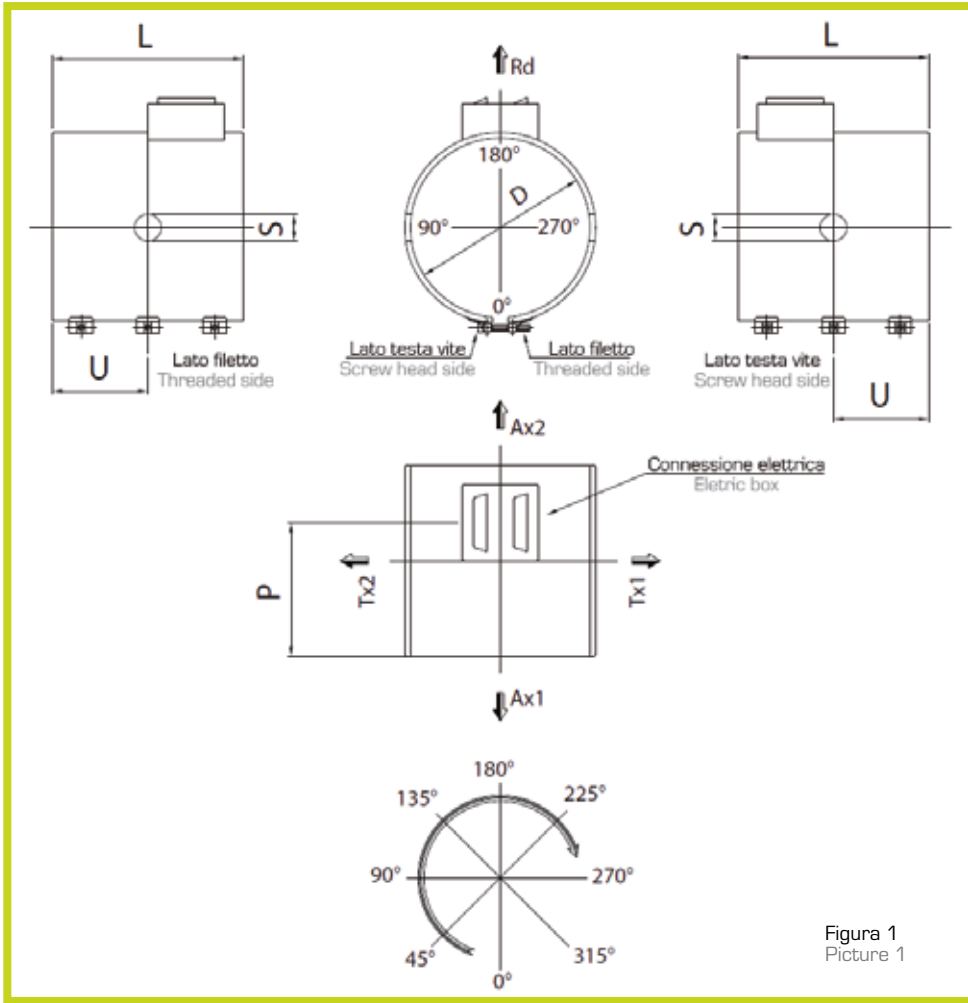


Figura 1  
Picture 1

**Per l'ordinazione, specificare:**

- Applicazione: .....
- + Diametro in mm (D): .....
- + Larghezza in mm (L): .....
- + Tensione di alimentazione (V): .....
- + Potenza (W): .....

**Uscita:**

- + Tipo (M): .....
- + Posizione uscita dal bordo della scatola (P): .....
- + Posizione in gradi della scatola (fig. 1): .....
- + Direzione del cavo: assiale (AX) - tangenziale (TX) - radiale (RD): .....
- + Lunghezza del cavo in mm: .....

**Fori o asole per termocoppia:**

- + Numero fori o asole: .....
- + Posizione in gradi (fig. 1): .....
- + Centro foro/asola dal bordo (sulla larghezza) (U): .....
- + Diametro fori in mm: .....
- + Eventuali supporti filettati: .....
- + Diametro asole in mm: .....
- + Eventuali carter di coibentazione: .....

**When ordering specify:**

- Application: .....
- + Diameter D (mm): .....
- + Width L (mm): .....
- + Feeding voltage (V): .....
- + Wattage (W): .....

**Exit Box:**

- + Type (M): .....
- + Position from the edge (P): .....
- + Position as per pic. 1 (degrees): .....
- + Cable direction: axial (AX 1/2) - tangential (TX 1/2) - radial: .....
- + Cable length (mm): .....

**Thermocouple holes and slot:**

- + N° holes and slot: .....
- + Position as per pic. 1 (degrees): .....
- + Holes/slot Axis from the edge (U): .....
- + Holes' diameter (mm): .....
- + Any threaded connector: .....
- + Slot diameter (mm): .....
- + Any insulation covering: .....



## Dati Tecnici

### Impiego

- Per riscaldare i cilindri di plastificazione di presse per stampaggio a iniezione oppure di estrusori.
- Altre innumerevoli applicazioni trovano nelle resistenze a fascia in ceramica la soluzione del problema di riscaldamento di superfici cilindriche.

### Vantaggi del riscaldatore a fascia in ceramica

- Ottimo scambio termico verso il cilindro.
- Uniformità del riscaldamento.
- Ottima durata del riscaldatore quando impiegato correttamente.
- Semplicità d'installazione.
- Elevata resistenza meccanica
- Qualità costante nel tempo
- Molto importante sottolineare che, nel caso di questo riscaldatore, lo scambio termico avviene sia per conduzione sia per radiazione.
- Risparmio energetico (bisogna tenere conto di questo importante particolare, infatti lo strato di fibra ceramica interposto fra la ceramica e l'involucro esterno riduce di circa il 20% il consumo di energia rispetto ad un normale riscaldatore a fascia in mica).

### Diametri

- Dal diametro 70 mm in avanti. Per resistenze di diametro superiore a 500 mm è consigliabile optare per una realizzazione in due o più settori con alimentazioni separate.
- dal diametro 300mm in avanti chiusura con molla di compensazione a vite M6 L100

### Larghezze

- In questo caso, le larghezze sono determinate dall'interasse dei fori all'interno dei blocchetti in ceramica, di conseguenza abbiamo elaborato tabella con le larghezze standard in mm.

### Caratteristiche tecniche

- Potenza specifica fino a 8 W/cm<sup>2</sup>
- Temperatura di esercizio fino a 420 °C
- Lamiera esterna in acciaio inox trattato, resistente alle alte temperature
- Filo resistivo in Nichel-Cromo 80/20
- Isolamento in ceramica ad alta purezza
- Coibente in fibra ceramica
- Spessore riscaldatore standard 12 ± 1 mm
- Cavo di alimentazione isolato in fibra di vetro, con conduttore in rame nichelato, protetto esternamente da una treccia metallica. (Max. temperatura di lavoro costante 320°C con punte di 350°C)
- Opzione:  
Cavo di alimentazione isolato in gomma silicone con conduttore in Nichel puro o rame nichelato. (Temperatura di lavoro costante massimo 180°C con punte di 200°C)

### Collegamenti elettrici possibili

- Tutte le tensioni monofase
- Dalla larghezza 53 mm alla larghezza 121 mm è possibile applicare una alimentazione trifase a Y.
- Oltre la larghezza 121 mm è possibile applicare una alimentazione trifase a Y o a Δ.

## Technical Data

### Use

- Plasticization cylinders for injection molding machines or extruders
- Mica band heaters are the ideal solution for heating cylindrical surfaces in many other applications

### Advantages of the mica band heaters

- Excellent heat exchange to the cylinder
- Heating uniformity
- Long life of the heater (when properly used)
- Easy to install
- High mechanical resistance
- Constant quality with time
- It is very important underlining that for this heater, heat exchange takes place both for conduction and radiation.
- Energy saving is an important characteristic because the ceramic fibre layer, placed between the ceramic and the external casing, reduces of about 20% energy consumption, if compared to a normal mica band heater.

### Diameters

- Starting from 70mm, for heaters whose diameter is over 500mm is recommendable to manufacture them in two or more different sector with separate feedings
- Starting from 300mm the heater has a closure with a compensation spring and a screw M6 L100

### Widths

- In this case, widths are determined by the distance between the holes inside the ceramic blocks and, therefore, we have worked out the table with the standard widths in mm.

### Technical Features

- Specific wattage up to 8 W/cm<sup>2</sup>
- Working temperature up to 420 °C
- External stainless steel sheet, resistant to high temperatures
- Nickel-Chrome 80/20 resistive winding
- High purity ceramic insulation
- Ceramic fibre insulation
- Heater's standard thickness 12 +/- 1mm
- Fibreglass insulated feeding cable with pure Ni or CuNi conductor externally protected by a metal braiding (built in earth wire) – working temperature 320°C, with peak 350°C.
- Options:  
Pure Ni or CuNi conductors with silicon sleeve –max working (Temperature 180°C, peak 200°)

### Feasible electric connections

- All monophase voltages
- From 53mm width up to 121mm, it is possible to apply a star (Y) three phase feeding
- Over 121mm width it is possible to apply a star (Y) or delta (Δ) three phase feeding

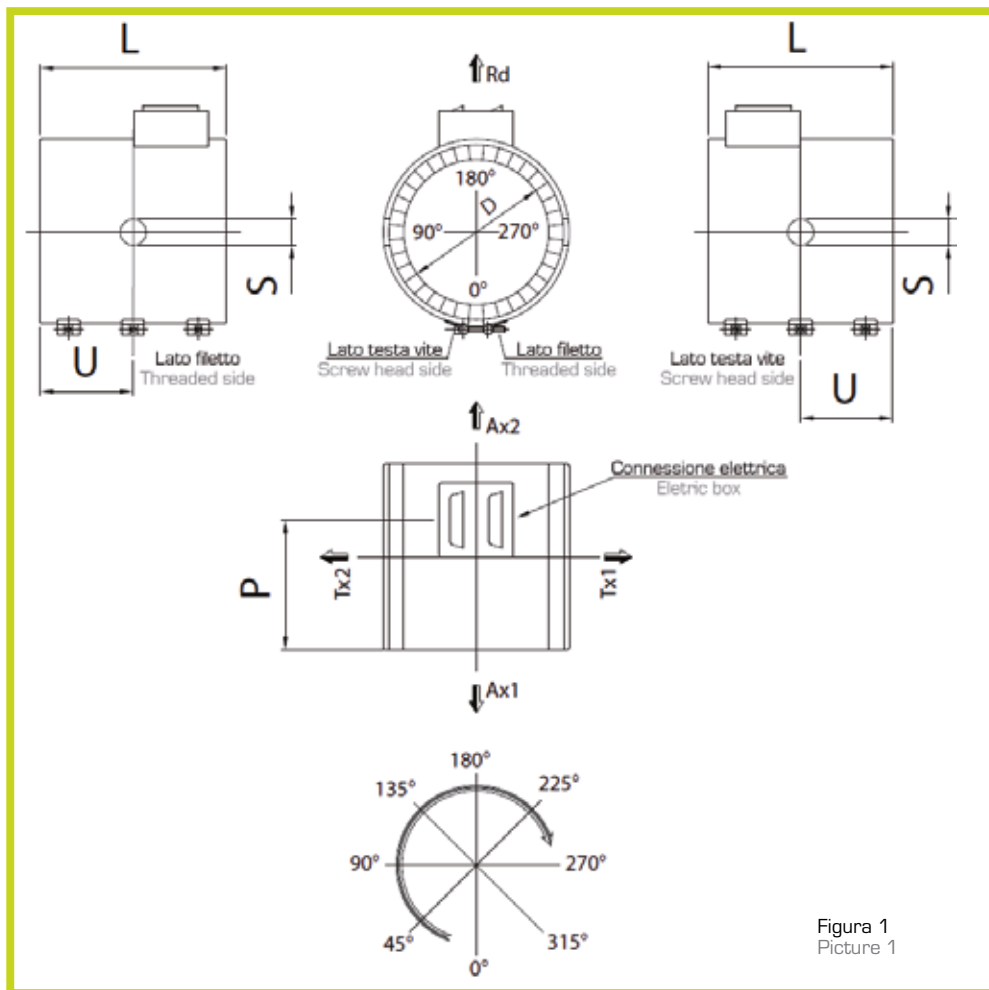


Figura 1  
Picture 1

**Per l'ordinazione, specificare:**

- Applicazione: .....
- + Diametro in mm (D): .....
- + Larghezza in mm (L) (secondo la tabella sopra indicata): .....
- + Tensione di alimentazione (V): .....
- + Potenza (W): .....

**Uscita:**

- + Tipo (C): .....
- + Posizione uscita dal bordo della scatola (P): .....
- + Posizione in gradi della scatola (fig. 1): .....
- + Direzione del cavo: assiale (AX 1-2) - tangenziale (TX 1-2) - radiale (RD): .....
- + Lunghezza del cavo in mm: .....

**Fori o asole per termocoppia:**

- + Numero fori o asole: .....
- + Posizione in gradi (fig. 1): .....
- + Centro foro/asola dal bordo (sulla larghezza) (U): .....
- + Diametro fori in mm: (S): .....
- + Eventuali supporti filettati: .....
- + Diametro asole in mm: .....
- + Eventuali carter di coibentazione: .....

**When ordering specify:**

- Application: .....
- + Diameter D (mm): .....
- + Width L (mm) [according to the table in the bottom of the page]: .....
- + Feeding voltage (V): .....
- + Wattage (W): .....

**Exit Box:**

- + Type (C): .....
- + Position from the edge (P): .....
- + Position as per pic. 1 (degrees): .....
- + Cable direction: axial (AX 1-2) - tangential (TX 1-2) - radial: .....
- + Cable length (mm): .....

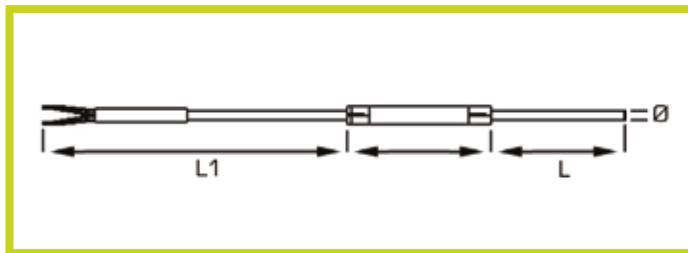
**Thermocouple Holes and slot:**

- + N° holes and slot: .....
- + Position as per pic. 1 [degrees]: .....
- + Holes/slot Axis from the edge (U): .....
- + Holes' diameter (mm): .....
- + Any threaded connector: .....
- + Slot diameter (mm): .....
- + Any insulation covering: .....

**TABELLA LARGHEZZE STANDARD/STANDARD WIDTH**

Larghezze/Width [mm]										
23	68	113	158	203	248	293	338	383	428	473
31	76	121	166	211	256	301	346	391	436	481
38	83	128	173	218	263	308	353	398	443	488
46	91	136	181	226	271	316	361	406	451	496
53	98	143	188	233	278	323	368	413	458	503
61	106	151	196	241	286	331	376	421	466	511

**TC** - Termocoppie - Ossido minerali  
 - Thermocouples - Mineral oxide



Materiale cavo: Kapton 2x0,22

Material cable: Kapton 2x0,22

Giunto isolato: Termocoppia tipo J

Isolated joint: Thermocouples J type

Norma ANSI (bianco rosso)

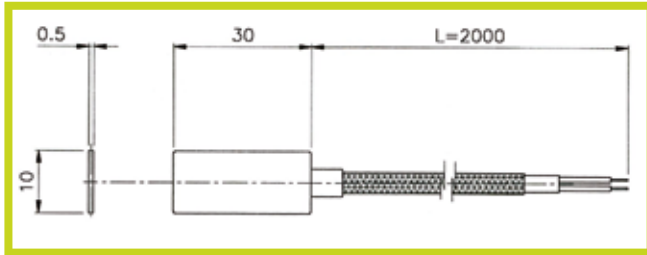
ANSI norm (white red)

Esempio di ordinativo: Codice  
 Example of purchasing order: Code

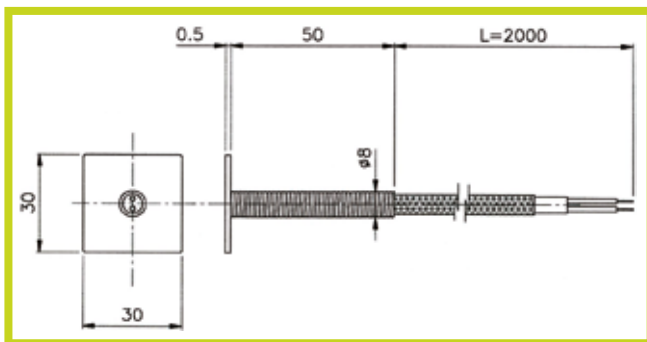
Codice Code	Ø	L1	L
TC01X050MT2	1	C2000	50
TC01X075MT2	1	C2000	75
TC01X100MT2	1	C2000	100
TC01X150MT2	1	C2000	150
TC01X200MT2	1	C2000	200
TC01X250MT2	1	C2000	250
TC01X500MT2	1	C2000	500
TC01X999MT2	1	C2000	1000
TC15X050MT2	1,5	C2000	50
TC15X075MT2	1,5	C2000	75
TC15X100MT2	1,5	C2000	100
TC15X150MT2	1,5	C2000	150
TC15X200MT2	1,5	C2000	200
TC15X250MT2	1,5	C2000	250
TC15X500MT2	1,5	C2000	500
TC15X999MT2	1,5	C2000	1000
TC02X075MT2	2	C2000	75
TC02X100MT2	2	C2000	100
TC02X150MT2	2	C2000	150
TC02X200MT2	2	C2000	200
TC02X250MT2	2	C2000	250

**TC**

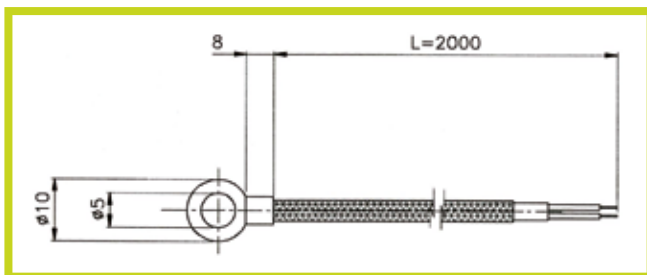
- Termocoppie e Termoresistenze  
- Thermocouples and Thermoresistances

**RANCO**

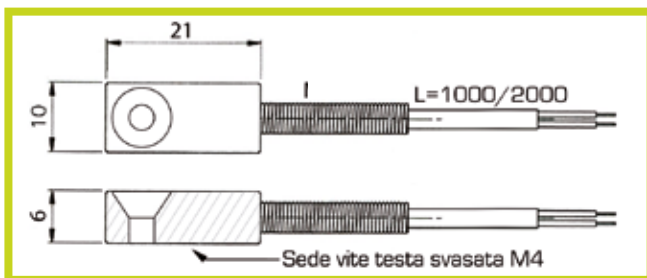
Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice x L  
Example of purchasing order: Code x L

<b>Codice</b> Code	<b>TCF 3010</b>
<b>Materiale tubo</b> Tube material	AISI 304
<b>Materiale piastra</b> Plate material	Ottone Brass
<b>Elemento sensibile</b> Sensitive element	Fe cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v. sil/v.sil schermato gl. sil/gl. sil shielded

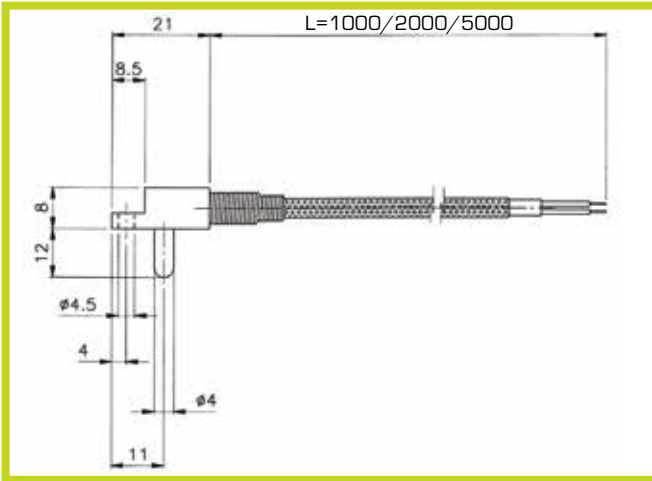
<b>Codice</b> Code	<b>TCF 3030</b>
<b>Materiale tubo</b> Tube material	AISI 304
<b>Materiale piastra</b> Plate material	Ottone Brass
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v. sil/v.sil schermato gl. sil/gl. sil shielded

<b>Codice</b> Code	<b>TC 5D10D</b>
<b>Materiale occhio</b> Eyelet material	AISI 304
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Coni
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v. sil/v.sil schermato gl. sil/gl. sil shielded

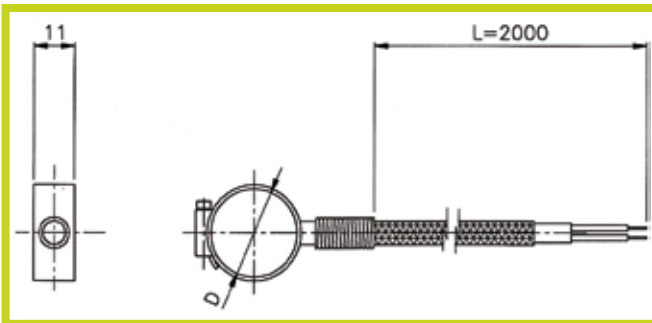
<b>Codice</b> Code	<b>TCBLOC6X10</b>
<b>Materiale corpo</b> Body material	Ottone Brass
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Coni
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400

**TC**

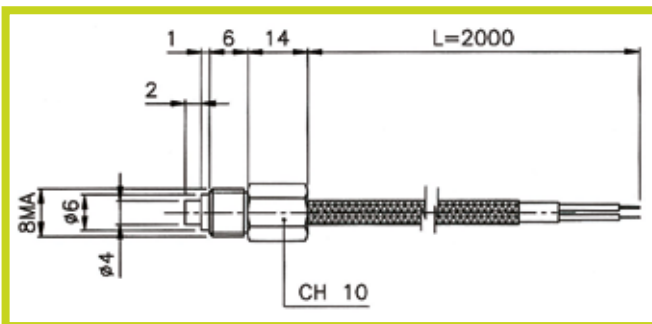
- Termocoppie e Termoresistenze  
- Thermocouples and Thermoresistances

**RANCO**

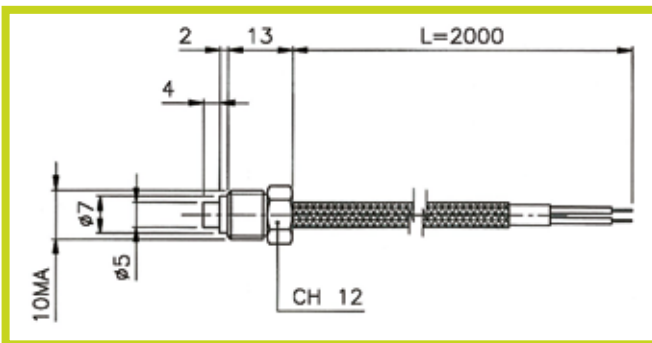
Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



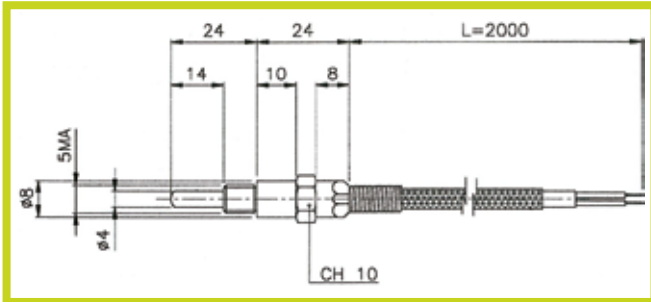
Esempio di ordinativo: Codice x L  
Example of purchasing order: Code x L

<b>Codice</b> Code	<b>TC SCP 4X12</b>
<b>Materiale corpo</b> Body material	AISI 304
<b>Elemento puntale</b> Pin material	Ottone nickelato Nickel plated brass
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded

<b>Codice</b> Code	<b>TC 2545F</b>	<b>Ø min</b> 25	<b>Ø max</b> 45
	<b>TC 4670F</b>	46	70
	<b>TC 7898F</b>	78	98
<b>Materiale tubo</b> Tube material	AISI 304		
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost		
<b>Giunto caldo</b> Hot junction	A massa Grounded		
<b>Temperatura max °C</b> Max temperature °C	-10 +400		
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded		

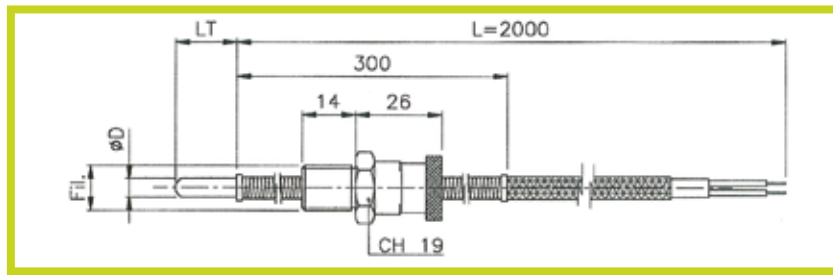
<b>Codice</b> Code	<b>TC 4D8MA</b>
<b>Materiale tubo</b> Tube material	AISI 304
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded

<b>Codice</b> Code	<b>TC 5D10MA</b>
<b>Materiale tubo</b> Tube material	AISI 304
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded



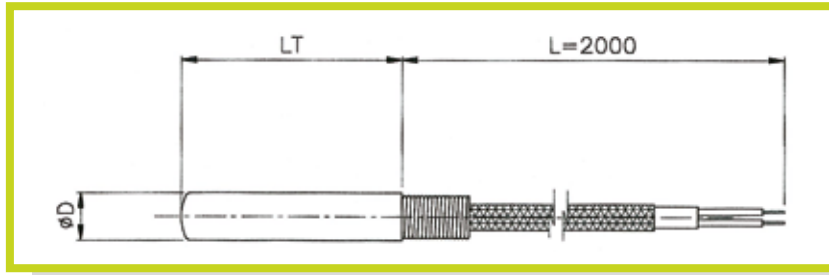
Esempio di ordinativo: Codice (più eventuale filetto dove possibile)  
Example of purchasing order: Code (and thread if possible)

<b>Codice</b> Code	<b>TC 4D5MA</b>
<b>Materiale tubo</b> Tube material	AISI 304
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost
<b>Giunto caldo</b> Hot junction	A massa Grounded
<b>Temperatura max °C</b> Max temperature °C	-10 +400
<b>Cavo L 2000 mm</b> Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded



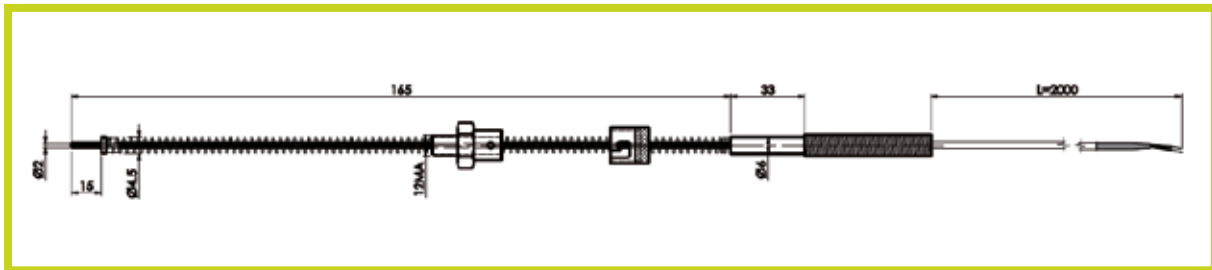
Esempio di ordinativo: Codice (più eventuale filetto dove possibile)  
Example of purchasing order: Code (and thread if possible)

<b>Codice</b> Code	<b>TC 5DL15</b> (ØD 5 - LT 15 mm)	<b>TC 6DL15I</b> (ØD 6 - LT 15 mm)	<b>Fil.</b> Thread
<b>Materiale tubo</b> Tube material	AISI 304	AISI 304	
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost	Fe Cost Fe Cost	1/4" g
<b>Giunto caldo</b> Hot junction	A massa Grounded	Isolato Insulated	
<b>Temperatura max °C</b> Max temperature °C	-10 +400	-10 +400	3/8" g
<b>Codice</b> Code	<b>TC 6DL35</b> (ØD 6 - LT 35 mm)	<b>TC 6DL15M</b> (ØD 6 - LT 15 mm)	
<b>Materiale tubo</b> Tube material	AISI 304	AISI 304	12 MA
<b>Elemento sensibile</b> Sensitive element	Fe Cost Fe Cost	Fe Cost Fe Cost	
<b>Giunto caldo</b> Hot junction	A massa Grounded	A massa Grounded	12 MB
<b>Temperatura max °C</b> Max temperature °C	-10 +400	-10 +400	



Esempio di ordinativo: Codice  
Example of purchasing order: Code

Codice Code	TCR 5DL 120 (ØD 5 - LT 120)	TCR 6DL 90 (ØD 6 - LT 90)	TCR 8DL 50 (ØD 8 - LT 50)	TCR 8DL 100 (ØD 8 - LT 100)
Materiale tubo Tube material	AISI 304	AISI 304	AISI 304	AISI 304
Elemento sensibile Sensitive element	Fe Cost Fe Cost	Fe Cost Fe Cost	Fe Cost Fe Cost	Fe Cost Fe Cost
Giunto caldo Hot junction	A massa Grounded	A massa Grounded	A massa Grounded	A massa Grounded
Temperatura max °C Max temperature °C	-10 +400	-10 +400	-10 +400	-10 +400
Cabo L 2000 mm Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded	v.sil/v.sil schermato gl.sil/gl.sil shielded	v.sil/v.sil schermato gl.sil/gl.sil shielded	v.sil/v.sil schermato gl.sil/gl.sil shielded



Esempio di ordinativo: Codice [più eventuale filetto dove possibile]  
Example of purchasing order: Code [eventual possible thread where]

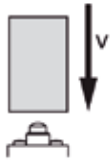
Codice Code	TC 2DIB	Fil. Thread	
Materiale tubo Tube material	AISI 304	1/8" g	8MB
Elemento sensibile Sensitive element	Fe Cost Fe Cost	standard	12MA
Giunto caldo Hot junction	Isolato Insulated		
Temperatura max °C Max temperature °C	-10 +400		
Cabo L 2000 mm Cable L 2000 mm	v.sil/v.sil schermato gl.sil/gl.sil shielded		



PRECABLATI CON CUSTODIA METALLICA  
Unità di contatto: 1NO+1NC scatto rapido  
Cavo EN50265-2-1 nero (lunghezza mt. 2)  
uscita a destra

METAL HOUSING  
Contact blocks: 1NO+1NC Snap action  
Cable EN50265-2-1 black (length mt. 2)  
exit right

Codice: FA4101-2DN a pistoncino corto  
Code: FA4101-2DN short plunger

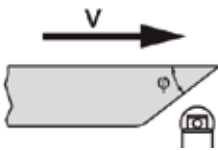


Vmax [m/s]	Vmin [m/s]
0,5	0,01

Velocità massima Max speed

Codice: FA4115-2DN a pistoncino con rotella  
(con possibilità di ruotare la testa con passo di 90°)

Code: FA4115-2DN roller plunger  
(with possibility to rotate a head with step of 90°)

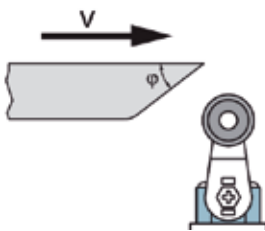


$\phi$	Vmax [m/s]	Vmin [mm/s]
15°	0,2	0,04
30°	0,1	0,02
45°	0,06	0,01

Velocità massima Max speed

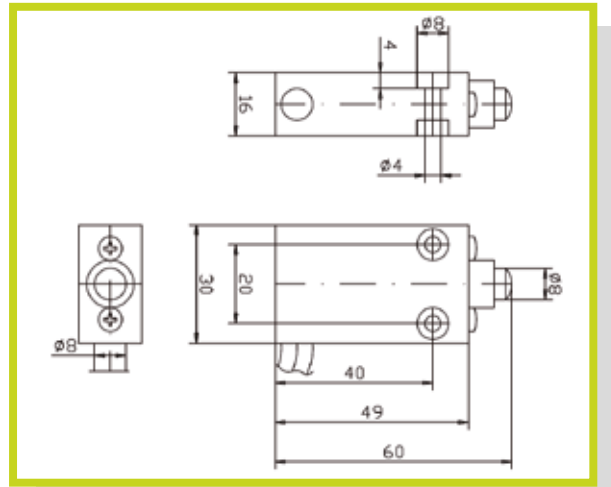
Codice: FA4130-2DN a leva girevole con rotella  
(con possibilità di regolare la leva di 10° su tutto l'arco di 360°)

Code: FA4130-2DN rotating lever with roller  
(with possibility to regulate the lever of 10° to 10° in arc of 360°)

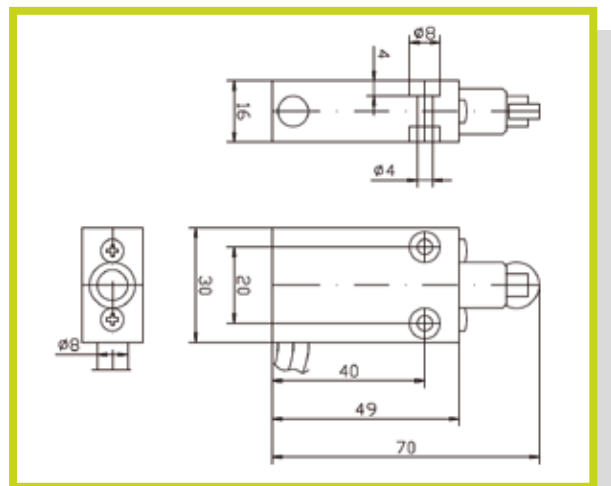


$\phi$	Vmax [m/s]	Vmin [mm/s]
15°	2,5	0,07
30°	1,5	
45°	1	
60°	0,75	

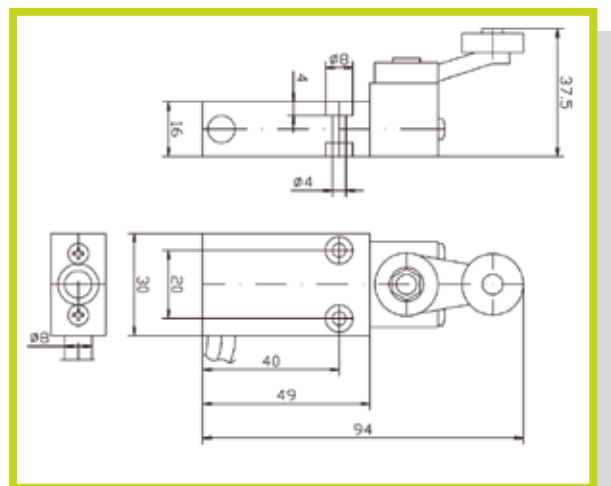
Velocità massima Max speed



Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



Esempio di ordinativo: Codice  
Example of purchasing order: Code



# R83123

- Interruttori serie 83123  
- Switches series 83123



MODELLO PIATTO STAGNO  
Cavo lunghezza mt. 0,50  
(adatto al comando manuale di tipo tattile)

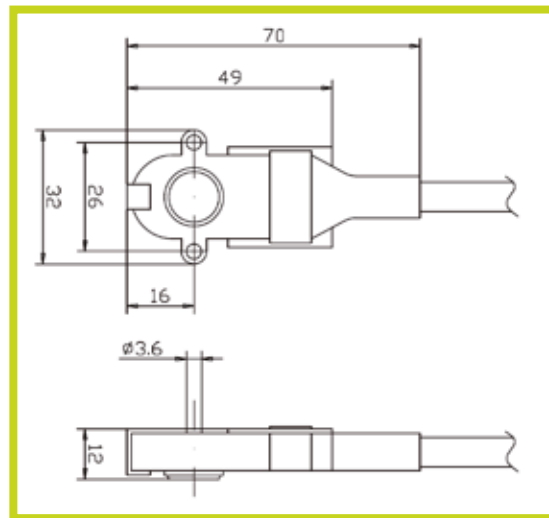
FLAT MODEL PEAL  
Cable length mt. 0,50  
(adapted to the manual control of tactile type)



Codice: 83123018  
Code: 83123018

## Materiale - Material

Custodia: Nitrile  
Casing: Nitrile  
Contatti: argento  
Contacts: silver  
Supporto contatto: poliammide  
Contact holder: polyamide  
Supporto fissaggio: acciaio zincato passivato  
Mounting plate: passivated mild steel (zinc)



Esempio di ordinativo: Codice  
Example of purchasing order: Code

## Funzione Function

I (invertitore) [changeover]

## Attacchi Connections

cavo cable A05 VVF

## Caratteristiche elettriche Electrical characteristics

Portata nominale Rating nominal / 250 V AC (A).....	5
Portata termica Rating thermal / 250 V AC (A).....	12

## Caratteristiche meccaniche Mechanical characteristics

Forza di comando massima Maximum operating force (N).....	7,5
Forza di rilascio minima Min. Release force (N).....	1,5
Forza di corsa totale massima Maximum total travel force (N).....	8
Forza massima ammessa a fine corsa Max. permitted overtravel force (N).....	30
Posizione di lavoro Tripping point (mm).....	11,4 <sup>±0.4</sup>
Corsa differenziale massima Maximum differential travel (mm).....	0,2
Corsa residua di andata minima Min. overtravel (mm).....	0,25
Temperatura d'ambiente d'impiego Ambient operating temperature (°C).....	0→+85
Durata di vita meccanica (cicli) Mechanical life (operations).....	2 x 10 <sup>6</sup>
Distanza tra i contatti Contact gap (mm).....	0,5
Peso Weight (g).....	45

## Attacchi Connections

Collegamento Connection

Cavo 3x0,75 mm<sup>2</sup> con  
guaina Ø ext. 7,6 mm maxi  
lunghezza standard 0,50 m  
(lunghezza cavo superiore  
a richiesta)

Cable 3 x 0.75 mm<sup>2</sup> in  
sheath Ø ext. 7.6 mm max  
Standard length 0.50 m  
(Superior cable length is  
available upon request)

## Commenti Comments

Comune Common (1): Filo nero Black  
Normalmente chiuso Normally closed (2): Filo marrone Brown  
Normalmente aperto Normally open (4): Filo grigio Grey

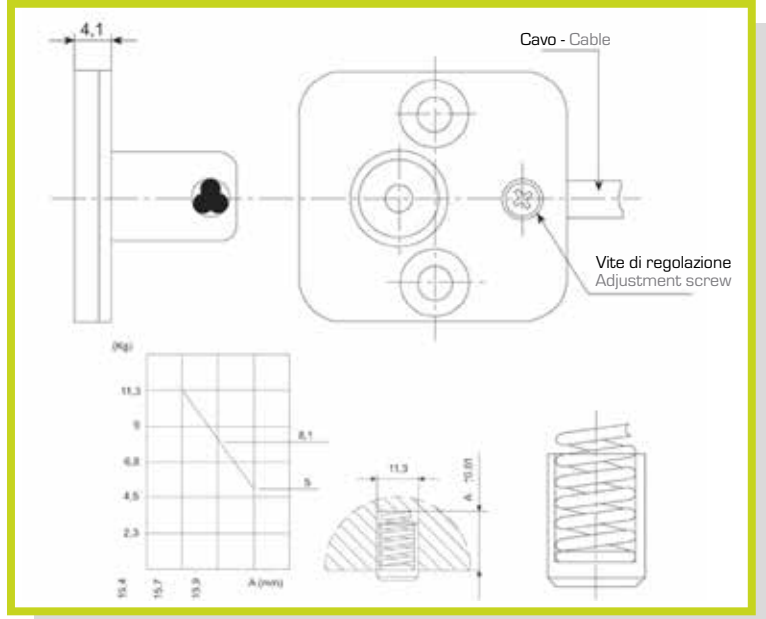
# SL-222

- Interruttore serie SL-222  
- Switch series SL-222



L'interruttore serie SL-222 è un fermo scorrevole e finecorsa in un pacchetto unico. Il pistone e il fermo meccanico tengono una guida in posizione chiusa, mentre l'interruttore di SPDT verifica la posizione di scorrimento per circuito chiuso dello stampo.

The switch series SL-222 is a slide retainer and limit switch in a single unique package. The plunger and detent mechanically hold a slide in the retracted position while the SPDT switch verifies the slide position to the mould close circuit.



Codice Code	Valutazione corrente Rated currents	
	°F max	°C max
SL-222	175°	79.4°

L'interruttore serie SL-222 fermo slitta e fine corsa è progettato per l'uso in circuiti di controllo protezione di stampi con potenza molto bassa. Non è destinato a passare carichi pesanti in applicazioni di potenza.

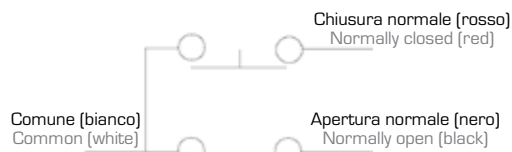
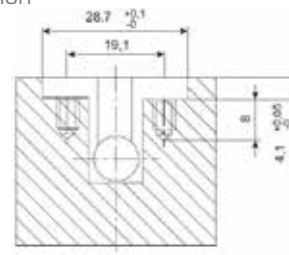
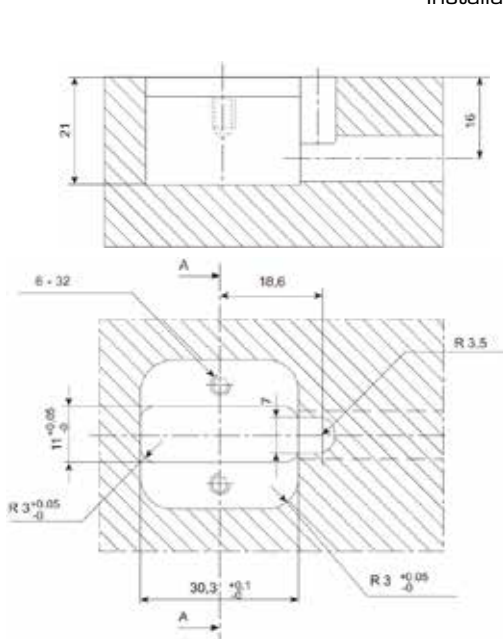
The switch series SL-222 Slide Retainer and Limit Switch is designed for use in very low power mould protection control circuits. It is not intended to switch heavy loads in power applications.

Esempio di ordinativo: Codice  
Example of purchasing order: Code

- Più di 10 milioni cicli di vita, fornisce un servizio affidabile a lungo
- 175 ° F (79.4 ° C), valutazione di temperatura standard permette il montaggio in più applicazioni di stampo
- 250°F (121.1°C) unità di temperatura alta è disponibile per le applicazioni a temperatura elevata
- 17-27 lb forza di tenuta regolabile
- Micro protetto da eventuali danni, da montare all'interno di una tasca fresata
- 6lb cavi, stagnati
- 250VAC/28VDC (livello del mare): 5 Ampere resistivo, 4 Ampere induttivo
- SPDT interruzione
- Corpo in nylon rinforzato con fibra di vetro
- 6 lb (1.8m) 22 cavi, calibrati
- Piatto di chiusura in acciaio temperato e pistone d'assemblaggio
- Over 10 million cycle life provides long dependable service
- 175°F (79.4°C) standard temperature rating allows installation into most mould in applications
- 250°F (121.1°C) high temperature unit is available for higher temperature applications
- 17 to 27 pounds holding force is adjustable
- Switch is shielded from damage by mounting inside a milled pocket
- Stripped and tinned 6ft. wire leads
- 250VAC/28VDC (sea level): 5 Amps resistive, 4 Amps inductive
- SPDT switching
- Fiberglass-reinforced nylon body
- 6 ft (1.8m) 22 gage stranded wire leads
- Hardened steel locking plate and plunger assembly

Valutazione corrente VS. Temperatura acciaio Rated currents VS. Steel temperature		
AMPS	°F	°C
5.0	85	29.4
4.0	120	49.0
3.0	155	68.3
2.0	175	79.4

### Installazione - Installation



# T-222

- Interruttore serie T-222  
- Switch series T-222

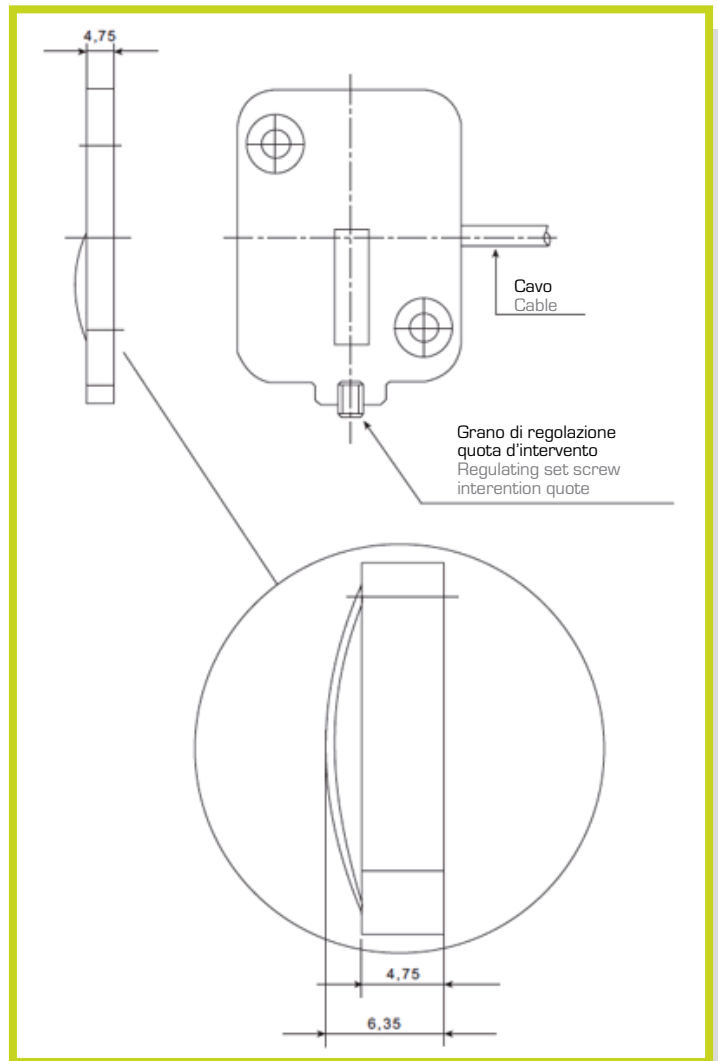


Questo microswitch di prossimità e stato progettato per verificare il ritorno della piastra di estrazione prima della chiusura stampo. Le dimensioni contenute fanno sì che possa essere alloggiato all'interno del castello di estrazione; in altri casi può essere usato come limit-switch dei carrelli o dove lo spazio è limitato. Opera fino ad una temperatura standard di 79°C. Negli stampi di grandi dimensioni si consiglia l'installazione di due microswitch di prossimità agli angoli opposti.

Specially designed to verify ejector plate return before permitting the mold to close in injection molding machines.

Thin enough to fit inside the ejector plate, it can also be used for core slides, or any place space is limited. To be fitted behind the ejector plate in the space provided by stop button.

79°C standard temperature rating enables use for most molding applications.

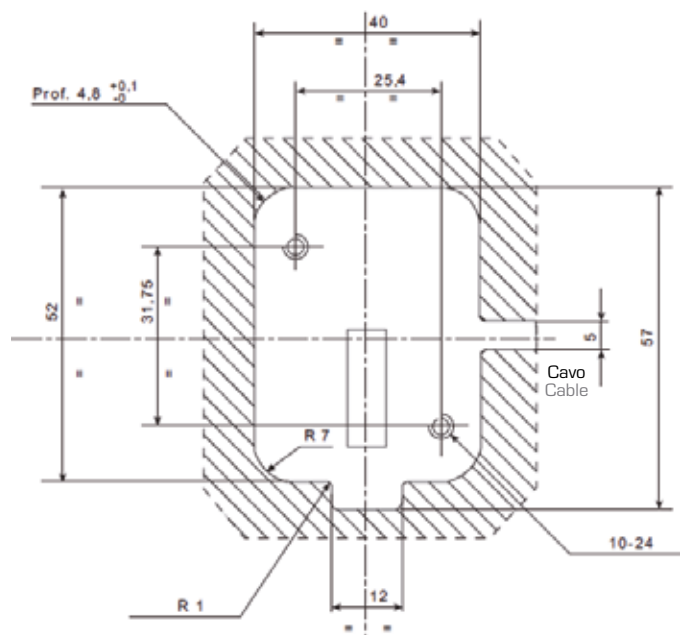


Esempio di ordinativo: Codice  
Example of purchasing order: Code

## Valutazione corrente VS. Temperatura acciaio Rated currents VS. Steel temperature

AMPS	°C
5.0	29.4
4.0	49.0
3.0	68.3
2.0	79.4

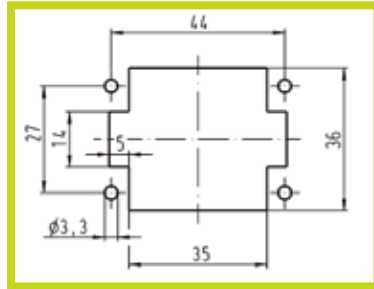
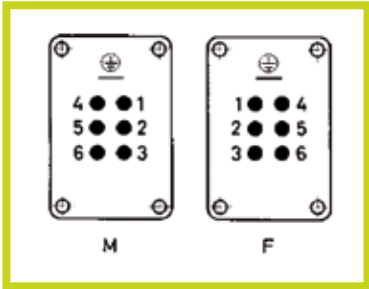
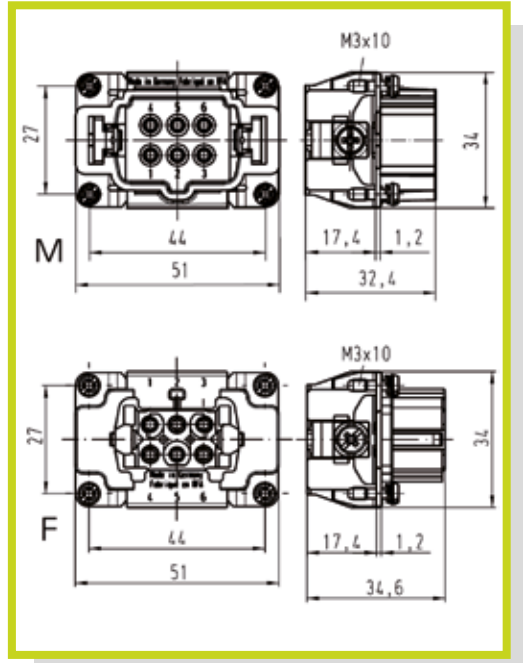
## Installazione - Installation



- **Connettore a 6 poli - 500V Collegamento a vite con linguetta salva-cavo**  
 - Connector with 6 contacts - 500V Screw termination with wire protection



CODICE INSERTO MASCHIO (M): 09 33 006 2601  
 CODE MALE INSERT (M): 09 33 006 2601  
 CODICE INSERTO FEMMINA (F): 09 33 006 2701  
 CODE FEMALE INSERT (F): 09 33 006 2701



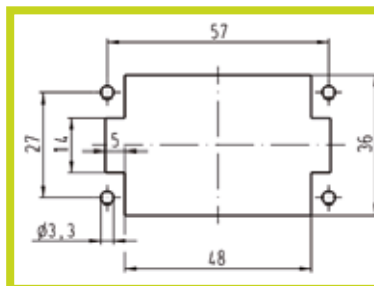
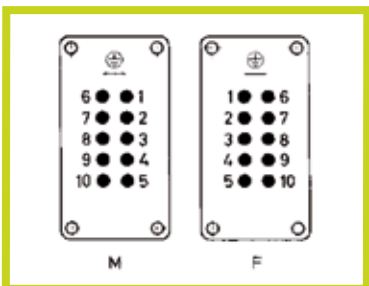
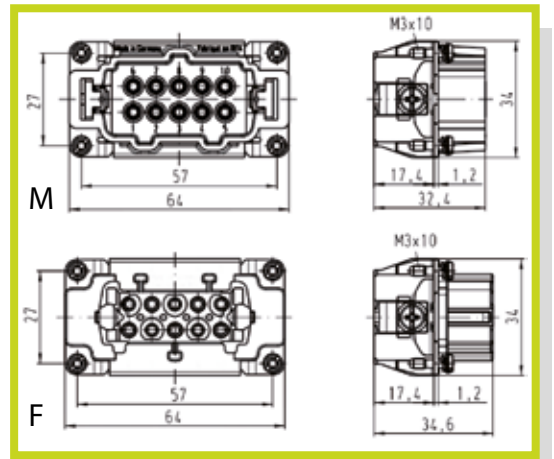
Disposizione dei contatti  
 (vista lato cavi)  
 Contact arrangement  
 (view from termination side)

Dima di foratura per inserti senza custodia  
 Panel cut out

- **Connettore a 10 poli - 500V Collegamento a vite con linguetta salva-cavo**  
 - Connector with 10 contacts - 500V Screw termination with wire protection



CODICE INSERTO MASCHIO (M): 09 33 010 2601  
 CODE MALE INSERT (M): 09 33 010 2601  
 CODICE INSERTO FEMMINA (F): 09 33 010 2701  
 CODE FEMALE INSERT (F): 09 33 010 2701



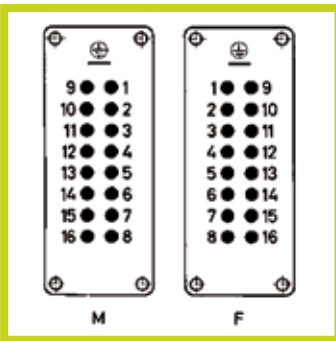
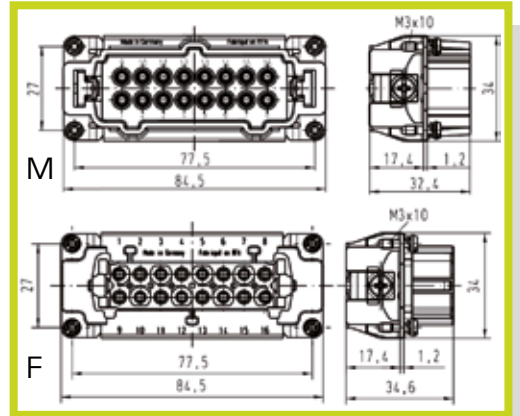
Disposizione dei contatti  
 (vista lato cavi)  
 Contact arrangement  
 (view from termination side)

Dima di foratura per inserti senza custodia  
 Panel cut out

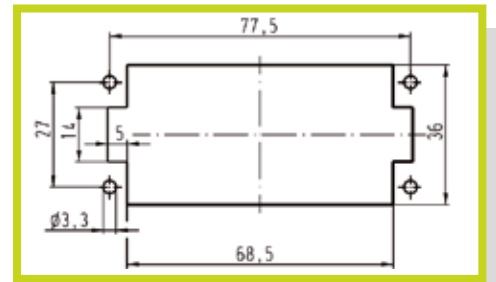
- **Connettore a 16 poli - 500V Collegamento a vite con linguetta salva-cavo**  
 - Connector with 16 contacts - 500V Screw termination with wire protection



CODICE INSERTO MASCHIO (M): 09 33 016 2601  
 CODE MALE INSERT (M): 09 33 016 2601  
 CODICE INSERTO FEMMINA (F): 09 33 016 2701  
 CODE FEMALE INSERT (F): 09 33 016 2701



Disposizione dei contatti (vista lato cavi)  
 Contact arrangement (view from termination side)

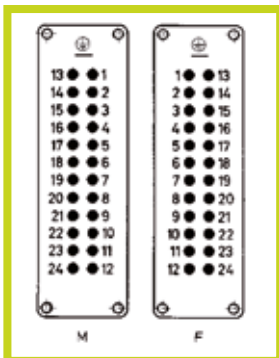
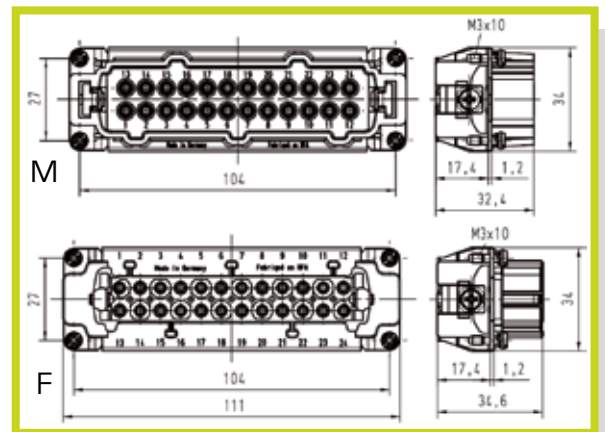


Dima di foratura per inserti senza custodia  
 Panel cut out

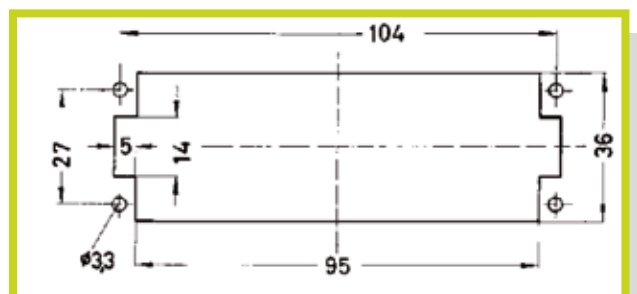
- **Connettore a 24 poli - 500V Collegamento a vite con linguetta salva-cavo**  
 - Connector with 24 contacts - 500V Screw termination with wire protection



CODICE INSERTO MASCHIO (M): 09 33 024 2601  
 CODE MALE INSERT (M): 09 33 024 2601  
 CODICE INSERTO FEMMINA (F): 09 33 024 2701  
 CODE FEMALE INSERT (F): 09 33 024 2701



Disposizione dei contatti (vista lato cavi)  
 Contact arrangement (view from termination side)



Dima di foratura per inserti senza custodia



- **Connettore a 32 poli - 500V Collegamento a vite con linguetta salva-cavo**

- Connector with 32 contacts - 500V Screw termination with wire protection



CODICE 1-16 INSERTO MASCHIO (M): 09 33 016 2601

CODE 1-16 MALE INSERT (M): 09 33 016 2601

CODICE 1-16 INSERTO FEMMINA (F): 09 33 016 2701

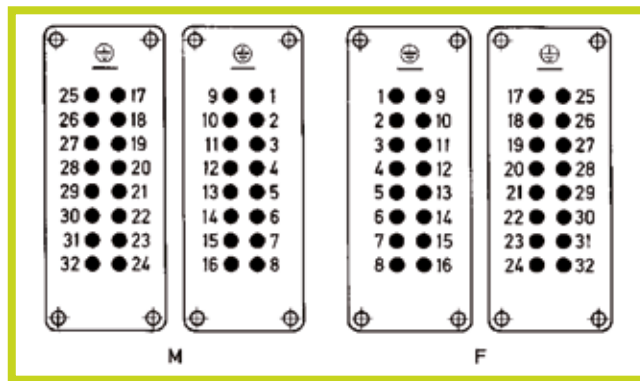
CODE 1-16 FEMALE INSERT (F): 09 33 016 2701

CODICE 17-32 INSERTO MASCHIO (M): 09 33 016 2611

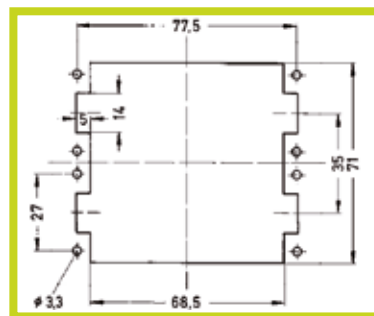
CODE 17-32 MALE INSERT (M): 09 33 016 2611

CODICE 17-32 INSERTO FEMMINA (F): 09 33 016 2711

CODE 17-32 FEMALE INSERT (F): 09 33 016 2711



Disposizione dei contatti (vista lato cavi)  
Contact arrangement (view from termination side)



Dima di foratura per inserti senza custodia  
Panel cut out

- **Connettore a 48 poli - Collegamento a vite con linguetta salva-cavo**

- Connector with 48 contacts - Screw termination with wire protection



CODICE 1-24 INSERTO MASCHIO (M): 09 33 024 2601

CODE 1-24 MALE INSERT (M): 09 33 024 2601

CODICE 1-24 INSERTO FEMMINA (F): 09 33 024 2701

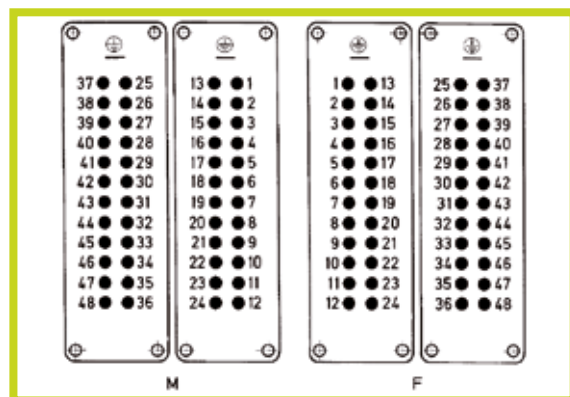
CODE 1-24 FEMALE INSERT (F): 09 33 024 2701

CODICE 25-48 INSERTO MASCHIO (M): 09 33 024 2611

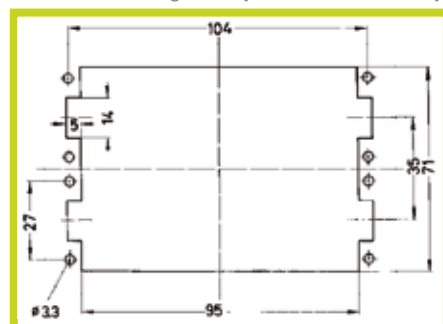
CODE 25-48 MALE INSERT (M): 09 33 024 2611

CODICE 25-48 INSERTO FEMMINA (F): 09 33 024 2711

CODE 25-48 FEMALE INSERT (F): 09 33 024 2711



Disposizione dei contatti (vista lato cavi)  
Contact arrangement (with termination side)

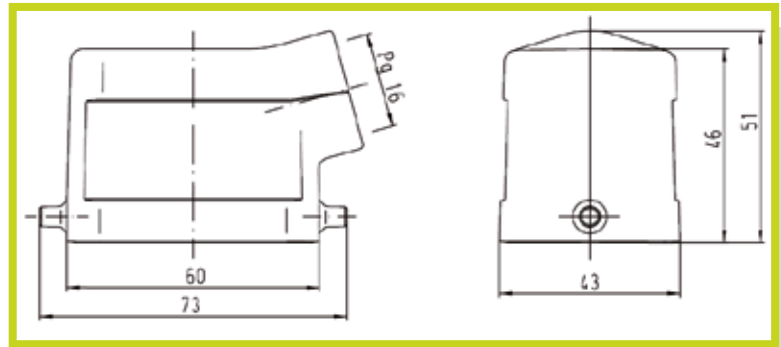


Dima di foratura per inserti senza custodia  
Panel cut out

- Custodie con uscita cavo filettata Pg con 1 leva sulla parte fissa - 6 poli
- Hood/Housing with/without Pg entry, 1 lever locking system - 6 contacts

### Custodie volanti Hoods

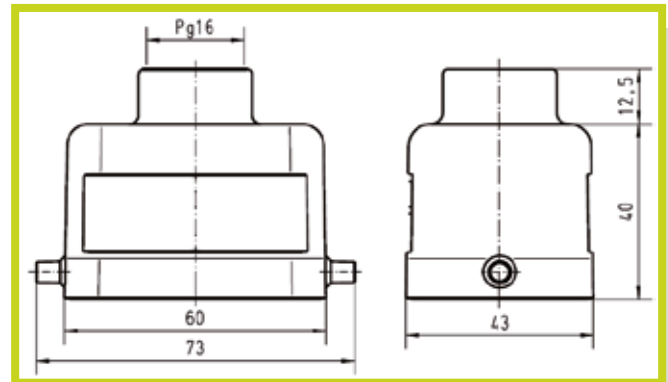
#### Uscita laterale Side entry



#### Codice/Code

0930 006 1541

#### Uscita dritta: senza uscite per forature personalizzate Top entry: without entries for personalized perforations



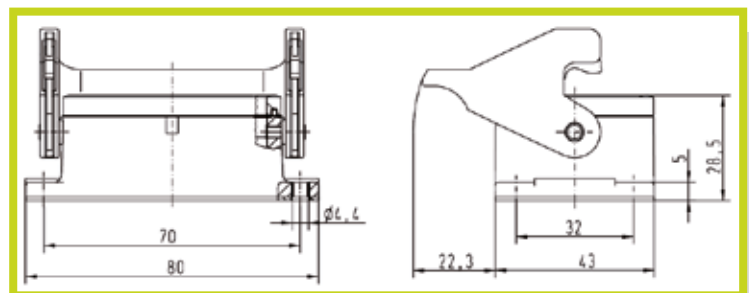
#### Codice/Code

0930 006 1441

#### Passante Bulkhead mounting



### Custodie fisse Housing



#### Codice/Code

0930 006 0301

Dime di foratura 48 x 35 mm  
Panel cut out 48 x 35 mm

- Custodie con uscita cavo filettata Pg con 1 leva sulla parte fissa - 6 poli
- Hood/Housing with Pg entry, 1 lever locking system - 6 contacts

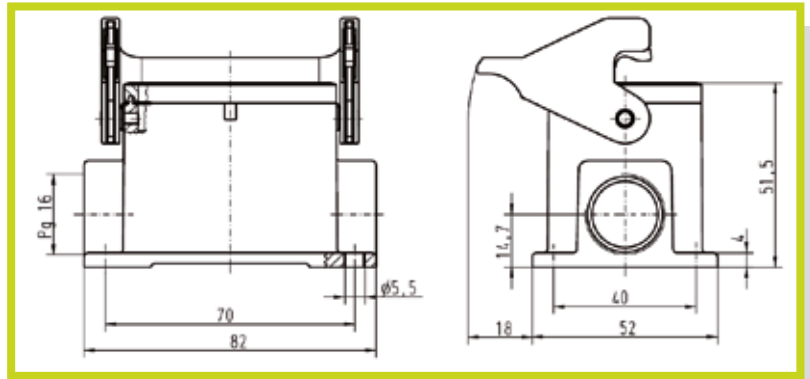


**Da pannello**  
Surface mounting



**Codice/Code**  
0930 006 1251

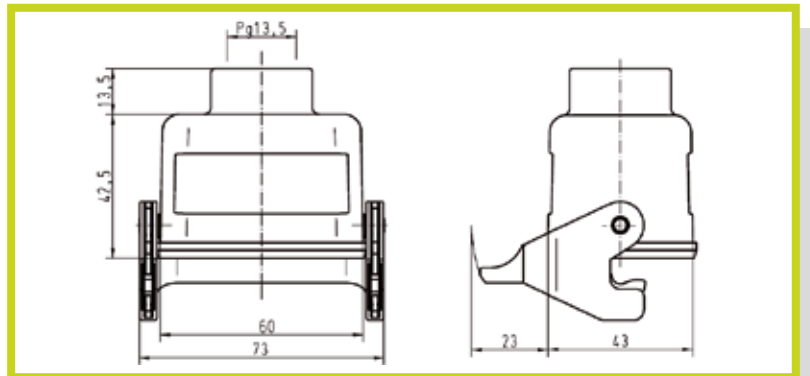
**Custodie fisse**  
Housing



**Custodie di prolunga**  
Hoods, cable to cable



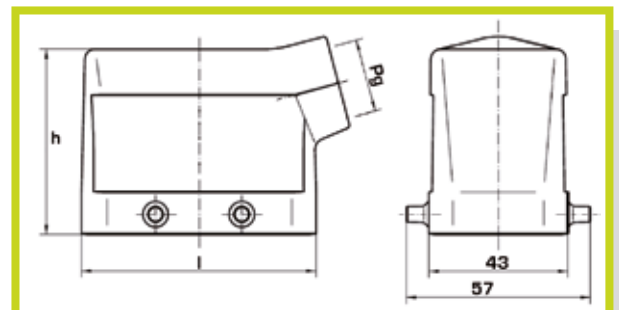
**Codice/Code**  
0930 006 1750



- Custodie con uscita cavo filettata Pg Volanti per basi con 2 leve
- Hoods with Pg entry, 2 lever locking system



**Uscita laterale**  
Side entry



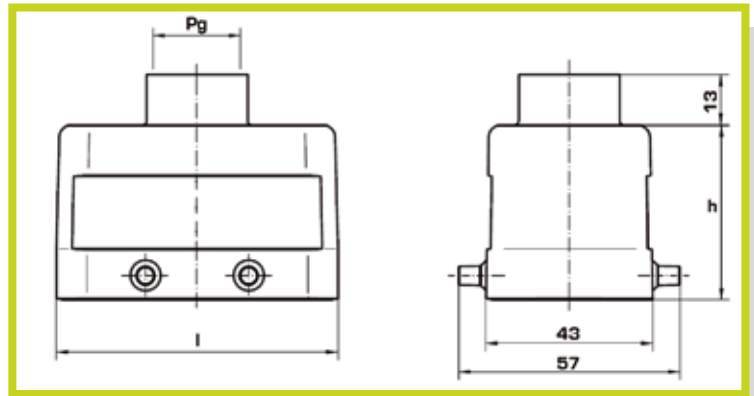
Taglia Size	Codice Code	Pg	a	h
10	0930 010 1521	16	73.0	57.0
16	0930 016 1520	21	93.5	62.5
24	0930 024 1520	21	120	62.5



- Custodie con uscita cavo filettata Pg Volanti per basi con 2 leve
- Hoods with Pg entry, 2 lever locking system



**Uscita diritta**  
Top entry

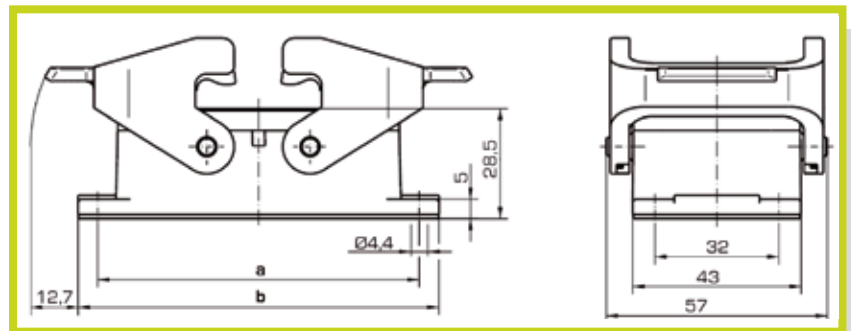


Taglia Size	Codice Code	Pg	l	h
10	0930 010 1421	16	73.0	45
16	0930 016 1420	21	93.5	45
24	0930 024 1421	29	120.5	55

- Custodie fisse con 2 leve
- Housing 2 lever locking system



**Passante**  
Bulkhead mounting



Taglia Size	Codice Code	a	b	Dima di foratura Panel cut out
10	0930 010 0301	83	93	60 x 35
16	0930 016 0301	103	113	82 x 35
24	0930 024 0301	130	140	108 x 35

**- Custodie con uscita cavo filettata Pg Fisse con 2 leve**

- Housing with Pg entry; 2 lever locking system

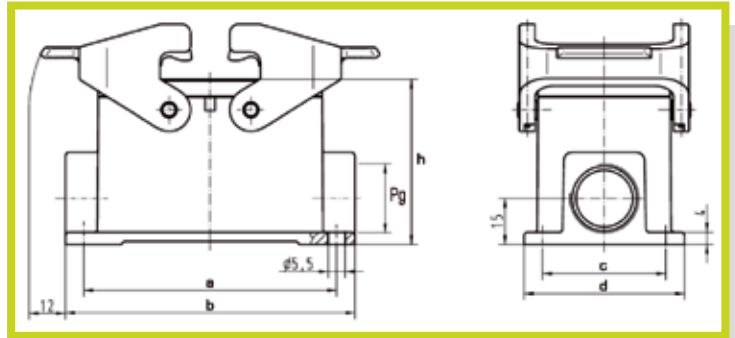


**Da pannello**

Surface mounting

**Uscita cieca (tipo a 1 uscita)**

1 entry, closed flange



Taglia Size	Codice Code	Pg	a	b	c	d	h
10	0930 010 1231	1x16	82	94	40	52	53,8
16	0930 016 1230	1x21	105	117	45	57	55,8
24	0930 024 1230	1x21	132	144	45	57	56

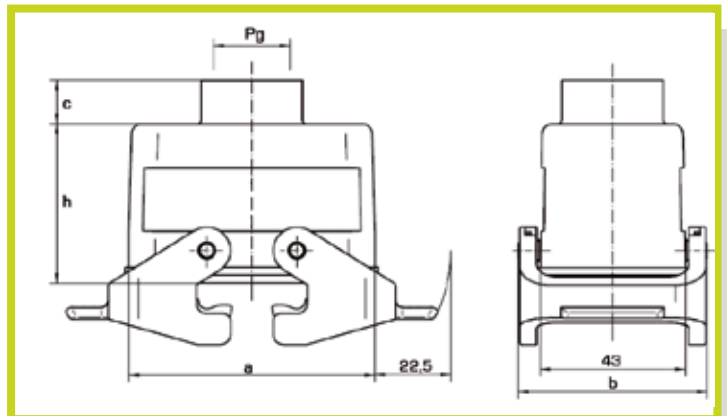
**- Custodie con uscita cavo filettata Pg Fisse con 2 leve**

- Hood with Pg entry, 2 lever locking system



**Custodie di prolunga**

Hoods, cable to cable

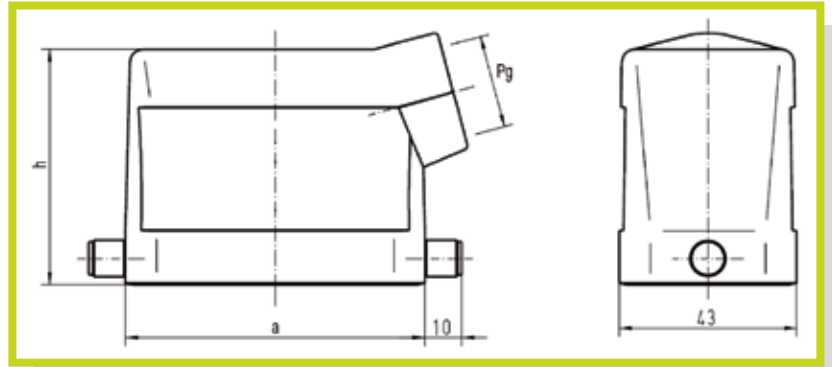


Taglia Size	Codice Code	Pg	c	a	h	b
10	0930 010 1731	16	13,5	72,6	47,4	56,6
16	0930 016 1730	21	16	93,5	47,4	56
24	0930 024 1731	29	16	120,0	57,4	55

- Custodie con uscita cavo filettata Pg Volanti per basi con 1 leva
- Housing with Pg entry, 1 lever locking system



**Uscita laterale**  
Side entry

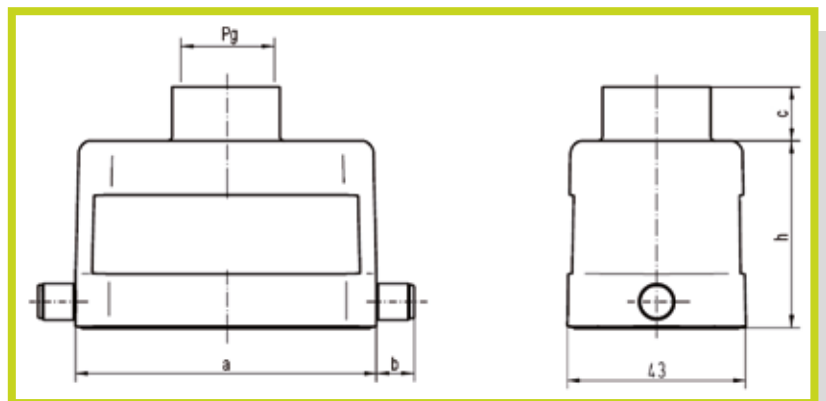


Taglia Size	Codice Code	Pg	a	h
10	0930 010 1541	16	73.0	57
16	0930 016 1540	21	93.5	62.5
24	0930 024 1540	21	120	62.5

- Custodie con uscita cavo filettata Pg Volanti per basi con 1 leva
- Housing with Pg entry, 1 lever locking system



**Uscita diritta**  
Top entry

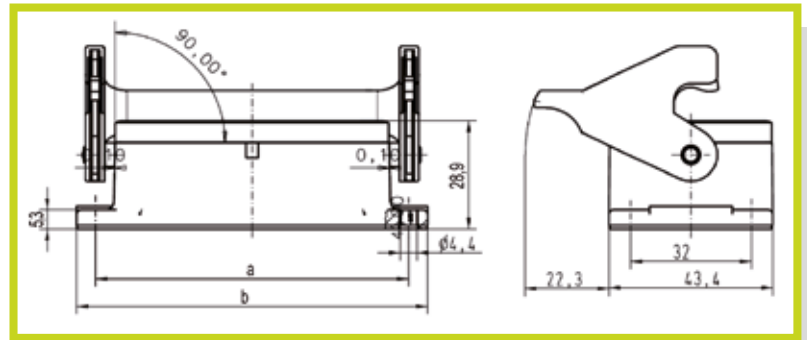


Taglia Size	Codice Code	Pg	a	b	c	h
10	0930 010 1441	16	72.6	10	13.5	45
16	0930 016 1440	21	93.5	9	16	45
24	0930 024 1441	29	120	9	16	55

- Custodie Fisse con 1 leva
- Housing, 1 lever locking system



**Da pannello**  
Bulk head mounting

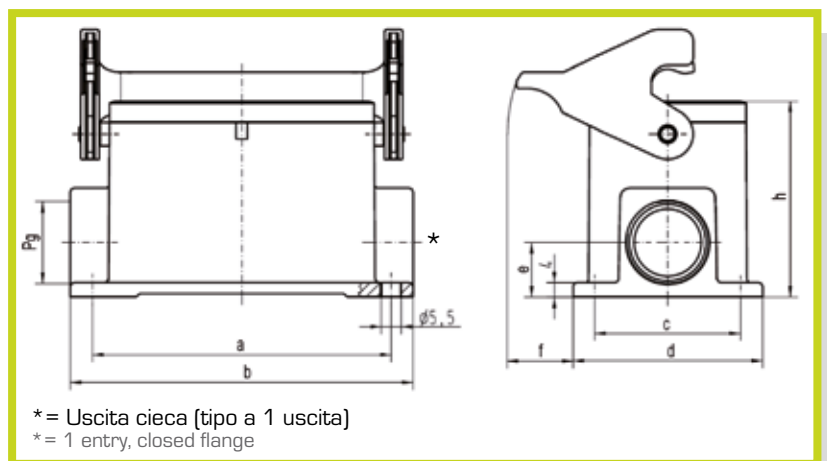


Taglia Size	Codice Code	a	b	Dima di foratura Panel cut out
10	0930 010 0305	83	93	60x35
16	0930 016 0307	103	113	82x35
24	0930 024 0307	130	140	110x35

- Custodie con uscita cavo filettata Pg Fisse con 1 leva
- Housing with Pg entry, 1 lever locking system



**Da pannello**  
Bulk head mounting



Taglia Size	Codice Code	Pg	a	b	c	d	e	f	h
10	0930 010 1251	1x16	82	94	40	52	17	18	53,8
16	0930 016 1250	1x21	105	117	45	57	19	15,5	55,8
24	0930 024 1250	1x21	132	144	45	57	19	15,5	55,8

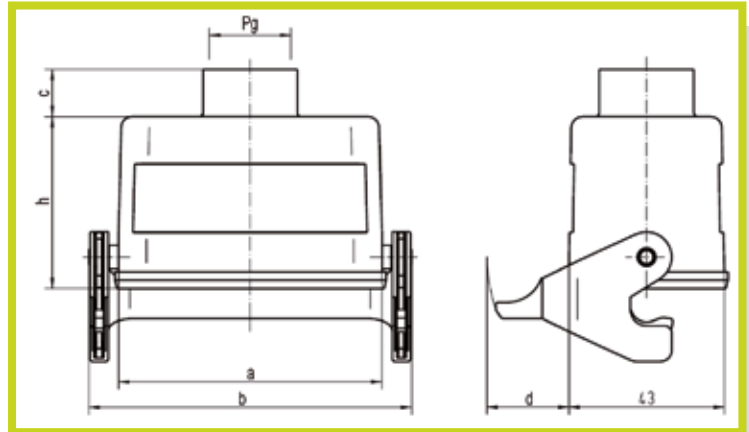
**- Custodie con uscita cavo filettata Pg Volanti con 1 leva**

- Hood with Pg entry, 1 lever locking system



**Custodie di prolunga**

Head, cable to cable



Taglia Size	Codice Versione normale Code low construction version	Codice Versione alta Code High construction version	Pg	a	b	h	c	d
10	0930 010 1751		16	72,6	89	47,4	13,5	22,5
10		0930 010 0752	21	72,6	89	74,4	15	23
10		0930 010 0753	29	72,6	89	74,4	16,5	23
16	0930 016 1750		21	93,5	109,9	47,4	16	22,5
16		0930 016 0751	29	93,5	110	78,4	16	23
24	0930 024 1751		29	120	136,4	57,4	16	22,5
24		0930 024 0751	29	120	137	78,4	16	23

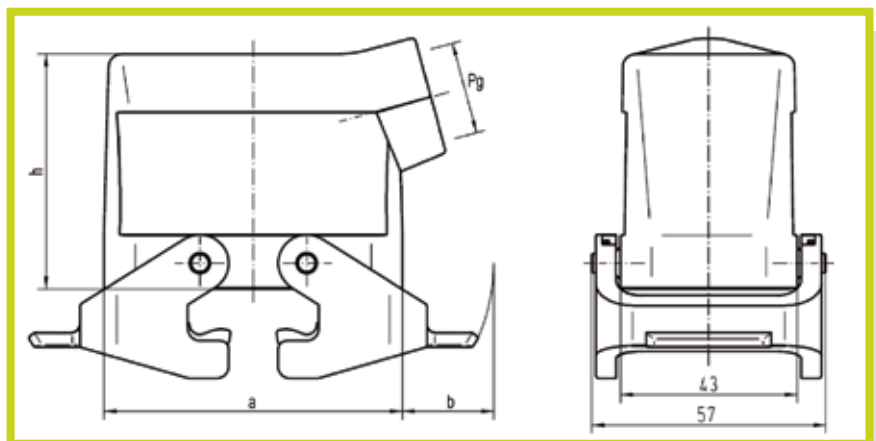
**- Custodie con uscita cavo filettata Pg Volanti con 2 leve**

- Hood with Pg entry, 2 lever locking system



**Uscita laterale**

Side entry



Taglia Size	Codice Code	Pg	b	a	h
10	0930 010 1531	16	23	73	57
16	0930 016 1530	21	22,5	93,5	62,5
24	0930 024 1530	21	22	120	62,5

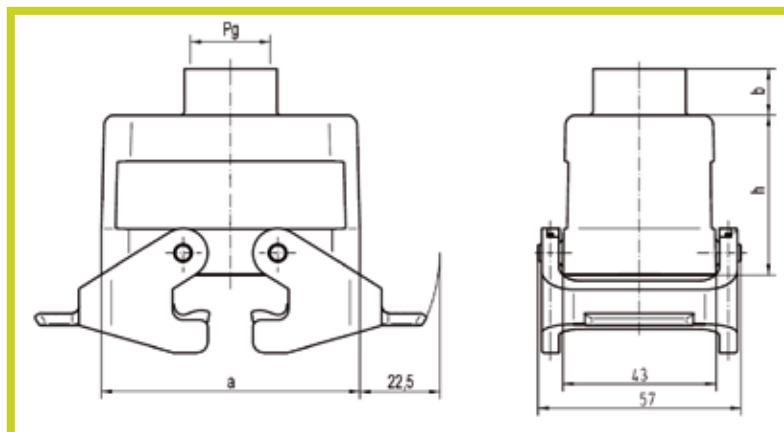
- Custodie con uscita cavo filettata Pg Volanti con 2 leve

- Hood with Pg entry, 2 lever locking system



**Uscita diritta**

Top entry



Taglia Size	Codice Code	Pg	b	a	h
10	0930 010 1431	16	13,5	72,6	45
16	0930 016 1430	21	16	93,5	45
24	0930 024 1431	29	16	120	55

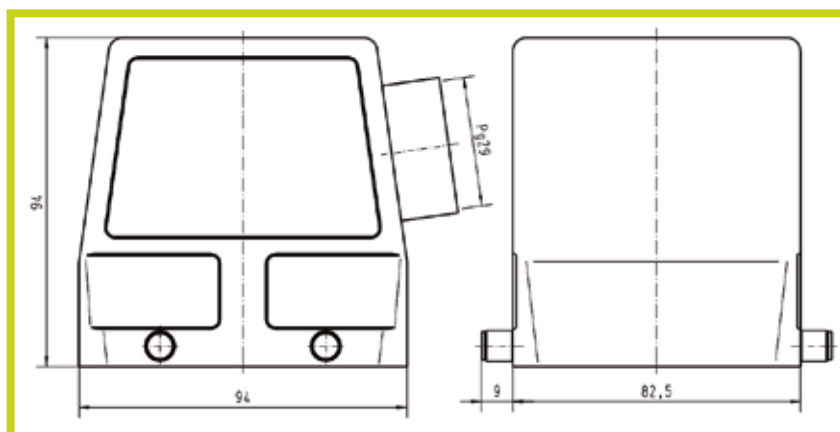
- Custodie con uscita cavo filettata Pg Volanti con 2 leve sulla parte fissa (per 2 inserti) - 32 poli

- Housing with Pg entry, 2 lever locking system on the housing - 32 contacts



**Uscita laterale**

Side entry



Codice Code

0930 032 0521

- Custodie con uscita cavo filettata Pg Volanti con 2 leve sulla parte fissa (per 2 inserti) - 32 poli

- Housing with Pg entry, 2 lever locking system - 32 contacts

**Ranco**

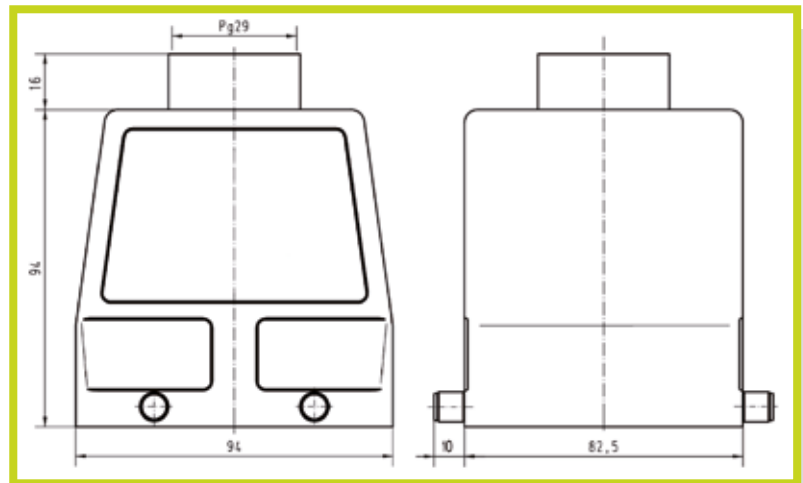
**Uscita diritta**

Top entry



Codice  
Code

0930 032 0421



- Custodie Volanti con 2 leve sulla parte fissa (per 2 inserti) - 32 poli

- Housing, 2 lever locking system - 32 contacts

**Ranco**

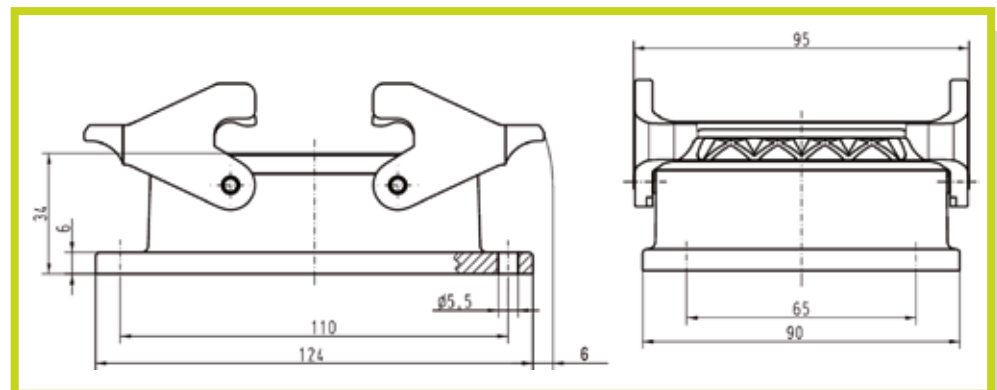
**Passante**

Bluk head mounting



Codice  
Code

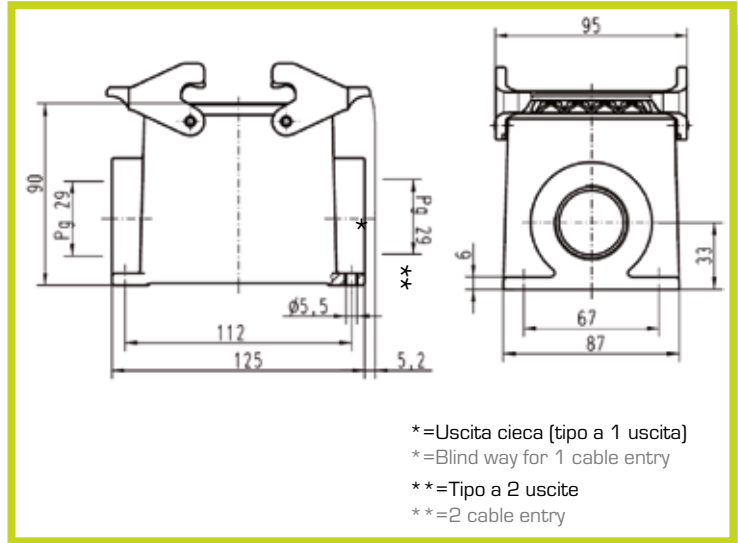
0930 032 0301



- Custodie con uscita cavo filettata Pg con 2 leve sulla parte fissa  
(per 2 inserti) - 32 poli

- Hoods/Housing with Pg entry, 2 lever locking system - 32 contacts

### Custodie fisse Housing



\*=Uscita cieca (tipo a 1 uscita)  
\*=Blind way for 1 cable entry  
\*\*=Tipo a 2 uscite  
\*\*=2 cable entry

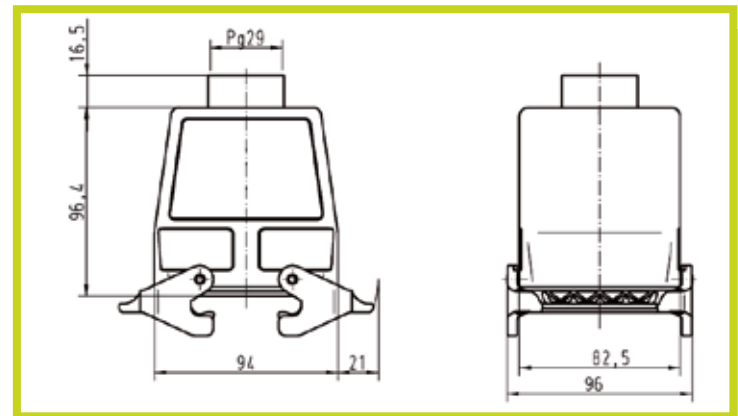
Codice Code	Pg
0930 032 0231	1x29*
0930 032 0271	2x29**

\*=Uscita laterale / Side entry  
\*\*=Passante / Bulk head mounting

### Custodie di prolunga Cable to cable

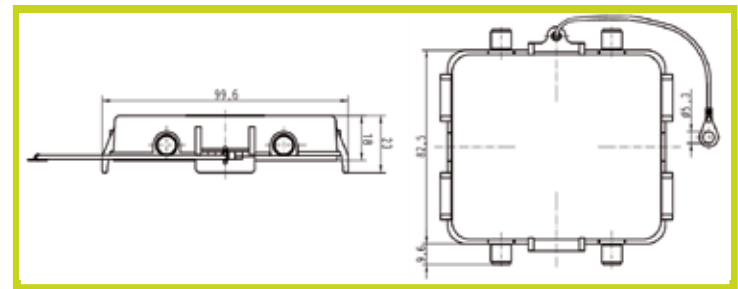


### Custodie volanti Hoods



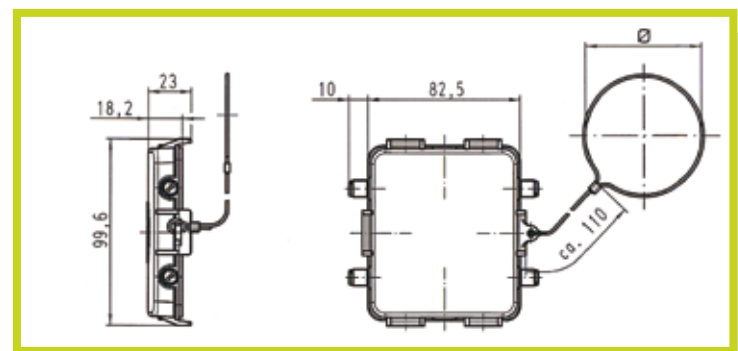
Codice Code	Pg
0930 032 0731	29

### Coperchi per custodie fisse Dust protection covers for housing



Codice Code	Pg
0930 032 5425	

### Coperchi per custodie di prolunga Dust protection for hoods cable to cable



Codice Code	Pg	Ø
0930 032 5426	42	64
0930 032 5427	36	55.5

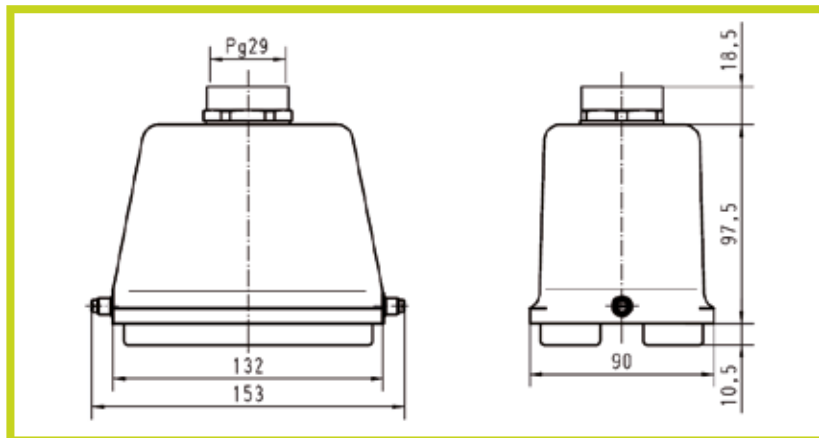


- Custodie con 1 leva sulla parte fissa - 48 poli  
 - Hoods/Housing, 1 lever locking system - 48 connectors

**Uscita diritta**  
 Top entry



**Custodie volanti**  
 Hoods

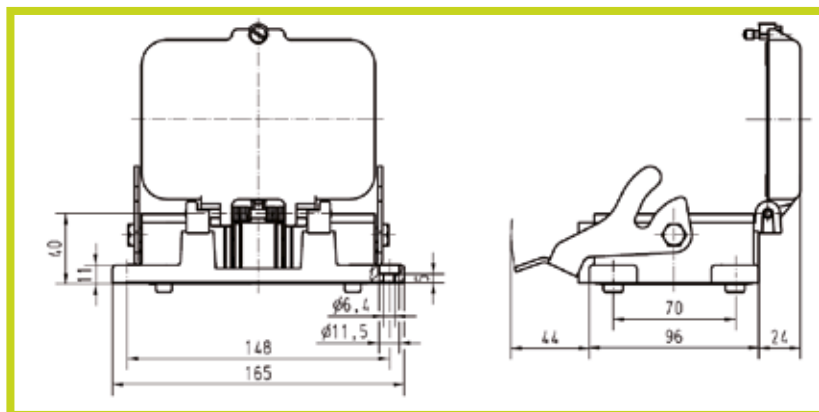


Codice Code	Pg
0930 048 0440	29

**Passante**  
 Bulk head/surface mounting

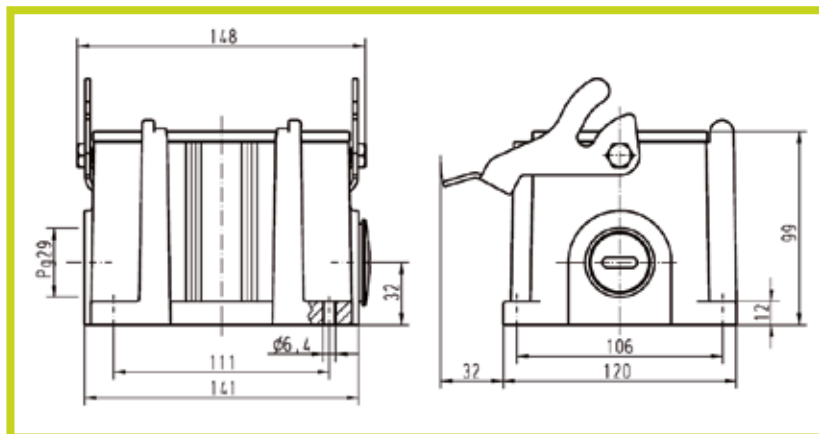


**Custodie fisse**  
 Housing



Codice Code
0930 048 0301

**Da pannello - 2 uscite**  
 Bulk head/surface mounting - 2 entries



Codice Code	Pg
0930 048 0290	29

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock


























**STAFFE  
CLAMPING PARTS**



**Ranco**



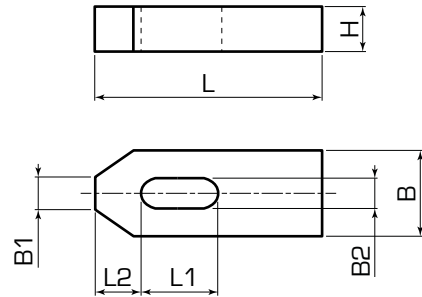
# INDICE INDEX

STAFFE CLAMPS			
R0425		Staffa semplice (DIN 6314) - S210 Standard clamp (DIN 6314) - S210	5
R0426		Staffa semplice ridotta - S211 Shaped standard clamp - S211	6
R0427		Staffa dentata (DIN 6314Z) - S220 Toothed clamp (DIN 6314Z) - S220	7
R0428		Staffa regolabile con vite passo fine (DIN 6314V) - S230 Adjustable clamp with fine Slotch screw (DIN 6314V) - S230	8
R0429		Staffa regolabile con vite passo quadro - S280 Adjustable clamp with square thread screw - S280	9
ACCESSORI ACCESSORIES			
R0430		Vite di ricambio per staffa R0429 - S281 Spare screw for clamps R0429 - S281	10
R0431		Vite testa a martello completa di dado R0438 e rondella R0445 - S310 Hammerhead bolt complete with nut R0438 and washer R0445 - S310	11
R0432		Vite testa a martello singola - S311 Single hammerhead bolt - S311	12
R0433		Vite testa a martello completa di dado R0438 e rondella R0629 - S315 Hammerhead bolt complete with nut R0438 and washer R0629 - S315	13
R0434		Vite testa a martello singola - S316 Single hammerhead bolt - S316	14
R0435		Prigioniere completo di dado R0437 e rondella R0445 - S320 Stud complete with nut R0437 and washer R0445 - S320	15
R0436		Prigioniero singolo - S321 Single stud - S321	17
R0538		Barra filettata brunita Burnished threaded bar	19
R0437		Dado basso tornito - S330 Turned short nut UNI5587 - S330	20
R0438		Dado alto tornito - S340 Turned tall nut DIN6330B - S340	21
R0439		Dado prolungamento - S350 Extension nut - S350	22
R0440		Dado con rondella - S351 Nut with washer - S351	23
R0441		Tassello per cave a T - S360 Nut for T-slot - S360	24
R0442		Tassello per cave a T senza foro - S361 Blank nut for T-slot - S361	25
R0443		Tassello per cave a T doppia lunghezza - S362 Extended nut for T-slot - S362	26
R0444		Tassello per cave romboidali - S363 Rhombic nut for T-slot - S363	27
R0445		Rondella tornita - S370 Turned washer - S370	28
R0628		Rondella tornita - S380 Turned washer - S380	29
R0629		Rondella tornita - S390 Turned washer - S390	30
R0631		Appoggio dentato singolo Single toothed support	31



## R0425

Staffa semplice (DIN 6314) - S210  
Standard clamp (DIN 6314) - S210



### Descrizione:

Materiale: Acciaio da bonifica verniciato

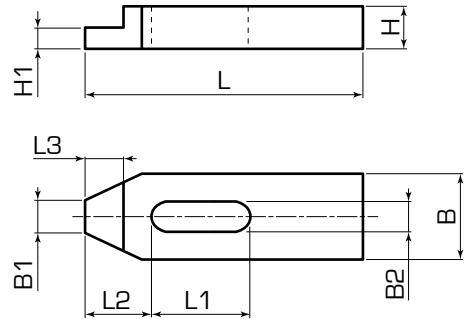
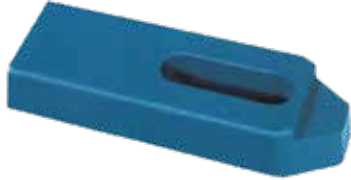
### Description:

Material: Hardened painted steel

Codice Code	B	L	H	B1	B2	L1	L2	Vite Screw
R0425-11-0001	20	50	10	8	7	20	10	M6
R0425-11-0002	25	60	12	10	9	22	13	M8
R0425-11-0003	30	80	15	12	11	30	15	M10
R0425-11-0004	40	100	20	14	14	40	21	M12 - M14
R0425-11-0005	40	125	20	14	14	50	21	M12 - M14
R0425-11-0006	40	160	20	14	14	65	21	M12 - M14
R0425-11-0007	50	125	25	18	18	45	26	M16 - M18
R0425-11-0008	50	160	25	18	18	65	26	M16 - M18
R0425-11-0009	50	200	25	18	18	80	26	M16 - M18
R0425-11-0010	60	160	30	22	22	60	30	M20 - M22
R0425-11-0011	60	200	30	22	22	80	30	M20 - M22
R0425-11-0012	70	200	30	26	26	80	35	M24
R0425-11-0013	70	250	30	26	26	105	35	M24
R0425-11-0014	80	250	40	34	34	100	45	M27 - M30
R0425-11-0015	80	315	40	34	34	130	45	M27 - M30

## R0426

Staffa semplice ridotta - S211  
Shaped standard clamp - S211



### Descrizione:

Materiale: Acciaio da bonifica verniciato  
R. > 700 N/mm<sup>2</sup>

### Description:

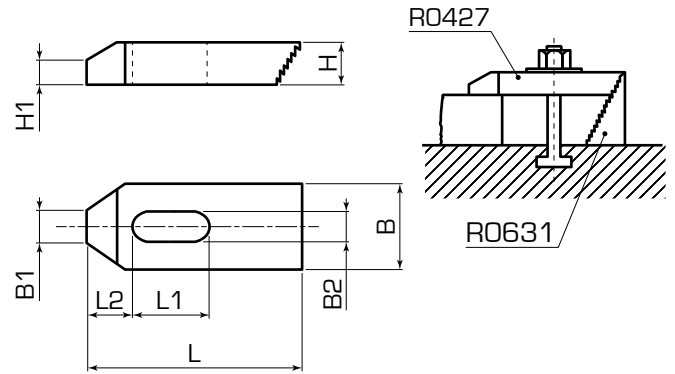
Material: Hardened painted steel  
R. > 700 N/mm<sup>2</sup>

Codice Code	B	L	H	B1	B2	L1	L2	L3	H1	Vite Screw
R0426-11-0001	20	50	10	8	7	20	10	7	6	M6
R0426-11-0002	25	60	12	10	9	22	13	10	7	M8
R0426-11-0003	30	80	15	12	11	30	15	9	9	M10
R0426-11-0004	40	100	20	12	14	40	21	12	12	M12 - M14
R0426-11-0005	40	125	20	14	14	50	21	12	12	M12 - M14
R0426-11-0006	40	160	20	14	14	65	26	12	12	M12 - M14
R0426-11-0007	50	125	25	18	18	45	26	15	15	M16 - M18
R0426-11-0008	50	160	25	18	18	65	26	15	15	M16 - M18
R0426-11-0009	50	200	25	18	18	80	26	15	15	M16 - M18
R0426-11-0010	60	160	30	22	22	60	30	20	20	M20 - M22
R0426-11-0011	60	200	30	22	22	80	30	20	20	M20 - M22
R0426-11-0012	70	200	30	26	26	80	35	25	20	M24
R0426-11-0013	70	250	30	26	26	105	35	25	20	M24
R0426-11-0014	80	250	40	34	34	100	45	25	25	M27 - M30
R0426-11-0015	80	315	40	34	34	130	45	25	25	M27 - M30



## R0427

Staffa dentata (DIN 6314Z) - S220  
Toothed clamp (DIN 6314Z) - S220



### Descrizione:

Materiale: Acciaio da bonifica verniciato

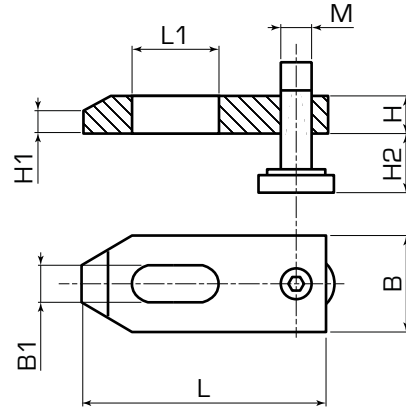
### Description:

Material: Hardened painted steel

Codice Code	B	L	H	B1	B2	L1	L2	H1	Vite Screw
R0427-11-0001	20	50	10	8	7	20	10	6	M6
R0427-11-0002	25	60	12	10	9	22	13	8	M8
R0427-11-0003	30	80	15	12	11	30	15	10	M10
R0427-11-0004	40	100	20	14	14	40	21	12	M12 - M14
R0427-11-0005	50	125	25	18	18	45	26	15	M16 - M18
R0427-11-0006	60	160	30	22	22	60	30	18	M20 - M22
R0427-11-0007	70	200	30	26	26	80	35	18	M24

## R0428

Staffa regolabile con vite passo fine (DIN 6314V) - S230  
Adjustable clamp with fine Slotch screw (DIN 6314V) - S230



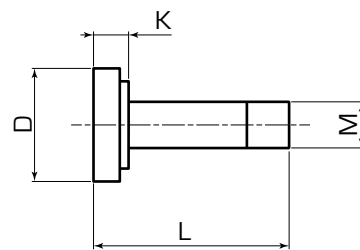
### Descrizione:

Materiale: Acciaio da bonifica verniciato

### Description:

Material: Hardened painted steel

Codice Code	B	L	H	B1	L1	H1	H2	M	Vite Screw
R0428-11-0001	30	80	15	11	30	10	15 - 45	M10	M10
R0428-11-0002	40	100	20	14	40	12	15 - 40	M12	M12 - M14
R0428-11-0003	50	125	25	18	45	15	15 - 45	M16	M16 - M18
R0428-11-0004	60	160	30	22	60	18	15 - 50	M20	M20 - M22



### Vite di ricambio

Materiale: 35 SMn Pb 10 / 8.8

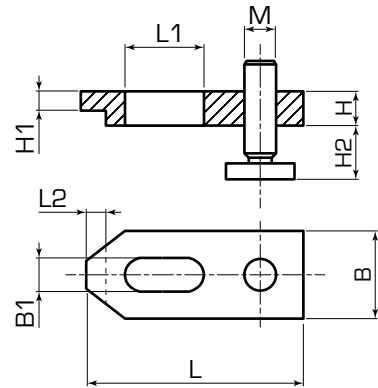
### Spare screw

Material: 35 SMn Pb 10 / 8.8

Codice Code	D	L	K	M
R0428-11-0005	40	60	15	M10
R0428-11-0006	45	60	15	M12
R0428-11-0007	45	70	15	M16
R0428-11-0008	45	80	15	M20

## R0429

Staffa regolabile con vite passo quadro - S280  
Adjustable clamp with square thread screw - S280



### Descrizione:

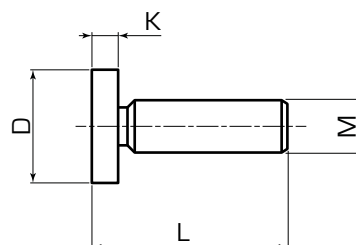
Materiale: Acciaio da bonifica verniciato  
R. > 700 N/mm<sup>2</sup>

### Description:

Material: Hardened painted steel  
R. > 700 N/mm<sup>2</sup>

Codice Code	B	L	H	B1	L1	L2	H1	H2	M	Vite Screw
R0429-11-0001	40	100	20	15	40	12	12	15 - 50	M20 x 4	M12 - M14
R0429-11-0002	40	125	20	15	45	12	12	15 - 50	M20 x 4	M12 - M14
R0429-11-0003	40	160	20	15	60	12	12	15 - 50	M20 x 4	M12 - M14
R0429-11-0004	50	125	25	19	45	15	15	15 - 45	M20 x 4	M16 - M18
R0429-11-0005	50	160	25	19	60	15	15	15 - 75	M30 x 6	M16 - M18
R0429-11-0006	50	200	25	19	80	15	15	15 - 75	M30 x 6	M16 - M18
R0429-11-0007	60	160	30	23	60	20	15	15 - 70	M30 x 6	M20 - M22
R0429-11-0008	60	200	30	23	80	20	15	15 - 70	M30 x 6	M20 - M22
R0429-11-0009	70	200	40	27	80	23	25	15 - 85	M30 x 6	M24
R0429-11-0010	70	250	40	27	100	23	25	15 - 85	M30 x 6	M24
R0429-11-0011	70	300	40	27	100	23	25	15 - 85	M30 x 6	M24

**R0430** Vite di ricambio per staffa R0429 - S281  
Spare screw for clamps R0429 - S281



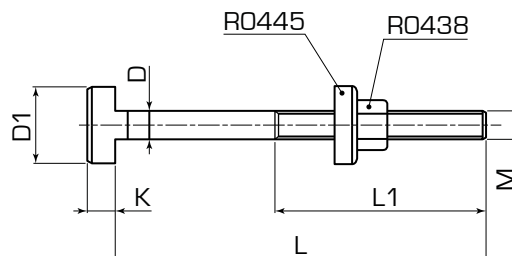
**Descrizione:** **Description:**

Materiale: 35 SMn Pb 10 / 8.8  
Normativa: UNI 4838

Material: 35 SMn Pb 10 / 8.8  
Standard: UNI 4838

Codice Code	D	L	M	K
R0430-11-0001	35	70	M20 x 4	10
R0430-11-0002	45	100	M30 x 6	15
R0430-11-0003	70	125	M30 x 6	15

**R0431** Vite testa a martello completa di dado R0438 e rondella R0445 - S310  
 Hammerhead bolt complete with nut R0438 and washer R0445 - S310



**Descrizione:**

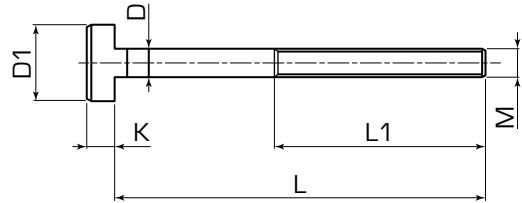
Esempio di ordinativo: R0431-11-0001  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7

**Description:**

Example of purchasing order: R0431-11-0001  
 Machine Dimension: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7

Codice Code	M	D	D1	K	Cava Slot	L																				
						40	50	63	63	80	100	100	100	100	125	125	150	160	160	170	200	200	230	250	315	315
						L1																				
						30	35	40	45	55	60	63	65	70	75	85	100	100	110	100	120	125	150	150	190	240
R0431-11	M10	9.7	15	6	10	0001				0002	0003	0004					0005		0006			0007				
R0431-11	M12	11.7	18	7	12		0008		0009	0010	0011						0012		0013			0014	0015			
R0431-11	M14	13.7	22	8	14			0016		0017				0018			0019		0020			0021		0022	0023	
R0431-11	M16	15.7	25	9	16				0024	0025				0026			0027		0028	0029		0030		0031	0032	0033
R0431-11	M18	17.7	28	10	18					0034				0035			0036	0037			0038		0039	0040		
R0431-11	M20	19.7	32	12	20					0041		0042					0043	0044		0045	0046		0047	0048		0049
R0431-11	M22	21.7	35	14	22					0050		0051					0052	0053		0054		0055	0056			
R0431-11	M24	23.7	40	16	24					0057					0058		0059	0060		0061	0062		0063	0064	0065	
R0431-11	M27	27.7	44	18	28															0066			0067		0068	0069

## R0432 Vite testa a martello singola - S311 Single hammerhead bolt - S311



**Descrizione:**

Esempio di ordinativo: R0432-11-0001  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7

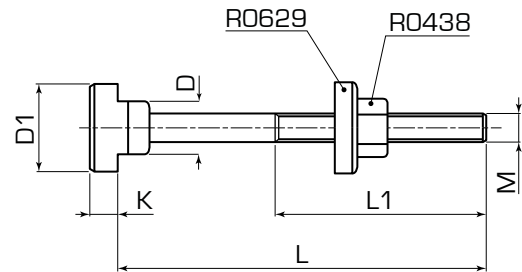
**Description:**

Example of purchasing order: R0432-11-0001  
 Material: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7

Codice Code	M	D	D1	K	Cava Slot	L																					
						40	50	63	63	80	100	100	100	100	125	125	150	160	160	170	200	200	230	250	315	315	
						L1																					
						30	35	40	45	55	60	63	65	70	75	85	100	100	110	100	120	125	150	150	190	240	
R0432-11	M10	9.7	15	6	10	0001				0002	0003	0004					0005		0006			0007					
R0432-11	M12	11.7	18	7	12		0008			0009	0010	0011					0012		0013			0014	0015				
R0432-11	M14	13.7	22	8	14			0016			0017			0018		0019		0020			0021		0022	0023			
R0432-11	M16	15.7	25	9	16				0024	0025		0026			0027		0028	0029		0030		0031	0032	0033			
R0432-11	M18	17.7	28	10	18					0034			0035			0036	0037			0038		0039	0040				
R0432-11	M20	19.7	32	12	20					0041		0042				0043	0044		0045	0046		0047	0048		0049		
R0432-11	M22	21.7	35	14	22					0050		0051				0052	0053			0054		0055	0056				
R0432-11	M24	23.7	40	16	24					0057				0058		0059	0060			0061	0062	0063	0064	0065			
R0432-11	M27	27.7	44	18	28														0066			0067		0068		0069	

## R0433

Vite testa a martello completa di dado R0438 e rondella R0629 - S315  
 Hammerhead bolt complete with nut R0438 and washer R0629 - S315



### Descrizione:

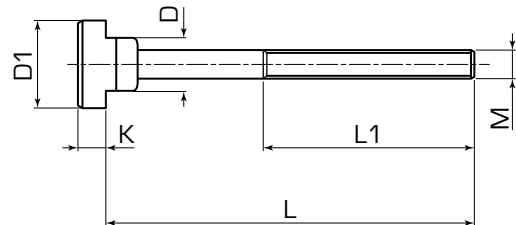
Esempio di ordinativo: R0433-11-0001  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7

### Description:

Example of purchasing order: R0433-11-0001  
 Machine Dimension: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7

Codice Code	M	D	D1	K	Cava Slot	L																	
						50	63	80	100	100	125	125	125	160	160	200	200	200	230	250	250	315	315
						L1																	
						35	45	55	63	70	75	80	85	100	110	120	125	134	150	149	150	190	240
R0433-11	M12	13.7	22	8	14	0001	0002	0003			0004					0005							
R0433-11	M14	15.7	25	9	16		0006		0007					0008					0009				
R0433-11	M16	17.7	28	10	18		0010	0011	0012				0013	0014			0015		0016		0017		
R0433-11	M20	21.7	35	14	22			0018	0019				0020	0021		0022		0023				0024	
R0433-11	M24	27.7	44	18	28					0025			0026	0027		0028		0029		0030		0031	
R0433-11	M30	35.7	53	22	36							0032		0033			0034		0035		0036		

**R0434** Vite testa a martello singola - S316  
Single hammerhead bolt - S316



**Descrizione:** **Description:**

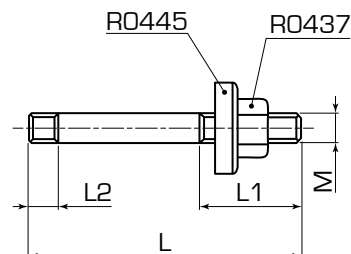
Esempio di ordinativo: **R0434-11-0001**  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7

Example of purchasing order: **R0434-11-0001**  
 Material: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7

Codice Code	M	D	D1	K	Cava Slot	L																	
						50	63	80	100	100	125	125	125	160	160	200	200	200	230	250	250	315	315
						L1																	
						35	45	55	63	70	75	80	85	100	110	120	125	134	150	149	150	190	240
<b>R0434-11</b>	M12	13.7	22	8	14	0001	0002	0003			0004					0005							
<b>R0434-11</b>	M14	15.7	25	9	16		0006		0007					0008				0009					
<b>R0434-11</b>	M16	17.7	28	10	18		0010	0011	0012				0013	0014			0015	0016		0017			
<b>R0434-11</b>	M20	21.7	35	14	22			0018	0019				0020	0021		0022	0023					0024	
<b>R0434-11</b>	M24	27.7	44	18	28					0025			0026	0027		0028		0029		0030			0031
<b>R0434-11</b>	M30	35.7	53	22	36							0032		0033			0034		0035			0036	



## R0435 Prigioniere completo di dado R0437 e rondella R0445 - S320 Stud complete with nut R0437 and washer R0445 - S320



### Descrizione:

Esempio di ordinativo: **R0435-11-0001**  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7  
 Nota: filetto ottenuto per rullatura

### Description:

Example of purchasing order: **R0435-11-0001**  
 Machine Dimension: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7  
 Note: rolled thread

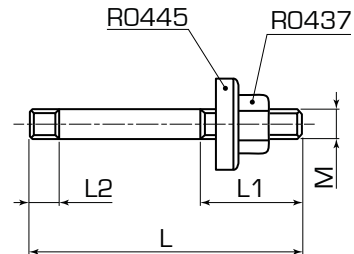
### M8 - M14

Codice Code	M	L2	L															
			40	50	63	63	63	80	100	100	120	125	160	200	200	225	250	
			L1															
			20	25	32	35	40	50	63	75	75	75	100	100	125	160	160	
R0435-11	M8	11	0001				0002	0003	0004				0005	0006	0007			
R0435-11	M10	13		0008		0009		0010		0011	0012		0013		0014			
R0435-11	M12	15		0015	0016			0017	0018			0019	0020		0021	0022	0023	
R0435-11	M14	17			0024			0025	0026		0027		0028		0029	0030	0031	

### M16 - M18

Codice Code	M	L2	L															
			63	80	100	100	125	160	200	225	225	250	250	315	350	400	450	500
			L1															
			35	50	50	63	75	100	125	150	160	150	160	180	180	250	250	315
R0435-11	M16	19	0032	0033		0034	0035	0036	0037		0038		0039	0040	0041	0042	0043	0044
R0435-11	M18	23		0045	0046		0047	0048	0049	0050		0051		0052		0053		

## R0435 Prigioniere completo di dado R0437 e rondella R0445 - S320 Stud complete with nut R0437 and washer R0445 - S320



**Descrizione:** **Description:**

**Esempio di ordinativo: R0435-11-0001**  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7  
 Nota: filetto ottenuto per rullatura

**Example of purchasing order: R0435-11-0001**  
 Machine Dimension: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7  
 Note: rolled thread

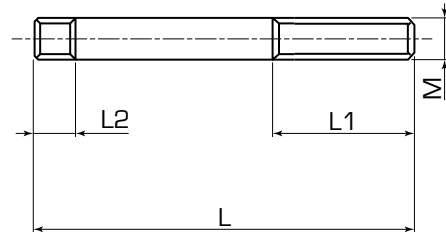
**M20 - M22**

Codice Code	M	L2	L																			
			80	100	100	120	125	160	200	225	250	315	315	350	400	450	500	600	650	700	800	900
			L1																			
R0435-11	M20	27	0054		0055		0056	0057	0058	0059	0060		0061	0062	0063	0064	0065	0066	0067	0068	0069	0070
R0435-11	M22	31		0071		0072		0073	0074	0075	0076	0077		0078	0079		0080					

**M24 - M36**

Codice Code	M	L2	L																		
			100	125	125	150	160	160	200	225	225	250	315	315	350	400	450	500	600	700	
			L1																		
R0435-11	M24	35	0081		0082			0083	0084	0085		0086	0087		0088	0089	0090	0091	0092		
R0435-11	M27	39		0093		0094			0095		0096	0097		0098		0099		0100			
R0435-11	M30	43		0101		0102			0103			0104		0105		0106		0107		0108	
R0435-11	M36	51					0109		0110			0111		0112		0113		0114		0115	

## R0436 Prigioniero singolo - S321 Single stud - S321



### Descrizione:

Esempio di ordinativo: **R0436-11-0001**  
 Materiale: UNI 42CrMo4 / 10.9  
 Normativa: ASTM A 193-B7  
 Note: filetto ottenuto per rullatura

### Description:

Example of purchasing order: **R0436-11-0001**  
 Material: UNI 42CrMo4 / 10.9  
 Standard: ASTM A 193-B7  
 Note: rolled thread

### M8 - M14

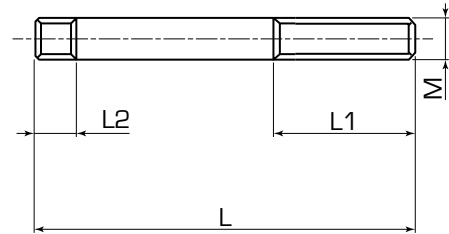
Codice Code	M	L2	L															
			40	50	63	63	63	80	100	100	120	125	160	200	200	225	250	
			L1															
			20	25	32	35	40	50	63	75	75	75	100	100	125	160	160	
R0436-11	M8	11	0001				0002	0003	0004				0005	0006	0007			
R0436-11	M10	13		0008		0009		0010		0011	0012		0013		0014			
R0436-11	M12	15		0015	0016			0017	0018			0019	0020		0021	0022	0023	
R0436-11	M14	17			0024			0025	0026		0027		0028		0029	0030	0031	

### M16 - M18

Codice Code	M	L2	L															
			63	80	100	100	125	160	200	225	225	250	250	315	350	400	450	500
			L1															
			35	50	50	63	75	100	125	150	160	150	160	180	180	250	250	315
R0436-11	M16	19	0032	0033		0034	0035	0036	0037		0038		0039	0040	0041	0042	0043	0044
R0436-11	M18	23		0045	0046		0047	0048	0049	0050		0051		0052		0053		

## R0436

Prigioniero singolo - S321  
Single stud - S321



### Descrizione:

Esempio di ordinativo: **R0436-11-0001**  
Materiale: UNI 42CrMo4 / 10.9  
Normativa: ASTM A 193-B7  
Note: filetto ottenuto per rullatura

### Description:

Example of purchasing order: **R0436-11-0001**  
Material: UNI 42CrMo4 / 10.9  
Standard: ASTM A 193-B7  
Note: rolled thread

### M20 - M22

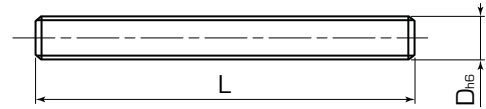
Codice Code	M	L2	L																			
			80	100	100	120	125	160	200	225	250	315	315	350	400	450	500	600	650	700	800	900
			L1																			
R0436-11	M20	27	0054		0055		0056	0057	0058	0059	0060		0061	0062	0063	0064	0065	0066	0067	0068	0069	0070
R0436-11	M22	31		0071		0072		0073	0074	0075	0076	0077		0078	0079		0080					

### M24 - M36

Codice Code	M	L2	L																		
			100	125	125	150	160	160	200	225	225	250	315	315	350	400	450	500	600	700	
			L1																		
R0436-11	M24	35	0081		0082			0083	0084	0085		0086	0087		0088	0089	0090	0091	0092		
R0436-11	M27	39		0093		0094			0095		0096	0097		0098		0099		0100			
R0436-11	M30	43		0101		0102			0103			0104		0105		0106		0107		0108	
R0436-11	M36	51					0109		0110			0111		0112		0113		0114		0115	

**R0538**

Barra filettata brunita  
Burnished threaded bar



**Descrizione:**

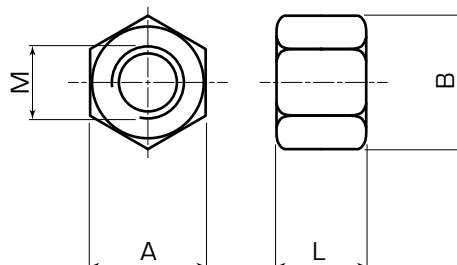
Materiale: UNI 42CrMo4 ASTM A193-B7 Classe 10.9  
Nota: Su richiesta filettatura sinistra

**Description:**

Material: UNI 42CrMo4 ASTM A193-B7 Class 10.9  
Note: Left-hand threaded on request

Codice Code	M	L
R0538-11-0001	M6	1000
R0538-11-0002	M8	1000
R0538-11-0003	M10	1000
R0538-11-0004	M12	1000
R0538-11-0005	M14	1000
R0538-11-0006	M16	1000
R0538-11-0007	M18	1000
R0538-11-0008	M20	1000
R0538-11-0009	M22	1000
R0538-11-0010	M24	1000
R0538-11-0011	M27	1000
R0538-11-0012	M30	1000
R0538-11-0013	M33	1000
R0538-11-0014	M36	1000
R0538-11-0015	M42	1000
R0538-11-0016	M48	1000

**R0437** Dado basso tornito - S330  
Turned short nut UNI5587 - S330



**Descrizione:**

Materiale: Acciaio classe 10K

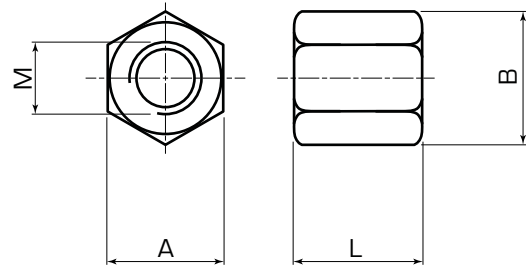
**Description:**

Material: Steel class 10K

Codice Code	M	A	B	L
R0437-11-0001	M8	13	14,8	8
R0437-11-0002	M10	17	19,6	10
R0437-11-0003	M12	19	21,5	12
R0437-11-0004	M14	22	25	14
R0437-11-0005	M16	24	27,5	16
R0437-11-0006	M18	27	31	18
R0437-11-0007	M20	30	34,6	20
R0437-11-0008	M22	32	36,9	22
R0437-11-0009	M24	36	41,6	24
R0437-11-0010	M27	41	47,3	27
R0437-11-0011	M30	46	53,1	30
R0437-11-0012	M36	55	63,5	36
R0437-11-0013	M42	65	75	42
R0437-11-0014	M48	75	86,5	48

**R0438**

Dado alto tornito - S340  
Turned tall nut DIN6330B - S340



**Descrizione:**

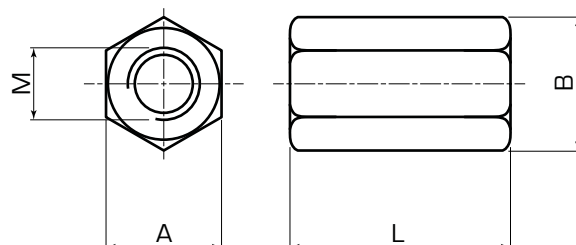
Materiale: Acciaio classe 10K

**Description:**

Material: Steel class 10K

Codice Code	M	A	B	L
R0438-11-0001	M6	10	11,5	9
R0438-11-0002	M8	13	14,8	12
R0438-11-0003	M10	17	19,6	15
R0438-11-0004	M12	19	21,5	18
R0438-11-0005	M14	22	25	21
R0438-11-0006	M16	24	27,5	24
R0438-11-0007	M18	27	31	27
R0438-11-0008	M20	30	34,6	30
R0438-11-0009	M22	32	36,9	33
R0438-11-0010	M24	36	41,6	36
R0438-11-0011	M27	41	47,3	40
R0438-11-0012	M30	46	53,1	45
R0438-11-0013	M36	55	63,5	54
R0438-11-0014	M42	65	75	63
R0438-11-0015	M48	75	86,5	72

**R0439** Dado prolungamento - S350  
Extension nut - S350



**Descrizione:**

Materiale: Acciaio classe 10K

**Description:**

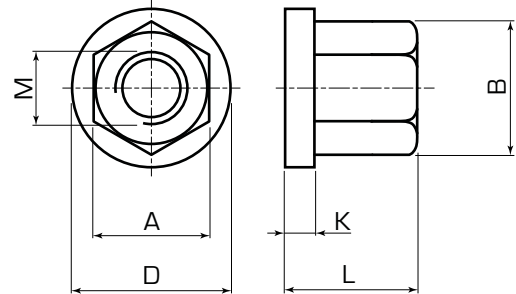
Machine Dimension: Steel class 10K

Codice Code	M	A	B	L
R0439-11-0001	M6	10	11,5	18
R0439-11-0002	M8	13	14,8	24
R0439-11-0003	M10	17	19,6	30
R0439-11-0004	M12	19	21,5	36
R0439-11-0005	M14	22	25	42
R0439-11-0006	M16	24	27,5	48
R0439-11-0007	M18	27	31	54
R0439-11-0008	M20	30	34,6	60
R0439-11-0009	M22	32	36,9	66
R0439-11-0010	M24	36	41,6	72
R0439-11-0011	M27	41	47,3	81
R0439-11-0012	M30	46	53,1	90
R0439-11-0013	M36	55	63,5	108
R0439-11-0014	M42	65	75	126
R0439-11-0015	M48	75	86,5	144



**R0440**

Dado con rondella - S351  
Nut with washer - S351



**Descrizione:**

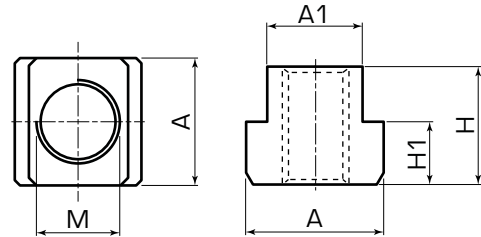
Materiale: Acciaio classe 10K

**Description:**

Material: Steel class 10K

Codice Code	M	D	A	B	L	K
R0440-11-0001	M8	18	13	14,8	12	3,5
R0440-11-0002	M10	22	17	19,6	15	4
R0440-11-0003	M12	25	19	21,5	18	4
R0440-11-0004	M14	28	22	25	21	4,5
R0440-11-0005	M16	31	24	27,5	24	5
R0440-11-0006	M18	34	27	31	27	5
R0440-11-0007	M20	37	30	34,6	30	6
R0440-11-0008	M22	40	32	36,9	33	6
R0440-11-0009	M24	45	36	41,6	36	6
R0440-11-0010	M27	51	41	47,3	40	8
R0440-11-0011	M30	58	46	53,1	45	8
R0440-11-0012	M36	68	55	63,5	54	10
R0440-11-0013	M42	80	65	75	63	12
R0440-11-0014	M48	92	75	86,5	72	14

## R0441 Tassello per cave a T - S360 Nut for T-slot - S360



### Descrizione:

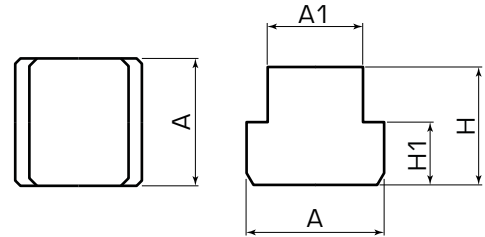
Esempio di ordinativo: R0441-11-0001  
Materiale: Acciaio classe 8G

### Description:

Example of purchasing order: R0441-11-0001  
Machine Dimension: Steel class 8G

Codice Code	A	H	A1	H1	Cava Slot	M												
						M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36
R0441-11	13	10	7.7	6	8	0001												
R0441-11	15	12	9.7	6	10		0002											
R0441-11	18	14	11.7	7	12		0003	0007										
R0441-11	22	16	13.7	8	14		0004	0008	0011									
R0441-11	25	18	15.7	9	16		0005	0009	0012	0014								
R0441-11	28	20	17.7	10	18		0006	0010	0013	0015	0016							
R0441-11	32	24	19.7	12	20						0017	0021						
R0441-11	35	28	21.7	14	22						0018	0022	0023					
R0441-11	40	32	23.7	16	24						0019		0024	0026				
R0441-11	44	36	27.7	18	28						0020		0025	0027	0028			
R0441-11	48	38	29.7	19	30									0029				
R0441-11	50	40	31.6	20	32											0030		
R0441-11	54	44	35.6	22	36												0031	
R0441-11	65	52	41.6	26	42													0032

**R0442** Tassello per cave a T senza foro - S361  
Blank nut for T-slot - S361



**Descrizione:**

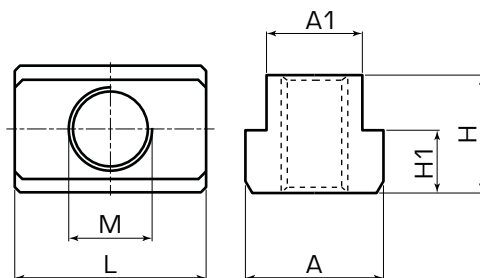
Materiale: Acciaio lasse 8G

**Description:**

Material: Steel class 8G

Codice Code	A	H	A1	H1	Cava Slot
R0442-11-0001	13	10	7,7	6	8
R0442-11-0002	15	12	9,7	6	10
R0442-11-0003	18	14	11,7	7	12
R0442-11-0004	22	16	13,7	8	14
R0442-11-0005	25	18	15,7	9	16
R0442-11-0006	28	20	17,7	10	18
R0442-11-0007	32	24	19,7	12	20
R0442-11-0008	35	28	21,7	14	22
R0442-11-0009	40	32	23,7	16	24
R0442-11-0010	44	36	27,7	18	28
R0442-11-0011	50	40	31,6	20	32
R0442-11-0012	54	44	35,6	22	36
R0442-11-0013	65	52	41,6	26	42

**R0443** Tassello per cave a T doppia lunghezza - S362  
Extended nut for T-slot - S362



**Descrizione:**

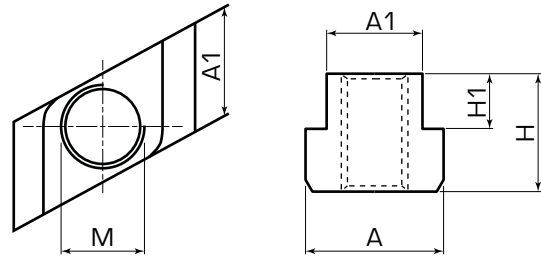
Materiale: Acciaio classe 8G

**Description:**

Material: Steel class 8G

Codice Code	M	A	L	H	A1	H1	Cava Slot
R0443-11-0001	M6	13	26	10	7,7	5	8
R0443-11-0002	M8	15	30	12	9,7	6	10
R0443-11-0003	M10	18	36	14	11,7	7	12
R0443-11-0004	M12	22	44	16	13,7	8	14
R0443-11-0005	M14	25	50	18	15,7	9	16
R0443-11-0006	M16	28	56	20	17,7	10	18
R0443-11-0007	M18	32	64	24	19,7	12	20
R0443-11-0008	M20	35	70	28	21,7	14	22
R0443-11-0009	M22	40	80	32	23,7	16	24
R0443-11-0010	M24	44	88	36	27,7	18	28
R0443-11-0011	M27	50	100	40	31,6	20	32
R0443-11-0012	M30	54	108	44	35,6	22	36

**R0444** Tassello per cave romboidali - S363  
Rhombic nut for T-slot - S363



**Descrizione:**

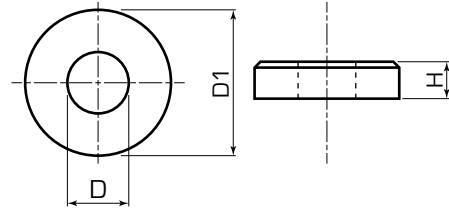
Esempio di ordinativo: R0444-11-0001  
Materiale: Acciaio classe 8G

**Description:**

Example of purchasing order: R0444-11-0001  
Material: Steel class 8G

Codice Code	A	H	A1	H1	Cava Slot	M								
						M10	M12	M14	M16	M18	M20	M24	M30	
R0442-11	18	14	11.7	7	12	0001								
R0442-11	22	16	13.7	8	14	0002	0004							
R0442-11	25	18	15.7	9	16			0005						
R0442-11	28	20	17.7	10	18	0003			0006					
R0442-11	32	24	19.7	12	20				0007	0010				
R0442-11	35	28	21.7	14	22				0008		0011			
R0442-11	44	36	27.7	18	28				0009		0012	0013		
R0442-11	54	44	35.6	22	36									0014

**R0445** Rondella tornita - S370  
Turned washer - S370



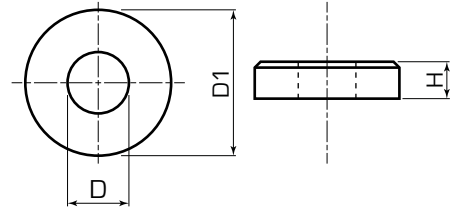
**Descrizione:** **Description:**

Esempio di ordinativo: R0445-11-0001  
Materiale: Acciaio classe 8G

Example of purchasing order: R0445-11-0001  
Machine Dimension: Steel class 8G

Codice Code	D1	H	D															
			6.6	8.4	10.5	13	15	17	19	21	23	25	28	31	37	43	49	
R0445-11	13	3.5	0001															
R0445-11	18	4		0002														
R0445-11	22	4			0003													
R0445-11	28	5				0004												
R0445-11	35	6					0005	0006										
R0445-11	40	6							0007	0008								
R0445-11	45	8									0009	0010						
R0445-11	60	10											0011	0012				
R0445-11	70	12														0013		
R0445-11	80	12															0014	
R0445-11	90	12																0015

**R0628** Rondella tornita - S380  
Turned washer - S380



**Descrizione:**

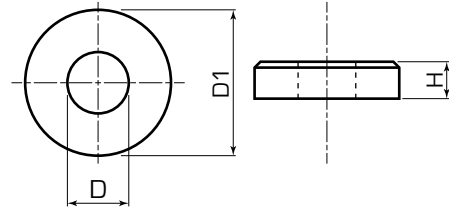
Esempio di ordinativo: R0628-11-0001  
Materiale: Acciaio classe 8G

**Description:**

Example of purchasing order: R0628-11-0001  
Material: Steel class 8G

Codice Code	D1	H	D											
			6.6	8.4	10.5	13	15	17	19	21	23	25	28	31
R0628-11	20	8	0001											
R0628-11	35	8		0002	0003									
R0628-11	40	8				0004								
R0628-11	40	10					0005							
R0628-11	45	10						0006	0007					
R0628-11	50	12								0008	0009	0010		
R0628-11	60	14											0011	0012

## R0629 Rondella tornita - S390 Turned washer - S390



### Descrizione:

Esempio di ordinativo: R0629-11-0001  
Materiale: Acciaio classe 8G

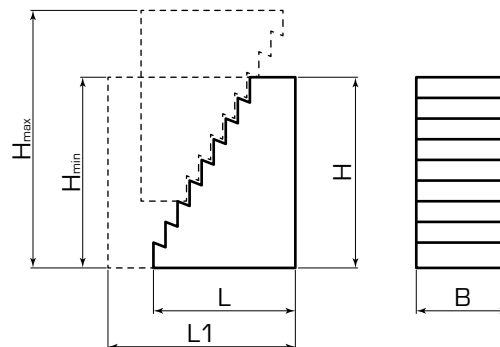
### Description:

Example of purchasing order: R0629-11-0001  
Machine Dimension: Steel class 8G

Codice Code	D1	H	D														
			6.6	8.4	10.5	13	15	17	19	21	23	25	28	31	38	44	50
R0629-11	17	3.5	0001														
R0629-11	23	4		0002													
R0629-11	28	4			0003												
R0629-11	35	5				0004											
R0629-11	40	5					0005										
R0629-11	45	6						0006	0007								
R0629-11	50	6								0008							
R0629-11	50	8									0009						
R0629-11	60	8										0010					
R0629-11	68	10											0011	0012			
R0629-11	80	12													0013		
R0629-11	100	15														0014	
R0629-11	100	17															0015



**R0631** Appoggio dentato singolo  
Single toothed support



**Descrizione:**

Materiale: Acciaio da bonifica verniciato  
Dimensioni gradino  
verticale: 4.65 mm  
orizzontale: 2.3 mm

**Description:**

Material: Hardened painted steel  
Dimensions of tooth  
vertical: 4.65 mm  
horizontal: 2.3 mm

Codice Code	H	L	B	Hmin	Hmax	L1
R0631-11-0001	31.5	22	30	31.5	53	38
R0631-11-0002	64.5	36.5	30	64.5	105	70
R0631-11-0003	128	68	30	128	208	132

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

**LUCIDATURA  
SURFACE FINISHING**





# INDICE INDEX

<b>ATTREZZI TOOLS</b>		
R0479-12-0001	<b>Limatrice pneumatica corsa 8 mm PLF88</b> 8 mm stroke filling tool PLF88	Pg. 05
R0479-12-0002	<b>Limatrice pneumatica corsa 0,3 mm LTLO3</b> 0,3 mm stroke filling tool LTLO3	Pg. 05
R0479-12-0003	<b>Limatrice pneumatica corsa 0,7 mm LTLO7</b> 0,7 stroke filling tool LTLO7	Pg. 06
R0479-12-0004	<b>Limatrice pneumatica corsa 0,3 mm LTU03</b> 0,3 mm stroke filling tool LTU03	Pg. 06
R0479-12-0005	<b>Limatrice pneumatica corsa 0,6 mm LLTU06</b> 0,6 mm stroke filling tool LLTU06	Pg. 07
R0479-12-0006	<b>Alternatore dritto sinistra-destra LAR993</b> Straight left-right alternator LAR993	Pg. 07
R0479-12-0007	<b>Alternatore angolare sinistro-destro LAR690</b> Angled left-right alternator LAR690	Pg. 08
R0479-12-0008	<b>Smerigliatrice dritta con pinza da 6 mm SMD</b> Straight grinder with 6 clamp SMD	Pg. 08
R0479-12-0009	<b>Smerigliatrice angolare con pinza da 6 mm SMD90</b> Angle grinder with 6mm clamp SMD90	Pg. 09
R0479-12-0010	<b>Smerigliatrice dritta con pinza da 3 mm LFX030</b> Straight grinder with 3 mm clamp LFX030	Pg. 09
R0479-12-0011	<b>Smerigliatrice dritta con pinza da 3 mm LNAK180</b> Straight grinder with 3 mm clamp LNAK180	Pg. 10
R0479-12-0012	<b>Smerigliatrice pneumatica dritta con pinza da 6 mm UG38NA</b> Straight grinder with 6 mm clamp UG38NA	Pg. 10
<b>LIME DIAMANTATE DIAMOND FILES</b>		
	<b>Lime diamantate coniche con impugnatura</b> Diamond conical files with handgrip	Pg. 11
	<b>Lime diamantate coniche con impugnatura - Kit</b> Diamond conical files with handgrip Kit	Pg. 11
	<b>Lime diamantate coniche con manico in acciaio</b> Diamond files with flat steel haft	Pg. 12
	<b>Lime diamantate coniche con manico in acciaio - Kit</b> Diamond files with flat steel haft - Kit	Pg. 12
	<b>Lime diamantate coniche corte con gambo</b> Diamond conical short files with handle	Pg. 13
	<b>Lime diamantate coniche corte con gambo - Kit</b> Diamond conical short files with handle - Kit	Pg. 14
	<b>Lime diamantate coniche corte con manico in acciaio</b> Short conical diamond hand files with steel haft	Pg. 14
	<b>Lime diamantate gambo 4mm (per PLF)</b> Diamond files with 4mm Handle (suitable with PLF)	Pg. 15
	<b>Manico per lime</b> Haft for files	Pg. 15
	<b>Lime diamantate tipo Refolis - Kit</b> Diamond files Refoils Type - Kit	Pg. 15

# INDICE INDEX

	<b>Lime diamantate - Kit vari</b> Diamond files - Various Kits	Pg. 16
<b>MOLE DIAMANTATE E FRESE IN METALLO DURO</b> <b>DIAMOND GRINDSTONES AND HARD METAL MILLING CUTTERS</b>		
	<b>Mole diamantate (Tipo A, C, D, R, T, AR, LA)</b> Diamond grinstones (Type A, C, D, R, T, AR, LA)	Pg. 17
	<b>Mole diamantate - Kit</b> Diamond grinstones - Kit	Pg. 18
	<b>Frese in metallo duro</b> Hard metal milling cutters - Kit	Pg. 19
	<b>Frese in metallo duro - Kit</b> Hard metal milling cutters - Kit	Pg. 21
<b>PIETRE CERAMICHE</b> <b>CERAMIC STONES</b>		
	<b>Pietre ceramiche rettangolari</b> Rettangular ceramic stones	Pg. 22
	<b>Pietre ceramiche a sezione circolare</b> Circular section ceramic stones	Pg. 23
	<b>Pietre ceramiche per ultrasuoni</b> Ceramic stones for ultrasonic works	Pg. 24
<b>PIETRE ABRASIVE</b> <b>ABRASIVE STONES</b>		
	<b>Pietre Star</b> Star Stones	Pg. 25
	<b>Pietre Super</b> Super Stones	Pg. 26
	<b>Pietre EDM soft/hard</b> EDM soft/hard Stones	Pg. 27
	<b>Pietre Oil</b> Oil Stones	Pg. 28
	<b>Pietre White</b> White Stones	Pg. 29
	<b>Pietre doppia grana</b> Double grain stones	Pg. 29
<b>MOLE ABRASIVE</b> <b>ABRASIVE GRINDSTONES</b>		
	<b>Mole abrasive Rubino</b> Ruby abrasive grinstones	Pg. 30
	<b>Mole abrasive Blu</b> Blue abrasive grinstones	Pg. 31
	<b>Mole abrasive - Kit (Blu e Rubino)</b> Abrasive grinstones - Kit (Blue and Ruby)	Pg. 31
	<b>Mole abrasive Rosa</b> Pink abrasive grinstones	Pg. 32
	<b>Mole abrasive Arancioni</b> Orange abrasive grinstones	Pg. 32
	<b>Mole abrasive Bianche</b> White abrasive grinstones	Pg. 33

# INDICE INDEX

	<b>Mole in gomma</b> Rubber grinstones	Pg. 34
	<b>Mole in cuoio</b> Leather grinstones	Pg. 35
<b>TELA E CARTA ABRASIVI</b> <b>ABRASIVE CLOTH AND PAPER</b>		
	<b>Rotoli</b> Rolls	Pg. 36
	<b>Fogli</b> Foils	Pg. 37
	<b>Fogli adesivi</b> Adhesive foils	Pg. 37
	<b>Fogli diamantati</b> Diamonds foils	Pg. 38
	<b>Rettangolini adesivi</b> Adhesive rectangles	Pg. 39
	<b>Dischi in Corindone</b> Corundum discs	Pg. 41
	<b>Dischi in Zirconio</b> Zirconium discs	Pg. 42
<b>ANELLI E RULLI ABRASIVI</b> <b>ABRASIVE RINGS AND CAPS</b>		
	<b>Anelli abrasivi</b> Abrasive rings	Pg. 43
	<b>Rulli porta anelli</b> Rings holders	Pg. 43
	<b>Cappucci abrasivi cilindrici</b> Cylindrical abrasive caps	Pg. 44
	<b>Cappucci abrasivi cilindrici a testa sferica</b> Cylindrical abrasive caps with spherical head	Pg. 44
	<b>Porta cappucci cilindrici</b> Cylindrical caps holders	Pg. 44
	<b>Porta cappucci cilindrici a testa sferica</b> Spherical caps holders	Pg. 44
<b>R0546</b>	<b>Rulli a lamelle abrasive</b> Fan grinders	Pg. 45
<b>ACCESSORI VARI</b> <b>VARIUOS ACCESSORIES</b>		
	<b>Stecche per tele</b> Sticks for cloathes	Pg. 46
	<b>Stecche per piani</b> Sticks for flats	Pg. 46
	<b>Stecche per piastrini</b> Sticks for platelets	Pg. 46
	<b>Stecche nerve</b> Nerve sticks	Pg. 46
	<b>Piastrini in plastica</b> Plastic platelets	Pg. 47

# INDICE INDEX

	<b>Piastrini con pietra</b> Platelets with stone	Pg. 47
	<b>Mandrini per stecche nerve</b> Mandrels for neerve sticks	Pg. 47
	<b>Mandrini per pietre ceramiche</b> Mandrels for ceramic stones	Pg. 47
	<b>Portapietre</b> Stoneholder	Pg. 48
	<b>Pinza portapietre</b> Pliers stoneholder	Pg. 48
	<b>Riduzioni</b> Reducing collets	Pg. 48
	<b>Platorelli in plastica</b> Plastic holders	Pg. 49
	<b>Platorelli in mousse</b> Mousse holders	Pg. 49
	<b>Platorelli per combi dischi</b> Holders for combi discs	Pg. 49
	<b>Mousse per combi dischi</b> Holders for combi discs	Pg. 49
	<b>Mandrini con filetto</b> Thread mandrels	Pg. 49
<b>FELTRI E PASTE</b> <b>FELTS AND PASTES</b>		
	<b>Pasta diamantata</b> Diamond paste	Pg. 50
	<b>Pasta diamantata alta qualità</b> High quality diamond paste	Pg. 50
	<b>Stecche di legno</b> Wooden sticks	Pg. 51
	<b>Feltro in fogli</b> Felt foils	Pg. 51
	<b>Feltri cilindrici con gambo</b> Cylindrical felts with handle	Pg. 52
	<b>Feltri tronco conici con gambo</b> Conicak trunk felts with handle	Pg. 52
	<b>Feltri conici con gambo</b> Conical trunk felts with handle	Pg. 52
	<b>Feltri lenticolari con gambo</b> Lenticular felts with handle	Pg. 52
	<b>Feltri conici con gambo</b> Conical trunk felts with handle	Pg. 53
	<b>Feltri per mandrini</b> Felts for mandrels	Pg. 53
	<b>Mandrino per feltri rotativi</b> Mandrels for rotating felts	Pg. 53
	<b>Platorelli con feltri</b> Holders with felts	Pg. 53



## R0479-12-0001

Limatrice pneumatica corsa 8 mm PLF88

Filing tool 8 mm stroke PLF88



### Descrizione:

Attrezzo universale dotato di un' ottima potenza di taglio ed un' elevata velocità e spinta in fase di levigatura e di lucidatura.

### Description:

Universal tool with excellent cutting performance, high speed and with really good boost during flattening and polishing works.

#### Caratteristiche tecniche Technical specifications

Corsa	2-8 mm regolabile	Stroke	2-8 mm adjustable
Pinza Standard	Ø 3 + 1 mm	Standard Clamp	Ø 3 + 1 mm
N°giri	0-12000 giri/min regol.	Rotation speed	0-12000 turns/min adjust.
Potenza	300 Watt	Power	300 Watt
Attacco utensile max	6,4 mm	Tool's attachment max	6,4 mm
Porta utensile	4 mm già montato	Tool holder	4 mm already assembled
Consumo aria	250 l/min	Air consumption	250 l/min
Rumorosità	71 db	Noise factor	71 db
Peso	760 g	Weight	760 g

## R0479-12-0002

Limatrice pneumatica corsa 0,3 mm LTL03

Air powered filing tool stroke 0,3 mm LTL03



### Descrizione:

Limatrice di ultima generazione dalle buone caratteristiche di potenza e velocità e bassa rumorosità indicata per utilizzo con pietre ceramiche e lime diamantate.

### Description:

Latest generation filing tool with excellent power and speed and with low noise performance. Designed to be used with ceramic stones and diamond files.

#### Caratteristiche tecniche Technical specifications

P max. di oscillazioni	6 bar	Max. working power	6 bar
Numero di oscillazioni	38000	Oscillation number	38000
Lunghezza corsa	0,30 mm	Stroke length	0,30 mm
Dimensioni	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	0,215 Kg	Weight	0,215 Kg

**R0479-12-0003**

**Limatrice pneumatica corsa 0,7 mm LTL07**

**Air powered filing tool stroke 0,7 mm LTL07**



**Descrizione:**

Limatrice di ultima generazione dalle buone caratteristiche di potenza e velocità e bassa rumorosità indicata per utilizzo con pietre ceramiche e lime diamantate.

**Description:**

Latest generation filling tool with excellent power and speed and with low noise performance. Designed to be used with ceramic stones and diamond files.

**Caratteristiche tecniche  
Technical specifications**

P max. di oscillazioni	6 bar	Max. working power	6 bar
Numero di oscillazioni	25000	Oscillation number	25000
Lunghezza corsa	0,70 mm	Stroke length	0,70 mm
Dimensioni	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	0,215 Kg	Weight	0,215 Kg

**R0479-12-0004**

**Limatrice pneumatica corsa 0,3 mm LTU03**

**Filing tool 0,3 mm stroke LTU03**



**Descrizione:**

Limatrice di ultima generazione dalle buone caratteristiche di potenza e velocità e bassa rumorosità indicata per utilizzo con pietre ceramiche e lime diamantate.

**Description:**

Latest generation filling tool with excellent power and speed and with low noise performance. Designed to be used with ceramic stones and diamond files.

**Caratteristiche tecniche  
Technical specifications**

Lunghezza corsa	0,3 mm	Stroke length	0,3 mm
N°giri	30000 giri/min regol.	Rotation speed	30000 turns/min adjust.
P. max. di esercizio	6 bar	Max. working power	6 bar
Dimesioni	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	200 gr	Weight	200 gr

**Esempio di ordinativo: Codice**  
Example of purchasing order: Code

## R0479-12-0005

Limatrice pneumatica corsa 0,6 mm LLTU06

Filling tool 0,6 mm stroke LLTU06



### Descrizione:

Limatrice di ultima generazione dalle buone caratteristiche di potenza e velocità e bassa rumorosità indicata per utilizzo con pietre ceramiche e lime diamantate.

### Description:

Latest generation filling tool with excellent power and speed and with low noise performance. Designed to be used with ceramic stones and diamond files.

#### Caratteristiche tecniche Technical specifications

Corsa	0,6 mm	Stroke	0,6 mm
Pinza Standard	Ø 3 + 1 mm	Standard Clamp	Ø 3 + 1 mm
N°colpi	25000 strokes/min	Strokes No.	25000 strokes/min
Consumo area	0,050 m3/min	Air consumption	0,050 m3/min
Pressione cons.	Ø30 x 205 mm	Operating pressure	Ø30 x 205 mm
Dimensione	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	258 g	Weight	258 g
BASSO RUMORE		LOW NOISE	

## R0479-12-0006

Limatrice dritta left-right LAR993

Straight left-right filling tool LAR993



### Descrizione:

Limatrice dritta di piccole dimensioni con corsa laterale.

### Description:

Small dimension straight filling tool.

#### Caratteristiche tecniche Technical specifications

Lunghezza corsa	0,3 mm	Stroke	0,3 mm
N°giri	30000 strokes/min	Strokes No.	30000 strokes/min
Consumo area	0,050 m3/min	Air consumption	0,050 m3/min
Pressione cons.	Ø32 x 220 mm	Operating pressure	Ø32 x 220 mm
Dimensione	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	200 g	Weight	200 g

**R0479-12-0007**

**Limatrice angolare sinistra-destra LAR690**

Angular left-right filling tool LAR690



**Descrizione:**

Limatrice di medie dimensioni, corsa laterale, testa 90°

**Description:**

Medium size filling tool, head 90°.

**Caratteristiche tecniche**  
Technical specifications

Pinza standard	Ø 6 mm	Standard collet	Ø 6 mm
N° giri	22000 giri/min	Rotation speed	22000 turns/min
P max. di esercizio	6 bar	Max. working power	6 bar
Altezza testa	61 mm	Head height	61 mm
Dimensioni	F 32 x 200 mm	Dimensions	F 38 x 200 mm
Peso	470 g	Weight	470 g

**R0479-12-0008**

**Smerigliatrice dritta con pinza da 6 mm SMD**

Straight grinder with 6 mm clamp SMD



**Descrizione:**

Smerigliatrice dritta con pinza da 6mm.  
E' Indicata per lavorazioni di smerigliatura con mole abrasive e frese in metallo duro.

**Description:**

Straight grinder with 6mm collet.  
Designed to be used with abrasive grindstones, hard metal fraises and mandrels for abrasive cloth.

**Caratteristiche tecniche**  
Technical specifications

Pinza standard	Ø 6 mm	Standard collet	Ø 6 mm
N° giri	22000 giri/min	Rotation speed	22000 turns/min
P max. di esercizio	6 bar	Max. working power	6 bar
Attacco utensile max.	7 mm	Tool's attachment max.	7 mm
Dimensioni	F 44 x 178 mm	Dimensions	F 44 x 178 mm
Peso	600 g	Weight	600 g

**Esempio di ordinativo: Codice**  
Example of purchasing order: Code

## R0479-12-0009

### Smerigliatrice angolare con pinza da 6 mm SMD90

Angular grinder with 6mm clamp SMD90



#### Descrizione:

Smerigliatrice angolare con pinza da 6mm.  
E' indicata per utilizzo con mole abrasive, frese in metallo duro e mandrini da tela abrasiva.

#### Description:

Angle grinder with 6mm clamp.  
Designed to be used with abrasive grindstones, hard metal fraises and mandrels for abrasive cloth.

#### Caratteristiche tecniche Technical specifications

Pinza Standard	Ø 6 mm	Standard Clamp	Ø 6 mm
N°giri	18000 giri/min	Rotation speed	18000 turns/min
P max. di esercizio	6 bar	Max. working power	6 bar
Attacco utensile max.	7 mm	Tool's attachment max.	7 mm
Dimensioni	F 44 x 178 mm	Dimensions	F 44 x 178 mm
Peso	700 g	Weight	700 g

## R0479-12-0010

### Smerigliatrice dritta con pinza da 3 mm LFX030

Straight grinder with 3 mm clamp LFX030



#### Descrizione:

Smerigliatrice dritta con pinza da 3mm.  
E' Indicata per tutte quelle operazioni di smerigliatura che necessitano di un attrezzo leggero preciso e potente.

#### Description:

Straight grinder with 3mm clamp.  
Designated to be used in all grinding works that need use of light, accurate and powerful tool.

#### Caratteristiche tecniche Technical specifications

Corsa	0,3 mm	Collet	0,3 mm
N°giri	65000 giri/min	RPM	65000 turns/min
Consumo area	90 l/min	Air consumption	90 l/min
Pressione cons.	Ø30 x 205 mm	Operating pressure	Ø30 x 205 mm
Dimensione	F 28 x 220 mm	Dimensions	F 28 x 220 mm
Peso	78 g	Weight	78 g

## R0479-12-0011

### Smerigliatrice dritta con pinza da 3 mm LNAK180

Straight grinder with 3 mm clamp LNAK180



#### Descrizione:

Smerigliatrice dritta con pinza da 3mm.  
E' Indicata per tutte quelle operazioni di smerigliatura che necessitano di un attrezzo leggero preciso e potente.

#### Description:

Straight grinder with 3mm clamp.  
Designated to be used in all grinding works that need use of light, accurate and powerful tool.

#### Caratteristiche tecniche Technical specifications

Pinza Standard	Ø 3 mm	Standard Clamp	Ø 3 mm
N°giri	70000 giri/min	Rotation speed	70000 turns/min
P max. di esercizio	6,5 bar	Max. working power	6,5 bar
Dimensioni	Ø 18 x 165 mm	Dimensions	Ø 18 x 165 mm
Peso	183 g	Weight	183 g

## R0479-12-0012

### Smerigliatrice pneumatica dritta con pinza da 6 mm UG38NA

Straight grinder with 6 mm clamp UG38NA



#### Descrizione:

Smerigliatrice dritta con pinza da 6mm.  
E' Indicata per lavorazioni di smerigliatura con mole abrasive e frese in metallo duro.

#### Description:

Straight grinder with 6mm clamp.  
Designed to be used with abrasive grindstones, hard metal fraises and mandrels for abrasive cloth.

#### Caratteristiche tecniche Technical specifications

Diametro pinza	6 mm	Collet Chuck Size	6 mm
N°giri	25000 giri/min	Rotation speed	25000 giri/min
Lunghezza totale	165 mm	Overall Length	165 mm
Potenza	315 W	Power Watt	315 W
Diametro interno tubo aria	10 mm	Internal diameter of air tube	10 mm
Consumo aria	400 l/min	Air Consumption	400 l/min
Attacco aria	1/4" NPT	Air Inlet Thread (Pipe Tap)	1/4" NPT
Rumorosità	75 dB(A)	Noise Level	75 dB(A)
Peso	650 gr	Weight	650 gr

Esempio di ordinativo: Codice  
Example of purchasing order: Code

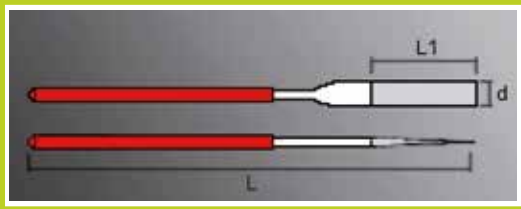
## Lime Diamantate - Diamond files

Le nostre lime diamantate sono adatte ad essere utilizzate su carburi, vetro, acciaio temprato e molti altri materiali simili.

L'accuratezza con cui sono realizzate conferisce loro un' elevata resistenza all'usura.

Our Diamond Files are suitable to be used on carbides, glass, carburized steel and many other similar materials. They have been realized with extreme accuracy, thanks to this they have high resistance to wear

## Lime Diamantate coniche con impugnatura Conical Diamond Hand Files



Codice Code	Dimensioni (mm) d x L Dimensions (mm) d x L	L1 (mm)	Grana Grain
LDLIMP02X140120	2 x 140	30	120
LDLIMP02X140200	2 x 140	30	200
LDLIMP02X140400	2 x 140	30	400
LDLIMP04X140120	4 x 140	30	120
LDLIMP04X140200	4 x 140	30	200
LDLIMP04X140400	4 x 140	30	400
LDLIMP06X140120	6 x 140	30	120
LDLIMP06X140200	6 x 140	30	200
LDLIMP06X140400	6 x 140	30	400

## Lime Diamantate Coniche con impugnatura Kit Conical Diamond Hand Files Kit

Codice Code	Descrizione Description	Grana Grain	Composizione Composition
LKIT10LDLIMP	Kit composto da 10 lime diamantate lunghe con impugnatura a grane miste Kit with 10 Diamond long Hand Files, with mixed grains	mista mixed	n2-LDLIMP06X140120 n1-LDLIMP02X140200 n1-LDLIMP04X140120 n1-LDLIMP04X140400 n1-LDLIMP02X140120 n1-LDLIMP06X140400 n2-LDLIMP06X140200 n1-LDLIMP04X140200

## Lime Diamantate coniche con manico in acciaio Conical Diamond hand Files with steel haft



La particolare forma consente di raggiungere i punti particolarmente difficili.

This special shape allows you to reach narrow areas.

Codice Code	Dimensioni (mm) d x L Dimensions (mm) d x L	L1 (mm)	Grana Grain
LDL04X170MA120	4 x 170	50	120
LDL04X170MA120L1	4 x 170	50	120 su un solo lato/only on one side
LDL04X170MA200	4 x 170	50	200
LDL06X170MA120	6 x 170	50	120
LDL06X170MA120L1	6 x 170	50	120 su un solo lato/only on one side
LDL06X170MA200	6 x 170	50	200
LDL08X170MA120	8 x 170	50	120
LDL08X170MA120L1	8 x 170	50	120 su un solo lato/only on one side
LDL08X170MA200	8 x 170	50	200
LDL10X170MA120	10 x 170	50	120
LDL10X170MA120L1	10 x 170	50	120 su un solo lato/only on one side
LDL10X170MA200	10 x 170	50	200

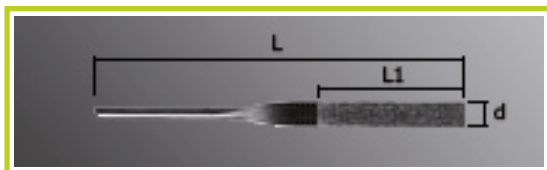
## Lime Diamantate coniche con manico in acciaio - Kit Conical Diamond hand Files with steel haft- Kit

Codice Code	Descrizione Description	Grana Grain	Composizione Composition
LKIT5LD170MA	Kit composta da 5 lime diamantate lunghe 170mm con manico in acciaio Kit with 5 Diamond hand files long 170mm with steel haft	mista mixed	n1-LDL10X170MA120 n1-LDL08X170MA120 n1-LDL06X170MA120 n1-LDL08X170MA200 n1-LDL04X170MA200
LKIT5LD170MA120	Kit composta da 5 lime diamantate lunghe 170mm con manico in acciaio grana 120 Kit with 5 Diamond hand files long 170mm with steel haft grain 120	120	n1-LDL10X170MA120 n2-LDL08X170MA120 n1-LDL06X170MA120 n1-LDL04X170MA120
LKIT5LD170MA200	Kit composta da 5 lime diamantate lunghe 170mm con manico in acciaio grana 200 Kit with 5 Diamond hand files long 170mm with steel haft grain 200	200	n1-LDL10X170MA200 n2-LDL08X170MA200 n1-LDL06X170MA200 n1-LDL04X170MA200
LKIT5LD170MA120L1	Kit composta da 5 lime diamantate lunghe 170mm con manico in acciaio grana 120 su un solo lato Kit with 5 Diamond hand files long 170mm with steel haft grain 120 only on one side	120	n1-LDL10X170MA120L1 n2-LDL08X170MA120L1 n1-LDL06X170MA120L1 n1-LDL04X170MA120L1



### Lime Diamantate Coniche Corte con gambo

#### Conical Short Diamond Files with handle



Codice Code	Dimensioni (mm) Dimensions (mm) d x L	L1 (mm)	∅ Gambo (mm) ∅ Handle (mm)	Grana Grain
LCD03X56120	3 x 56	15	3	120
LCD03X56200	3 x 56	15	3	200
LCD03X56400	3 x 56	15	3	400
LCD06X56120	6 x 56	15	3	120
LCD06X56200	6 x 56	15	3	200
LCD06X56400	6 x 56	15	3	400
LCD02X72120	2 x 72	25	3	120
LCD02X72200	2 x 72	25	3	200
LCD02X72400	2 x 72	25	3	400
LCD03X72120	3 x 72	25	3	120
LCD03X72120L1	3 x 72	25	3	120 su un solo lato/only on one side
LCD03X72200	3 x 72	25	3	200
LCD03X72200L1	3 x 72	25	3	200 su un solo lato/only on one side
LCD03X72400	3 x 72	25	3	400
LCD04X72120	4 x 72	25	3	120
LCD04X72200	4 x 72	25	3	200
LCD04X72400	4 x 72	25	3	400
LCD06X72120	6 x 72	25	3	120
LCD06X72120L1	6 x 72	25	3	120 su un solo lato/only on one side
LCD06X72200	6 x 72	25	3	200
LCD06X72200L1	6 x 72	25	3	200 su un solo lato/only on one side
LCD06X72400	6 x 72	25	3	400
LCD06X72400L1	6 x 72	25	3	400 su un solo lato/only on one side

## Lime Diamantate Coniche Corte con gambo- Kit Short Conical Diamond Files with handle- Kit

Codice Code	Descrizione Description	Grana Grain	Composizione Composition
LKIT10LDC	Kit compostoda 10lime diamantate coniche cortea granemiste Kit of 10 short conical Diamond Files with mixed grains	mista mixed	n1-LCD06X72120 n1-LCD06X72200 n1-LCD06X72400 n1-LCD04X72120 n1-LCD04X72200 n1-LCD04X72400 n1-LDC03X56120 n1-LDC03X56200 n1-LCD06X56120 n1-LCD06X56200
LKIT10LDC120	Kit compostoda 10lime diamantate coniche cortea grana 120 Kit of 10 short conical Diamond Files grain 120	120	n3-LCD06X72120 n3-LCD04X72120 n2-LDC03X56120 n2-LCD06X56120
LKIT10LDC200	Kit compostoda 10lime diamantate piatte coniche cortea grana 200 Kit of 10 short conical Diamond Files grain 200	200	n3-LCD06X72200 n3-LCD04X72200 n2-LDC03X56200 n2-LCD06X56200
LKIT10LDC400	Kit compostoda 10lime diamantate piatte coniche cortea grana 400 Kit of 10 short conical Diamond Files grain 400	400	n3-LCD06X72400 n3-LCD04X72400 n2-LDC03X56400 n2-LCD06X56400
LKIT10LDCL1	Kit compostoda 10lime diamantate coniche cortea granemista dispostasu un solo lato Kit of 10 short conical Diamond Files with mixed grain placed only on one side	mista su un solo lato mixed only on one side	n2-LCD06X72120L1 n2-LCD03X72120L1 n2-LDC03X72200L1 n2-LCD06X72200L1 n2-LCD06X72400L1

## Lime diamantate coniche corte con manico in acciaio Short conical Diamond hand files with steel haft



Codice Code	Dimensioni (mm) Dimensions (mm)	d x s d x s	L1	Grana Grain
LDL03PMA120	3 x 1-0,6		20	120
LDL03PMA200	3 x 1-0,6		20	200
LDL06PMA120	6 x 1-0,6		40	120
LDL06PMA200	6 x 1-0,6		40	200
LDL08PMA120	8 x 1-0,6		40	120
LDL08PMA200	8 x 1-0,6		40	200

## Lime diamantate gambo 4mm Diamond Files with 4mm handle

Codice Code	Dimensioni (mm) largh. x lungh. x diamante Dimensions (mm) Width x Length x diamond	Forma Shape	Sezione Section	Grana Grain
LDG4PIATT	8,50x200x65	piatta/flat		120
LDG4QUAD	8,50x200x65	quadra/square		120
LDG4TOND	8,50x200x65	tonda/round		120
LDG4SEMITOND	8,50x200x65	semitonda/half round		120
LDG4TRNG	8,50x200x65	triangolare/triangular		120

Adatte per essere montate sul PLF/Suitable to be assembled on PLF

## Manico per lime Haft for files

Codice Code	Descrizione Description
LMANICO03	Manico per lime diamantate con diametro del gambo 3mm Haft for diamond files with 3mm handle's diameter

## Lime diamantate tipo Refoils KIT Diamond Files Refoils Type KIT



Codice Code	Descrizione Description	Grana Grain	Lunghezza diamantatura (mm) Length of diamond surface (mm)	Lunghezza tot Tot lenght
LKITBF	Kit composto da 5 lime refloirs diamantate miste del tipo BF con manico Kit of 5 mixed Refoils Diamond Files, BF type with haft	120	30	140
LKITDBF	Kit composto da 5 lime refloirs diamantate miste del tipo DBF con diamantatura disposta ad entrambe le estremità Kit of 5 mixed Refoils Diamond Files DBF type with haft diamond surface on both extremities	120	20	140

## Lime diamantate KIT vari Diamond Files various KITS

Codice Code	Descrizione Description	Grana Grain	Lunghezza diamantatura (mm) Length of diamond surface (mm)	Lunghezza tot Tot length
LKIT5LDTR50	Kit compostoda 5 lime diamantate triangolari con impugnatura	150	50	140
LKIT5LDTR70	Kit of 5 triangular Diamond Files, with handgrip	150	70	140
LKIT5LDPIATT50	Kit compostoda 5 lime diamantate piatte con impugnatura	150	50	140
LKIT5LDPIATT70	Kit of 5 flat Diamond Files, with handgrip	150	70	140
LKIT5LDMISTO50	Kit compostoda 5 lime diamantate di diversa sezione (1 piatta, 1 semitonda, 1 tonda, 1 quadra, 1 triangolare) con impugnatura	120	50	140
LKIT5LDMISTO70	Kit of 5 Diamond Files with different sections (1 flat, 1 half round, 1 round, 1 squared, 1 triangular) with handgrip	150	70	140
LKIT5LD215	Kit compostoda 5 lime diamantate di diversa sezione (1 piatta, 1 semitonda, 1 tonda, 1 quadra, 1 triangolare) lunghe 215mm con impugnatura Kit of 5 Diamond Files with different sections (1 flat, 1 half round, 1 round, 1 squared, 1 triangular) with handgrip, 215mm long	120	70	215

## Mole diamantate - Diamond Grindstones

### Tipo A cilindriche - Type A cylindrical



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD10A	1	3	150
LMD15A	1,5	3	150
LMD20A	2	3	150
LMD25A	2,5	3	150
LMD30A	3	3	120
LMD40A	4	3	120
LMD50A	5	3	120
LMD60A	6	3	120

### Tipo C raggiate a testa sferica - Type C rayed with spherical head



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD20C	2	3	150
LMD30C	3	3	120
LMD40C	4	3	120
LMD50C	5	3	120
LMD60C	6	3	120
LMD70C	7	3	120

### Tipo D sferiche - Type D spherical



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD1D	1	3	150
LMD2D	2	3	150
LMD3D	3	3	120
LMD4D	4	3	120
LMD5D	5	3	120
LMD6D	6	3	120

### Tipo R coniche a testa raggiata - Type R conical with rayed head



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD31R	3,3> 1	3	120
LMD32R	3,3> 2	3	120

## Tipo T coniche - Type T conical



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD3T	3°	3	150
LMD7T	7°	3	150
LMD10T	10°	3	150

## Tipo AR cilindriche a testa raggiata - Type AR cylindrical with rayed head



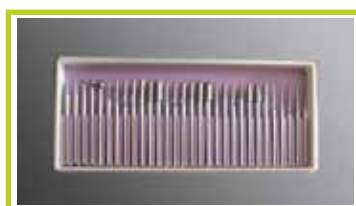
Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD15AR	1,5	3	150
LMD20AR	2	3	150
LMD25AR	2,5	3	150
LMD30AR	3	3	120
LMD40AR	4	3	120
LMD50AR	5	3	120
LMD60AR	6	3	120

## Tipo LA tronco coniche - Type LA conical trunk



Codice Code	Dimensioni (mm) d Dimensions (mm) d	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMD210AL	2 > 1	3	150
LMD310AL	3 > 2	3	120

## Mole diamantate KIT - Diamond Grindstones KIT





Codice Code	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)	Grana Grain	Composizione Composition
LKIT30MD	Kit composta da 30 mole diamantate Kit of 30 Diamond Grindstones	3	mista mixed	n1-LMD10A n1-LMD15A n1-LMD25A n1-LMD20A n1-LMD30A n1-LMD40A n1-LMD50A n1-LMD1D n1-LMD2D n1-LMD3D n1-LMD4D n1-LMD5D n1-LMD20C n1-LMD30C n1-LMD40C n1-LMD50C n1-LMD3T n2-LMD7T n1-LMD10T n1-LMD31R n1-LMD32R n1-LMD15AR n1-LMD20AR n1-LMD25AR n1-LMD30AR n1-LMD40AR n1-LMD50AR n1-LMD310LA n1-LMD320LA

## Frese in metallo duro - Hard metal Milling Cutters

L'elevata qualità del materiale abbinata ad un elevato numero di giri in fase di utilizzo garantiscono un'elevata asportazione. Le due differenti tipologie di taglio disponibili, rendono le frese adatte ad ogni utilizzo.

The high quality material combined with high number of rounds during the use, assure really efficient excising performance. The two different kinds available, make this product suitable to every kind of use.

Caratteristiche dei due tipi di taglio - Characteristics of the two types of cut		
<b>Taglio 5</b> Cut 5 	indicato per un uso generico è caratterizzato da un tagliente destrorso disegnato per garantire una rapida asportazione e una buona finitura.	designated for generic use, featured by a right side cutting, designed to assure a fast excising and good finishing .
<b>Taglio 6</b> Cut 6 	unisce ai tagli standard tagli sinistrorsi che ne aumentano così la capacità di asportazione.	combined with right side cuts, there are also left side cuts that increase the cutting performance.

### Indicazioni per l'ordine - Instructions to purchase order:

Inserire al posto dell'asterisco in coda al codice il numero del taglio desiderato.

Es: LMMD4015/5 = Fresa metallo duro LMMD4015 con tagliente del tipo 5

LMMD4015/6 = Fresa metallo duro LMMD4015 con tagliente del tipo 6

Put desired "Cut Number" on the place of "\*"

Ex: LMMD4015/5 = Diamond grindstone LMMD4015 with Cut 5.

LMMD4015/6 = Diamond grindstone LMMD4015 with Cut 6.

- = Disponibile in magazzino - In stock
- = Disponibile a richiesta - Available upon demand
- = Non disponibile - Not available

### Tipo 40 cilindriche - Type 40 cylindrical



Codice Codice	Dimensioni fresa (mm) Dimensions cutters (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4015/*	1,5	3	●	-
LMMD4020/*	2	3	●	-
LMMD4033/*	3	3	●	○
LMMD4043/*	4	3	●	●
LMMD4053/*	5	3	●	●
LMMD4063/*	6	3	●	●

### Tipo 40 ST cilindriche a testa dentata - Type 40 ST cylindrical with cogged head



Codice Codice	Dimensioni fresa (mm) Dimensions cutters (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4015ST/*	1,5	3	●	-
LMMD4020ST/*	2	3	●	-
LMMD4033ST/*	3	3	●	○
LMMD4043ST/*	4	3	●	○
LMMD4053ST/*	5	3	●	○
LMMD4063ST/*	6	3	●	○

### Tipo 41 cilindriche a testa raggiata - Type 41 cylindrical with rayed head



Codice Codice	Dimensioni fresa (mm) Dimensions cutters (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4115/*	1,5	3	●	-
LMMD4120/*	2	3	●	-
LMMD4133/*	3	3	●	●
LMMD4143/*	4	3	●	●
LMMD4153/*	5	3	●	●
LMMD4163/*	6	3	●	●

### Tipo 42 coniche a testa raggiata - Type 42 conical with rayed head



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	∅ Gambo (mm) ∅ Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4233/*	3	3	•	◦
LMMD4243/*	4	3	•	•
LMMD4253/*	5	3	•	•
LMMD4263/*	6	3	•	•

### Tipo 43 raggiate a testa ellittica - Type 43 rayed with elliptical head



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	∅ Gambo (mm) ∅ Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4333/*	3	3	•	◦
LMMD4343/*	4	3	•	•
LMMD4353/*	5	3	•	•
LMMD4363/*	6	3	•	•

### Tipo 44 raggiate con testa a punta - Type 44 rayed with point head



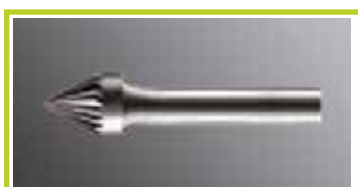
Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	∅ Gambo (mm) ∅ Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4433/*	3	3	•	◦
LMMD4443/*	4	3	•	•
LMMD4453/*	5	3	•	•
LMMD4463/*	6	3	•	•

### Tipo 45 coniche - Type 45 conical



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	∅ Gambo (mm) ∅ Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4533/*	3	3	•	◦
LMMD4543/*	4	3	•	•
LMMD4553/*	5	3	•	•
LMMD4563/*	6	3	•	•

### Tipo 46 svasata a 90° - Type 46 90° countersunk



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	∅ Gambo (mm) ∅ Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4633-90/*	3	3	•	◦
LMMD4643-90/*	4	3	•	◦
LMMD4653-90/*	5	3	•	◦
LMMD4663-90/*	6	3	•	◦

Esempio di ordinativo: Codice  
Example of purchasing order: Code



## Tipo 47 ellittiche - Type 47 elliptical



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4733/*	3	3	●	○
LMMD4743/*	4	3	●	●
LMMD4753/*	5	3	●	●
LMMD4763/*	6	3	●	●

## Tipo 48 sferiche - Type 48 spherical



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4815/*	1,5	3	●	-
LMMD4820/*	2	3	●	-
LMMD4833/*	3	3	●	○
LMMD4843/*	4	3	●	○
LMMD4853/*	5	3	●	○
LMMD4863/*	6	3	●	○

## Tipo 49 cono rovesciato - Type 49 reversed Cone



Codice Code	Dimensioni fresa (mm) Dimensions cutter (mm)	Ø Gambo (mm) Ø Handle (mm)	Taglio 5 Cut 5	Taglio 6 Cut 6
LMMD4933/*	3	3	●	○
LMMD4943/*	4	3	●	○
LMMD4953/*	5	3	●	○
LMMD4963/*	6	3	●	○

## Frese in metallo duro KIT - Hard Metal Milling Cutters KIT



Codice Code	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)	Taglio Cut	Composizione Composition
LKITMDD5	Kit compostoda 10frese in metallo duro Kit of 10 hard metal Milling Cutters	3	5	n1-LMMD4033 n1-LMMD4133 n1-LMMD4233 n1-LMMD4333 n1-LMMD4433 n1-LMMD4533 n1-LMMD4633 n1-LMMD4733 n1-LMMD4833 n1-LMMD4933
LKITMDD6	Kit compostoda 10frese in metallo duro Kit of 10 hard metal Milling Cutters	3	6	n1-LMMD4053 n1-LMMD4153 n1-LMMD4253 n1-LMMD4353 n1-LMMD4453 n1-LMMD4553 n1-LMMD4653-90 n1-LMMD4753 n1-LMMD4853 n1-LMMD4953

## Pietre Ceramiche - Ceramic Stones

Pietra costituita da fibre ceramiche immerse in una resina speciale che le rende estremamente flessibili e resistenti al calore. Possono essere usate sia manualmente che montate sui vari attrezzi. Ideale per l'utilizzo in spazi ristretti.

Stones made of ceramic fiber dipped to a special resin that makes them extremely flexible and resistant to heat. They can be used manually or assembled on proper tools. Ideal to be used in narrow areas.

### Rettangolari - Rectangular



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color		Grana Grain
LSLS0304	0,3 x 4 x 100	Marronescuro	Dark Brown	220
LSB0304	0,3 x 4 x 100	Blu	Blue	800
LSR0304	0,3 x 4 x 100	Rosso	Red	1200
LSLS0504	0,5 x 4 x 100	Marronescuro	Dark Brown	220
LSL0504	0,5 x 4 x 100	Marrone	Brown	300
LSB0504	0,5 x 4 x 100	Blu	Blue	800
LSR0504	0,5 x 4 x 100	Rosso	Red	1200
LSLS101	1 x 1 x 100	Marronescuro	Dark Brown	220
LSB101	1 x 1 x 100	Blu	Blue	800
LSR101	1 x 1 x 100	Rosso	Red	1200
LSLS015015	1,5 x 1,5 x 100	Marronescuro	Dark Brown	220
LSB015015	1,5 x 1,5 x 100	Blu	Blue	800
LSR015015	1,5 x 1,5 x 100	Rosso	Red	1200
LSV104	1 x 4 x 100	Viola	Purple	120
LSLS104	1 x 4 x 100	Marronescuro	Dark Brown	220
LSL104	1 x 4 x 100	Marrone	Brown	300
LSO104	1 x 4 x 100	Arancio	Orange	400
LSP104	1 x 4 x 100	Nero	Black	600
LSB104	1 x 4 x 100	Blu	Blue	800
LSW104	1 x 4 x 100	Bianco	White	1000
LSR104	1 x 4 x 100	Rosso	Red	1200
LSV106	1 x 6 x 100	Viola	Purple	120
LSLS106	1 x 6 x 100	Marronescuro	Dark Brown	220
LSL106	1 x 6 x 100	Marrone	Brown	300
LSO106	1 x 6 x 100	Arancio	Orange	400
LSP106	1 x 6 x 100	Nero	Black	600
LSB106	1 x 6 x 100	Blu	Blue	800
LSW106	1 x 6 x 100	Bianco	White	1000
LSR106	1 x 6 x 100	Rosso	Red	1200
LSV110	1 x 10 x 100	Viola	Purple	120
LSLS110	1 x 10 x 100	Marronescuro	Dark Brown	220
LSL110	1 x 10 x 100	Marrone	Brown	300
LSO110	1 x 10 x 100	Arancio	Orange	400
LSP110	1 x 10 x 100	Nero	Black	600
LSB110	1 x 10 x 100	Blu	Blue	800
LSW110	1 x 10 x 100	Bianco	White	1000
LSR110	1 x 10 x 100	Rosso	Red	1200
LSLS202	2 x 2 x 100	Marronescuro	Dark Brown	220
LSL202	2 x 2 x 100	Marrone	Brown	300
LSB202	2 x 2 x 100	Blu	Blue	800
LSR202	2 x 2 x 100	Rosso	Red	1200

Codice Code	Dimensioni (mm) alt. x largh. x lungh.	Colore Color		Grana Grain
	Dimensions (mm) Height x Width x Length			
LSV204	2 x 4 x 100	Viola	Purple	120
LSSL204	2 x 4 x 100	Marronescuro	Dark Brown	220
LSL204	2 x 4 x 100	Marrone	Brown	300
LSO204	2 x 4 x 100	Arancio	Orange	400
LSB204	2 x 4 x 100	Blu	Blue	800
LSV206	2 x 6 x 100	Viola	Purple	120
LSSL206	2 x 6 x 100	Marronescuro	Dark Brown	220
LSL206	2 x 6 x 100	Marrone	Brown	300
LSO206	2 x 6 x 100	Arancio	Orange	400
LSB206	2 x 6 x 100	Blu	Blue	800
LSV210	2 x 10 x 100	Viola	Purple	120
LSSL210	2 x 10 x 100	Marronescuro	Dark Brown	220
LSL210	2 x 10 x 100	Marrone	Brown	300
LSO210	2 x 10 x 100	Arancio	Orange	400
LSB210	2 x 10 x 100	Blu	Blue	800

### A sezione circolare - Circular Section



Codice Code	Dimensioni (mm) Ø x lungh.	Colore Colors		Grana Grain
	Dimensions (mm) Ø x length			
LSL1X50	1 x 50	Marrone	Brown	300
LSB1X50	1 x 50	Blu	Blue	800
LSR2X50	1 x 50	Rosso	Red	1200
LSL2X50	2 x 50	Marrone	Brown	300
LSB2X50	2 x 50	Blu	Blue	800
LSR2X50	2 x 50	Rosso	Red	1200
LSL235X50	2,35 x 50	Marrone	Brown	300
LSB235X50	2,35 x 50	Blu	Blue	800
LSR235X50	2,35 x 50	Rosso	Red	1200
LSG3X50	3 x 50	Grigio	Grey	220
LSL3X50	3 x 50	Marrone	Brown	300
LSO3X50	3 x 50	Arancio	Orange	400
LSB3X50	3 x 50	Blu	Blue	800
LSW3X50	3 x 50	Bianco	White	1000
LSR3X50	3 x 50	Rosso	Red	1200
LSG3X100	3 x 100	Grigio	Grey	220
LSL3X100	3 x 100	Marrone	Brown	300
LSO3X100	3 x 100	Arancio	Orange	400
LSB3X100	3 x 100	Blu	Blue	800
LSW3X100	3 x 100	Bianco	White	1000
LSR3X100	3 x 100	Rosso	Red	1200

## **Pietre ceramiche per ultrasuoni** Ceramic stones for ultrasonic works

Pietra ceramica specifica per l'utilizzo con macchine ad ultrasuoni data l'elevata resistenza al calore.  
Ceramic stone specifically created to be used for ultrasonic works due to high resistance to heat.

Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x length	Colore Colors	Grana Grain
LSV104D	1 x 4 x 100	Viola Purple	120
LSLS104D	1 x 4 x 100	Marronescuro Dark Brown	220
LSB104D	1 x 4 x 100	Blu Blue	800
LSR104D	1 x 4 x 100	Rosso Red	1200
LSV106D	1 x 6 x 100	Viola Purple	120
LSLS106D	1 x 6 x 100	Marronescuro Dark Brown	220
LSB106D	1 x 6 x 100	Blu Blue	800
LSR106D	1 x 6 x 100	Rosso Red	1200
LSV110D	1 x 10 x 100	Viola Purple	120
LSLS110D	1 x 10 x 100	Marronescuro Dark Brown	220
LSB110D	1 x 10 x 100	Blu Blue	800
LSR110D	1 x 10 x 100	Rosso Red	1200

## Pietre Star - Star stones

Pietra ideale per pezzi di forma sagomata.  
Ideal for pieces of outlined form.



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color	Grana Grain
LPS3X06X150120	3 x 6 x 150	marrone brown	120
LPS3X06X150180	3 x 6 x 150	marrone brown	180
LPS3X06X150220	3 x 6 x 150	marrone brown	220
LPS3X06X150320	3 x 6 x 150	marrone brown	320
LPS3X06X150400	3 x 6 x 150	marrone brown	400
LPS3X06X150600	3 x 6 x 150	marrone brown	600
LPS3X06X150800	3 x 6 x 150	marrone brown	800
LPS3X06X1501200	3 x 6 x 150	marrone brown	1200
LPS3X13X150120	3 x 13 x 150	marrone brown	120
LPS3X13X150180	3 x 13 x 150	marrone brown	180
LPS3X13X150220	3 x 13 x 150	marrone brown	220
LPS3X13X150320	3 x 13 x 150	marrone brown	320
LPS3X13X150400	3 x 13 x 150	marrone brown	400
LPS3X13X150600	3 x 13 x 150	marrone brown	600
LPS3X13X150800	3 x 13 x 150	marrone brown	800
LPS3X13X1501200	3 x 13 x 150	marrone brown	1200
LPS6X06X150120	6 x 6 x 150	marrone brown	120
LPS6X06X150180	6 x 6 x 150	marrone brown	180
LPS6X06X150220	6 x 6 x 150	marrone brown	220
LPS6X06X150320	6 x 6 x 150	marrone brown	320
LPS6X06X150400	6 x 6 x 150	marrone brown	400
LPS6X06X150600	6 x 6 x 150	marrone brown	600
LPS6X06X150800	6 x 6 x 150	marrone brown	800
LPS6X06X1501200	6 x 6 x 150	marrone brown	1200
LPS6X13X150120	6 x 13 x 150	marrone brown	120
LPS6X13X150180	6 x 13 x 150	marrone brown	180
LPS6X13X150220	6 x 13 x 150	marrone brown	220
LPS6X13X150320	6 x 13 x 150	marrone brown	320
LPS6X13X150400	6 x 13 x 150	marrone brown	400
LPS6X13X150600	6 x 13 x 150	marrone brown	600
LPS6X13X150800	6 x 13 x 150	marrone brown	800
LPS6X13X1501200	6 x 13 x 150	marrone brown	1200
LPS6X25X150120	6 x 25 x 150	marrone brown	120
LPS6X25X150180	6 x 25 x 150	marrone brown	180
LPS6X25X150220	6 x 25 x 150	marrone brown	220
LPS6X25X150320	6 x 25 x 150	marrone brown	320
LPS6X25X150400	6 x 25 x 150	marrone brown	400
LPS6X25X150600	6 x 25 x 150	marrone brown	600
LPS6X25X1501200	6 x 25 x 150	marrone brown	1200

## Pietre super - Super stones

Pietra con uno speciale legante molto tenero. Tagliano velocemente e non si intasano. Sono ideali per finiture su acciai non durissimi; sono facili da sagomare e seguono bene il profilo del pezzo.

Stone with special and extreme soft binder. Fast cutting without blocking.

Ideal for finishing works on not so hard steels; easy to be outlined, they can easily follow the piece's profile.



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color	Grana Grain
LSU3X06X150120	3 x 6 x 150	grigio/verde grey/green	120
LSU3X06X150180	3 x 6 x 150	grigio/verde grey/green	180
LSU3X06X150220	3 x 6 x 150	grigio/verde grey/green	220
LSU3X13X150100	3 x 13 x 150	grigio/verde grey/green	100
LSU3X13X150120	3 x 13 x 150	grigio/verde grey/green	120
LSU3X13X150180	3 x 13 x 150	grigio/verde grey/green	180
LSU3X13X150220	3 x 13 x 150	grigio/verde grey/green	220
LSU8X08X150100	8 x 8 x 150	grigio/verde grey/green	100
LSU8X08X150120	8 x 8 x 150	grigio/verde grey/green	120
LSU8X08X150180	8 x 8 x 150	grigio/verde grey/green	180
LSU8X08X150220	8 x 8 x 150	grigio/verde grey/green	220
LSU6X13X150100	6 x 13 x 150	grigio/verde grey/green	100
LSU6X13X150120	6 x 13 x 150	grigio/verde grey/green	120
LSU6X13X150180	6 x 13 x 150	grigio/verde grey/green	180
LSU6X13X150220	6 x 13 x 150	grigio/verde grey/green	220
LSU15X25X150100	15 x 25 x 150	grigio/verde grey/green	100
LSU15X25X150120	15 x 25 x 150	grigio/verde grey/green	120
LSU15X25X150180	15 x 25 x 150	grigio/verde grey/green	180
LSU15X25X150220	15 x 25 x 150	grigio/verde grey/green	220
LSU20X40X150120	20 x 40 x 150	grigio/verde grey/green	120
LSU20X40X150220	20 x 40 x 150	grigio/verde grey/green	220
LSU6X25X200120	6 x 25 x 200	grigio/verde grey/green	120
LSU6X25X200220	6 x 25 x 200	grigio/verde grey/green	220
LSU13X25X200120	13 x 25 x 200	grigio/verde grey/green	120
LSU13X25X200220	13 x 25 x 200	grigio/verde grey/green	220

## Pietre EDM soft - EDM stones soft

Pietra ideale per superfici elettroerose.

Asporta velocemente la pellicola dura dell'elettrocorrosione pur mantenendo la forma

Ideal stone for electrical discharged machined surfaces.

It removes easily the hard EDM film, featured by low wear (long life).



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color	Grana Grain
LPEDMS3X06X150120	3 x 6 x 150	arancio orange	120
LPEDMS3X06X150180	3 x 6 x 150	arancio orange	180
LPEDMS3X06X150220	3 x 6 x 150	arancio orange	220
LPEDMS3X06X150320	3 x 6 x 150	arancio orange	320
LPEDMS3X13X150120	3 x 13 x 150	arancio orange	120
LPEDMS3X13X150180	3 x 13 x 150	arancio orange	180
LPEDMS3X13X150220	3 x 13 x 150	arancio orange	220
LPEDMS3X13X150320	3 x 13 x 150	arancio orange	320
LPEDMS6X06X150120	6 x 6 x 150	arancio orange	120
LPEDMS6X06X150180	6 x 6 x 150	arancio orange	180
LPEDMS6X06X150220	6 x 6 x 150	arancio orange	220
LPEDMS6X06X150320	6 x 6 x 150	arancio orange	320
LPEDMS6X13X150120	6 x 13 x 150	arancio orange	120
LPEDMS6X13X150180	6 x 13 x 150	arancio orange	180
LPEDMS6X13X150220	6 x 13 x 150	arancio orange	220
LPEDMS6X13X150320	6 x 13 x 150	arancio orange	320

## Pietre EDM hard - EDM stones hard

Più dura del tipo EDM Soft, Si consuma lentamente e resiste a forti carichi.

E' utilizzata principalmente con limatrici del tipo PLF88

Harder than EDM Soft Stones, long life product, it can resist to heavy loads.

Used mainly with "PLF88" filer.



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color	Grana Grain
LPEDM3X06X150120	3 x 6 x 150	rosso red	120
LPEDM3X06X150180	3 x 6 x 150	rosso red	180
LPEDM3X06X150220	3 x 6 x 150	rosso red	220
LPEDM3X13X150120	3 x 13 x 150	rosso red	120
LPEDM3X13X150180	3 x 13 x 150	rosso red	180
LPEDM3X13X150220	3 x 13 x 150	rosso red	220
LPEDM6X06X150120	6 x 6 x 150	rosso red	120
LPEDM6X06X150180	6 x 6 x 150	rosso red	180
LPEDM6X06X150220	6 x 6 x 150	rosso red	220
LPEDM6X13X150120	6 x 13 x 150	rosso red	120
LPEDM6X13X150180	6 x 13 x 150	rosso red	180
LPEDM6X13X150220	6 x 13 x 150	rosso red	220

## Pietre oil - Oil stones

Pietra compatta che mantiene bene la forma.

E' ideale per l'utilizzo su spigoli, piani e zone difficili da raggiungere

Compact stone, with low wear (long life) . It can be easily outlined to give it the shape you desire.

Ideal to be used on edges, flat surfaces and narrow areas.



Codice Code	Dimensioni (mm) alt. x largh. x lungh. Dimensions (mm) Height x Width x Length	Colore Color	Grana Grain
LPO3X06X150120	3 x 6 x 150	bianco white	120
LPO3X06X150180	3 x 6 x 150	bianco white	180
LPO3X06X150220	3 x 6 x 150	bianco white	220
LPO3X06X150320	3 x 6 x 150	bianco white	320
LPO3X06X150400	3 x 6 x 150	bianco white	400
LPO3X06X150600	3 x 6 x 150	bianco white	600
LPO3X06X1501200	3 x 6 x 150	bianco white	1200
LPO3X13X150220	3 x 13x 150	bianco white	220
LPO3X13X150320	3 x 13x 150	bianco white	320
LPO3X13X150400	3 x 13x 150	bianco white	400
LPO3X13X150600	3 x 13x 150	bianco white	600
LPO3X13X1501200	3 x 13x 150	bianco white	1200
LPO6X06X150600	6 x 6 x 150	bianco white	600
LPO6X06X1501200	6 x 6 x 150	bianco white	1200
LPO6X13X150180	6 x 13x 150	bianco white	180
LPO6X13X150220	6 x 13x 150	bianco white	220
LPO6X13X150320	6 x 13x 150	bianco white	320
LPO6X13X150400	6 x 13x 150	bianco white	400
LPO6X13X150600	6 x 13x 150	bianco white	600
LPO6X13X1501200	6 x 13x 150	bianco white	1200



## Pietre White - White stones

Pietra per finiture speciali, se usata bagnata non riga la superficie.

Come passaggio successivo alla grana 3000 si può utilizzare direttamente la pasta diamantata.

Stone for special finishing works. If used wet it doesn't line the surface.

After using the 3000 grain stone, we suggest to use directly the diamond paste.



Codice Code	Dimensioni (mm) alt. x largh. x lungh.	Colore Color	Grana Grain
	Dimensions (mm) Height x Width x Length		
LPW3X06X1502000	3 x 6 x 150	Bianco White	2000
LPW3X06X1503000	3 x 6 x 150	Bianco White	3000
LPW3X13X1502000	3 x 13 x 150	Bianco White	2000
LPW3X13X1503000	3 x 13 x 150	Bianco White	3000
LPW6X06X1502000	6 x 6 x 150	Bianco White	2000
LPW6X06X1503000	6 x 6 x 150	Bianco White	3000
LPW6X13X1502000	6 x 13 x 150	Bianco White	2000
LPW6X13X1503000	6 x 13 x 150	Bianco White	3000
LPW6X25X1502000	6 x 25 x 150	Bianco White	2000
LPW6X25X1503000	6 x 25 x 150	Bianco White	3000

## Pietre doppia grana - Double grain stones

Pietra con grana diversa a seconda della faccia.

Ideale per passaggi manuali sui piani delle macchine utensili e per la sbavatura dei pezzi.

Stone with different grain apiece to the surface.

Ideal for manual use on tools surfaces and perfect against pieces of deburring.



Codice Code	Dimensioni (mm) alt. x largh. x lungh.	Colore Color	Grana Grain
	Dimensions (mm) Height x Width x Length		
LPIE2550150	25 x 50 x 150	Grigio/Arancio Grey/Orange	150/320
LPIE2550150V	25 x 50 x 150	Grigio/Verde Grey/Green	120/220
LPIE2550175	25 x 50 x 175	Grigio/Arancio Grey/Orange	150/320
LPIE2550200	25 x 50 x 200	Grigio/Arancio Grey/Orange	150/320

## Mole abrasive rubino - Ruby abrasive grindstones

Mole di buona durata e di altrettanto buona capacità di taglio nella lavorazione degli acciai.

Mantiene bene la propria forma.

Good resistance grindstones with really good cutting performance in steels machining.

It keeps good its original shape.

### Cilindriche - Cylindrical



Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Dim. Gambo Ø x lungh.(mm) Ø Handle (mm) x Length	Grana Grain
LML0206G3RU	2 x 6	3	100
LML0307G3RU	3 x 7	3	100
LML0408G3RU	4 x 8	3	100
LML0510G3RU	5 x 10	3	100
LML0610G3RU	6 x 10	3	80
LML0812G3RU	8 x 12	3	80
LML1012G3RU	10 x 12	3	80
LML1212G3RU	12 x 12	3	80
LML1515G3RU	15 x 20	3	60
LML2006G3RU	20 x 06	3	80
LML0307G3RUL70	3 x 7	3 x 70	100
LML0208G3RUL70	4 x 8	3 x 70	100
LML0610G3RUL70	6 x 10	3 x 70	100
LML03508G3RUL100	3,5 x 8	3 x 100	100
LML0510G3RUL100	5 x 10	3 x 100	100
LML1525G6RU	15 x 25	6	60
LML3010G6RU	30 x 10	6	60
LML3030G6RU	30 x 30	6	46
LML4010G6RU	40 x 10	6	46

### Sferiche - Spherical

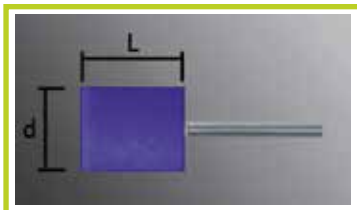


Codice Code	Dimensioni (mm) Ø Dimensions (mm) Ø	Gambo Ø (mm) Ø Handle (mm)	Grana Grain
LMLSFO5G3RU	5	3	100
LMLSFO6G3RU	6	3	100
LMLSFO8G3RU	8	3	100
LMLSF10G3RU	10	3	100

## Mole abrasive BLU - BLUE Abrasive grindstones

Mole indicate per un uso su materiali duri e temprati. Tagliano bene e tengono bene la forma.

To be used on hard and carburized (hardened) materials. They cut really good and keep their original shape.



Codice Code	Dimensioni (mm) $\emptyset$ Dimensions (mm) $\emptyset$	Gambo $\emptyset$ (mm) $\emptyset$ Handle (mm)	Grana Grain
LML0206G3BLU	2 x 6	3	120
LML0307G3BLU	3 x 7	3	120
LML0408G3BLU	4 x 8	3	120
LML0510G3BLU	5 x 10	3	120
LML0610G3BLU	6 x 10	3	120
LML0812G3BLU	8 x 12	3	100
LML1012G3BLU	10 x 12	3	100
LML2003G3BLU	20 x 03	3	100
LML0307G3BLUL70	3 x 7	3 x 70	120
LML0208G3BLUL70	4 x 8	3 x 70	120
LML0610G3BLUL70	6 x 10	3 x 70	120

## Mole abrasive KIT - Abrasive Grindstones KIT

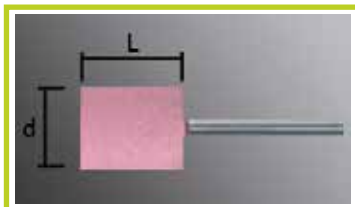
Codice Code	Descrizione Description	Gambo $\emptyset$ Handle $\emptyset$
LKIT100G3	Kit compostoda 100mole abrasive di colore blu e di colore rubino nei diametri 10,8, 6, 4, 3 (mm) Kit of 100 abrasive BLUE and RUBY grindstones; diameters 10, 8, 6,4, 3 (mm)	3

## Mole abrasive rosa - Pink abrasive grindstones

Mole di uso generico. Ottima asportazione.

Grindstones for generic use. Perfect excising performance.

### Cilindriche - Cylindrical



Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LML0206G3RO	2 x 6	3	100
LML0307G3RO	3 x 7	3	100
LML0408G3RO	4 x 8	3	100
LML0510G3RO	5 x 10	3	100
LML0610G3RO	6 x 10	3	100
LML0812G3RO	8 x 12	3	80
LML1012G3RO	10 x 12	3	80
LML1212G3RO	12 x 12	3	80
LML1020G6RO	10 x 20	6	80
LML1620G6RO	16 x 20	6	60
LML2020G6RO	20 x 20	6	60
LML2525G6RO	25 x 25	6	60
LML3030G6RO	30 x 30	6	46

## Mole abrasive arancio - Orange abrasive grindstones

Mole con formato speciale. Permettono di lavorare con una grande superficie di contatto.

Hanno un buon grado di finitura.

Grindstones with special size. They allow you to work on wide surfaces.

Good finishing work performance.

### Cilindriche - Cylindrical



Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LML03X11AR	3 x 11	3	120
LML04X14AR	4 x 14	3	120
LML06X16AR	6 x 16	3	120
LML08X18AR	8 x 18	3	100
LML10X20AR	10 x 20	3	100

### Ogive - Ogive

LML6x16B52AR	6 x 16	3	120
LML8x18B52AR	8 x 18	3	100
LML10x20B52AR	10 x 20	3	100

## Mole abrasive bianche - White abrasive grindstones

Mole adatte per operazioni di sgrossatura caratterizzate da un' elevata capacità di asportazione. Il tipo con grana extrafine (320) tiene bene la forma e lascia la superficie estremamente levigata.

Suitable for roughing works, featured by really high excising performance. The kind with extra fine grain (320) keeps good its original shape and makes the surface extremely flattened.

### Cilindriche - Cylindrical



Codice Code	Dimensioni (mm) ∅ x lungh. Dimensions (mm) ∅ x Length	∅ Gambo (mm) ∅ Handle (mm)	Grana Grain
LML0307G3BI	3 x 7	3	80
LML0408G3BI	4 x 8	3	80
LML0510G3BI	5 x 10	3	80
LML0610G3BI	6 x 10	3	60
LML0812G3BI	8 x 12	3	60
LML1012G3BI	10 x 12	3	60
LML12X12BI	12 x 12	3	60
LML0408G3BI/320	4 x 8	3	320
LML0610G3BI/320	6 x 10	3	320
LML1012G3BI/320	10 x 12	3	320

### Ogive - Ogive

LML6x16B52/320	6 x 16	3	320
LML8X18B52/320	8 x 18	3	320
LML10X20B52/320	10 x 20	3	320

### Sferiche - Spherical



Codice Code	Dimensioni (mm) ∅ Dimensions (mm) ∅	∅ Gambo (mm) ∅ Handle (mm)	Grana Grain
LMLSFO6G3LBI	6	3(L=60mm)	80
LMLSFO8G3LBI	8	3(L=60mm)	80

## Mole in gomma - Rubber Grindstones

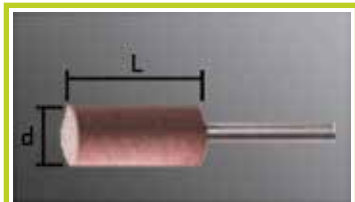
Ideali per lavori di preparazione alla lucidatura.

Sono caratterizzate da una elevata asportazione ed una finitura piuttosto morbida.

Ideal for preparation of following polishing works.

Featured by high level excising performance and rather soft finishing performance.

### Cilindriche media qualità - Cylindrical middle quality



Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Dim. Gambo Ø x lungh.(mm) Handle dim. Ø x Length(mm)	Grana Grain
LMG4/180	4 x 10	3 x 40	180
LMG5/180	5 x 10	3 x 40	180
LMG6/180	6 x 10	3 x 40	180
LMG8/180	8 x 10	3 x 40	180
LMG10/180	10 x 10	3 x 40	180
LMG8X13/180	8 x 13	3 x 40	180
LMG10X15/180	10 x 15	3 x 40	180
LMG6/180L	6 x 10	3 x 60	180
LMG8/180L	8 x 10	3 x 60	180
LMG10/180L	10 x 10	3 x 60	180

### Cilindriche alta qualità - Cylindrical high quality

Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Dim. Gambo Ø x lungh.(mm) Handle dim. Ø x Length(mm)	Grana Grain
LMG04X08GR120POL	4 x 8	3	120
LMG06X10GR120POL	6 x 10	3	120
LMG08X10GR120POL	8 x 12	3	120
LMG10X10GR120POL	10 x 10	3	120
LMG10X15GR120POL	10 x 15	3	120

### Sferiche - Spherical



Codice Code	Dimensioni (mm) Ø x lungh. Dimensions (mm) Ø x Length	Dim. Gambo Ø x lungh.(mm) Handle dim. Ø x Length(mm)	Grana Grain
LMG05SFR	5	3	180
LMG06SFR	6	3	180
LMG08SFR	8	3	180
LMG10SFR	10	3	180

## Mole in cuoio - Leather Grindstones

Mole di buona durata. Ideali per lavorazioni di finitura.

Good duration grindstones. Ideal for finishing works.

### Media qualità - Middle quality



Codice Code	Dimensioni (mm) d x L Dimensions (mm) d x L	Ø Gambo (mm) Ø Handle (mm)
LMC04	4 x 8	3
LMC05	5 x 10	3
LMC06	6 x 10	3
LMC08	8 x 10	3
LMC10	10 x 10	3

### Alta qualità - High quality

Codice Code	Dimensioni (mm) d x L Dimensions (mm) d x L	Ø Gambo (mm) Ø Handle (mm)	Grana Grain
LMC04X10GR120POL	4X10	3	120
LMC06X10GR120POL	6X10	3	120
LMC08X12GR120POL	8X12	3	120
LMC10X10GR120POL	10X10	3	120
LMC10X15GR120POL	10X15	3	120

## Rotoli - Rolls

Estremamente versatili. Ideali per un utilizzo manuale.

Extremely versatile. Ideal for manual use.



Codice Codice	Dimensioni (mm) larg. x lungh. Dimensions (mm) Width x Length	Grana Grain
LTELAEAF5050060	50x 50000	60
LTELAEAF5050080	50x 50000	80
LTELAEAF5050100	50x 50000	100
LTELAEAF5050120	50x 50000	120
LTELAEAF5050150	50x 50000	150
LTELAEAF5050180	50x 50000	180
LTELAEAF5050220	50x 50000	220
LTELAEAF5050240	50x 50000	240
LTELAEAF5050320	50x 50000	320
LTELAEAF5050400	50x 50000	400
LTELAEAF5050600	50x 50000	600

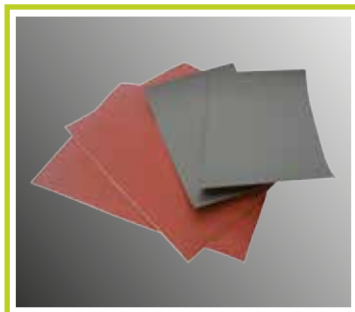


### Fogli - Foils

Fogli di tela/carta di dimensioni varie.

Sono ideali per essere ritagliati a proprio piacimento; possono essere anche utilizzati manualmente.

Cloth/Paper foils, available in different sizes. Ideal to be cut as you wish; they can be used even manually.



Codice Code	Dimensioni (mm) Dimensions (mm)	Grana Grain	materiale material
LTELAEAF060	230 x 280	60	tela cloth
LTELAEAF080	230 x 280	80	tela cloth
LTELAEAF100	230 x 280	100	tela cloth
LTELAEAF120	230 x 280	120	tela cloth
LTELAEAF150	230 x 280	150	tela cloth
LTELAEAF180	230 x 280	180	tela cloth
LTELAEAF220	230 x 280	220	tela cloth
LTELAEAF240	230 x 280	240	tela cloth
LTELAEAF320	230 x 280	320	tela cloth
LTELAEAF400	230 x 280	400	tela cloth
LTELAEAF600	230 x 280	600	tela cloth
LTELAEAF800	230 x 280	800	carta paper
LTELAEAF1200	230 x 280	1200	carta paper
LTELAEAF1500	230 x 140	1500	carta paper
LTELAEAF2000	230 x 140	2000	carta paper

### Fogli adesivi - Adhesive Foils

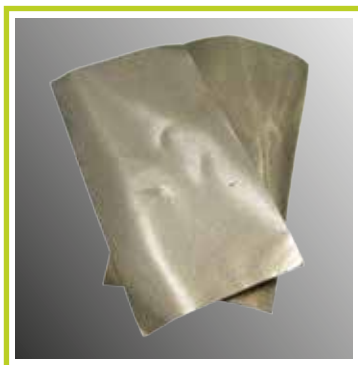
Hanno, rispetto ai precedenti, un lato adesivo che ne permette una facile applicazione sui supporti.

Like the previous ones, they have also an adhesive side that allows easy fixing on holders.



Codice Code	Dimensioni (mm) Dimensions (mm)	Grana Grain	materiale material
LTELAFB060	230 x 280	60	tela cloth
LTELAFB080	230 x 280	80	tela cloth
LTELAFB100	230 x 280	100	tela cloth
LTELAFB120	230 x 280	120	tela cloth
LTELAFB150	230 x 280	150	tela cloth
LTELAFB180	230 x 280	180	tela cloth
LTELAFB220	230 x 280	220	tela cloth
LTELAFB240	230 x 280	240	tela cloth
LTELAFB320	230 x 280	320	tela cloth
LTELAFB400	230 x 280	400	tela cloth
LTELAFB600	230 x 280	600	tela cloth
LTELAFB800	230 x 280	800	carta paper
LTELAFB1200	230 x 280	1200	carta paper
LTELAFB1500	230 x 140	1500	carta paper
LTELAFB2000	230 x 140	2000	carta paper

**Fogli diamantati - Diamond Foils**



Codice Code	Dimensioni (mm) Dimensions (mm)	Grana Grain
LFD0120	50x 100	120
LFD0150	50x 100	150
LFD0200	50x 100	200
LFD0300	50x 100	300
LFD0400	50x 100	400

### Tela/carta abrasiva - Abrasive Cloth/Paper

Strati di tela rivestiti in corindone disponibili in varie forme e dimensioni a seconda del tipo di utilizzo manuale o meccanicizzato. Sono ideali per la lavorazione di oggetti in metallo, acciaio e legno.

Le granature più fini sono in carta rivestita in carburo di silicio, per ridurre lo spessore ed aumentare così la precisione in fase di lavorazione.

Cloth's layers coated with Corundum available in different shapes and sizes, according to different applications, manual or mechanized ones. Ideal for machining of metal, steel and wood objects.

The finer grains are made of paper coated with silicon carbide, to reduce gauge and increase accuracy during operation.

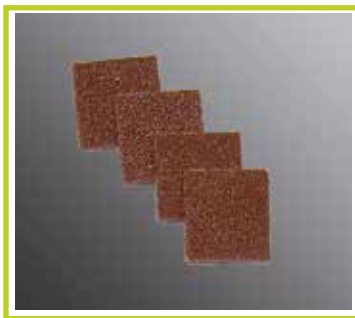
### Rettangolini adesivi - Little Adhesive Rectangles

Grazie alla parte adesiva risulta molto semplice applicarli alla superficie del relativo supporto.

Sono progettati per essere utilizzati in abbinamento alle stecche o alle piastrine in plastica descritte a pag 40-41.

Thanks to adhesive surface it comes really easier to fix them on the proper holder's surface.

They have been engineered to combine them with sticks or plastic platelets showed on pages 40-41.



Codice Code	Dimensioni (mm) Dimensions (mm)	Grana Grain	Q.tà Q.ty
LTELAA060	12 x 20	60	250
LTELAA080	12 x 20	80	250
LTELAA120	12 x 20	120	250
LTELAA180	12 x 20	180	250
LTELAA240	12 x 20	240	250
LTELAA320	12 x 20	320	250
LTELAA400	12 x 20	400	250
LTELAA600	12 x 20	600	250
LTELAA800	12 x 20	800	250
LTELAA1200	12 x 20	1200	250
LTELAB060	19 x 20	60	250
LTELAB080	19 x 20	80	250
LTELAB120	19 x 20	120	250
LTELAB180	19 x 20	180	250
LTELAB240	19 x 20	240	250
LTELAB320	19 x 20	320	250
LTELAB400	19 x 20	400	250
LTELAB600	19 x 20	600	250
LTELAB800	19 x 20	800	250
LTELAB1200	19 x 20	1200	250
LTELAC080	6 x 15	80	250
LTELAC120	6 x 15	120	250
LTELAC180	6 x 15	180	250
LTELAC240	6 x 15	240	250
LTELAC320	6 x 15	320	250
LTELAD080	12 x 30	80	250
LTELAD120	12 x 30	120	250
LTELAD180	12 x 30	180	250
LTELAD240	12 x 30	240	250
LTELAD320	12 x 30	320	250
LTELAD400	12 x 30	400	250

Codice Code	Dimensioni (mm) Dimensions (mm)	Grana Grain	Q.tà Q.ty
LTELAE080	12 x 20	80	250
LTELAE120	12 x 20	120	250
LTELAE180	12 x 20	180	250
LTELAE240	12 x 20	240	250
LTELAE320	12 x 20	320	250
LTELAE400	12 x 20	400	250
LTELAB060	19 x 20	60	250
LTELAF080	19 x 20	80	250
LTELAF120	19 x 20	120	250
LTELAF180	19 x 20	180	250
LTELAF240	19 x 20	240	250
LTELAF320	19 x 20	320	250
LTELAF400	19 x 20	400	250

## Dischi abrasivi - Abrasive Discs

### In corindone - Corundum



Codice Code	Dimensioni Ø (mm) Dimensions Ø (mm)	Grana Grain	Q.tà Q.ty
LA12060	12	60	100
LA12080	12	80	100
LA12120	12	120	100
LA12180	12	180	100
LA12240	12	240	100
LA12320	12	320	100
LA12400	12	400	100
LA20060	20	60	50
LA20080	20	80	50
LA20120	20	120	50
LA20180	20	180	50
LA20240	20	240	50
LA20320	20	320	50
LA20400	20	400	50
LA25060	25	60	50
LA25080	25	80	50
LA25120	25	120	50
LA25180	25	180	50
LA25240	25	240	50
LA25320	25	320	50
LA25400	25	400	50
LA30060	30	60	50
LA30080	30	80	50
LA30120	30	120	50
LA30180	30	180	50
LA30240	30	240	50
LA30320	30	320	50
LA30400	30	400	50
LA40060	40	60	50
LA40080	40	80	50
LA40120	40	120	50
LA40180	40	180	50

Codice Code	Dimensioni Ø (mm) Dimensions Ø (mm)	Grana Grain	Q.tà Q.ty
LA40240	40	240	50
LA40320	40	320	50
LA40400	40	400	50
LA45060	45	60	50
LA45080	45	80	50
LA45120	45	120	50
LA45180	45	180	50
LA45240	45	240	50
LA45320	45	320	50
LA45400	45	400	50
LA50060	50	60	50
LA50080	50	80	50
LA50120	50	120	50
LA50180	50	180	50
LA50240	50	240	50
LA50320	50	320	50
LA50400	50	400	50
LA70060	70	60	50
LA70080	70	80	50
LA70120	70	120	50
LA70180	70	180	50
LA70240	70	240	50
LA70320	70	320	50
LA70400	70	400	50

**Disponibili a richiesta con foro centrale**  
Upon demand, available with center hole

## Dischi abrasivi - Abrasive Discs

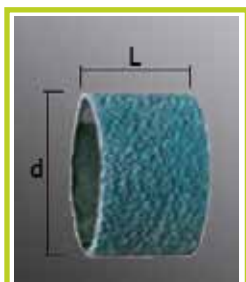
In zirconio - Zirconium



Codice Code	Dimensioni Ø (mm) Dimensions Ø (mm)	Grana Grain	Q.tà Q.ty
LA12060Z	12	60	100
LA12080Z	12	80	100
LA12120Z	12	120	100
LA20060Z	20	60	50
LA20080Z	20	80	50
LA20120Z	20	120	50
LA25060Z	25	60	50
LA25080Z	25	80	50
LA25120Z	25	120	50
LA30060Z	30	60	50
LA30080Z	30	80	50
LA30120Z	30	120	50
LA40060Z	40	60	50
LA40080Z	40	80	50
LA40120Z	40	120	50
LA45060Z	45	60	50
LA45080Z	45	80	50
LA45120Z	45	120	50
LA50060Z	50	60	50
LA50080Z	50	80	50
LA50120Z	50	120	50
LA60060Z	60	60	50
LA60080Z	60	80	50
LA60120Z	60	120	50
LA70060Z	70	60	50
LA70080Z	70	80	50
LA70120Z	70	120	50
<b>Disponibili a richiesta con foro centrale</b> Upon demand, available with center hole			

**Esempio di ordinativo: Codice**  
Example of purchasing order: Code

### Anelli abrasivi - Abrasive Rings

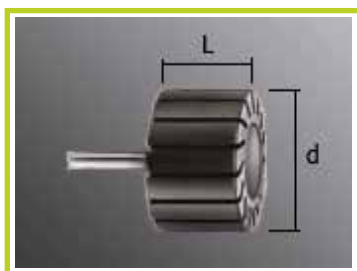


Codice Code	Dimensioni Ø x lungh. (mm) Dimensions Ø x Length (mm)	Grana Grain	Q.tà min. Min. Q.ty
LANABR10X2060Z	10 x 20	60 zirc.	25
LANABR10X20120Z	10 x 20	120zirc.	25
LANABR13X2560Z	13 x 25	60 zirc.	25
LANABR13X25120Z	13 x 25	120zirc.	25
LANABR15X3060Z	15 x 30	60 zirc.	25
LANABR15X30120Z	15 x 30	120zirc.	25
LANABR20X3060Z	20 x 30	60 zirc.	25
LANABR20X30120Z	20 x 30	120zirc.	25

Codice Code	Dimensioni Ø x lungh. (mm) Dimensions Ø x Length (mm)	Grana Grain	Q.tà min. Min. Q.ty
LANABR22X2060Z	22 x 20	60 zirc.	25
LANABR22X20120Z	22 x 20	120zirc.	25
LANABR25X2560Z	25 x 25	60 zirc.	25
LANABR25X25120Z	25 x 25	120zirc.	25
LANABR30X3060Z	30 x 30	60 zirc.	25
LANABR30X30120Z	30 x 30	120zirc.	25
LANABR45X3060Z	45 x 30	60 zirc.	10
LANABR45X30120Z	45 x 30	120zirc.	10

corin. = CORINDONE  
zirc. = ZIRCONIO  
corin. = CORUNDUM  
zirc. = ZIRCONIA

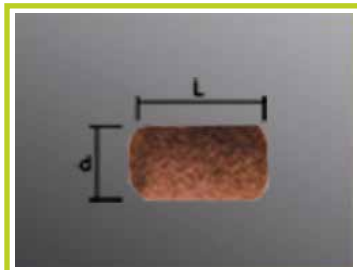
### Rulli porta anelli - Abrasive rings Holders



Codice Code	Dimensioni (mm) d x L Dimensions (mm) d x L	Gambo Ø (mm) Handle Ø (mm)
LPANABR10X20G6	10 x 20	6
LPANABR13X25G6	13 x 25	6
LPANABR15X30G6	15 x 30	6
LPANABR20X30G6	20 x 30	6
LPANABR22X20G6	22 x 20	6
LPANABR25X25G6	25 x 25	6
LPANABR30X30G6	30 x 30	6
LPANABR45X30G6	45 x 30	6

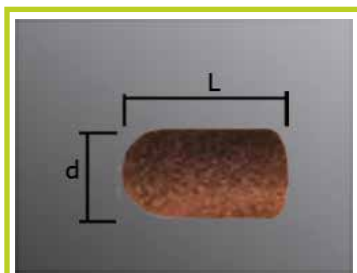
### Cappucci abrasivi - Abrasive Caps

#### Cilindrici - Cylindrical



Codice Code	Dimensioni (mm) $\emptyset$ Dimensions (mm) $\emptyset$	Grana Grain	Q.tà min. Min. Q.ty
LCAPPABRPC05AA80	05	80	50
LCAPPABRPC05AA150	05	150	50
LCAPPABRPC05AA280	05	280	50
LCAPPABRPC07AA60	07	60	50
LCAPPABRPC07AA150	07	150	50
LCAPPABRPC07AA280	07	280	50
LCAPPABRPC10AA60	10	60	50
LCAPPABRPC10AA150	10	150	50
LCAPPABRPC10AA280	10	280	50

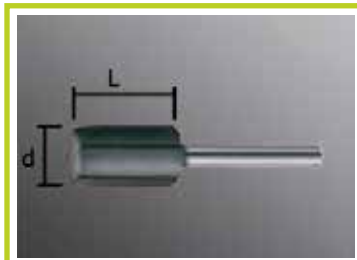
#### Cilindrici a testa sferica - Cylindrical with spherical head



Codice Code	Dimensioni (mm) $\emptyset$ Dimensions (mm) $\emptyset$	Grana Grain	Q.tà min. Min. Q.ty
LCAPPABRPC05CA80	05	80	50
LCAPPABRPC05CA150	05	150	50
LCAPPABRPC05CA280	05	280	50
LCAPPABRPC07CA60	07	60	50
LCAPPABRPC07CA150	07	150	50
LCAPPABRPC07CA280	07	280	50
LCAPPABRPC10CA60	10	60	50
LCAPPABRPC10CA150	10	150	50
LCAPPABRPC10CA280	10	280	50

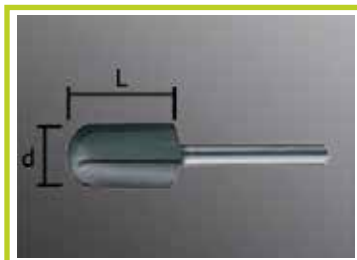
### Portacappucci - Caps Holder

#### Cilindrici - Cylindrical



Codice Codice	Dimensioni (mm) d x L Dimensions (mm) d x L	Gambo $\emptyset$ (mm) Handle $\emptyset$ (mm)
LPCAPPABRPC0510A/3	5 x 10	3
LPCAPPABRPC0712A/3	7 x 12	3
LPCAPPABRPC1015A/3	10 x 15	3

#### Cilindrici a testa sferica - Cylindrical with spherical head



Codice Codice	Dimensioni (mm) d x L Dimensions (mm) d x L	Gambo $\emptyset$ (mm) Handle $\emptyset$ (mm)
LPCAPPABRPC0511C/3	5 x 11	3
LPCAPPABRPC0713C/3	7 x 13	3
LPCAPPABRPC1015C/3	10 x 15	3

Esempio di ordinativo: Codice  
Example of purchasing order: Code



### R0546

Rulli a lamelle abrasive

Fan grinders



#### Descrizione:

Elevata flessibilità e grande capacità di asportazione. Possibile lavorare frontalmente anche angoli e spigoli molto stretti.

#### Description:

High flexibility and stock removal. The face of the tool can be worked up very close to the edges and corners.

Codice Code	D	Testa Head	Gambo Shank	Grana Grit
R0546-12-0001	15	5	3	180
R0546-12-0002	15	10	3	180
R0546-12-0003	20	10	3	120
R0546-12-0004	20	10	3	150
R0546-12-0005	20	10	3	180
R0546-12-0006	20	10	6	60
R0546-12-0007	20	10	6	80
R0546-12-0008	20	10	6	120
R0546-12-0009	20	10	6	150
R0546-12-0010	20	10	6	180
R0546-12-0011	25	10	6	80
R0546-12-0012	25	10	6	120
R0546-12-0013	25	10	6	180
R0546-12-0014	25	15	6	80
R0546-12-0015	25	15	6	120
R0546-12-0016	25	15	6	150
R0546-12-0017	25	15	6	180
R0546-12-0018	25	20	6	80
R0546-12-0019	25	20	6	120
R0546-12-0020	25	20	6	180
R0546-12-0021	25	25	6	80
R0546-12-0022	25	25	6	120
R0546-12-0023	25	25	6	150
R0546-12-0024	25	25	6	180
R0546-12-0025	30	5	3	60
R0546-12-0026	30	5	3	80
R0546-12-0027	30	5	3	120
R0546-12-0028	30	5	3	150
R0546-12-0029	30	5	3	180
R0546-12-0030	30	5	3	240
R0546-12-0031	30	5	3	320
R0546-12-0032	30	5	6	60
R0546-12-0033	30	5	6	80
R0546-12-0034	30	5	6	120
R0546-12-0035	30	5	6	150
R0546-12-0036	30	5	6	180
R0546-12-0037	30	5	6	240
R0546-12-0038	30	5	6	320
R0546-12-0039	30	10	3	60
R0546-12-0040	30	10	3	80
R0546-12-0041	30	10	3	120
R0546-12-0042	30	10	3	150
R0546-12-0043	30	10	3	180
R0546-12-0044	30	10	3	240
R0546-12-0045	30	10	3	320
R0546-12-0046	30	10	6	60
R0546-12-0047	30	10	6	80
R0546-12-0048	30	10	6	120
R0546-12-0049	30	10	6	150
R0546-12-0050	30	10	6	180
R0546-12-0051	30	10	6	240
R0546-12-0052	30	10	6	320

Codice Code	D	Testa Head	Gambo Shank	Grana Grit
R0546-12-0053	30	10	6	400
R0546-12-0054	30	15	6	60
R0546-12-0055	30	15	6	80
R0546-12-0056	30	15	6	120
R0546-12-0057	30	15	6	150
R0546-12-0058	30	15	6	180
R0546-12-0059	30	15	6	240
R0546-12-0060	30	15	6	320
R0546-12-0061	30	30	6	60
R0546-12-0062	30	30	6	80
R0546-12-0063	30	30	6	120
R0546-12-0064	30	30	6	150
R0546-12-0065	30	30	6	180
R0546-12-0066	30	30	6	240
R0546-12-0067	30	30	6	320
R0546-12-0068	40	10	6	60
R0546-12-0069	40	10	6	80
R0546-12-0070	40	10	6	120
R0546-12-0071	40	10	6	150
R0546-12-0072	40	10	6	180
R0546-12-0073	40	10	6	240
R0546-12-0074	40	15	6	60
R0546-12-0075	40	15	6	80
R0546-12-0076	40	15	6	120
R0546-12-0077	40	15	6	150
R0546-12-0078	40	15	6	180
R0546-12-0079	40	15	6	240
R0546-12-0080	40	15	6	320
R0546-12-0081	40	20	6	60
R0546-12-0082	40	20	6	80
R0546-12-0083	40	20	6	120
R0546-12-0084	40	20	6	150
R0546-12-0085	40	20	6	180
R0546-12-0086	40	20	6	240
R0546-12-0087	50	10	6	60
R0546-12-0088	50	10	6	80
R0546-12-0089	50	10	6	120
R0546-12-0090	50	10	6	150
R0546-12-0091	50	10	6	180
R0546-12-0092	50	10	6	240
R0546-12-0093	50	10	6	320
R0546-12-0094	50	15	6	60
R0546-12-0095	50	15	6	80
R0546-12-0096	50	15	6	120
R0546-12-0097	50	15	6	150
R0546-12-0098	50	15	6	180
R0546-12-0099	50	15	6	240
R0546-12-0100	50	15	6	320
R0546-12-0101	50	20	6	60
R0546-12-0102	50	20	6	80
R0546-12-0103	50	20	6	120
R0546-12-0104	50	20	6	150

Codice Code	D	Testa Head	Gambo Shank	Grana Grit
R0546-12-0105	50	20	6	180
R0546-12-0106	50	20	6	320
R0546-12-0107	50	30	6	60
R0546-12-0108	50	30	6	80
R0546-12-0109	50	30	6	120
R0546-12-0110	50	30	6	150
R0546-12-0111	50	30	6	180
R0546-12-0112	50	30	6	240
R0546-12-0113	50	30	6	320
R0546-12-0114	60	15	6	60
R0546-12-0115	60	15	6	80
R0546-12-0116	60	15	6	120
R0546-12-0117	60	15	6	150
R0546-12-0118	60	15	6	180
R0546-12-0119	60	15	6	240
R0546-12-0120	60	15	6	320
R0546-12-0121	60	20	6	60
R0546-12-0122	60	20	6	80
R0546-12-0123	60	20	6	120
R0546-12-0124	60	20	6	150
R0546-12-0125	60	20	6	180
R0546-12-0126	60	20	6	240
R0546-12-0127	60	20	6	320
R0546-12-0128	60	30	6	40
R0546-12-0129	60	30	6	60
R0546-12-0130	60	30	6	80
R0546-12-0131	60	30	6	120
R0546-12-0132	60	30	6	150
R0546-12-0133	60	30	6	180
R0546-12-0134	60	30	6	240
R0546-12-0135	60	30	6	320
R0546-12-0136	60	30	6	400
R0546-12-0137	60	40	6	60
R0546-12-0138	60	40	6	80
R0546-12-0139	60	40	6	120
R0546-12-0140	60	40	6	150
R0546-12-0141	60	40	6	180
R0546-12-0142	60	40	6	240
R0546-12-0143	60	40	6	320
R0546-12-0144	60	50	6	40
R0546-12-0145	60	50	6	60
R0546-12-0146	60	50	6	80
R0546-12-0147	60	50	6	120
R0546-12-0148	60	50	6	150
R0546-12-0149	60	50	6	180
R0546-12-0150	60	50	6	240
R0546-12-0151	60	50	6	320
R0546-12-0152	80	20	6	150
R0546-12-0153	80	30	6	60
R0546-12-0154	80	30	6	80
R0546-12-0155	80	30	6	150

Esempio di ordinativo: Codice  
Example of purchasing order: Code

## Stecche - Sticks

### Stecche per tele - Sticks for cloathes



Codice Code	Dimensioni d x L (mm) Dimensions d x L (mm)	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)
LSTECC3M3X56G3	3 x 56	steccasottile per tela 3M thin stick for cloath 3M	3
LSTECC3M6X56G3	6 x 56	steccasottile per tela 3M thin stick for cloath 3M	3
LSTECC3M3X72G3	3 x 72	steccasottile per tela 3M thin stick for cloath 3M	3
LSTECC3M6X72G3	6 x 72	steccasottile per tela 3M thin stick for cloath 3M	3

### Stecche per piani - Sticks for flats



Codice Code	Dimensioni (mm) Dimensions (mm)	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)
LSTECCAP12X20	12x 20	steccaper piani stick for flats	4
LSTECCAP19X20	19x 20	steccaper piani stick for flats	4

### Stecche per piastrini - Sticks for platelets



Codice Code	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)
LSTECATTAC	Steccaperpiastrini con attacco 12x 22/12x32 Stick for platelets with attachment 12 x 22/12x32	
LSTECATTCPG3	Stecca per piastrini con attacco mini 6x15 Stick for platelets with attachment 6 x15	3
LSTECATTCPG4	Stecca per piastrini con attacco mini 6x15 Stick for platelets with attachment 6 x15	4
LSTECATT9x22G3	Stecca per piastrini con attacco mini 6x15 Stick for platelets with attachment 6 x15	3
LSTECATT9x32G4	Stecca per piastrini con attacco mini 6x15 Stick for platelets with attachment 6 x15	4

### Stecche nerve - Nerve Sticks



Codice Code	Dimensioni (mm) d x L x s Dimensions (mm) d x L x s	Descrizione Description
LSTE04X070X15	4 x 70 x 1,5	stecca nerve nerve stick
LSTE06X070X15	6 x 70 x 1,5	stecca nerve nerve stick
LSTE09X070X15	9 x 70 x 1,5	stecca nerve nerve stick
LSTE12X070X15	12 x 70 x 1,5	stecca nerve nerve stick
LSTE08X100X15	8 x 100 x 1,5	stecca nerve nerve stick
LSTE12X100X15	12 x 100 x 1,5	stecca nerve nerve stick
LSTE19X100X15	19 x 100 x 1,5	stecca nerve nerve stick

## Piastrini in plastica - Plastic Platelets



Codice Code	Dimensioni (mm) Dimensions (mm)	Descrizione Description
LPIAPLAST6X15	6 x 15	piastrina in plastica plastic platelet
LPIAPLAST12X32	12 x 32	piastrina in plastica plastic platelet
LPIAPLAST12X19	12 x 19	piastrina in plastica plastic platelet
LPIAPLAST9X22	9 x 22	piastrina in plastica plastic platelet
LPIAPLAST9X32	9 x 32	piastrina in plastica plastic platelet

## Piastrini con pietra - Platelets with stone



Codice Code	Dimensioni attacco (mm) Attachment Dimensions (mm)	Tipo pietra Stone kind	Grana Grain
LPTATT06X15120	6 x 15	star	120
LPTATT06X15180	6 x 15	star	180
LPTATT06X15320	6 x 15	star	320
LPTATT06X15600	6 x 15	star	600
LPTATT06X151200	6 x 15	star	1200
LPTATT12X32120	12 x 32	star	120
LPTATT12X32180	12 x 32	star	180
LPTATT12X32220	12 x 32	star	220
LPTATT12X32320	12 x 32	star	320
LPTATT12X32400	12 x 32	star	400
LPTATT12X32600	12 x 32	star	600
LPTATT12X321200	12 x 32	star	1200

N.B. Da utilizzare con le rispettive stecche per piastrini presentia pag.39

N.F. To be used with proper sticks for platelets showed on pag. 39

## Mandrini per stecche nerve - Mandrels for nerve sticks



Codice Code	Descrizione Description
LSTEMAND	Mandrino per steccheda 1.5 Mandrels for 1.5 sticks

## Mandrini per pietre ceramiche - Mandrels fo ceramic stones



Codice Code	Descrizione Description	Ø Gambo (mm) Ø Handle (mm)	L (mm)
LMDPFL	Mandrino per PLF per supporto pietre ceramiche Mandrel for PLF for ceramic stones holder	-	-
LMDPFL404	Mandrino per PLF per supporto pietre ceramiche Mandrel for PLF for ceramic stones holder	4	40
LMDPFL606	Mandrino per PLF per supporto pietre ceramiche Mandrel for PLF for ceramic stones holder	4	60

Esempio di ordinativo: Codice  
Example of purchasing order: Code

## Portapietre - Stoneholders



Codice Code	Descrizione Description
LPCER04	supporto per pietre ceramiche larghe 4 mm (utilizzo manuale) ceramic stones holder 4 mm wide (manual use)
LPCER06	supporto per pietre ceramiche larghe 6 mm (utilizzo manuale) ceramic stones holder 6 mm wide (manual use)
LPCER10	supporto per pietre ceramiche larghe 10 mm (utilizzo manuale) ceramic stones holder 10 mm wide (manual use)



LPTR3X06	supporto per pietre 3x6 (mm) D.6 holder for 3x6 (mm) D.6 stones
LPTR6X06	supporto per pietre 6x6 (mm) D.8 holder for 6x6 (mm) D.8 stones
LPTR6X13	supporto per pietre 6x13 (mm) D.12 holder for 6x13 (mm) D.12 stones
LPTR8X08	supporto per pietre 8x8x - 3x13 (mm) D.10 holder for 8x8x - 3x13 (mm) D.10 stones

## Pinza portapietra - Metal clamp for sticks and grinding files



Codice Code	Descrizione Description
QEA/3	Pinza da 3 mm Clamp from 3mm
QEA/6	Pinza da 6 mm Clamp from 6mm

## Riduzioni - Reducing Collets



Codice Code	Descrizione Description
LRIDPIN0603	Riduzione per pinza da 6 mm a 3 mm Reducing collets for clamp from 6mm to 3mm

## Platorelli - Holders

Supporti per tela carta o feltri autoadesivi da utilizzare con attrezzi rotativi.  
Holders for cloath, paper or self-sticking felts, to be used with rotating tools.

### Platorelli in plastica - Plastic holders

Codice Code	Dimensioni d (mm) Dimensions d (mm)	Ø Gambo (mm) Ø Handle (mm)	Descrizione articolo Description
PLATO30/1PLAS	30	3	platorello in plastica D.30 G.3. holder in plastic D.30/3
PLATO30PLASG6	30	6	platorello in plastica D.30 G.6. holder in plastic D.30/6
PLATO40PLASG6	40	6	platorello in plastica D.40 G.6. holder in plastic D.40/6
PLATO501PLASG6	50	6	platorello in plastica D.50 G.6. holder in plastic D.50/6

### Platorelli per combi disc - Holders for combi disc

Codice Code	Dimensioni d (mm) Dimensions d (mm)	Ø Gambo (mm) Ø Handle (mm)	Descrizione articolo Description
PLATOCOMBIDISC45G6	45	6	platorello per combi disc D.45 G.6 holder for combi disc D.45/6
PLATOCOMBIDISC50G6	50	6	platorello per combi disc D.50 G.6 holder for combi disc D.50/6

### Mousse per combi disc - Holders for combi disc

Codice Code	Dimensioni d (mm) Dimensions d (mm)	Ø Gambo (mm) Ø Handle (mm)	Descrizione articolo Description
MOUSSECOMBIDISC45G6	45	10	mousse per combi disc D.45 sp. 10 mouse for combi disc D.45 dep. 10
MOUSSECOMBIDISC50G6	50	10	mousse per combi disc D.50 sp. 10 mousse for combi disc D.50 dep. 10

### Mandrini con filetto - Thread mandrels

Codice Code	Dimensioni d (mm) Dimensions d (mm)	Ø Gambo (mm) Ø Handle (mm)	Descrizione articolo Description
MAND134030	30	3	mandrino D.30 G.3 mandrel D.30/3
MAND164060	60	6	mandrino D.60 G.6 mandrel D.60/6

## Paste - Pastes

### Pasta diamantata - Diamond Paste



Codice - Code	Micron	Grammi - Grams
LPDMICRON01	1	5
LPDMICRON01/20	1	20
LPDMICRON03	3	5
LPDMICRON03/20	3	20
LPDMICRON06	6	5
LPDMICRON06/20	6	20
LPDMICRON09	9	5
LPDMICRON09/20	9	20
LPDMICRON14	14	5
LPDMICRON14/20	14	20
LPDMICRON25	25	5
LPDMICRON25/20	25	20






### Pasta diamantata alta qualità - High quality Diamond Paste



Codice - Code	Micron	Grammi - Grams
LPDMICRON01-2ONEW	01	20
LPDMICRON03-2ONEW	03	20
LPDMICRON06-2ONEW	06	20
LPDMICRON09-2ONEW	09	20

## Stecche in legno - Wooden sticks



Codice - Code	Sezione - Section	Dimensioni Dimensions (mm)	Forma - Shape
LSTECCALEGNO02		Ø 3	cilindrica - cylindrical
LSTECCALEGNO04		20 x 8	rettangolare - rectangular
LSTECCALEGNO05		12 x 8	rettangolare - rectangular
LSTECCALEGNO06		7 x 3,5	rettangolare - rectangular
LSTECCALEGNO07		5 x 5	quadrata - squared

## Feltro in fogli - Felt foils

Fogli in feltro, adesivi e non, da ritagliare ed incollare a proprio piacimento

Felt foils, adhesive and not, to be cut and glued as you wish.



Codice - Code	Dimensioni Dimension (mm)	Spessore Gauge (mm)	Descrizione articolo Description
LFELTROFOGLIO135X300S1AD	230 x 175	1	Foglio adesivo in feltro Adhesive felt foil
LFELTROFOGLIO135X300S3AD	230 x 175	3	Foglio adesivo in feltro Adhesive felt foil
LFELTROFOGLIO135X300S1	230 x 175	1	Foglio non adesivo in feltro Non Adhesive felt foil
LFELTROFOGLIO135X300S3	230 x 175	3	Foglio non adesivo in feltro Non Adhesive felt foil

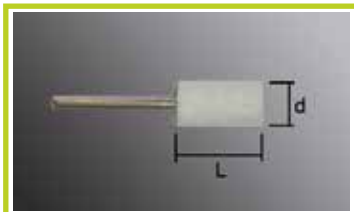
## Feltri con gambo - Felts with handle

Feltri in lana di elevata qualità.

Sono ideali per la lucidatura degli stampi per plastica specialmente se abbinati all'utilizzo di pasta diamantata abrasiva  
High quality woolen felts.

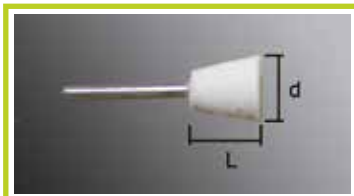
Ideal for plastic moulds polishing, particularly if combined with use of abrasive diamond paste.

### Cilindrici - Cylindrical



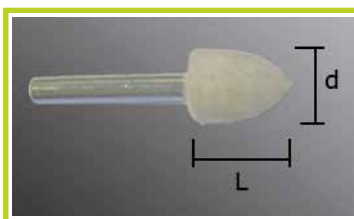
Codice - Code	Dimensioni - Dimensions d x L (mm)	Ø Gambo (mm) Ø Handle (mm)
LFELTRO0408G3	4 x 8	3
LFELTRO0610G3	6 x 10	3
LFELTRO0615G3	6 x 15	3
LFELTRO0815G3	8 x 15	3
LFELTRO1015G3	10 x 15	3
LFELTRO1520G3	15 x 20	3
LFELTRO2030G3	20 x 30	3
LFELTRO1015G6	10 x 15	6
LFELTRO1525G6	15 x 25	6
LFELTRO2025G6	20 x 25	6
LFELTRO2530G6	25 x 30	6
LFELTRO3040G6	30 x 40	6

### Tronco conici - Conical Trunk



Codice - Code	Dimensioni - Dimensions d x L (mm)	Ø Gambo (mm) Ø Handle (mm)
LFELTROTRONCOCOND14	14 x 15	3

### Conici - Conical



Codice - Code	Dimensioni - Dimensions d x L (mm)	Ø Gambo - Handle (mm)	Descrizione Description
LFELTRO10X15G3CON	10 x 15	3	Feltro conico Conical Felt
LFELTRO15X20G3CON	15 x 20	3	Feltro conico Conical Felt
LFELTRO15X20G6CON	15 x 20	6	Feltro conico Conical Felt
LFELTRO20X25G6CON	20 x 25	6	Feltro conico Conical Felt

### Lenticolari - Lenticular



Codice - Code	Dimensioni - Dimensions Ø (mm)	Ø Gambo - Handle (mm)	Descrizione Description
LFELTROLENT203	20	3	Feltro lenticolare Lenticular felt
LFELTROLENT406	40	6	Feltro lenticolare Lenticular felt
LFELTROLENT606	60	6	Feltro lenticolare Lenticular felt

**Esempio di ordinativo: Codice**  
Example of purchasing order: Code



## Feltri per mandrini - Felts for mandrels

Feltri rotativi in lana da utilizzare abbinati ai rispettivi mandrini

Rotating woolen felts, to be used with proper mandrels.



Codice Code	Diametro Diameter (mm)	Spessore Gauge (mm)	Nota - Note
LFELTOD20004	20	4	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06
LFELTOD25004	25	4	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06
LFELTOD30006	30	6	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06
LFELTOD40006	40	6	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06
LFELTOD50010	50	10	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06
LFELTOD60010	60	10	Da usare in abbinamento al mandrino LFELTROMD03 Use bounded together with mandrel LFELTROMD06

## Mandrini per feltri rotativi - Mandrels for rotating felts



Codice - Code	∅ Gambo - Handle (mm)
LFELTROMD03	3

## Platorelli con feltri - Holders with felts

Platorelli in gomma rivestiti inferiormente con morbido feltro in lana.

Da utilizzare con attrezzi rotativi.

Rubber holders, coated on flat side with woolen felt.

To be used with rotating tools.



Codice - Code	Dimensioni Dimension (mm)	Spessore Gauge (mm)	Descrizione articolo Description
LPLATO1203FELTR	12	3	Platorello in gomma con feltro Rubber holder with felt
LPLATO2003FELTR	20	3	Platorello in gomma con feltro Rubber holder with felt
LPLATO3003FELTR	30	3	Platorello in gomma con feltro Rubber holder with felt
LPLATO5006FELTR	50	6	Platorello in gomma con feltro Rubber holder with felt

# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account quickly and easily



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 65000 articoli

## CONSULT

prices and availability in real time for more than 65000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply



## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery of the products in our stock

**ELEMENTI DI SOLLEVAMENTO PER STAMPI**  
**LIFTING EQUIPMENTS FOR MOULDS**



**Ranco**



**RANCO SRL** nasce nel 2007 come naturale evoluzione dell'esperienza nel settore degli stampi da parte del socio fondatore, che ha iniziato il suo percorso professionale come tecnico-commerciale nel 1991. Siamo oggi orgogliosi di essere una struttura di oltre 25 risorse e di puntare sui giovani e sul loro coinvolgimento per lo sviluppo futuro; siamo certi che riceveremo più di quanto investiremo così come è stato per tutti i colleghi che lavorano con noi.

#### **Competenze e professionalità**

Il nostro staff è in grado di interfacciare tutte le richieste dei nostri clienti/partner, che possono contare sulla professionalità e competenza maturata in tanti anni di esperienza.

Al fine di aumentare ulteriormente l'efficacia della nostra consulenza e assistenza tecnica stiamo realizzando una specializzazione interna per settori.

#### **Vasto assortimento**

Disponiamo di un vasto assortimento di prodotti pubblicati sul nostro e-commerce ([www.ranco.biz](http://www.ranco.biz)).

Il nostro obiettivo in termini di prodotti offerti è quello di essere dinamici, cercando di anticipare il mercato, e questo ci porta ad ampliare regolarmente la nostra offerta, grazie al costante aggiornamento tecnico che perseguiamo.

**RANCO SRL** appeared on the scene in 2007 following a natural process of evolution in the injection moulding sector undergone by its founder partner who had begun his career as a technician and sales professional in 1991. Today we are proud to be a structure with more than 25 members of staff which targets young people and their involvement for our future development. We are confident that the benefits to be gained from this policy will be greater than our initial investment as has proved to be the case with all the colleagues that work with us.

#### **Competence and professional skills**

Our staff is able to interface with every request made by our clients/partners who can thus count on professional skills and competence built up through many years of experience. We are also creating an internal system of specialization in the various sectors in order to further increase our efficiency in the areas of consultation and technical assistance.

#### **Vast range of products**

We have a vast range of products published on our e-commerce website ([www.ranco.biz](http://www.ranco.biz)). Our objective, in relation to the products we offer, is to be dynamic and ahead of the market and this leads to a regular increase in our products thanks to the constant technical updates that we carry out.





**STAMPERIA  
CARCANO  
GIUSEPPE spa**

Oggi la **STAMPERIA CARCANO SPA** si colloca come marchio leader per la produzione e distribuzione di accessori per funi e catene grazie anche al rispetto della filosofia aziendale rimasta invariata dal momento della sua nascita: fedeltà alla tradizione, capacità innovative, rispetto e passione per la precisione

Negli ultimi anni sono state estese le certificazioni e le omologazioni dei prodotti per linee ferroviarie, elettriche, telefoniche portando il marchio carcano in nicchie di mercato esclusive e di alta tecnologia a livello europeo.

Infine nasce il nuovo brand **CARTEC** (carcano-technology) che vede entrare la stamperia carcano spa nel settore del sollevamento industriale di ganci e accessori per catene ad alta resistenza, e di conseguenza l'ingresso in nuovi mercati internazionali (USA, Giappone, Cina, India e Brasile).

**STAMPERIA CARCANO SPA** è oggi una moderna e dinamica realtà industriale che annovera numerosi addetti ed una filiera di aziende satellite selezionate per la fornitura di materie prime a qualità certificata e speciali lavorazioni in alta tecnologia.

Today, **STAMPERIA CARCANO SPA** is a market leader in the production and distribution for ropes and chains accessories thanks to its respect for the company's policy, which has remained unchanged since the beginning: loyalty to tradition, innovation skills, respect and passion for precision

In the last years, certifications and homologations of products for railway, electricity and telephone lines have increased; this led the carcano brand enter exclusive high tech market niches in europe.

Eventually the new brand **CARTEC** (carcano-technology) was established; this brand brought stamperia carcano spa into the industrial lifting sector of hooks and accessories for high resistance chains. the cartec brand was also the way in to new international markets such as the USA, Japan, China, India and Brazil.

Today stamperia carcano spa is a modern and dynamic industrial reality with many operators and a selected supply companies for raw materials with certified quality and high tech manufacturing processes.





# QUALITÀ E CERTIFICAZIONI

**STAMPERIA CARCANO SPA** continua ad essere l'unica azienda italiana il cui processo di forgiatura a caldo destinato alla realizzazione di accessori di sollevamento vanta l'accreditamento dell'ente tedesco per la sicurezza DGUV; tale accreditamento ormai riconosciuto a livello internazionale attesta l'affidabilità dei processi e dei prodotti offerti al mercato. Il sistema di gestione qualità, con vent'anni di certificazione alle spalle, è stato allargato a tutte le attività che impattano sulla sicurezza dei lavoratori e dell'ambiente esterno nel più moderno concetto di sistema di gestione integrata che un'azienda di visibilità internazionale deve oggi garantire. Il completamento di questo processo di innovazione è l'implementazione del modello organizzativo 231 con il quale si vuole divulgare il proprio codice etico di comportamento, che ha caratterizzato questi quasi 60 anni di attività, anche ai nostri clienti e fornitori.

## Qualità e certificazioni

Il sistema qualità della STAMPERIA CARCANO SPA è stato realizzato in conformità alle normative EN ISO 9001 di riferimento dal 1995 e dal 2014 è certificato DNV. Nel 1997 STAMPERIA CARCANO SPA consegue anche l'omologazione dell'ente tedesco DGUV con l'accreditamento del marchio «H92» per la produzione di accessori grado 80/100, in conformità alle normative EN818, EN1677 e GS-OA 1504.

# QUALITY AND CERTIFICATION

**STAMPERIA CARCANO SPA** has been the first Italian company whose hot forging process for use to create lifting accessories was certified by the German certification authority DGUV; such certification acknowledged at an international level certifies the reliability of the processes and products offered to the market. The quality control system, certified for over twenty years, was extended to all activities which could affect safety at work and the environment in a more modern concept of integrated management systems which a company of international repute must guarantee.

The completion of this innovation process and the implementation of the organisation model 231 with which to divulge the code of ethics, which has characterized the first 60 years of activity even to our clients and suppliers.

## Quality and certification

STAMPERIA CARCANO SPA'S quality certification was made pursuant to EN ISO 9001 regulations with reference to 1995 and as from 2014 has DNV certification. In 1997 STAMPERIA CARCANO SPA also obtained homologation of the German DGUV with certification of the mark «H92» for production of 80/100 grade accessories pursuant to regulations EN818, EN1677 and GS-OA 1504.





# CARTEC

## SAFETY SCHOOL

### OBIETTIVO DEL CORSO

È quello di soddisfare la crescente richiesta di sicurezza negli ambienti di lavoro, avvalendosi dell'esperienza e del know how di una azienda leader nella produzione di prodotti e sistemi per il sollevamento e la movimentazione carichi. I corsi di formazione sono tutti personalizzabili in base al tipo di attività e al livello degli operatori partecipanti e possono prevedere una parte tecnica e una parte pratica

### CORSI E LIVELLI

BASE - 4 ore

INTERMEDIO - 6 ore

ESPERTO - 6 + 2 ore

AVANZATO - 8 + 4 ore durata 2 giorni

### MODALITÀ

- I corsi possono essere svolti presso la sede della Stamperia Carcano Giuseppe Spa oppure presso i vostri stabilimenti.
- Numero massimo di partecipanti 10/12 persone per sessione.
- Il corso sarà svolto in maniera interattiva con i partecipanti, attraverso slide, filmati e campioni.

### COURSE OBJECTIVE

The course objective is to meet the growing demand for safety in the workplace, making use of the experience and know-how of a leading company in the manufacture of products and systems for lifting and handling loads.

Our training courses are all customisable based on the type of activity and the level of the operators taking part and they can include a theoretical part and a practical part.

### COURSES AND LEVELS

BASIC LEVEL - 4 hours

INTERMEDIATE LEVEL - 6 hours

EXPERT LEVEL - 6 + 2 hours

























ADVANCED LEVEL - 8 + 4 hours 2 days

### PROCEDURE

- The courses can be held at the premises of Stamperia Carcano Giuseppe SPA or at your own production facilities.
- Maximum number of participants: 10-12 per session.
- The course will be held interactively with the participants, using slide presentations, film clips and sample equipment.







# INDICE INDEX

## GOLFARI EYE BOLTS

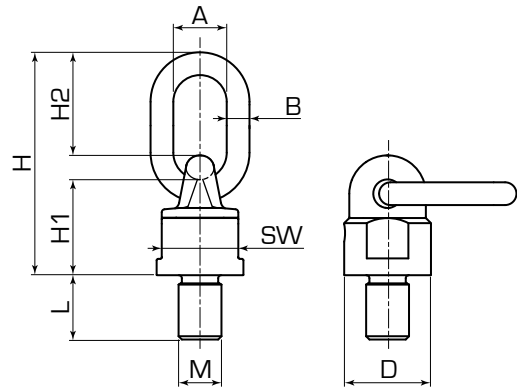
R0502		Golfare girevole con anello - 800 Rotating eye bolt with ring - 800	8
R0717		Golfare girevole con anello - 800X Rotating eye bolt with ring - 800X	10
R0718		Golfare girevole con snodo - 811X Rotating eye bolt with hoist ring - 811X	12
R0719		Golfare girevole con snodo - 812X Rotating eye bolt with hoist ring - 812X	14
R0720		Golfare girevole con staffa - 806X Rotating eye bolt with clamp - 806X	16
R0721		Golfare girevole H.T. - 807X HT Rotating eye bolt H.T. - 807X HT	18
R0722		Golfare orientabile con vite 8.8 - 801 Rotating eye bolt with screw 8.8 - 801	20
R0723		Golfare femmina 8.8 - 802 Eye nut 8.8 - 802	22
R0724		Golfare maschio 8.8 - 803 Eye bolt 8.8 - 803	24
<b>ACCESSORI GRADO 100 ACCESSORIES GRADE 100</b>			
R0729		Catena grado 100 - C8182X Chain grade 100 - C8182X	28
R0733		Anello ovale, grado 100 - CMX Oblong masterlink, grade 100 - CMX	30
R0734		Anello complesso, grado 100 - CMCX Sub-assembly, grade 100 - CMCX	31
R0735		Maglia di connessione, grado 100 - CLX Connecting link, grade 100 - CLX	32
R0736		Gancio accorciatore ad occhio, grado 100 - CDX, CDXS Eye grab hook, grade 100 - CDX, CDXS	33
R0737		Gancio accorciatore a forcella, grado 100 - CFX, CFXS Clevis grab hook, grade 100 - CFX, CFXS	34
R0738		Gancio a forcella, grado 100 - CBX Clevis sling hook, grade 100 - CBX	35
R0739		Gancio di sicurezza a forcella, grado 100 - CRFX Self locking clevis hook, grade 100 - CRFX	36
R0740		Gancio fonderia a forcella, grado 100 - CYFX Foundry clevis hook, grade 100 - CYFX	37
R0749		Pendenti a bracci multipli con ganci a forcella, grado 100 - GKN100 Multi-leg chain slings with clevis hooks, grade 100 - GKN100	38
R0750		Pendenti a bracci multipli con ganci di sicurezza a forcella, grado 100 - BKG100 Multi-leg chain slings with clevis self locking hooks, grade 100 - BKG100	39
<b>ACCESSORI GRADO 80 ACCESSORIES GRADE 80</b>			
R0728		Catena grado 80 - C8182 Chain grade 80 - C8182	42
R0741		Anello ovale, grado 80 - CM, CMS Oblong masterlink, grade 80 - CM, CMS	44
R0742		Anello complesso, grado 80 - CMC, CMCS Sub-assembly, grade 80 - CMC, CMCS	45
R0743		Maglia di connessione, grado 80 - CL Connecting link, grade 80 - CL	46



# INDICE INDEX

R0744		Gancio accorciatore ad occhio, grado 80 - CD Eye grab hook, grade 80 - CD	47
R0745		Gancio accorciatore a forcella, grado 80 - CF Clevis grab hook, grade 80 - CF	48
R0746		Gancio a forcella, grado 80 - CB Clevis sling hook, grade 80 - CB	49
R0747		Gancio di sicurezza a forcella, grado 80 - CRF Self locking clevis hook, grade 80 - CRF	50
R0748		Gancio fonderia a forcella, grado 80 - CYF Foundry clevis hook, grade 80 - CYF	51
R0751		Pendenti a bracci multipli con ganci a forcella, grado 80 - GKN80 Multi-leg chain slings with clevis hooks, grade 80 - GKN80	52
R0752		Pendenti a bracci multipli con ganci di sicurezza a forcella, grado 80 - BKG80 Multi-leg chain slings with clevis self locking hooks, grade 80 - BKG80	53
<b>ACCESSORI PER FUNI E CATENE ACCESSORIES FOR ROPES AND CHAINS</b>			
R0172		Golfare maschio DIN580 - 55 Lifting eye bolt DIN580 - 55	54
R0725		Golfare femmina DIN582 - 56 Eye nut DIN582 - 56	55
R0726		Grilli a cuore ad alta resistenza con perno a vite - 52 Alloy steel bow shackles with screw pin - 52	56
R0727		Grilli a cuore ad alta resistenza con bullone - 54 Alloy steel bow shackles with bolt - 54	57
<b>FASCE DI SOLLEVAMENTO LIFTING SLINGS</b>			
R0730		Braca ad asola in poliestere - C41 Polyester eyesling - C41	58
R0731		Braca tonda in poliestere - C42 Polyester roundsling - C42	60
R0732		Sistema di ancoraggio - C43 Lashing system - C43	62

## R0502 Golfare girevole con anello - 800 Rotating eye bolt with ring - 800



**CARTEC80**

### Descrizione:

Nota: non idoneo per il movimento rotatorio continuato a pieno carico.  
Disponibile, su richiesta, filettatura e lunghezza gambo fuori standard.

### Description:

Nota: not suitable for continuous rotation movement during loading.  
Available, on demand, not standard threading and stem length.

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)						
					A	B	H2	H1	H	SW	D
R0502-01-0022	0.3	M8 x 16	16	0.48	30	13	46	50	105	30	38
R0502-01-0023	0.3	M8 x 18	16	0.48	30	13	46	50	105	30	38
R0502-01-0001	0.3	M10 x 18	16	0.48	30	13	46	50	105	30	38
R0502-01-0002	0.5	M12 x 18	28	0.5	30	13	46	50	105	30	38
R0502-01-0003	0.5	M12 x 25	28	0.5	30	13	46	50	105	30	38
R0502-01-0004	1.12	M16 x 20	70	0.53	30	13	46	50	105	30	38
R0502-01-0005	1.12	M16 x 30	70	0.53	30	13	46	50	105	30	38
R0502-01-0006	1.12	M20 x 30	135	0.53	30	13	46	50	105	30	38
R0502-01-0007	2	M20 x 30	135	1.05	34	16	57	61	131	40	50
R0502-01-0008	3.15	M24 x 30	230	1.63	40	18	70	68	153	48	58
R0502-01-0009	5.3	M30 x 35	465	2.23	45	22	65	80	165	65	75
R0502-01-0010	5.3	M30 x 45	465	2.23	45	22	65	80	165	65	75
R0502-01-0011	8	M30 x 35	465	5.3	50	23	95	95	205	75	85
R0502-01-0012	8	M30 x 45	465	5.3	50	23	95	95	205	75	85
R0502-01-0013	8	M36 x 54	814	5.5	50	23	95	95	205	75	85
R0502-01-0014	10	M42 x 63	1304	10	50	23	95	95	205	75	85
R0502-01-0015	15	M48 x 60	1981	10	70	32	120	130	280	95	120
R0502-01-0016	15	M56 x 78	3000	10	70	32	120	130	280	95	120
R0502-01-0017	15	M64 x 96	4738	10	70	32	120	130	280	95	120
R0502-01-0018	25	M72 x 108	6913	29	90	45	130	165	338	140	170
R0502-01-0019	30	M80 x 120	9625	29	90	45	130	165	338	140	170
R0502-01-0020	35	M90 x 135	14000	29	90	45	130	165	338	140	170

Golfare girevole destinato al sollevamento di carichi da assemblare al carico stesso mediante idoneo foro filettato generalmente utilizzato per girare o ribaltare carichi pesanti.

- Coefficiente di sicurezza 4 in tutte le direzioni di carico
- Progettato, testato e certificato secondo norme tecniche GS-MO 1504 - EN 1677
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Testato 100 % magnaflux
- Testato a 20.000 cicli di fatica
- Filettatura e lunghezza gambo fuori standard su richiesta
- Orientabile a 360° con anello ribaltabile a 180° autoallineante
- Assemblato con sfere per facilitare l'orientamento del carico
- Sul tiro assiale è consentito uno scostamento di +/-5° con una riduzione della portata del 10 %

Turning eyebolt needed to lift loads to assemble to the load itself with specific threaded hole generally used to turn or tilt heavy loads.

- Coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-MO 1504 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 stress cycles
- Non standard threading and stem length upon request
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity

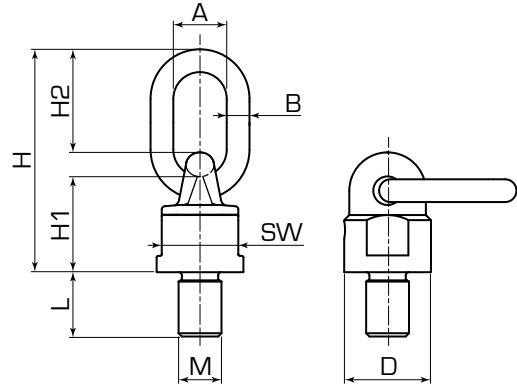
## R0502 Golfare girevole con anello - 800 Rotating eye bolt with ring - 800



### CARTEC80

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0502-01-	0022	0023	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020
			M x L	M8 x 16	M8 x 18	M10 x 18	M12 x 18	M12 x 25	M16 x 20	M16 x 30	M20 x 30	M20 x 30	M24 x 30	M30 x 35	M30 x 45	M30 x 35	M30 x 45	M36 x 54	M42 x 63	M48 x 60	M56 x 78	M64 x 96	M72 x 108	M80 x 120	M90 x 130
	1	0°		0.6	0.6	0.6	1	1	2	2	2	4	6.3	10.6	10.6	12.5	12.5	12.5	15	25	25	25	35	35	35
	2	0°		1.2	1.2	1.2	2	2	4	4	4	8	12.5	21.2	21.2	25	25	25	30	50	50	50	70	70	70
	1	90°		0.3	0.3	0.3	0.5	0.5	1.12	1.12	1.12	2	3.15	5.3	5.3	8	8	8	10	15	15	15	25	30	35
	2	90°		0.6	0.6	0.6	1	1	2	2	2	4	6.3	10.6	10.6	16	16	16	20	30	30	30	50	60	70
	2	0 - 45°		0.42	0.42	0.42	0.75	0.75	1.5	1.5	1.5	2.8	4.25	7.1	7.1	11.2	11.2	11.2	14	21	21	21	35	42	49
	2	45° - 60°		0.3	0.3	0.3	0.5	0.5	1.12	1.12	1.12	2	3.15	5.3	5.3	8	8	8	10	15	15	15	25	30	35
	2	assimm. asymm.		0.3	0.3	0.3	0.5	0.5	1.12	1.12	1.12	2	3.15	5.3	5.3	8	8	8	10	15	15	15	25	30	35
	3 - 4	0° - 45°		0.63	0.63	0.63	1.1	1.1	2.36	2.36	2.36	4	6.3	11.2	11.2	16.8	16.8	16.8	21.2	31.5	31.5	31.5	52.2	63	73.5
	3 - 4	45° - 60°		0.45	0.45	0.45	0.75	0.75	1.6	1.6	1.6	3	4.75	8	8	12	12	12	15	22.5	22.5	22.5	37.5	45	52.2
	3 - 4	assimm. asymm.		0.3	0.3	0.3	0.5	0.5	1.12	1.12	1.12	2	3.15	5.3	5.3	8	8	8	10	15	15	15	25	30	35

## R0717 Golfare girevole con anello - 800X Rotating eye bolt with ring - 800X



### CARTEC100

#### Descrizione:

Nota: non idoneo per il movimento rotatorio continuato a pieno carico.  
Disponibile, su richiesta, filettatura e lunghezza gambo fuori standard.

#### Description:

Nota: not suitable for continuous rotation movement during loading.  
Available, on demand, not standard threading and stem length.

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)						
					A	B	H2	H1	H	SW	D
R0717-20-0001	0.3	M8 x 16	16	0.48	30	13	46	50	105	30	38
R0717-20-0002	0.3	M8 x 18	16	0.48	30	13	46	50	105	30	38
R0717-20-0003	0.5	M10 x 18	16	0.48	30	13	46	50	105	30	38
R0717-20-0004	0.7	M12 x 18	28	0.5	30	13	46	50	105	30	38
R0717-20-0005	1	M14 x 20	46	0.53	30	13	46	50	105	30	38
R0717-20-0006	1.4	M16 x 20	70	0.53	30	13	46	50	105	30	38
R0717-20-0007	1.7	M20 x 30	135	0.53	30	13	46	50	105	30	38
R0717-20-0008	1.7	M24 x 30	135	0.53	30	13	46	50	105	30	38
R0717-20-0009	2.5	M20 x 30	135	1.05	34	16	57	61	131	40	50
R0717-20-0010	4	M24 x 30	230	1.63	40	18	70	68	153	48	58
R0717-20-0011	4	M30 x 35	465	1.63	40	18	70	68	153	48	58
R0717-20-0012	6.7	M30 x 35	465	2.85	45	22	65	71	156	70	80
R0717-20-0013	8	M30 x 45	465	4.4	50	23	91	86	200	80	90
R0717-20-0014	10	M36 x 54	814	4.62	50	23	91	86	200	80	90
R0717-20-0015	12.5	M42 x 63	1304	5.2	50	23	91	86	200	80	90
R0717-20-0016	12.5	M45 x 60	1670	5.2	50	23	91	86	200	80	90
R0717-20-0017	12.5	M48 x 72	1981	5.2	50	23	91	86	200	80	90
R0717-20-0018	16	M45 x 60	1670	10.9	70	32	120	112	262	100	120
R0717-20-0019	17	M48 x 60	1981	10.9	70	32	120	112	262	100	120
R0717-20-0020	18	M56 x 78	3000	10.9	70	32	120	112	262	100	120
R0717-20-0021	20 (25)	M64 x 96	4738	10.9	70	32	120	112	262	100	120
R0717-20-0022	28	M64 x 96	4738	29	90	45	124	165	333	140	170
R0717-20-0023	31.5	M72 x 108	6913	29	90	45	124	165	333	140	170
R0717-20-0024	35	M80 x 120	9625	29	90	45	124	165	333	140	170
R0717-20-0025	40	M90 x 135	14000	29	90	45	124	165	333	140	170

Golfare girevole destinato al sollevamento di carichi da assemblare al carico stesso mediante idoneo foro filettato generalmente utilizzato per girare o ribaltare carichi pesanti.

- Coefficiente di sicurezza 4 in tutte le direzioni di carico
- Progettato, testato e certificato secondo norme tecniche GS-MO 1504 - EN 1677
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Testato 100 % magnaflux
- Testato a 20.000 cicli di fatica
- Filettatura e lunghezza gambo fuori standard su richiesta
- Orientabile a 360° con anello ribaltabile a 180° autoallineante
- Assemblato con sfere per facilitare l'orientamento del carico
- Sul tiro assiale è consentito uno scostamento di +/-5° con una riduzione della portata del 10 %

Turning eyebolt needed to lift loads to assemble to the load itself with specific threaded hole generally used to turn or tilt heavy loads.

- Coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-MO 1504 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 stress cycles
- Non standard threading and stem length upon request
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity

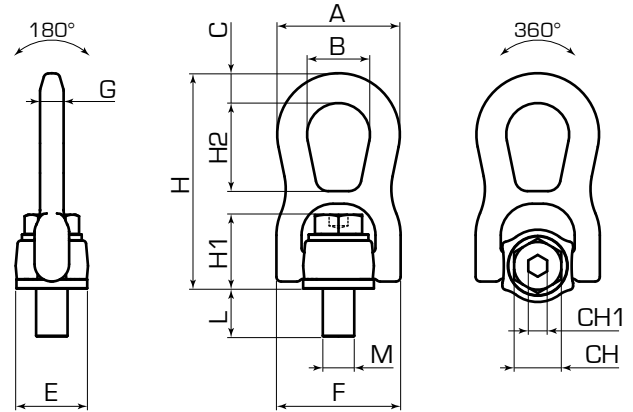
## R0717 Golfare girevole con anello - 800X Rotating eye bolt with ring - 800X



### CARTEC100

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0717-20-	0001	0003	0004	0005	0006	0007	0009	0010	0012	0013	0014	0015	0018	0019	0020	0021	0022	0023	0024	0025
			M x L	M8 x 16	M10 x 18	M12 x 18	M14 x 20	M16 x 20	M20 x 30	M20 x 30	M24 x 30	M30 x 35	M30 x 45	M36 x 54	M42 x 63	M45 x 60	M48 x 60	M56 x 78	M64 x 96	M64 x 96	M72 x 108	M80 x 120	M90 x 135
	1	0°		0.6	1	1.4	2	2.8	3.4	5	8	12	12.5	15	15	25	25	25	25	32.5	50	50	50
	2	0°		1.2	2	2.4	4	5.6	6.8	10	16	26.8	25	30	34	50	50	50	50	84	100	100	100
	1	90°		0.3	0.5	0.7	1	1.4	1.7	2.5	4	6.7	8	10	12.5	16	17	18	20	28	31.5	35	40
	2	90°		0.6	1	1.4	2	2.8	3.4	5	8	13.4	16	20	25	30	34	36	40	56	63	70	80
	2	0 - 45°		0.42	0.75	1	1.4	2	2.4	3.5	5.6	9.4	11.2	14	17.5	21.2	23.5	25.2	28	39.2	44.1	49	56
	2	45° - 60°		0.3	0.5	0.7	1	1.4	1.7	2.5	4	6.7	8	10	12.5	15	17	18	20	28	31.5	35	40
	2	assimm. asymm.		0.3	0.5	0.7	1	1.4	1.7	2.5	4	6.7	8	10	12.5	15	17	18	20	28	31.5	35	40
	3 - 4	0° - 45°		0.63	1	1.4	2.1	3	3.6	5.3	8.4	14	16.8	21.2	26.2	31.5	35.7	37	42.5	58.8	66.2	73.5	85
	3 - 4	45° - 60°		0.45	0.75	1	1.5	2.1	2.5	3.7	6	10	12	15	18.7	22.4	25.5	27	30	42	47.2	52.5	60
	3 - 4	assimm. asymm.		0.3	0.5	0.7	1	1.4	1.7	2.5	4	6.7	8	10	12.5	15	17	18	20	28	31.5	35	40

## R0718 Golfare girevole con snodo - 811X Rotating eye bolt with hoist ring - 811X



### CARTEC100

#### Descrizione:

Nota: il dispositivo non è idoneo alla rotazione sotto carico.  
Disponibile, su richiesta, filettatura e lunghezza gambo fuori standard.

#### Description:

Note: the device is not suitable for rotation during loading.  
Available, on demand, not standard threading and stem length.

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)										
					A	B	C	E	F	G	H	H2	H1	CH	CH1
R0718-20-0001	0.3	M8 x 12	10	0.375	56	28	14	30	55	11	99	40	33.5	13	5
R0718-20-0002	0.6	M10 x 15	15	0.375	56	28	14	30	55	11	99	40	34.5	17	6
R0718-20-0003	1	M12 x 18	25	0.375	56	28	14	30	55	11	99	40	35.5	19	7
R0718-20-0004	1.3	M14 x 21	30	1.3	74.5	38	18	47	78	17	135.5	55	46	22	7
R0718-20-0005	1.6	M16 x 25	60	1.3	74.5	38	18	47	78	17	135.5	55	46.5	24	10
R0718-20-0006	2	M18 x 27	100	1.3	74.5	38	18	47	78	17	135.5	55	47	27	10
R0718-20-0007	2.5	M20 x 30	120	1.3	74.5	38	18	47	78	17	135.5	55	48	30	12
R0718-20-0008	3	M22 x 33	130	4	106	56	25	62	114.5	22	198.5	84	63.5	32	12
R0718-20-0009	4	M24 x 36	200	4	106	56	25	62	114.5	22	198.5	84	64.5	36	14
R0718-20-0010	5	M27 x 40	250	4	106	56	25	62	114.5	22	198.5	84	66.5	41	14
R0718-20-0011	6.3	M30 x 45	350	4	106	56	25	62	114.5	22	198.5	84	68	46	17

Punto di ancoraggio destinato al sollevamento dei carichi.

- Coefficiente di sicurezza 5 in tutte le direzioni di carico
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Orientabile a 360°
- Testato 100 % magnaflux
- Testato a 20.000 cicli di fatica
- La vite viene protetta con il sistema GEOMET che garantisce una protezione durevole nel tempo
- Ideali per ancoraggi a 90°
- Vite imperdibile
- Le viti dei golfari sono state realizzate per poter essere serrate anche con chiavi esagonali universali

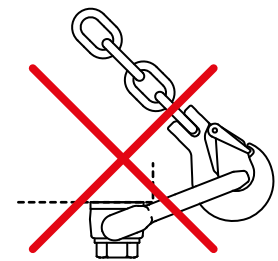
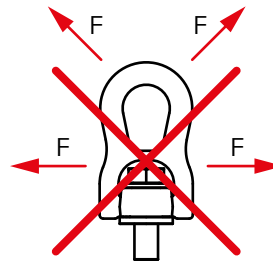
Utilizzare il dispositivo con la vite fornita in dotazione, in caso di sostituzione della vite STAMPERIA CARCANO SPA declina ogni responsabilità e garanzia.

Anchorage point for load lifting.

- Safety coefficient 5 in all loading directions
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 stress cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Ideal for fastening at 90°
- Captive screws
- Eyebolt screws have been realized also to hexagonal universal spanners

Please use the device with the screw supplied, if replaced STAMPERIA CARCANO SPA disclaims any and all responsibility or liability.

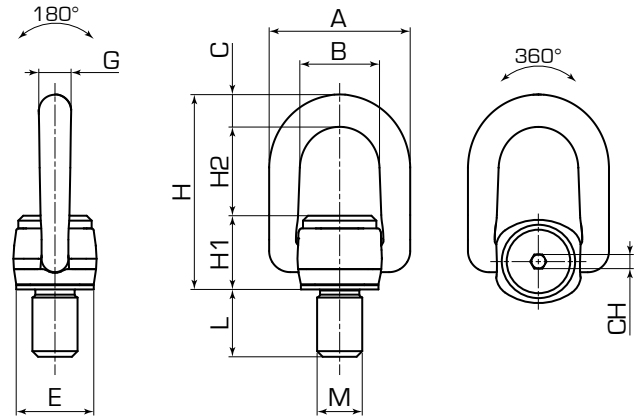
## R0718 Golfare girevole con snodo - 811X Rotating eye bolt with hoist ring - 811X



### CARTEC100

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0718-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011
			M x L	M8 x 12	M10 x 15	M12 x 18	M14 x 21	M16 x 25	M18 x 27	M20 x 30	M22 x 33	M24 x 36	M27 x 40	M30 x 45
	1	0°		0.5	1	1.3	2	2.5	3	3.5	4.5	5.5	6.5	7
	2	0°		1	2	2.6	4	5	6	7	9	11	13	14
	1	90°		0.3	0.6	1	1.3	1.6	2	2.5	3	4	5	6.3
	2	90°		0.6	1.2	2	2.6	3.2	4	5	6	8	10	12.6
	2	0 - 45°		0.4	0.8	1.4	1.8	2.2	2.8	3.5	4.2	5.6	7	8.8
	2	45° - 60°		0.3	0.6	1	1.3	1.6	2	2.5	3	4	5	6.3
	2	assimm. asymm.		0.3	0.6	1	1.3	1.6	2	2.5	3	4	5	6.3
	3 - 4	0° - 45°		0.6	1.3	2.1	2.7	3.4	4.2	5.3	6.3	8.4	10.5	13.2
	3 - 4	45° - 60°		0.45	0.9	1.5	1.9	2.4	3	3.7	4.5	6	7.5	9.4
	3 - 4	assimm. asymm.		0.3	0.6	1	1.3	1.6	2	2.5	3	4	5	6.3

## R0719 Golfare girevole con snodo - 812X Rotating eye bolt with hoist ring - 812X



### CARTEC100

#### Descrizione:

Nota: il dispositivo non è idoneo alla rotazione sotto carico.  
Disponibile, su richiesta, filettatura e lunghezza gambo fuori standard.

#### Description:

Note: the device is not suitable for rotation during loading.  
Available, on demand, not standard threading and stem length.

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)									
					A	B	C	E	F	G	H	H2	H1	CH
R0719-20-0001	8	M33 x 50	600	6	150	85	32	76,5	150	32	220	108	80	17
R0719-20-0002	10	M36 x 54	814	6	150	85	32	76,5	150	32	220	108	80	17
R0719-20-0003	10	M39 x 58	814	6	150	85	32	76,5	150	32	220	108	80	17
R0719-20-0004	12.5	M42 x 63	1304	6	150	85	32	76,5	150	32	220	108	80	17
R0719-20-0005	15	M45 x 63	1670	10.5	176	100	39	95	176	39	257	128	90	17
R0719-20-0006	17	M48 x 68	1981	10.5	176	100	39	95	176	39	257	128	90	17
R0719-20-0007	20	M52 x 68	1981	10.5	176	100	39	95	176	39	257	128	90	17
R0719-20-0008	25	M56 x 78	3000	16.3	200	113	46	110	200	46	277	126	105	19
R0719-20-0009	35	M64 x 90	478	16.3	200	113	46	110	200	46	277	126	105	19
R0719-20-0010	25	M72 x 90	6913	16.3	200	113	46	110	200	46	277	126	105	19
R0719-20-0011	35	M80 x 90	9625	16.3	200	113	46	110	200	46	277	126	105	19
R0719-20-0012	35	M90 x 90	14000	16.3	200	113	46	110	200	46	277	126	105	19
R0719-20-0013	35	M100 x 90	14000	16.3	200	113	46	110	200	46	277	126	105	19

Punto di ancoraggio destinato al sollevamento dei carichi.

- Coefficiente di sicurezza 4 in tutte le direzioni di carico
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Orientabile a 360°
- Testato 100 % magnaflux
- Testato secondo EN 1677
- Ideali per ancoraggi a 90°
- Vite imperdibile
- Le viti dei golfari sono state realizzate per poter essere serrate anche con chiavi esagonali universali

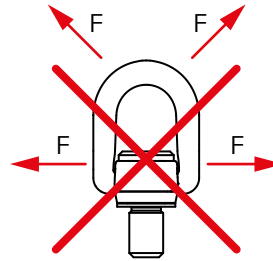
Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested according to EN 1677
- Ideal for fastening at 90°
- Captive screws
- Eyebolt screws have been realized also to hexagonal universal spanners



## R0719

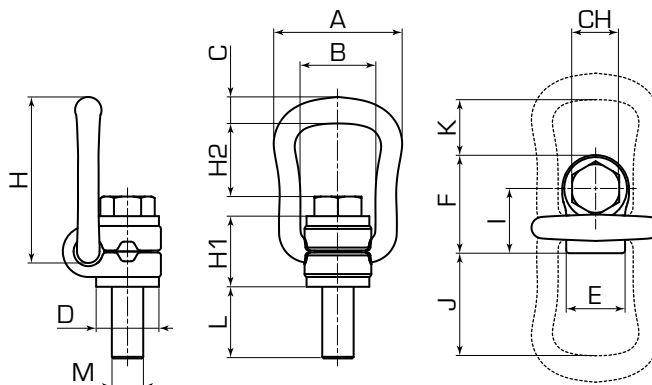
Golfare girevole con snodo - 812X  
Rotating eye bolt with hoist ring - 812X



### CARTEC100

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0719-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013
			M x L	M33 x 50	M36 x 54	M39 x 58	M42 x 63	M45 x 63	M48 x 68	M52 x 68	M56 x 78	M64 x 90	M72 x 90	M80 x 90	M90 x 90	M100 x 90
	1	0°		8	10	10	12.5	15	17	20	25	35	25	35	35	35
	2	0°		16	20	20	25	30	34	40	50	70	50	70	70	70
	1	90°		8	10	10	12.5	15	17	20	25	35	25	35	35	35
	2	90°		16	20	20	25	30	34	40	50	70	50	70	70	70
	2	0 - 45°		11.2	14	14	17.5	21	24	28	35	49	35	49	49	49
	2	45° - 60°		8	10	10	12.5	15	17	20	25	35	25	35	35	35
	2	assimm. asymm.		8	10	10	12.5	15	17	20	25	35	25	35	35	35
	3 - 4	0° - 45°		16.8	21	21	26.3	32	36	42	52.5	73.5	52.5	73.5	73.5	73.5
	3 - 4	45° - 60°		12	15	15	18.8	22.5	25.5	30	37.5	52.5	25	52.2	52.2	52.2
	3 - 4	assimm. asymm.		8	10	10	12.5	15	17	20	25	35	25	35	35	35

## R0720 Golfare girevole con staffa - 806X Rotating eye bolt with clamp - 806X



### CARTEC100

#### Descrizione:

Nota: il dispositivo non è idoneo alla rotazione sotto carico.  
Disponibile, su richiesta, filettatura e lunghezza gambo fuori standard.

#### Description:

Note: the device is not suitable for rotation during loading.  
Available, on demand, not standard threading and stem length.

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)												
					A	B	C	H	E	F	H1	I	D	H2	J	K	CH
R0720-20-0001	0.3	M8 x 15	30	0.275	57	34	10	78	24	41	30	26.5	25	43	51	35	13
R0720-20-0002	0.63	M10 x 15	60	0.29	57	34	10	78	24	41	30	26.5	25	42	51	35	17
R0720-20-0003	1	M12 x 23	100	0.5	66	38	13.5	85	30	50	36	33	32	40	52	28	19
R0720-20-0004	1.5	M16 x 24	150	0.51	66	38	13.5	85	30	50	36	33	32	38	52	28	24
R0720-20-0005	2.5	M20 x 31	250	1.25	87	55	16	111	48	68	44	42.5	45	54	71	36	30
R0720-20-0006	4	M24 x 37	400	1.3	87	55	16	111	48	68	44	42.5	45	51	71	36	36
R0720-20-0007	4	M27 x 37	400	3.15	109	66	22.5	145	54	91	63	58.5	60	64	86	47	41
R0720-20-0008	5	M30 x 45	500	3.25	109	66	22.5	145	54	91	65	58.5	60	62	86	47	46
R0720-20-0009	7	M36 x 50	700	3.3	109	66	22.5	145	54	91	55	58.5	60	60	86	43	55
R0720-20-0010	8	M36 x 59	800	5.9	136	78	28	190	62	108	81	72.5	70	88	115	74	55
R0720-20-0011	10	M42 x 75	925	6.5	136	78	28	190	62	108	75	72.5	70	86	115	70	65
R0720-20-0012	15	M42 x 63	1500	11.2	169	97	36	242	68	131	89	87.5	85	121	151	97	65
R0720-20-0013	20	M48 x 71	2000	11.6	169	97	36	242	68	131	89	87.5	95	117	151	93	75

Punto di ancoraggio destinato al sollevamento dei carichi.

- Coefficiente di sicurezza 4 in tutte le direzioni di carico
- Progettato, testato e certificato secondo norme tecniche GS-OA 15-04 - EN 1677
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Orientabile a 360°
- Testato 100 % magnaflux
- Testato a 20.000 cicli di fatica
- La vite viene protetta con il sistema GEOMET che garantisce una protezione durevole nel tempo
- Filettatura e lunghezza gambo fuori standard su richiesta
- Ideali per ancoraggi a 90°
- Vite imperdibile
- Le viti dei golfari dalla misura M36 o superiori sono state realizzate per poter essere serrate anche con chiavi esagonali universali.

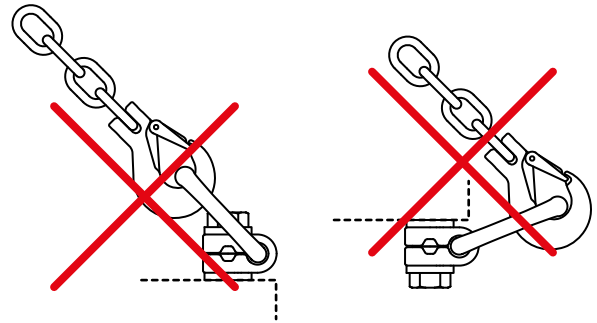
Utilizzare il dispositivo con la vite fornita in dotazione, in caso di sostituzione della vite STAMPERIA CARCANO SPA declina ogni responsabilità e garanzia.

Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 stress cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Non standard threading and stem length upon request
- Ideal for fastening at 90°
- Captive screws
- Eyebolt screws size M36 or bigger have been realized also to hexagonal universal spanners.

Please use the device with the screw supplied, if replaced STAMPERIA CARCANO SPA disclaims any and all responsibility or liability.

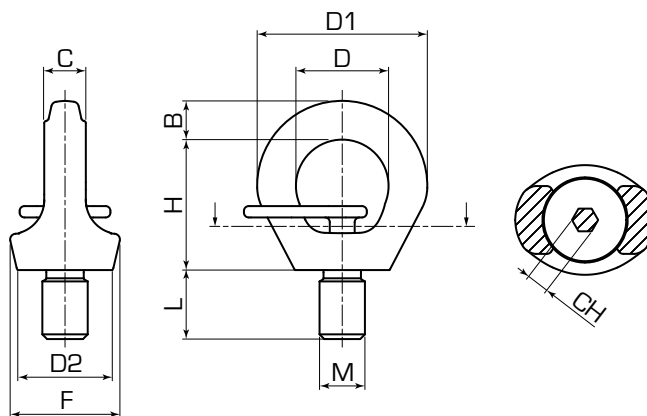
## R0720 Golfare girevole con staffa - 806X Rotating eye bolt with clamp - 806X



### CARTEC100

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0720-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013
			M x L	M8 x 15	M10 x 15	M12 x 23	M16 x 24	M20 x 31	M24 x 37	M27 x 37	M30 x 45	M36 x 50	M36 x 59	M42 x 75	M42 x 63	M48 x 71
	1	0°		0.3	0.63	1	1.5	2.5	4	4	5	7	8	10	15	20
	2	0°		0.6	1.26	2	3	5	8	8	10	14	16	20	30	40
	1	90°		0.3	0.63	1	1.5	2.5	4	4	5	7	8	10	15	20
	2	90°		0.6	1.26	2	3	5	8	8	10	14	16	20	30	40
	2	0 - 45°		0.42	0.88	1.4	2.1	3.5	5.6	5.6	7	9.8	11.2	14	21	28
	2	45° - 60°		0.3	0.63	1	1.5	2.5	4	4	5	7	8	10	15	20
	2	assimm. asymm.		0.3	0.63	1	1.5	2.5	4	4	5	7	8	10	15	20
	3 - 4	0° - 45°		0.63	1.32	2.1	3.15	5.25	8.4	8.4	10.5	14.7	16.8	21	31.5	42
	3 - 4	45° - 60°		0.45	0.95	1.5	2.25	3.75	6	6	7.5	10.4	12	15	22.5	30
	3 - 4	assimm. asymm.		0.3	0.63	1	1.5	2.5	4	4	5	7	8	10	15	20

## R0721 Golfare girevole H.T. - 807X HT Rotating eye bolt H.T. - 807X HT



**CARTEC100**

**Descrizione:**

Nota: il dispositivo non è idoneo alla rotazione sotto carico

**Description:**

Note: the device is not suitable for rotation during loading

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)							
					H	B	C	D	D2	F	D1	CH
R0721-20-0001	0.3	M8 x 12	8	0.12	33.7	10	9.8	25	25.5	30	46	6
R0721-20-0002	0.4	M10 x 15	16	0.12	33.7	10	9.8	25	25.5	30	46	6
R0721-20-0003	0.75	M12 x 18	25	0.2	41.5	12.5	11.5	30	30.6	36.5	55.5	8
R0721-20-0004	0.75	M14 x 18	30	0.2	41.5	12.5	11.5	30	30.6	36.5	55.5	8
R0721-20-0005	1.5	M16 x 24	60	0.35	49.5	14.5	15.7	35	36.5	42	64.5	10
R0721-20-0006	1.5	M18 x 24	70	0.35	49.5	14.5	15.7	35	36.5	42	64.5	10
R0721-20-0007	2.3	M20 x 30	110	0.6	58	16	18	40	42	52.5	74.5	12
R0721-20-0008	2.3	M22 x 30	120	0.6	58	16	18	40	42	52.5	74.5	12
R0721-20-0009	3.2	M24 x 36	195	1	69	20.5	22	49	50	61	90	12
R0721-20-0010	3.2	M27 x 36	240	1	69	20.5	22	49	50	61	90	12
R0721-20-0011	4.5	M30 x 45	320	2	86	25.5	28	60	66	75	111	17
R0721-20-0012	4.5	M33 x 45	350	2	86	25.5	28	60	66	75	111	17
R0721-20-0013	7	M36 x 55	585	3.4	105	32	30	74	77	96.5	135	22
R0721-20-0014	9	M42 x 65	920	5.7	118	38	37	82	87	110	158	24
R0721-20-0015	12	M48 x 72	1590	8.5	137	43	38	95	102	124.5	180	27

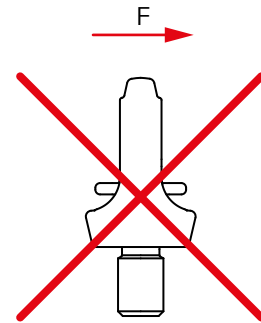
Punto di ancoraggio destinato al sollevamento dei carichi.

- Coefficiente di sicurezza 4 in tutte le direzioni di carico
- Progettato, testato e certificato secondo norme tecniche GS-OA15-04 - EN 1677
- Idoneo al sollevamento in sicurezza secondo direttiva macchine 2006/42/EC
- Orientabile a 360°
- Testato 100 % magnaflux
- Testato a 20.000 cicli di fatica
- Ideali per ancoraggi a 90°
- Vite imperdibile
- Sul tiro assiale è consentito uno scostamento di +/-5° con una riduzione della portata del 10 %

Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 stress cycles
- Ideal for fastening at 90°
- Captive screws
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity

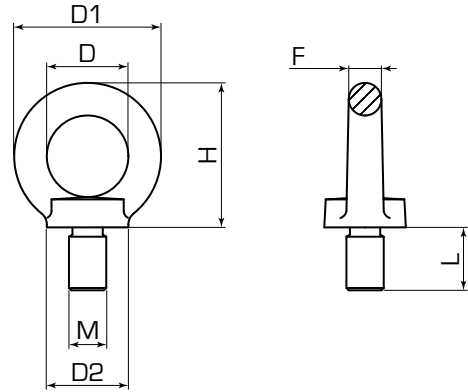
## R0721 Golfare girevole H.T. - 807X HT Rotating eye bolt H.T. - 807X HT



### CARTEC100

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0721-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015
			M x L	M8 x 12	M10 x 15	M12 x 18	M14 x 18	M16 x 24	M18 x 24	M20 x 30	M22 x 30	M24 x 36	M27 x 36	M30 x 45	M33 x 45	M36 x 55	M42 x 65	M48 x 72
	1	0°		1	1	2	2	4	4	6	6	8	8	12	12	16	24	32
	2	0°		2	2	4	4	8	8	12	12	16	16	24	24	32	45	64
	1	90°		0.3	0.4	0.75	0.75	1.5	1.5	2.3	2.3	3.2	3.2	4.5	4.5	7	9	12
	2	90°		0.6	0.8	1.5	1.5	3	3	4.6	4.6	6.4	6.4	9	9	14	18	24
	2	0 - 45°		0.42	0.56	1	1	2	2	3.22	3.22	4.48	4.48	6.3	6.3	9.8	12.6	16.8
	2	45° - 60°		0.3	0.4	0.75	0.75	1.5	1.5	2.3	2.3	3.2	3.2	4.5	4.5	7	9	12
	2	assimm. asymm.		0.3	0.4	0.75	0.75	1.5	1.5	2.3	2.3	3.2	3.2	4.5	4.5	7	9	12
	3 - 4	0° - 45°		0.63	0.84	1.6	1.6	3.15	3.15	4.83	4.83	6.7	6.7	9.4	9.4	14.7	18.9	25.2
	3 - 4	45° - 60°		0.45	0.6	1.12	1.12	2.25	2.25	3.45	3.45	4.8	4.8	6.7	6.7	10.5	13.5	18
	3 - 4	assimm. asymm.		0.3	0.4	0.75	0.75	1.5	1.5	2.3	2.3	3.2	3.2	4.5	4.5	7	9	12

## R0722 Golfare orientabile con vite 8.8 - 801 Rotating eye bolt with screw 8.8 - 801



**CARTEC80**

**Descrizione:**

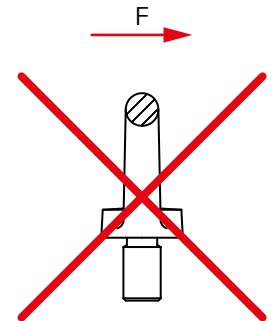
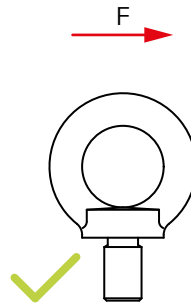
Coefficiente di sicurezza: 4  
Nota: avvitare con chiave

**Description:**

Safety ratio: 4  
Note: to be screwed with appropriate spanner

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)				
					D	D1	D2	F	H
R0722-20-0001	0.1	M6 x 15	3.5	0.09	25	45	25	10	45
R0722-20-0002	0.2	M8 x 15	8	0.09	25	45	25	10	45
R0722-20-0003	0.25	M10 x 16	16	0.11	25	45	25	10	45
R0722-20-0004	0.4	M12 x 22	28	0.27	35	63	35	14	62
R0722-20-0005	0.75	M14 x 20	45	0.29	35	63	35	14	62
R0722-20-0006	1	M16 x 29	70	0.31	35	63	35	14	62
R0722-20-0007	1.5	M20 x 32	135	0.86	50	90	50	20	90
R0722-20-0008	2	M24 x 40	230	0.9	50	90	50	20	90
R0722-20-0009	3	M30 x 45	465	1.7	60	108	65	24	109

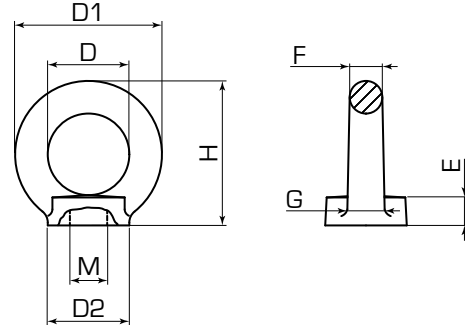
## R0722 Golfare orientabile con vite 8.8 - 801 Rotating eye bolt with screw 8.8 - 801



### CARTEC80

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0722-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009
			M x L	M6 x 15	M8 x 15	M10 x 16	M12 x 22	M14 x 20	M16 x 29	M20 x 32	M24 x 40	M30 x 45
	1	0°		0.4	0.8	1	1.6	3	4	6	8	12
	2	0°		0.8	1.6	2	3.2	6	8	12	16	24
	1	90°		0.1	0.2	0.25	0.4	0.75	1	1.5	2	3
	2	90°		0.2	0.4	0.5	0.8	1.5	2	3	4	6
	2	0 - 45°		0.14	0.28	0.35	0.56	1	1.4	2.1	2.8	4.2
	2	45° - 60°		0.1	0.2	0.25	0.4	0.75	1	1.5	2	3
	3 - 4	0° - 45°		0.2	0.4	0.5	0.8	1.5	2	3	4	6
	3 - 4	45° - 60°		0.14	0.28	0.35	0.56	1	1.4	2.1	2.8	4.2

## R0723 Golfare femmina 8.8 - 802 Eye nut 8.8 - 802



**CARTEC80**

**Descrizione:**

Coefficiente di sicurezza: 4  
Nota: avvitare a mano

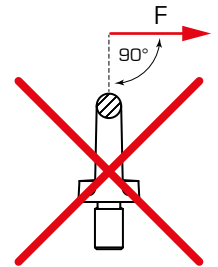
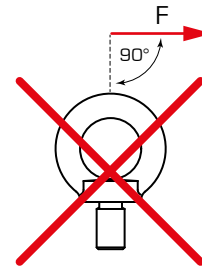
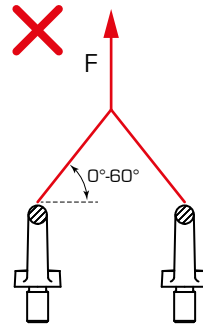
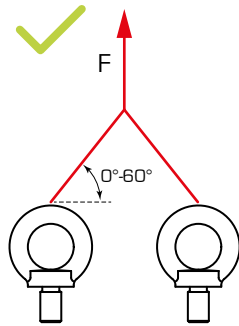
**Description:**

Safety ratio: 4  
Note: to be screwed by hand

Codice Code	WLL (t)	M	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)					
					D	D1	D2	E	F	H
R0723-20-0001	0.4	M6	3.5	0.1	25	45	25	10	10	45
R0723-20-0002	0.8	M8	8	0.1	25	45	25	10	10	45
R0723-20-0003	1	M10	16	0.1	25	45	25	10	10	45
R0723-20-0004	1.6	M12	28	0.26	35	63	35	14	14	62
R0723-20-0005	3	M14	45	0.26	35	63	35	14	14	62
R0723-20-0006	4	M16	70	0.26	35	63	35	14	14	62
R0723-20-0007	5	M18	95	0.75	50	90	50	20	20	90
R0723-20-0008	6	M20	135	0.75	50	90	50	20	20	90
R0723-20-0009	8	M24	230	0.75	50	90	50	20	20	90
R0723-20-0010	10	M27	343	1.4	60	108	65	24	24	109
R0723-20-0011	12	M30	465	1.4	60	108	65	24	24	109



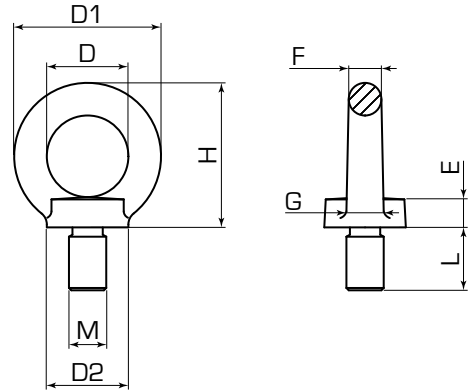
## R0723 Golfare femmina 8.8 - 802 Eye nut 8.8 - 802



### CARTEC80

	Numero di bracci Number of legs	Direzio- ne di Carico Load direction	Cod. R0723-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011
			M	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30
	1	0°		0.4	0.8	1	1.6	3	4	5	6	8	10	12
	2	0°		0.8	1.6	2	3.2	6	8	10	12	16	20	24
	2	0 - 45°		0.14	0.28	0.35	0.56	1	1.4	1.8	2.1	2.8	3.5	4.2
	2	45° - 60°		0.1	0.2	0.25	0.4	0.75	1	1.25	1.5	2	2.5	3
	3 - 4	0° - 45°		0.2	0.4	0.5	0.8	1.5	2	2.5	3	4	5	6
	3 - 4	45° - 60°		0.14	0.28	0.35	0.56	1	1.4	1.8	2.1	2.8	3.5	4.2

## R0724 Golfare maschio 8.8 - 803 Eye bolt 8.8 - 803



**CARTEC80**

**Descrizione:**

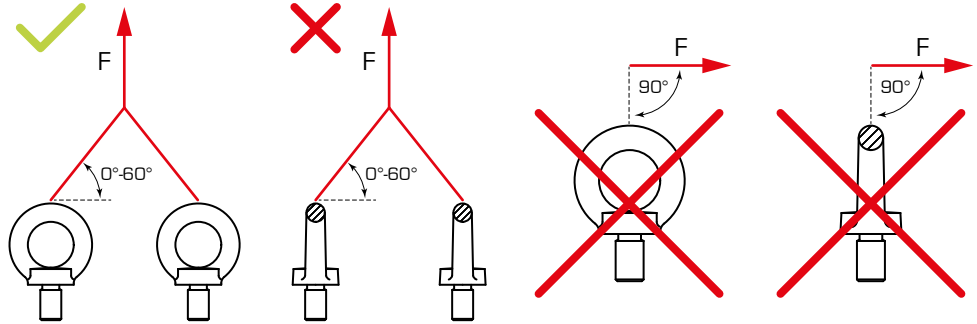
Coefficiente di sicurezza: 4  
Nota: avvitare a mano

**Description:**

Safety ratio: 4  
Note: to be screwed by hand

Codice Code	WLL (t)	M x L	Coppia Max. serraggio Max tightening Torque (Nm)	Peso Weight (Kg)	Dimensioni Dimensions (mm)					
					D	D1	D2	E	F	H
R0724-20-0001	0.4	M6 x 13	3.5	0.09	25	45	25	10	10	45
R0724-20-0002	0.8	M8 x 13	8	0.09	25	45	25	10	10	45
R0724-20-0003	1	M10 x 17	16	0.11	25	45	25	10	10	45
R0724-20-0004	1.6	M12 x 21	28	0.27	35	63	35	14	14	62
R0724-20-0005	3	M14 x 21	45	0.29	35	63	35	14	14	62
R0724-20-0006	4	M16 x 27	70	0.31	35	63	35	14	14	62
R0724-20-0007	5	M18 x 27	95	0.84	50	90	50	20	20	90
R0724-20-0008	6	M20 x 30	135	0.86	50	90	50	20	20	90
R0724-20-0009	7	M22 x 36	182	0.9	50	90	50	20	20	90
R0724-20-0010	8	M24 x 36	230	0.9	50	90	50	20	20	90
R0724-20-0011	10	M27 x 45	343	1.66	60	108	65	24	24	109
R0724-20-0012	12	M30 x 45	465	1.7	60	108	65	24	24	109
R0724-20-0013	14	M33 x 54	632	2	70	126	75	26	28	128
R0724-20-0014	16	M36 x 54	814	2.15	70	126	75	26	28	128
R0724-20-0015	24	M42 x 63	1304	4.15	80	144	85	30	32	147
R0724-20-0016	32	M48 x 68	1981	6.2	90	166	100	35	38	168
R0724-20-0017	36	M56 x 78	3000	8.8	100	184	110	38	42	187
R0724-20-0018	45	M64 x 90	4736	12.4	110	206	120	42	48	208

## R0724 Golfare maschio 8.8 - 803 Eye bolt 8.8 - 803



### CARTEC80

	Numero di bracci Number of legs	Direzione di Carico Load direction	Cod. R0724-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018
				M x L	M6 x 13	M8 x 13	M10 x 17	M12 x 21	M14 x 21	M16 x 27	M18 x 27	M20 x 30	M22 x 36	M24 x 36	M27 x 45	M30 x 45	M33 x 54	M36 x 54	M42 x 63	M48 x 68	M56 x 78
	1	0°		0.4	0.8	1	1.6	3	4	5	6	7	8	10	12	14	16	24	32	36	45
	2	0°		0.8	1.6	2	3.2	6	8	10	12	14	16	20	24	28	32	48	64	72	90
	2	0° - 45°		0.14	0.28	0.35	0.56	1	1.4	1.8	2.1	2.4	2.8	3.5	4.2	4.8	5.6	8.4	11.2	12.6	15.7
	2	45° - 60°		0.1	0.2	0.25	0.4	0.75	1	1.25	1.5	1.75	2	2.5	3	3.4	3.9	5.9	7.8	8.8	11
	3-4	0° - 45°		0.2	0.4	0.5	0.8	1.5	2	2.5	3	3.5	4	5	6	6.8	7.8	11.8	15.6	17.6	22
	3-4	45° - 60°		0.14	0.28	0.35	0.56	1	1.4	1.8	2.1	2.4	2.8	3.5	4.2	4.8	5.4	8.2	10.9	12.3	15.7

Lo sviluppo e la ricerca per la realizzazione di prodotti sempre più innovativi e di qualità ha permesso la realizzazione del CARTEC 100. Mantenendo inalterate le modalità dei sistemi di assemblaggio, mantenendo un sistema semplice e tradizionalmente accettato, la STAMPERIA CARCANO GIUSEPPE SPA promuove la sua linea di prodotto Gr 100 in modo da offrire una valida ed economica alternativa per un prodotto ad altissima qualità.

La STAMPERIA CARCANO GIUSEPPE SPA ha ottenuto l'omologazione "92" dall'ente tedesco DGUV di Hannover per la linea accessori per il sollevamento Gr 100. Quarta azienda ad oggi al mondo a conseguire tale prestigioso riconoscimento. I motivi per cui risulta utile ed economico utilizzare il CARTEC 100, sinteticamente sono i seguenti:

- nessuna sostanziale variazione nella forma e nelle dimensioni rispetto al gr 80
- il 25% in più della portata del gr 80, mantenendo assoluti gli standard di sicurezza
- un basso grado di usura vista l'alta resistenza del materiale
- la possibilità di valutare, con attenta osservanza dei carichi, un sistema di sollevamento più leggero rispetto allo standard in uso come gr 80, utilizzando la catena e gli accessori relativi (usare un sistema con catena Ø 6 anziché 7) e quindi ottenere imbrache più economiche
- gli accessori sono protetti epossidicamente, in tonalità pesca Ral 3022

The continuous improvements and research which are needed to offer products that are constantly innovative and top quality have led to the manufacture of CARTEC 100. By keeping the assembly system the same and keeping to a simple, traditionally acceptable system, the Grade 100 product line of STAMPERIA CARCANO GIUSEPPE SPA offers a valid and economic alternative for a top quality product.

STAMPERIA CARCANO GIUSEPPE SPA received "92" certification from the German agency DGUV, in Hanover, for the line of lifting accessories for the Grade 100 lifter. We are the fourth company in the world to be conferred this prestigious accreditation. What makes the CARTEC 100 advantageous and economic is summarized below:

- no substantial variation in the shape or dimensions compared to the Grade 80
- 25% more loading capacity than the Grade 80, with unvaried safety standards
- low wear rate given the exceptional resistance of the materials
- the ability to evaluate, with careful observation of the loads, a lifting system that is lighter than the current standards, such as the Grade 80, using the relative chain and accessories (the system uses a chain with diameter 6 instead of 7) and thus obtain more economical slings
- the accessories are protected with epoxy coating, in peach RAL 3022.

## Fattori di riduzione del carico

Variazione in % del carico di lavoro in funzione dell'aumento della temperatura.

## Load reduction factors

Variation in % of the safe working load in respect to the increase of temperature.

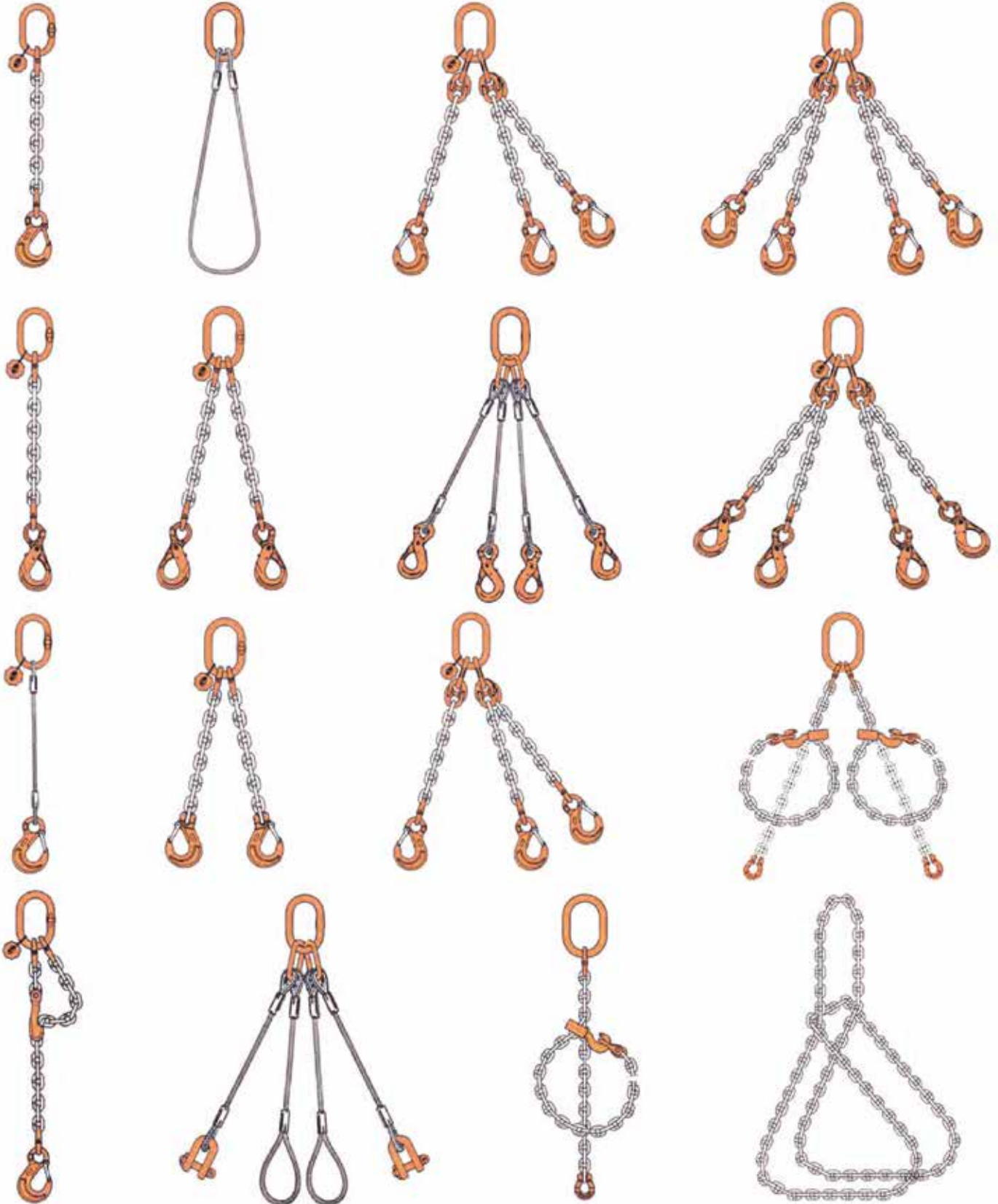
- 40 ≤ T < 200 °C	200 ≤ T < 300 °C	300 ≤ T < 380 °C
0	- 10%	- 25%

La STAMPERIA CARCANO si riserva il diritto di modificare le dimensioni dei prodotti indicati nel presente catalogo per esigenze produttive e/o commerciali garantendo comunque sempre i necessari accoppiamenti e la conformità alle normative di riferimento in vigore.

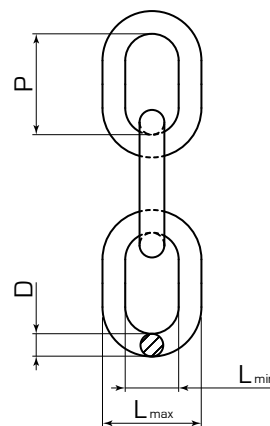
STAMPERIA CARCANO reserves the right to modify the sizes of products detailed in this catalogue for production and/or commercial reasons, ensuring however all the necessary couplings and the compliance with the reference norms in force.

ESEMPI DI UTILIZZO DEGLI ACCESSORI "LINEA CARTEC" PER LA COSTRUZIONE DI IMBRAGHE PER SOLLEVAMENTO

EXAMPLES OF USE OF "LINEA CARTEC" ACCESSORIES FOR THE CONSTRUCTION OF LIFTING SLINGS



## R0729 Catena grado 100 - C8182X Chain grade 100 - C8182X



**CARTEC100**

**Descrizione:**

Esempio di ordinativo: R0729-20 x Lunghezza catena

**Description:**

Example of purchasing order: R0729-20 x Chain length

Codice Code	D		WLL (t)	P	L min	L max	M.P.F. (KN)	B.F. (KN)	Peso Weight (Kg/m)	Freccia di flessione Bend deflection (mm)
	mm	inch								
R0729-20-0001	6	1/4	1.4	18	7.8	22.2	35.3	56.5	0.9	4.8
R0729-20-0002	7	9/32	1.9	21	9.1	25.9	48.1	77	1.2	5.6
R0729-20-0003	8	5/16	2.5	24	10.4	29.6	62.8	101	1.6	6.4
R0729-20-0004	10	3/8	4	30	13	37	98.2	157	2.5	8
R0729-20-0005	13	1/2	6.7	39	16.9	48.1	166	265	4.2	10
R0729-20-0006	16	5/8	10	48	20.8	59.2	251	402	6.2	13
R0729-20-0007	20	3/4	16	60	26	74	393	628	10	16
R0729-20-0008	22	7/8	19	66	28.6	81.4	475	760	11.9	18
R0729-20-0009	26	1	26.5	78	33.8	96.2	664	1060	16.3	21
R0729-20-0010	32	1 1/4	40	96	41.6	118	981	1570	24.3	26

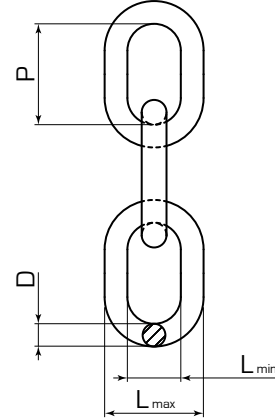
**Impiego della catena su spigolo**

**Use of the chain on the edge**

	<b><math>R \geq 2 \times D</math></b>	<b><math>R \geq D</math></b>	<b>Spigolo vivo Sharp edge</b>
<b>Fattore di riduzione Reduction factor</b>	1	0.7	0.5
<b>Carico impulsivo Impulsive load</b>	Leggera pulsazione Light impulse	Media pulsazione Medium impulse	Forte pulsazione Strong impulse
<b>Fattore di riduzione Reduction factor</b>	1	0.7	Non consentito Not allowed

### R0729 Catena grado 100 - C8182X

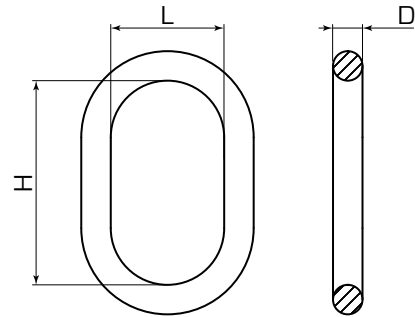
### Chain grade 100 - C8182X



### CARTEC100

	Tipo Imbraghe Slings type	Fattore di Carico Load factor	Direzione di Carico Load direction	Cod. R0729-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010
				D mm	6	7	8	10	13	16	20	22	26	32
	1 braccio 1 leg	1	0°		1.4	1.9	2.5	4	6.7	10	16	19	26.5	40
	1 braccio 1 leg	0.8	0°		1.12	1.5	2	3.15	5.3	8	12.8	15	21.2	31.5
	2 bracci 2 legs	1.4	0° - 45°		2	2.65	3.55	5.6	9.5	14	22.4	26.5	37.1	56
	2 bracci 2 legs	1	45° - 60°		1.4	1.9	2.5	4	6.7	10	16	19	26.5	40
	2 bracci 2 legs	1.12	0° - 45°		1.6	2.12	2.8	4.25	7.5	11.2	17.92	21.2	29.68	44.8
	2 bracci 2 legs	0.8	45° - 60°		1.12	1.5	2	3.15	5.3	8	12.8	15	21.2	31.5
	3 - 4 bracci 3 - 4 legs	2.1	0° - 45°		3	4	5.3	8.4	14	21.2	33.6	40	55.65	85
	3 - 4 bracci 3 - 4 legs	1.5	45° - 60°		2.12	2.8	3.75	6	10	15	24	28	39.75	60
	Anello Masterlink	1.6	0°		2.24	3	4	6.3	10.6	16	25.6	30	42.4	64
	Brache a cesto Legged slings	1.4	0° - 45°		2	2.65	3.55	5.6	9.5	14	22.4	26.5	37.1	56
	Brache a cesto Legged slings	2.1	0° - 45°		3	4	5.3	8	14	21.2	33.6	40	55.65	85

**R0733** Anello ovale, grado 100 - CMX  
Oblong masterlink, grade 100 - CMX

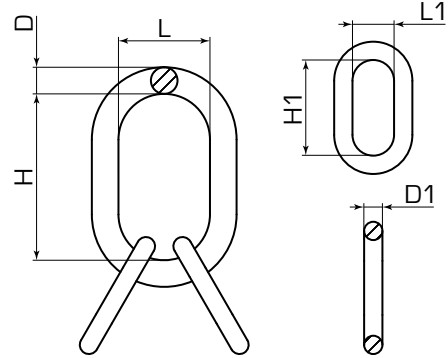


**CARTEC100**

Codice Code	Catena Chain (mm)	WLL (t)	D	H	L	Peso Weight (Kg)
R0733-20-0001	6	1.9	13	110	60	0.34
R0733-20-0002	7	2.5	16	110	60	0.53
R0733-20-0003	8	4	18	135	75	0.8
R0733-20-0004	10	6.7	22	160	90	1.6
R0733-20-0005	13	10	26	180	100	2.46
R0733-20-0006	16	12.5	32	200	110	4.14
R0733-20-0007	18	16	36	260	140	6.22
R0733-20-0008	20	19	40	300	160	8.95
R0733-20-0009	22	26.5	45	340	180	12.82
R0733-20-0010	26	40	51	350	190	16.55
R0733-20-0011	32	50	57	400	200	20



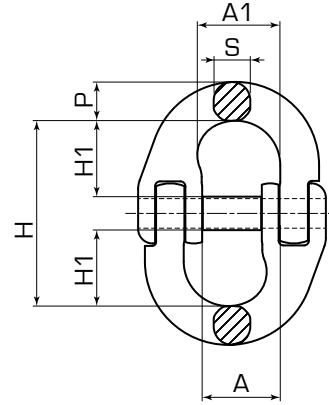
**R0734** Anello complesso, grado 100 - CMCX  
Sub-assembly, grade 100 - CMCX



CARTEC100

Codice Code	Catena Chain (mm)	WLL (t)	D	H	L	D1	H1	L1	Peso Weight (Kg)
R0734-20-0001	6	3	18	135	75	13	54	25	1.315
R0734-20-0002	7	4	18	135	75	13	54	25	1.315
R0734-20-0003	8	5.3	22	160	90	16	70	34	2.32
R0734-20-0004	10	8	26	180	100	18	85	40	3.52
R0734-20-0005	13	14	32	200	110	22	115	50	6.26
R0734-20-0006	16	21.2	36	260	140	26	140	65	9.56
R0734-20-0007	20	33.6	50	350	190	32	150	70	22.65
R0734-20-0008	22	40	50	350	190	36	170	75	25.19
R0734-20-0009	26	55.65	57	400	200	40	170	80	36.01
R0734-20-0010	32	85	71	460	250	50	200	100	45

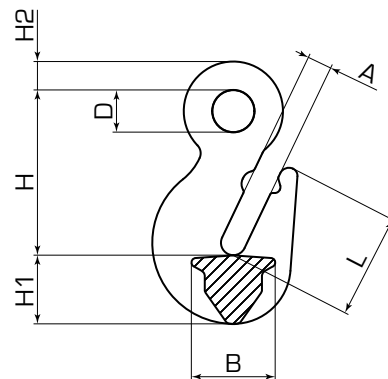
**R0735** Maglia di connessione, grado 100 - CLX  
Connecting link, grade 100 - CLX



**CARTEC100**

Codice Code	Catena Chain		WLL (t)	A	H1	A1	H	P	S	Peso Weight (Kg)
	mm	inch								
R0735-20-0001	6	1/4	1.4	14	18	18	45	8	7.5	0.07
R0735-20-0002	7	9/32	1.9	17.8	20	20.5	50.5	10.2	9	0.14
R0735-20-0003	8	5/16	2.5	19	25.5	23.5	62	11.5	10	0.2
R0735-20-0004	10	3/8	4	23.8	30	27.5	72	12.6	12.6	0.35
R0735-20-0005	13	1/2	6.7	28	36	33.3	97.3	19	16.7	0.74
R0735-20-0006	16	5/8	10	34.3	40.5	39.5	105	20.6	20.6	1.16
R0735-20-0007	20	3/4	16	42	46	46	113	29	25	2.5
R0735-20-0008	22	7/8	19	49	55	58	133	30	28	3.1
R0735-20-0009	26	1	26.5	57	85	70	192	40	30	6.8
R0735-20-0010	32	1 1/4	40	80	84.5	94.1	206	47	35	11.5

### R0736 Gancio accorciatore ad occhio, grado 100 - CDX, CDXS Eye grab hook, grade 100 - CDX, CDXS



### CARTEC100

#### Descrizione:

Esempio di ordinativo: R0736-20-0001

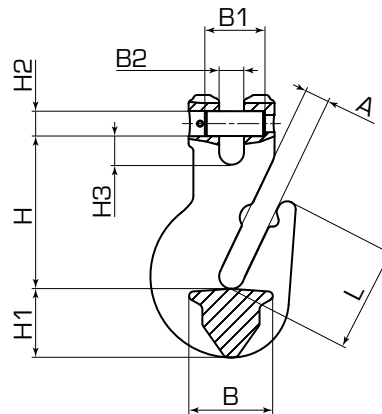
#### Description:

Example of purchasing order: R0736-20-0001

Codice Code	Catena Chain		WLL (t)	A	H2	B	H1	D	H	L	Peso Weight (Kg)	Tipo Type	
	mm	inch										senza sicura without latch	con sicura with latch
R0736-20-	6	1/4	1.4	8	8.5	22	22	13.5	53.5	35.5	0.18	0001	0002
R0736-20-	7 - 8	9/32 - 5/16	2.5	10	11	30	28	17	70	47	0.4	0003	0004
R0736-20-	10	3/8	4	13	15	44	34	22	86.5	55	0.88	0005	0006
R0736-20-	13	1/2	6.7	17	18	53	47	26	110.5	81	1.95	0007	0008
R0736-20-	16	5/8	10	19	21	64	60	32	129	92	3.2	0009	0010
R0736-20-	20	3/4	16	23.5	23	85	64	39	153.5	100	4.9	0011	
R0736-20-	22	7/8	19	26	30	87	71	2	184	115	7.5	0012	
R0736-20-	26	1	26.5	30.5	36	100	90	55	213	127	13	0013	
R0736-20-	32	1 1/4	40	38.5	44	160	112	59	245	200	30.5	0014	

### R0737 Gancio accorciatore a forcella, grado 100 - CFX, CFXS

#### Clevis grab hook, grade 100 - CFX, CFXS



**CARTEC100**

Descrizione:

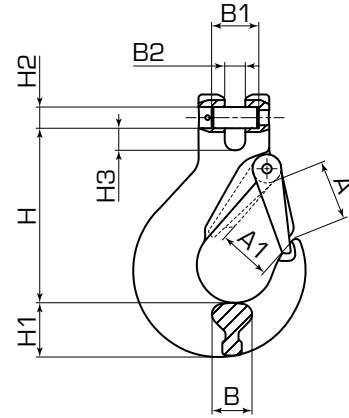
Esempio di ordinativo: R0737-20-0001

Description:

Example of purchasing order: R0737-20-0001

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	L	H2 x B1	Peso Weight (Kg)	Tipo Type	
	mm	inch											senza sicura without latch	con sicura with latch
R0737-20-	6	1/4	1.4	8	8	8.8	22	22	51.5	35.5	7.5 x 17.5	0.2	0001	0002
R0737-20-	7	9/32	1.9	10	10	11.4	30	28	66.5	47	9 x 22.5	0.44	0003	0004
R0737-20-	8	5/16	2.5	10	10	10.9	30	28	66	47	10 x 22.5	0.44	0005	0006
R0737-20-	10	3/8	4	13	13	15	44	34	79.9	55	13 x 31.5	0.96	0007	0008
R0737-20-	13	1/2	6.7	17	17	17.5	53	47	105.4	81	16 x 42	2.1	0009	0010
R0737-20-	16	5/8	10	19	19	18.3	64	60	111.8	92	21 x 51.5	3.4	0011	0012
R0737-20-	20	3/4	16	23.5	23	22	85	65	118	100	24 x 61.5	5.2	0013	
R0737-20-	22	7/8	19	26	26	25	92	68	154	120	26 x 72	7.8	0014	

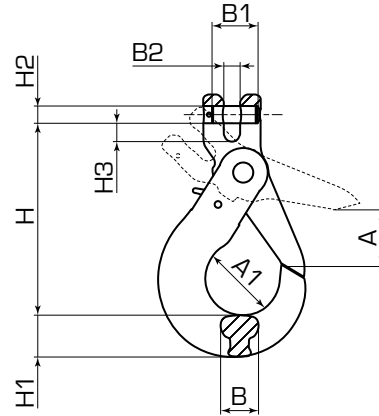
**R0738** Gancio a forcella, grado 100 - CBX  
Clevis sling hook, grade 100 - CBX



**CARTEC100**

Codice Code	Catena Chain		WLL (t)	A	A1	B2	H3	B	H1	H	H2 x B1	Peso Weight (Kg)
	mm	inch										
R0738-20-0001	6	1/4	1.4	26	19	7.2	8	15	20	69	7.5 x 17.5	0.25
R0738-20-0002	7	9/32	1.9	34	26	9.5	10	19	28	95	9 x 22.5	0.55
R0738-20-0003	8	5/16	2.5	34	26	9.5	10	19	28	95	10 x 22.5	0.5
R0738-20-0004	10	3/8	4	40	31	12	13.5	25	33	110	13 x 29.5	1
R0738-20-0005	13	1/2	6.7	51	40	15	17	30	40	136	16 x 37	1.7
R0738-20-0006	16	5/8	10	56	45	18	22	37	48	155	20 x 52	3.2
R0738-20-0007	20	3/4	16	60	53	23	26	51	52	185	24 x 73	5
R0738-20-0008	22	7/8	19	70	62	25	29	50	63	210	26 x 72	12.3

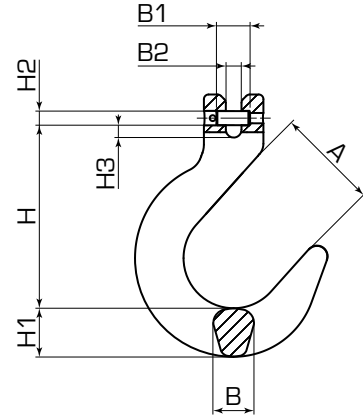
**R0739** Gancio di sicurezza a forcella, grado 100 - CRFX  
Self locking clevis hook, grade 100 - CRFX



**CARTEC100**

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	A1	H2 x B1	Peso Weight (Kg)
	mm	inch										
R0739-20-0001	6	1/4	1.4	28	7	8	16	21	94	35	7.5 x 17.5	0.5
R0739-20-0002	7	9/32	1.9	34	9	10	20	26	123	43	9 x 22.5	0.95
R0739-20-0003	8	5/16	2.5	34	9	10	20	26	123	43	10 x 22.5	0.95
R0739-20-0004	10	3/8	4	45	12	14	25	30	143	56	13 x 31.5	1.6
R0739-20-0005	13	1/2	6.7	51	15	17	35	40	180	69	16 x 42	3.2
R0739-20-0006	16	5/8	10	60	19	19	36	50	215	80	21 x 51.5	6
R0739-20-0007	20	3/4	16	70	23	26	60	67	253	90	24 x 73	9.8
R0739-20-0008	22	7/8	19	82	26	32	62	70	287	100	26 x 72	14.4

**R0740** Gancio fonderia a forcella, grado 100 - CYFX  
Foundry clevis hook, grade 100 - CYFX

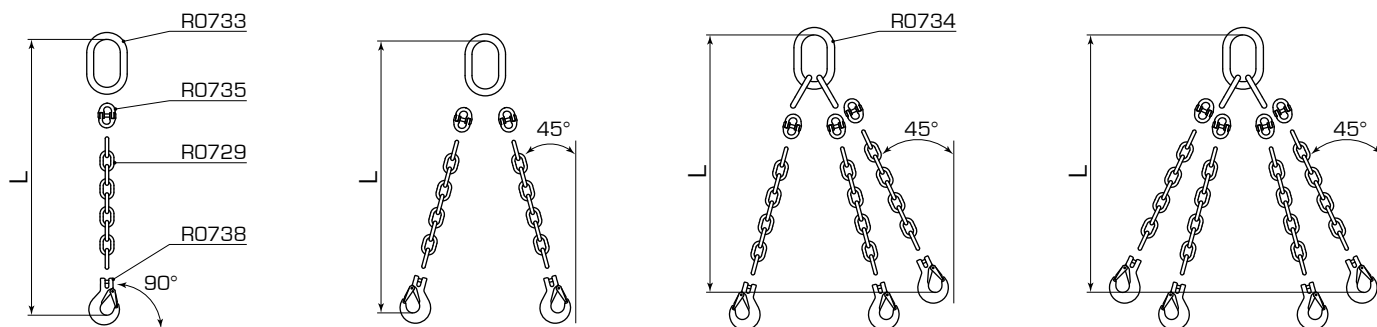


**CARTEC100**

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	H2 x B1	Peso Weight (Kg)
	mm	inch									
R0740-20-0001	6	1/4	1.4	53.5	8.5	6.5	22	26	91	7.5 x 17.5	0.7
R0740-20-0002	7	9/32	1.9	64	10	11.5	26	31	120.4	9 x 22.5	1.1
R0740-20-0003	8	5/16	2.5	64	10	11.5	26	31	120.4	10 x 22.5	1.1
R0740-20-0004	10	3/8	4	76	13	15	30	34	131	13 x 31.5	1.7
R0740-20-0005	13	1/2	6.7	89	17	17.5	40	44.5	148	16 x 42	3.6
R0740-20-0006	16	5/8	10	101	19	21.5	45	50.5	198.5	21 x 51.5	5.6

### R0749 Pendenti a bracci multipli con ganci a forcella, grado 100 - GKN100

### Multi-leg chain slings with clevis hooks, grade 100 - GKN100



**CARTEC100**

**Descrizione:**

Esempio di ordinativo: R0749-20-0001

Nota: ganci accorciatori a richiesta

**Description:**

Example of purchasing order: R0749-20-0001

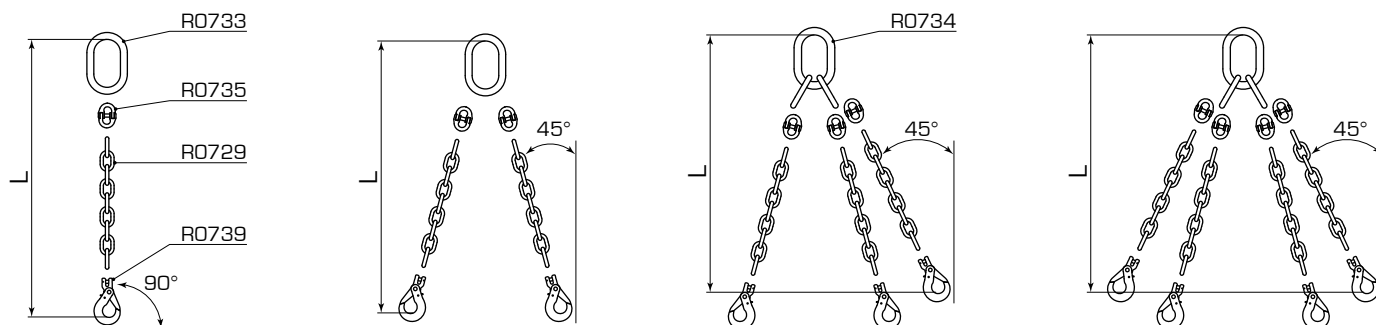
Note: grab hook on request

Codice Code	Numero di bracci Number of legs	Direzione di Carico Load Direction	Catena Chain (mm)	WLL (t)	L (m)		
					1	1.5	2
R0749-20-	1	90°	6	1.4	0001	0002	0003
R0749-20-			7	1.9	0004	0005	0006
R0749-20-			8	2.5	0007	0008	0009
R0749-20-			10	4	0010	0011	0012
R0749-20-			13	6.7	0013	0014	0015
R0749-20-			16	10	0016	0017	0018
R0749-20-	2	45°	6	2	0019	0020	0021
R0749-20-			7	2.65	0022	0023	0024
R0749-20-			8	3.55	0025	0026	0027
R0749-20-			10	5.6	0028	0029	0030
R0749-20-			13	9.5	0031	0032	0033
R0749-20-			16	14	0034	0035	0036
R0749-20-	3	45°	6	3	0037	0038	0039
R0749-20-			7	4	0040	0041	0042
R0749-20-			8	5.3	0043	0044	0045
R0749-20-			10	8	0046	0047	0048
R0749-20-			13	14	0049	0050	0051
R0749-20-			16	21.2	0052	0053	0054
R0749-20-	4	45°	6	3	0055	0056	0057
R0749-20-			7	4	0058	0059	0060
R0749-20-			8	5.3	0061	0062	0063
R0749-20-			10	8	0064	0065	0066
R0749-20-			13	14	0067	0068	0069
R0749-20-			16	21.2	0070	0071	0072



### R0750 Pendenti a bracci multipli con ganci di sicurezza a forcella, grado 100 - BKG100

### Multi-leg chain slings with clevis self locking hooks, grade 100 - BKG100



### CARTEC100

#### Descrizione:

Esempio di ordinativo: R0750-20-0001

Nota: ganci accorciatori a richiesta

#### Description:

Example of purchasing order: R0750-20-0001

Note: grab hook on request

Codice Code	Numero di bracci Number of legs	Direzione di Carico Load Direction	Catena Chain (mm)	WLL (t)	L (m)		
					1	1.5	2
R0750-20-	1	90°	6	1.4	0001	0002	0003
R0750-20-			7	1.9	0004	0005	0006
R0750-20-			8	2.5	0007	0008	0009
R0750-20-			10	4	0010	0011	0012
R0750-20-			13	6.7	0013	0014	0015
R0750-20-			16	10	0016	0017	0018
R0750-20-	2	45°	6	2	0019	0020	0021
R0750-20-			7	2.65	0022	0023	0024
R0750-20-			8	3.55	0025	0026	0027
R0750-20-			10	5.6	0028	0029	0030
R0750-20-			13	9.5	0031	0032	0033
R0750-20-			16	14	0034	0035	0036
R0750-20-	3	45°	6	3	0037	0038	0039
R0750-20-			7	4	0040	0041	0042
R0750-20-			8	5.3	0043	0044	0045
R0750-20-			10	8	0046	0047	0048
R0750-20-			13	14	0049	0050	0051
R0750-20-			16	21.2	0052	0053	0054
R0750-20-	4	45°	6	3	0055	0056	0057
R0750-20-			7	4	0058	0059	0060
R0750-20-			8	5.3	0061	0062	0063
R0750-20-			10	8	0064	0065	0066
R0750-20-			13	14	0067	0068	0069
R0750-20-			16	21.2	0070	0071	0072

La STAMPERIA CARCANO GIUSEPPE SPA è un'azienda metalmeccanica il cui principale processo produttivo è dal 1960 la forgiatura a caldo. Da sempre la Stamperia Carcano ha indirizzato la propria produzione verso diversi settori e, grazie a continui investimenti, ha raggiunto un elevato livello di qualità e affidabilità che gli ha permesso di acquisire una posizione preminente sul mercato. Da anni la Stamperia Carcano è qualificata ed inserita nell'albo fornitori di ENEL, TELECOM e FFSS, delle grosse imprese appaltatrici ad esse collegate e in quello dei più grossi utilizzatori e rivenditori di accessori per funi e catene. Dal 1995 ha inoltre conseguito la certificazione ISO 9001 del proprio sistema qualità, tenuto poi costantemente aggiornato e certificato in conformità alle nuove edizioni di tale norma.

La STAMPERIA CARCANO è da sempre presente nel settore degli accessori per funi e catene; la politica del miglioramento continuo e gli investimenti hanno principalmente interessato i prodotti destinati al sollevamento. La Stamperia Carcano ha così dotato il proprio laboratorio di tutte le attrezzature necessarie al collaudo dei propri accessori per il sollevamento (macchine orizzontali e verticali per prove di trazione, spettrometro per analisi chimiche, magnaflux per il controllo delle cricche, ecc.).

Nel 1997 STAMPERIA CARCANO è stata la prima azienda italiana ad aver conseguito l'omologazione dell'ente tedesco DGUV con l'accreditamento del marchio "92" per la produzione di accessori grado 80/100 in conformità alle normative EN 818 e EN 1677 di riferimento. L'esperienza acquisita negli anni nel settore del sollevamento ha permesso alla STAMPERIA CARCANO di essere la prima azienda a livello nazionale a poter vantare l'accreditamento dell'ente tedesco "92"; per la Stamperia Carcano è stata quindi una naturale evoluzione l'affacciarsi al mercato dell'accessoristica grado 80/100. La Stamperia Carcano presenta così "CARTEC" la nuova linea completa di accessori grado 80/100 destinati alla realizzazione di imbracche con catene e funi. I prodotti della linea "CARTEC" sono interamente realizzati negli stabilimenti della Stamperia Carcano. Il continuo monitoraggio e collaudo adottato dal personale qualità garantisce un livello qualitativo elevato e costante nel tempo. Tutti gli accessori sono inoltre accompagnati da regolare certificato di conformità redatto secondo le prescrizioni delle normative di riferimento. Nel catalogo sono presenti le informazioni tecniche necessarie per una corretta scelta del prodotto più idoneo all'impiego desiderato; i nostri uffici commerciali e tecnici sono comunque a Vs completa disposizione per qualsiasi consultazione e/o chiarimento.

STAMPERIA CARCANO GIUSEPPE SPA is a metalworking company whose main production process is the hot forging since 1960. Stamperia Carcano has always turned its production to different sectors and, thanks to constant investments, it has reached high standard quality and reliability allowing it to acquire a leading position on the market. Stamperia Carcano is by now qualified and registered in roll of the suppliers of ENEL, TELECOM and FFSS, and of other main sub-suppliers of these companies, and also of the main users and resellers of accessories for cables and chains. Since 1995 it has also achieved the ISO 9001 certification of its own quality system, kept constantly updated and certified in accordance to the new editions of said norm.

STAMPERIA CARCANO has always been present in the sector of accessories for cables and chains. The policy of the constant improvement and investments has mainly interested the products destined to lifting equipment. Stamperia Carcano has therefore equipped its laboratory with all the equipment needed to test its accessories for lifting (horizontal and vertical machines for tensile stress, spectrometer for chemical analysis, magnaflux for cracks control, etc.).

In 1997 it has achieved the homologation of the German agency DGUV with the accreditation of the "92" mark for the production of 80/100-grade accessories in compliance with the reference norms EN 818 and EN 1677. The experience acquired over years in the lifting sector allowed Stamperia Carcano spa was the first Italian company which obtained homologation from the German institution DGUV with certification of the mark "92". For Stamperia Carcano it was therefore the natural evolution to enter the market of the 80/100-grade. Stamperia Carcano introduces "CARTEC", the new full line of 80/100-grade accessories destined to the manufacture of slings with chains and cables. "CARTEC" line products are fully manufactured in the sites of Stamperia Carcano. The continuous monitoring and tests adopted by the quality control staff ensure the highest quality level, constant over time. All the accessories are also provided with their certificate of compliance drawn up according to the reference norms provisions. The technical information is supplied in the catalogue for the selection of the correct product, the most suitable for the desired application. Our sale and technical department is however at your complete disposal for any information and/or clarification.

### Fattori di riduzione del carico

Variation in % del carico di lavoro in funzione dell'aumento della temperatura.

### Load reduction factors

Variation in % of the safe working load in respect to the increase of temperature.

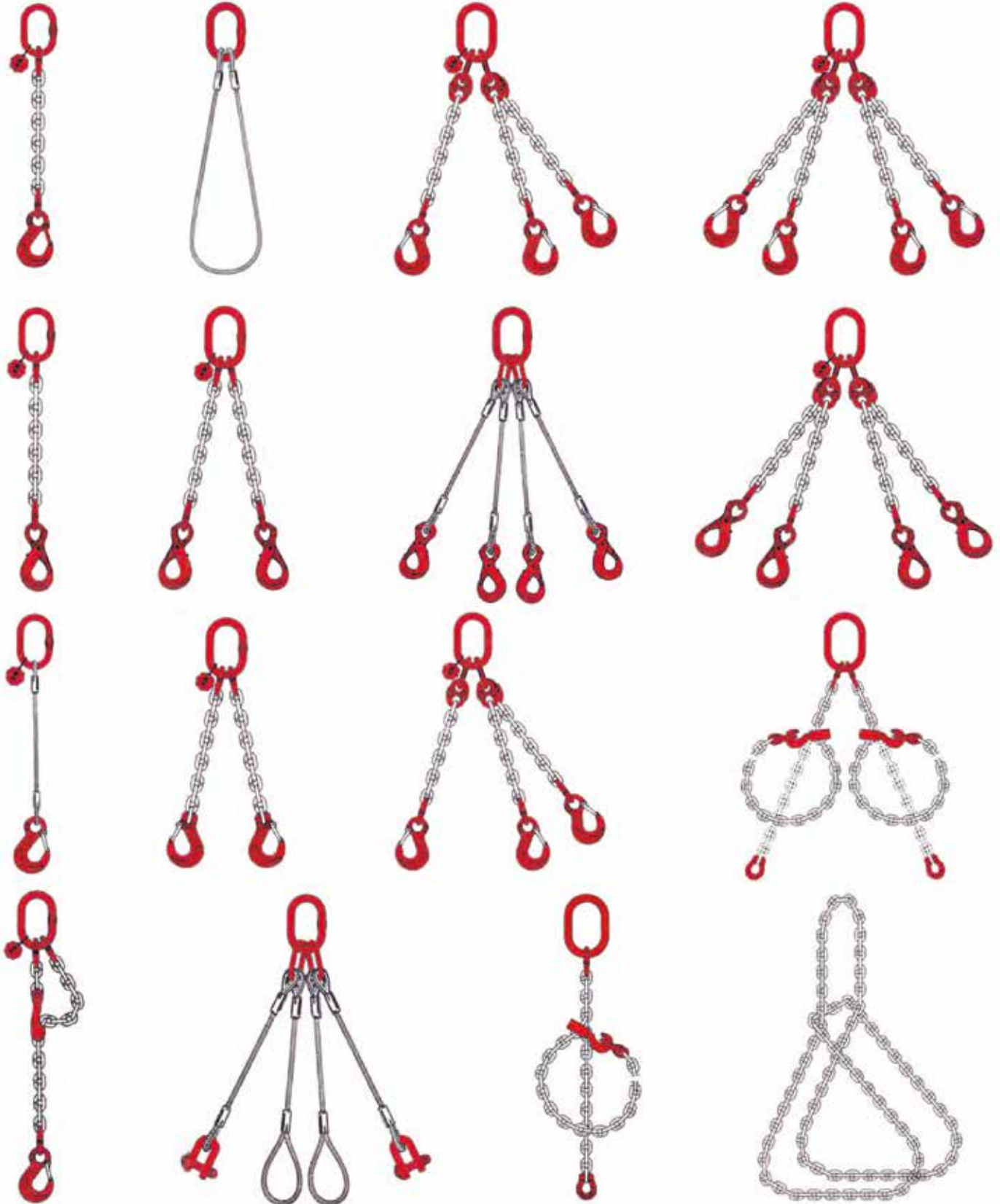
- 40 ≤ T < 200 °C	200 ≤ T < 300 °C	300 ≤ T < 380 °C
0	- 10%	- 25%

La STAMPERIA CARCANO si riserva il diritto di modificare le dimensioni dei prodotti indicati nel presente catalogo per esigenze produttive e/o commerciali garantendo comunque sempre i necessari accoppiamenti e la conformità alle normative di riferimento in vigore.

STAMPERIA CARCANO reserves the right to modify the sizes of products detailed in this catalogue for production and/or commercial reasons, ensuring however all the necessary couplings and the compliance with the reference norms in force.

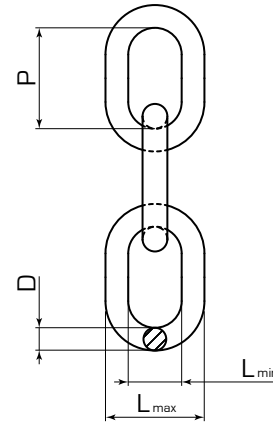
ESEMPI DI UTILIZZO DEGLI ACCESSORI "LINEA CARTEC" PER LA COSTRUZIONE DI IMBRAGHE PER SOLLEVAMENTO

EXAMPLES OF USE OF "LINEA CARTEC" ACCESSORIES FOR THE CONSTRUCTION OF LIFTING SLINGS



### R0728 Catena grado 80 - C8182

### Chain grade 80 - C8182



### CARTEC80

#### Descrizione:

Esempio di ordinativo: R0728-20 x Lunghezza catena

#### Description:

Example of purchasing order: R0728-20 x Chain length

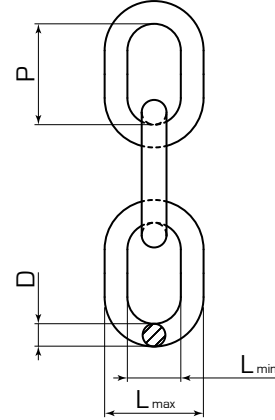
Codice Code	D		WLL (t)	P	L min	L max	M.P.F. (KN)	B.F. (KN)	Peso Weight (Kg/m)	Freccia di flessione Bend deflection (mm)
	mm	inch								
R0728-20-0001	6	1/4	1.12	18	7.8	22.2	28.3	45.2	0.9	4.8
R0728-20-0002	7	9/32	1.5	21	9.1	25.9	38.5	61.6	1.2	5.6
R0728-20-0003	8	5/16	2	24	10.4	29.6	50.3	80.4	1.6	6.4
R0728-20-0004	10	3/8	3.15	30	13	37	78.5	126	2.5	8
R0728-20-0005	13	1/2	5.3	39	16.9	48.1	133	212	4.2	10
R0728-20-0006	16	5/8	8	48	20.8	59.2	201	322	6.2	13
R0728-20-0007	20	3/4	12.5	60	26	74	314	503	10	16
R0728-20-0008	22	7/8	15	66	28.6	81.4	380	608	11.9	18
R0728-20-0009	26	1	21.2	78	33.8	96.2	531	849	16.3	21
R0728-20-0010	32	1 1/4	31.5	96	41.6	118	804	1290	24.3	26

#### Impiego della catena su spigolo

#### Use of the chain on the edge

	$R \geq 2 \times D$	$R \geq D$	Spigolo vivo Sharp edge
Fattore di riduzione Reduction factor	1	0.7	0.5
Carico impulsivo Impulsive load	Leggera pulsazione Light impulse	Media pulsazione Medium impulse	Forte pulsazione Strong impulse
Fattore di riduzione Reduction factor	1	0.7	Non consentito Not allowed

## R0728 Catena grado 80 - C8182 Chain grade 80 - C8182

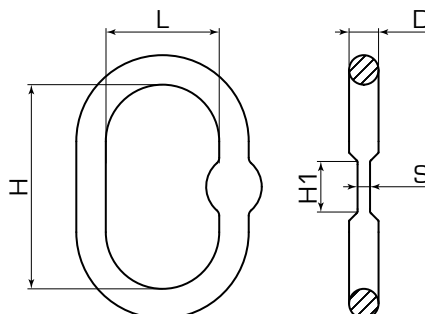


### CARTEC80

	Tipo Imbraghe Slings type	Fattore di Carico Load factor	Direzione di Carico Load direction	Cod. R0728-20-	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010
				D mm	6	7	8	10	13	16	20	22	26	32
	1 braccio 1 leg	1	0°		1.12	1.5	2	3.15	5.3	8	12.5	15	21.2	31.5
	2 bracci 2 legs	1.4	0° - 45°		1.6	2.12	2.8	4.25	7.5	11.2	17	21.2	30	45
	2 bracci 2 legs	1	45° - 60°		1.12	1.5	2	3.15	5.3	8	12.5	15	21.2	31.5
	3 - 4 bracci 3 - 4 legs	2.1	0° - 45°		2.36	3.15	4.25	6.7	11.2	17	26.5	31.5	45	67
	3 - 4 bracci 3 - 4 legs	1.5	45° - 60°		1.7	2.24	3	4.75	8	11.8	19	22.4	31.5	47.5
	Anello Masterlink	1.6	0°		1.8	2.5	3.15	5	8.5	12.5	20	23.6	33.5	50
	Brache a cesto Legged slings	1.4	0° - 45°		1.6	2.12	2.8	4.25	7.5	11.2	17	21.2	30	45
	Brache a cesto Legged slings	2.1	0° - 45°		2.36	3.15	4.25	6.7	11.2	17	26.5	31.5	45	67

**R0741**

Anello ovale, grado 80 - CM, CMS  
Oblong masterlink, grade 80 - CM, CMS



**CARTEC80**

Descrizione:

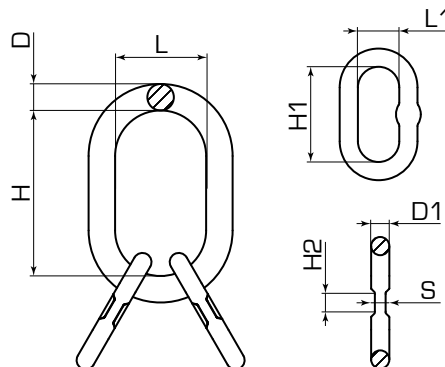
Esempio di ordinativo: R0741-20-0001

Description:

Example of purchasing order: R0741-20-0001

Codice Code	Catena Chain	WLL (t)	D	H	L	S x H1	Peso Weight (Kg)	Tipo Type	
								senza schiacciatura without flat	con schiacciatura with flat
R0741-20-	6	1.5	13	110	60	8 x 25	0.34	0001	0002
R0741-20-	7	2	16	110	60	8 x 25	0.53	0003	0004
R0741-20-	8	3.15	18	135	75	8 x 35	0.915	0005	0006
R0741-20-	10	5.3	22	160	90	11.5 x 35	1.6	0007	0008
R0741-20-	13	8	26	180	100	14 x 46	2.46	0009	0010
R0741-20-	16	10	32	200	110	18 x 46	4.14	0011	0012
R0741-20-	18	12.5	36	260	140		6.22	0013	
R0741-20-	20	15	40	300	160		8.95	0014	
R0741-20-	22	21.2	45	340	180		12.82	0015	
R0741-20-	26	31.5	51	350	190		16.55	0016	
R0741-20-	32	40	57	400	200		27.01	0017	
R0741-20-	36	50	60	430	220		27.01	0018	

## R0742 Anello complesso, grado 80 - CMC, CMCS Sub-assembly, grade 80 - CMC, CMCS



**CARTEC80**

Descrizione:

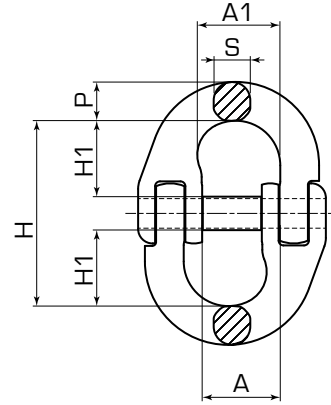
Esempio di ordinativo: R0742-20-0001

Description:

Example of purchasing order: R0742-20-0001

Codice Code	Catena Chain	WLL (t)	D	H	L	D1	H1	L1	S x H2	Peso Weight (Kg)	Tipo Type	
											senza schiacciatura without flat	con schiacciatura with flat
R0742-20-	6	2.36	18	135	75	13	54	25	8 x 25	1.315	0001	0002
R0742-20-	7	3.15	18	135	75	13	54	25	8 x 25	1.315	0003	0004
R0742-20-	8	4.25	22	160	90	16	70	34	8 x 35	2.32	0005	0006
R0742-20-	10	6.7	26	180	100	18	85	40	11.5 x 35	3.52	0007	0008
R0742-20-	13	11.2	32	200	110	22	115	50	14 x 35	6.26	0009	0010
R0742-20-	16	17	36	260	140	26	140	65	18 x 46	9.56	0011	0012
R0742-20-	18	21.2	45	340	180	32	150	70		18.92	0013	
R0742-20-	20	26.5	51	350	190	32	150	70		22.65	0014	
R0742-20-	22	31.5	51	350	190	36	170	75		25.19	0015	
R0742-20-	26	45	57	400	200	40	170	80		36.01	0016	
R0742-20-	32	67	70	460	250	50	200	100		64.4	0017	

**R0743** Maglia di connessione, grado 80 - CL  
Connecting link, grade 80 - CL

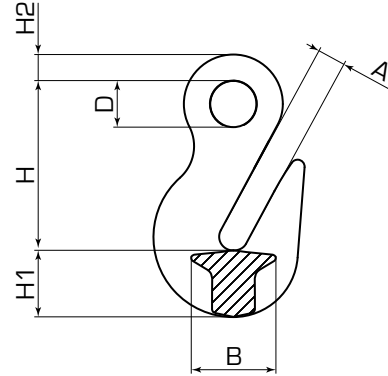


**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	H1	A1	H	P	S	Peso Weight (Kg)
	mm	inch								
R0743-20-0001	6	1/4	1.12	16	18	16.5	43	7.2	6.8	0.07
R0743-20-0002	7	9/32	1.5	17.8	20	20.5	50.5	10.2	9	0.1
R0743-20-0003	8	5/16	2	19	25.5	23.5	62	11.5	10	0.25
R0743-20-0004	10	3/8	3.15	23.8	30	27.5	72	12.6	12.6	0.35
R0743-20-0005	13	1/2	5.3	28	36	33.3	87.3	19	16.7	0.68
R0743-20-0006	16	5/8	8	34.3	40.5	39.5	103	20.6	20.6	1.1
R0743-20-0007	20	3/4	12.5	44	48	47	116	23	23	1.7
R0743-20-0008	22	7/8	15	49	51	55	133	26.5	26.5	2.2
R0743-20-0009	26	1	21.2	60	60	66	148	31.5	31.5	4.2
R0743-20-0010	32	1 1/4	31.5	80	77	86	190	40	32	7.19



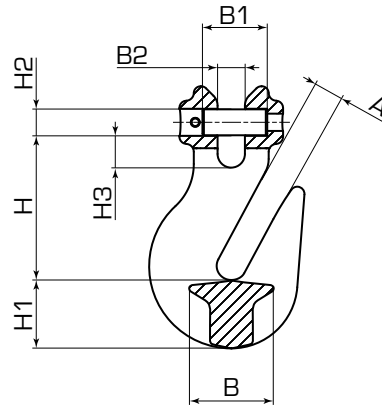
**R0744** Gancio accorciatore ad occhio, grado 80 - CD  
Eye grab hook, grade 80 - CD



**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	H2	B	H1	D	H	Peso Weight (Kg)
	mm	inch								
R0744-20-0001	6	1/4	1.12	8	8.5	22	22	13.5	53.5	0.18
R0744-20-0002	7 - 8	9/32 - 5/16	2	10	10	30	24	16	60	0.23
R0744-20-0003	10	3/8	3.15	13	11	44	31	21	80	0.59
R0744-20-0004	13	1/2	5.3	17	16	53	38	26	104	1.24
R0744-20-0005	16	5/8	8	20	19	64	60	30	129	2.6
R0744-20-0006	20	3/4	12.5	23	22	85	65	36	153	4.2
R0744-20-0007	22	7/8	15	26	30	87	71	42	184	5.35
R0744-20-0008	26	1	21.2	30.5	36	100	90	55	213	13
R0744-20-0009	32	1 1/4	31.5	38.5	44	160	112	59	245	30.5

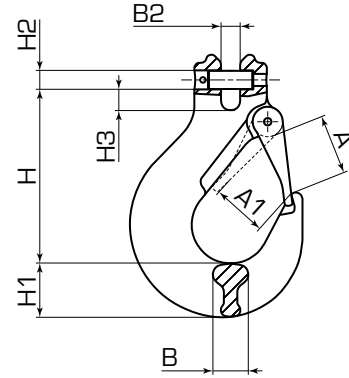
**R0745** Gancio accorciatore a forcella, grado 80 - CF  
Clevis grab hook, grade 80 - CF



**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	H2 x B1	Peso Weight (Kg)
	mm	inch									
R0745-20-0001	6	1/4	1.12	8	8	8.8	22	22	51.5	7.5 x 17.5	0.2
R0745-20-0002	7 - 8	9/32 - 5/16	2	10	9	10	30	24	50	9 x 22.5	0.27
R0745-20-0003	10	3/8	3.15	13	13	14	44	31	72	13 x 31.5	0.75
R0745-20-0004	13	1/2	5.3	17	17	17	53	38	88	16 x 42	1.35
R0745-20-0005	16	5/8	8	20	21	20	64	60	111	21 x 51.5	2.8
R0745-20-0006	20	3/4	12.5	24	24	24	85	65	130	24 x 61.5	4.8
R0745-20-0007	22	7/8	15	26	26	26	87	68	139	26 x 72	5.65
R0745-20-0008	26	1	21.2	30.5	30	35	100	90	190.5	30 x 80	13.5

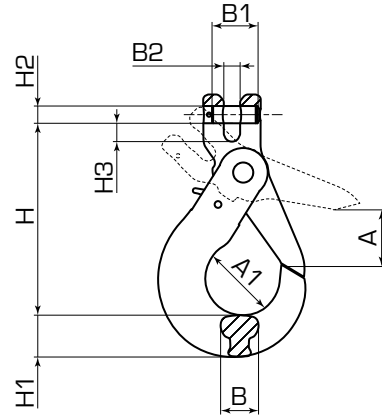
**R0746** Gancio a forcella, grado 80 - CB  
Clevis sling hook, grade 80 - CB



**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	A1	B1	H3	B	H1	H2	H	Peso Weight (Kg)
	mm	inch										
R0746-20-0001	6	1/4	1.12	25	19	6.7	8.5	14.5	20	7	73	0.24
R0746-20-0002	7 - 8	9/32 - 5/16	2	29.5	24.5	8.7	9.8	19	27	9	86.3	0.53
R0746-20-0003	10	3/8	3.15	35.7	29	12.2	13.5	23.5	33	13	105	0.95
R0746-20-0004	13	1/2	5.3	43.5	35	15.3	17	28.5	40	16	128.5	1.67
R0746-20-0005	16	5/8	8	56	45	18	22	37	48	20	155	3
R0746-20-0006	20	3/4	12.5	61	53	23	26	51	52	24	183	5.7
R0746-20-0007	22	7/8	15	72	62	24.5	29	50	62	27	213	8.8
R0746-20-0008	26	1	21.2	77	73	30	34	60	75	30	230	13.5

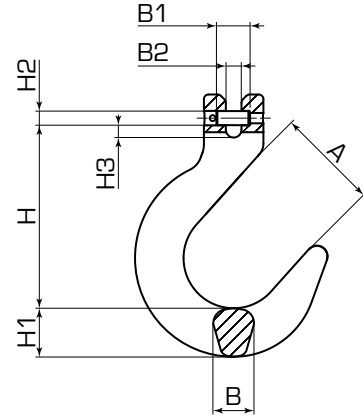
**R0747** Gancio di sicurezza a forcella, grado 80 - CRF  
Self locking clevis hook, grade 80 - CRF



**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	A1	H2 x B1	Peso Weight (Kg)
	mm	inch										
R0747-20-0001	6	1/4	1.12	28	7	8	16	21	94	35	7.5 x 17.5	0.496
R0747-20-0002	7 - 8	9/32 - 5/16	2	34	9	10	20	26	123	43	9 x 22.5	0.934
R0747-20-0003	10	3/8	3.15	45	12	14	25	30	143	56	13 x 31.5	1.58
R0747-20-0004	13	1/2	5.3	51	15	17	35	40	180	69	16 x 42	3.2
R0747-20-0005	16	5/8	8	60	19	19	36	50	215	80	21 x 51.5	5.95
R0747-20-0006	20	3/4	12.5	70	23	26	60	67	253	90	24 x 73	9.8
R0747-20-0007	22	7/8	15	80	26	32	62	70	287	100	26 x 72	14.4

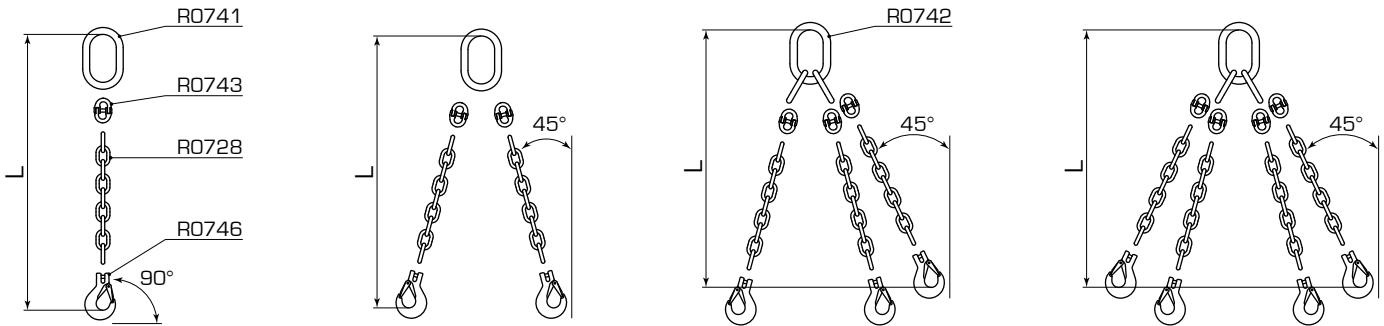
**R0748** Gancio fonderia a forcella, grado 80 - CYF  
Foundry clevis hook, grade 80 - CYF



**CARTEC80**

Codice Code	Catena Chain		WLL (t)	A	B2	H3	B	H1	H	H2 x B1	Peso Weight (Kg)
	mm	inch									
R0748-20-0001	6	1/4	1.12	53.5	8.5	6.5	22	26	91	7.5 x 17.5	0.7
R0748-20-0002	7 - 8	9/32 - 5/16	2	64	10	11.5	26	31	120.4	9 x 22.5	1.1
R0748-20-0003	10	3/8	3.15	76	13	15	30	34	131	13 x 31.5	1.7
R0748-20-0004	13	1/2	5.3	89	17	17.5	40	44.5	148	16 x 42	3.6
R0748-20-0005	16	5/8	8	101	19	21.5	45	50.5	198.5	21 x 51.5	5.6

## R0751 Pendenti a bracci multipli con ganci a forcella, grado 80 - GKN80 Multi-leg chain slings with clevis hooks, grade 80 - GKN80



**CARTEC80**

**Descrizione:**

Esempio di ordinativo: R0751-20-0001  
Nota: ganci accorciatori a richiesta

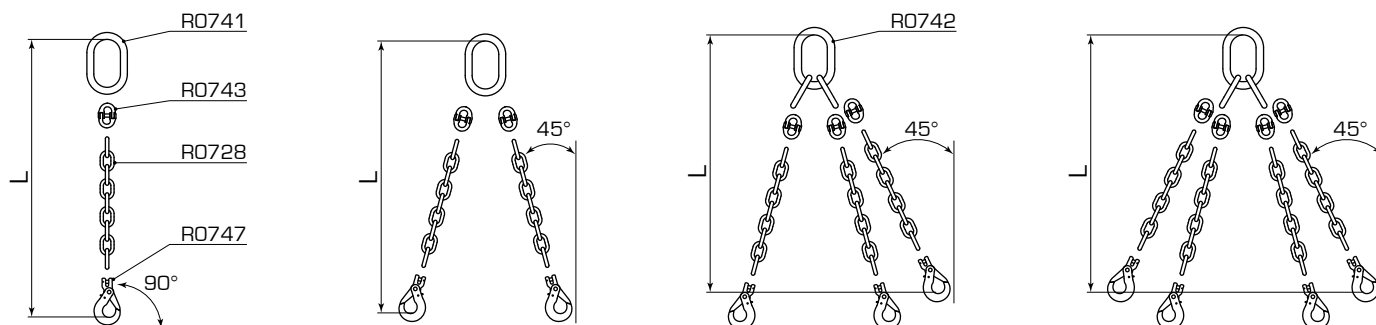
**Description:**

Example of purchasing order: R0751-20-0001  
Note: grab hook on request

Codice Code	Numero di bracci Number of legs	Direzione di Carico Load Direction	Catena Chain (mm)	WLL (t)	L (m)		
					1	1.5	2
R0751-20-	1	90°	6	1.12	0001	0002	0003
R0751-20-			7	1.5	0004	0005	0006
R0751-20-			8	2	0007	0008	0009
R0751-20-			10	3.15	0010	0011	0012
R0751-20-			13	5.3	0013	0014	0015
R0751-20-			16	8	0016	0017	0018
R0751-20-	2	45°	6	1.6	0019	0020	0021
R0751-20-			7	2.12	0022	0023	0024
R0751-20-			8	2.8	0025	0026	0027
R0751-20-			10	4.25	0028	0029	0030
R0751-20-			13	7.5	0031	0032	0033
R0751-20-			16	11.2	0034	0035	0036
R0751-20-	3	45°	6	2.36	0037	0038	0039
R0751-20-			7	3.15	0040	0041	0042
R0751-20-			8	4.25	0043	0044	0045
R0751-20-			10	6.7	0046	0047	0048
R0751-20-			13	11.2	0049	0050	0051
R0751-20-			16	17	0052	0053	0054
R0751-20-	4	45°	6	2.36	0055	0056	0057
R0751-20-			7	3.15	0058	0059	0060
R0751-20-			8	4.25	0061	0062	0063
R0751-20-			10	6.7	0064	0065	0066
R0751-20-			13	11.2	0067	0068	0069
R0751-20-			16	17	0070	0071	0072

### R0752 Pendenti a bracci multipli con ganci di sicurezza a forcella, grado 80 - BKG80

### Multi-leg chain slings with clevis self locking hooks, grade 80 - BKG80



**CARTEC80**

**Descrizione:**

Esempio di ordinativo: R0752-20-0001

Nota: ganci accorciatori a richiesta

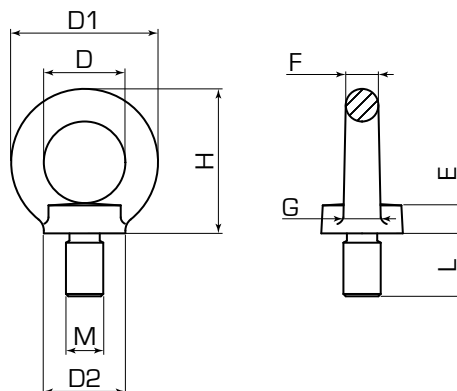
**Description:**

Example of purchasing order: R0752-20-0001

Note: grab hook on request

Codice Code	Numero di bracci Number of legs	Direzione di Carico Load Direction	Catena Chain (mm)	WLL (t)	L (m)		
					1	1.5	2
R0752-20-	1	90°	6	1.12	0001	0002	0003
R0752-20-			7	1.5	0004	0005	0006
R0752-20-			8	2	0007	0008	0009
R0752-20-			10	3.15	0010	0011	0012
R0752-20-			13	5.3	0013	0014	0015
R0752-20-			16	8	0016	0017	0018
R0752-20-	2	45°	6	1.6	0019	0020	0021
R0752-20-			7	2.12	0022	0023	0024
R0752-20-			8	2.8	0025	0026	0027
R0752-20-			10	4.25	0028	0029	0030
R0752-20-			13	7.5	0031	0032	0033
R0752-20-			16	11.2	0034	0035	0036
R0752-20-	3	45°	6	2.36	0037	0038	0039
R0752-20-			7	3.15	0040	0041	0042
R0752-20-			8	4.25	0043	0044	0045
R0752-20-			10	6.7	0046	0047	0048
R0752-20-			13	11.2	0049	0050	0051
R0752-20-			16	17	0052	0053	0054
R0752-20-	4	45°	6	2.36	0055	0056	0057
R0752-20-			7	3.15	0058	0059	0060
R0752-20-			8	4.25	0061	0062	0063
R0752-20-			10	6.7	0064	0065	0066
R0752-20-			13	11.2	0067	0068	0069
R0752-20-			16	17	0070	0071	0072

### R0172 Golfare maschio DIN580 - 55 Lifting eye bolt DIN580 - 55



**Descrizione:**

Materiale: Acciaio C15 E / DIN580

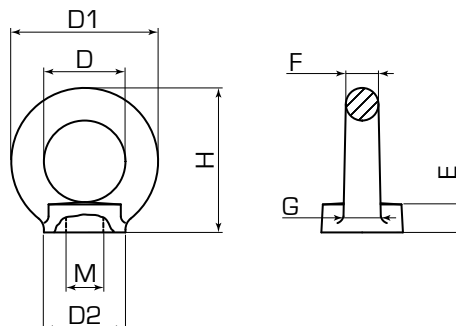
**Description:**

Material: Steel C15 E / DIN580

Codice Code	M	Coppia Max. serraggio Max tightening Torque (Nm)	WLL (t) ⊥	WLL (t) X	WLL (t) +	Peso Weight (Kg)	Dimensioni Dimensions (mm)							
							D	D1	D2	E	F	G	H	L
R0172-01-0001	M6	3.5	0.09	0.06	0.045	0.06	20	36	20	6	8	10	36	13
R0172-01-0036	M6	3.5	0.075	0.055	0.038	0.06	20	36	20	6	8	10	36	13
R0172-01-0002	M8	8	0.14	0.1	0.07	0.06	20	36	20	6	8	10	36	13
R0172-01-0003	M10	16	0.23	0.17	0.112	0.11	25	45	25	8	10	12	45	17
R0172-01-0004	M12	28	0.34	0.24	0.17	0.18	30	54	30	10	12	14	53	20.5
R0172-01-0005	M14	45	0.5	0.35	0.25	0.19	30	54	30	10	12	14	53	20.5
R0172-01-0037	M14	45	0.49	0.35	0.245	0.27	35	63	35	12	14	16	62	27
R0172-01-0006	M16	70	0.7	0.5	0.65	0.28	35	63	35	12	14	16	62	27
R0172-01-0007	M18	95	0.93	0.65	0.465	0.33	35	63	35	12	14	16	62	27
R0172-01-0038	M18	95	0.85	0.6	0.425	0.44	40	72	40	14	16	19	71	30
R0172-01-0008	M20	135	1.2	0.86	0.6	0.45	40	72	40	14	16	19	71	30
R0172-01-0009	M22	182	1.5	1.05	0.75	0.5	40	72	40	14	16	19	71	30
R0172-01-0039	M22	182	1.4	1	0.7	0.72	50	90	50	18	20	24	90	36
R0172-01-0010	M24	230	1.8	1.29	0.9	0.74	50	90	50	18	20	24	90	36
R0172-01-0011	M27	343	2.5	1.83	1.23	1.25	54	98	62	20	22	26	99	40
R0172-01-0040	M27	343	2.1	1.5	1.05	1.62	60	108	65	22	24	28	109	45
R0172-01-0012	M30	465	3.2	2.3	1.6	1.66	60	108	65	22	24	28	109	45
R0172-01-0013	M33	632	4.2	3.05	2.1	1.9	60	108	65	22	24	28	109	45
R0172-01-0041	M33	632	3.2	2.3	1.6	2.6	70	126	75	26	28	32	128	54
R0172-01-0014	M36x3	814	4.6	3.3	2.3	2.65	70	126	75	26	28	32	128	54
R0172-01-0015	M36	814	4.6	3.3	2.3	2.65	70	126	75	26	28	32	128	54
R0172-01-0017	M39	1059	6	4.4	3	3.78	80	144	85	30	32	38	147	63
R0172-01-0016	M39	1059	4.6	3.3	2.3	3.78	80	144	85	30	32	38	147	63
R0172-01-0019	M42	1304	6.3	4.5	3.15	4.03	80	144	85	30	32	38	147	63
R0172-01-0021	M45	1638	7.8	5.5	3.9	6.24	90	166	100	35	38	46	168	68
R0172-01-0020	M45	1638	6.3	4.5	3.15	6.24	90	166	100	35	38	46	168	68
R0172-01-0022	M48x3	1981	8.6	6.1	4.3	6.38	90	166	100	35	38	46	168	68
R0172-01-0023	M48	1981	8.6	6.1	4.3	6.38	90	166	100	35	38	46	168	68
R0172-01-0025	M52	2540	9.9	7.1	4.95	8.57	100	184	110	38	42	50	187	78
R0172-01-0024	M52	2540	8.6	6.1	4.3	8.57	100	184	110	38	42	50	187	78
R0172-01-0026	M56x4	3000	11.5	8.2	5.75	8.8	100	184	110	38	42	50	187	78
R0172-01-0027	M56	3000	11.5	8.2	5.75	8.8	100	184	110	38	42	50	187	78
R0172-01-0042	M60	3000	11.5	8.2	5.75	12.13	110	206	120	42	48	58	208	90
R0172-01-0028	M64x4	4736	16	11	8	12.4	110	206	120	42	48	58	208	90
R0172-01-0029	M64	4736	16	11	8	12.4	110	206	120	42	48	58	208	90
R0172-01-0030	M72x4	6913	20	14	10	23.3	140	260	150	50	60	72	260	100
R0172-01-0031	M72	6913	20	14	10	23.3	140	260	150	50	60	72	260	100
R0172-01-0032	M80x4	9625	28	20	14	34.2	160	296	170	55	68	80	298	112
R0172-01-0033	M80	9625	28	20	14	34.2	160	296	170	55	68	80	298	112
R0172-01-0034	M100x4	19613	40	29	20	49.1	180	330	190	60	75	88	330	130
R0172-01-0035	M100	19613	40	29	20	49.1	180	330	190	60	75	88	330	130



## R0725 Golfare femmina DIN582 - 56 Eye nut DIN582 - 56



### Descrizione:

Materiale: Acciaio C15 E / DIN582

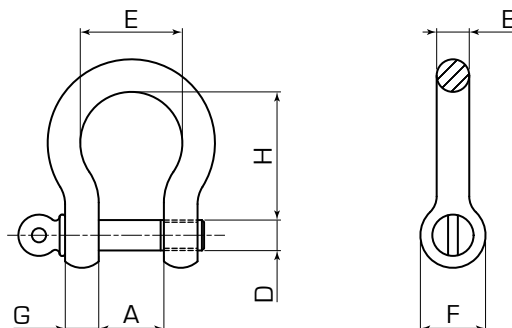
### Description:

Material: Steel C15 E / DIN582

Codice Code	M	Coppia Max. serraggio Max tightening Torque (Nm)	WLL (t) ⊥	WLL (t) X	WLL (t) +	Peso Weight (Kg)	Dimensioni Dimensions (mm)						
							D	D1	D2	E	F	G	H
R0725-20-0001	M6	3.5	0.09	0.06	0.045	0.05	20	36	20	8.5	8	10	36
R0725-20-0002	M6	3.5	0.75	0.055	0.038	0.05	20	36	20	8.5	8	10	36
R0725-20-0003	M8	8	0.14	0.1	0.07	0.05	20	36	20	8.5	8	10	36
R0725-20-0004	M10	16	0.23	0.17	0.115	0.09	25	45	25	10	10	12	45
R0725-20-0005	M12	28	0.34	0.24	0.17	0.16	30	54	30	11	12	14	53
R0725-20-0006	M14	45	0.5	0.35	0.25	0.15	30	54	30	11	12	14	53
R0725-20-0007	M14	45	0.49	0.35	0.245	0.25	35	63	35	13	14	16	62
R0725-20-0008	M16	70	0.7	0.5	0.35	0.24	35	63	35	13	14	16	62
R0725-20-0009	M18	95	0.93	0.65	0.465	0.23	35	63	35	13	14	16	62
R0725-20-0010	M18	95	0.85	0.6	0.425	0.37	40	72	40	16	16	19	71
R0725-20-0011	M20	135	1.2	0.86	0.6	0.36	40	72	40	16	16	19	71
R0725-20-0012	M22	182	1.5	1.05	0.75	0.35	40	72	40	16	16	19	71
R0725-20-0013	M22	182	1.4	1	0.7	0.73	50	90	50	20	20	24	90
R0725-20-0014	M24	230	1.8	1.29	0.9	0.72	50	90	50	20	20	24	90
R0725-20-0015	M27	343	2.5	1.83	1.25	0.8	54	98	62	22	22	26	99
R0725-20-0016	M27	343	2.1	1.5	1.05	1.34	60	108	65	25	24	28	109
R0725-20-0017	M30	465	3.2	2.3	1.6	1.32	60	108	65	25	24	28	109
R0725-20-0018	M33	632	4.2	3.05	2.1	1.27	60	108	65	25	24	28	109
R0725-20-0019	M33	632	3.2	2.3	1.6	2.11	70	126	75	30	28	32	128
R0725-20-0020	M36	814	4.6	3.3	2.3	2.08	70	126	75	30	28	32	128
R0725-20-0021	M39	1059	6	4.4	3	3.15	80	144	85	35	32	38	147
R0725-20-0022	M39	1059	4.6	3.3	2.3	3.15	80	144	85	35	32	38	147
R0725-20-0023	M42	1304	6.3	4.5	3.15	3.11	80	144	85	35	32	38	147
R0725-20-0024	M45	1638	7.8	5.5	3.9	5.08	90	166	100	40	38	46	168
R0725-20-0025	M45	1638	6.3	4.5	3.15	5.08	90	166	100	40	38	46	168
R0725-20-0026	M48	1981	8.6	6.1	4.3	5.02	90	166	100	40	38	46	168
R0725-20-0027	M52	2540	9.9	7.1	4.95	6.79	100	184	110	45	42	50	187
R0725-20-0028	M52	2540	8.6	6.1	4.3	6.79	100	184	110	45	42	50	187
R0725-20-0029	M56	3000	11.5	8.2	5.75	6.69	100	184	110	45	42	50	187
R0725-20-0030	M60	3000	11.5	8.2	5.75	9.43	110	206	120	50	48	58	208
R0725-20-0031	M64	4736	16	11	8	9.3	110	206	120	50	48	58	208
R0725-20-0032	M72	6913	20	14	10	18.5	140	260	150	60	60	72	260

### R0726 Grilli a cuore ad alta resistenza con perno a vite - 52

### Alloy steel bow shackles with screw pin - 52



**Descrizione:**

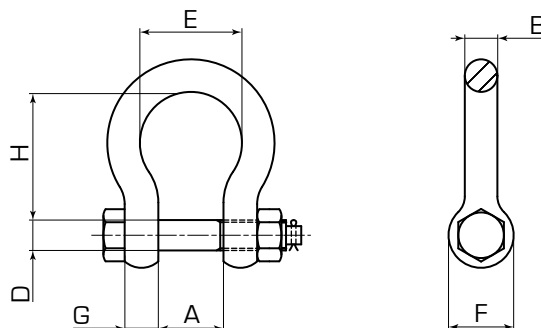
Materiale: Acciaio alta resistenza

**Description:**

Material: High tensile steel

Codice Code	WLL (t)	Misura Size	Peso Weight (Kg)	Dimensioni Dimensions (mm)						
				A	B	H	D	E	F	G
R0726-20-0001	0.33	3/16"	0.0272	9.7	4.8	22.4	6.4	15.2	15	6
R0726-20-0002	0.5	1/4"	0.0454	11.9	6.4	28.7	7.9	19.8	16	6
R0726-20-0003	0.75	5/16"	0.0863	13.5	7.9	31	9.7	21.3	19	8
R0726-20-0004	1	3/8"	0.1407	16.8	9.7	36.6	11.2	26.2	23	10
R0726-20-0005	1.5	7/16"	0.1725	19.1	11.2	42.9	12.7	29.5	27	11
R0726-20-0006	2	1/2"	0.3269	20.6	12.7	47.8	16	33.3	30	13
R0726-20-0007	3.25	5/8"	0.622	26.9	16	60.5	19.1	42.9	39	16
R0726-20-0008	4.75	3/4"	1.0669	31.8	19.1	71.4	22.4	50.8	47	19
R0726-20-0009	6.5	7/8"	1.6435	36.6	22.4	84.1	25.4	57.9	54	22
R0726-20-0010	8.5	1"	2.2836	42.9	25.4	95.3	28.7	68.3	60	25
R0726-20-0011	9.5	1 1/8"	3.3641	46	29.5	107.9	31.8	73.9	68	29
R0726-20-0012	12	1 1/4"	4.313	51.6	32.8	119.1	35.1	82.6	76	32
R0726-20-0013	13.5	1 3/8"	6.1426	57.2	36.1	133.3	38.1	92.2	84	35
R0726-20-0014	17	1 1/2"	7.8088	60.5	39.1	146	41.4	98.6	92	38
R0726-20-0015	25	1 3/4"	12.6121	73.2	46.7	177.8	50.8	127	107	45
R0726-20-0016	35	2"	20.43	82.6	52.8	196.8	57.2	146	122	51
R0726-20-0017	55	2 1/2"	38.9305	104.9	68.8	266.7	69.9	186.1	145	64
R0726-20-0018	85	3"	62.24	127	75	330	80	190	165	76.2

## R0727 Grilli a cuore ad alta resistenza con bullone - 54 Alloy steel bow shackles with bolt - 54



### Descrizione:

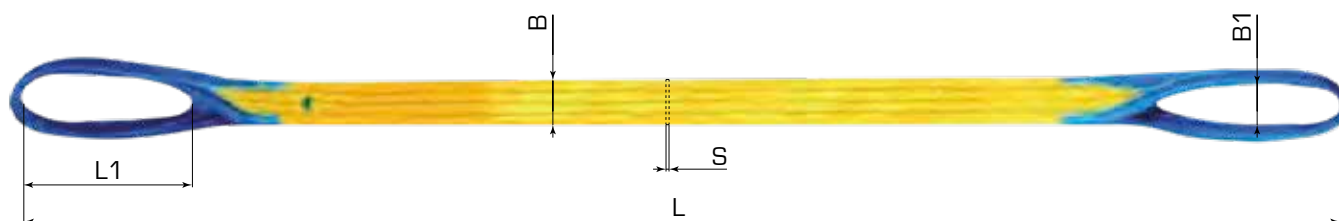
Materiale: Acciaio alta resistenza

### Description:

Material: High tensile steel

Codice Code	WLL (t)	Misura Size	Peso Weight (Kg)	Dimensioni Dimensions (mm)						
				A	B	H	D	E	F	G
R0727-04-0001	0.5	1/4"	0.05	11.9	6.4	28.7	7.9	19.8	16	6
R0727-04-0002	0.75	5/16"	0.1	13.5	7.9	31	9.7	21.3	19	8
R0727-04-0003	1	3/8"	0.15	16.8	9.7	36.6	11.2	26.2	23	10
R0727-04-0004	1.5	7/16"	0.222	19.1	11.2	42.9	12.7	29.5	27	11
R0727-04-0005	2	1/2"	0.359	20.6	12.7	47.8	16	33.3	30	13
R0727-04-0006	3.25	5/8"	0.763	26.9	16	60.5	19.1	42.9	39	16
R0727-04-0007	4.75	3/4"	1.235	31.8	19.1	71.4	22.4	50.8	47	19
R0727-04-0008	6.5	7/8"	1.793	36.6	22.4	84.1	25.4	57.9	54	22
R0727-04-0009	8.5	1"	2.57	42.9	25.4	95.3	28.7	68.3	60	25
R0727-04-0010	9.5	1 1/8"	3.755	46	28.7	107.9	31.8	73.9	68	29
R0727-04-0011	12	1 1/4"	5.31	51.6	31.8	119.1	5.1	82.6	76	32
R0727-04-0012	13.5	1 3/8"	7.137	57.2	35.1	133.3	38.1	92.2	84	35
R0727-04-0013	17	1 1/2"	9.443	60.5	38.1	146	41.4	98.6	92	38
R0727-04-0014	25	1 3/4"	15.395	73.2	44.5	177.8	50.8	127	107	45
R0727-04-0015	35	2"	23.722	82.5	50.8	196.8	57.2	146	122	51
R0727-04-0016	55	2 1/2"	44.606	104.9	66.6	266.7	69.9	186.1	145	64
R0727-04-0017	85	3"	69.916	127	76.2	330.2	82.6	200.1	165	76.2

## R0730 Braca ad asola in poliestere - C41 Polyester eyesling - C41



### Descrizione:

Esempio di ordinativo: R0730-20-0001  
Materiale: Poliestere

### Description:

Example of purchasing order: R0730-20-0001  
Material: Polyester

Codice Code	WLL (t)		B (mm)	S (mm)	B1 (mm)	L1 (mm)	L (m)												
	singola singola	a cesto basket					0,5	1	1,5	2	2,5	3	4	5	6	7	8	10	12
R0730-20-	1	2	30	7	15	200	0001	0002	0003	0004	0005	0006	0007	0008	0009		0010	0011	0012
R0730-20-	1	2	50	7	15	200	0013	0014	0015	0016	0017	0018	0019	0020	0021				
R0730-20-	2	4	60	7	30	300		0022	0023	0024	0025	0026	0027	0028	0029		0030	0031	0032
R0730-20-	3	6	90	7	30	350		0033	0034	0035	0036	0037	0038	0039	0040		0041	0042	0043
R0730-20-	4	8	120	7	40	425		0044	0045	0046	0047	0048	0049	0050	0051		0052	0053	0054
R0730-20-	5	10	150	7	50	500		0055	0056	0057	0058	0059	0060	0061	0062		0063	0064	0065
R0730-20-	6	12	180	7	60	550				0066	0067	0068	0069	0070			0071	0072	0073
R0730-20-	8	16	240	7	80	600				0074	0075	0076	0077	0078	0079		0080	0081	0082
R0730-20-	10	20	300	10	100	750				0083	0084	0085	0086	0087			0088	0089	0090

Brache ad asola di alta qualità per sollevamento, in poliestere PES, compattate nella forma, tessute e protette con basso allungamento.

- Prodotte in conformità a DIN EN 1492-1
- Fattore di sicurezza 7
- Codice colore in base agli standard europei
- Direttiva macchina EU CE 89392 CEE II A

High quality eyeslings for lifting purpose, made of woven PES, form-stabilized, drawn and finished, with low elongation.

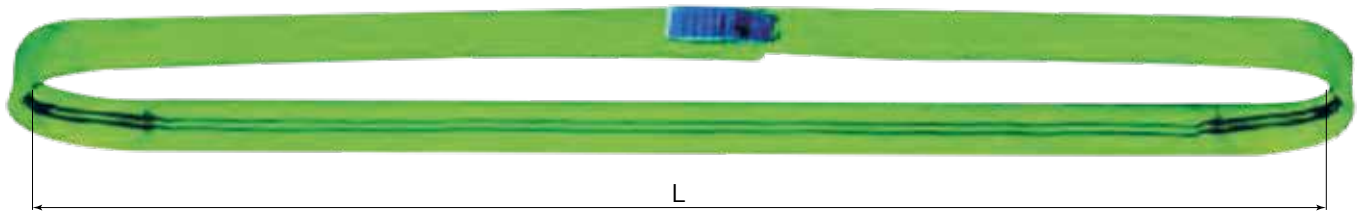
- Produced according to DIN EN 1492-1
- Safety factor 7
- Color-Code according to European standard
- EU- machine directive CE 89392 CEE II A

## R0730 Braca ad asola in poliestere - C41 Polyester eyesling - C41



	Tipo Imbraghe Slings type	Direzione di Carico Load direction	WLL (t)							
			1	2	3	4	5	6	8	10
	1 braccio 1 leg	0°	1	2	3	4	5	6	8	10
	Anello Masterlink	0°	0.8	1.6	2.4	3.2	4	4.8	6.4	8
	Brache a cesto Legged slings	≤ 6°	2	4	6	8	10	12	16	20
	Brache a cesto Legged slings	0° - 45°	1.4	2.8	4.2	5.6	7	8.4	11.2	14
	Brache a cesto Legged slings	45° - 60°	1	2	3	4	5	6	8	10
	2 bracci 2 legs	0° - 45°	1.4	2.8	4.2	5.6	7	8.4	11.2	14
	2 bracci 2 legs	45° - 60°	1	2	3	4	5	6	8	10
	2 bracci ad anello 2 legged masterlink	0° - 45°	1.12	2.24	3.36	4.48	5.6	6.72	8.96	11.2
	2 bracci ad anello 2 legged masterlink	45° - 60°	0.8	1.6	2.4	3.2	4	4.8	6.4	8

## R0731 Braca tonda in poliestere - C42 Polyester roundsling - C42



### Descrizione:

Esempio di ordinativo: R0731-20-0001  
Materiale: Poliestere

### Description:

Example of purchasing order: R0731-20-0001  
Material: Polyester

Codice Code	WLL (t)	L (m)									
		0.5	1	1.5	2	2.5	3	4	5	6	8
R0731-20-	1	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010
R0731-20-	2	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020
R0731-20-	3		0021	0022	0023	0024	0025	0026	0027	0028	0029
R0731-20-	4		0030	0031	0032	0033	0034	0035	0036	0037	0038
R0731-20-	5		0039	0040	0041	0042	0043	0044	0045	0046	0047
R0731-20-	6		0048	0049	0050	0051	0052	0053	0054	0055	0056
R0731-20-	8		0057	0058	0059	0060	0061	0062	0063	0064	0065
R0731-20-	10		0066	0067	0068	0069	0070	0071	0072	0073	0074

Brache tonde per sollevamento (PES), con guaina singola resistente all'abrasione, WLL stampato sulla guaina stessa.

- Prodotte in conformità a DIN EN1492-2.
- Fattore di sicurezza 7
- Codice colore in base agli standard europei
- Direttiva macchine EU CE89392 CEE II A

Roundslings for lifting purpose (PES), with abrasion resistant single cover, WLL printed on the cover.

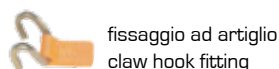
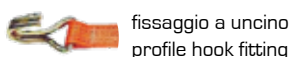
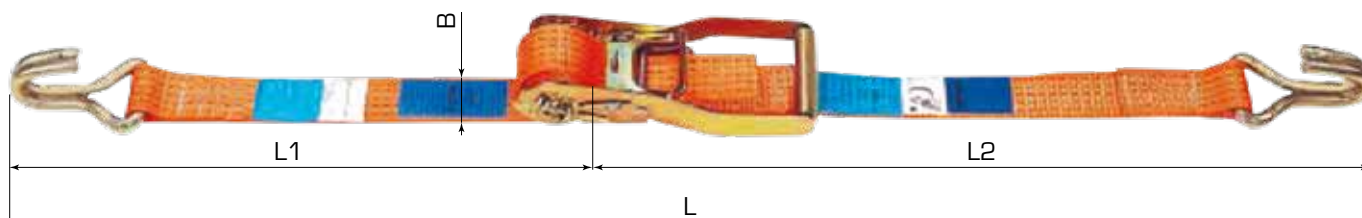
- Produced according to DIN EN 1492-1
- Safety factor 7
- Color-Code according to European standard
- EU- machine directive CE 89392 CEE II A

## R0731 Braca tonda in poliestere - C42 Polyester roundsling - C42



	Tipo Imbraghe Slings type	Direzione di Carico Load direction	WLL (t)							
			1	2	3	4	5	6	8	10
	1 braccio 1 leg	0°	1	2	3	4	5	6	8	10
	Anello Masterlink	0°	0.8	1.6	2.4	3.2	4	4.8	6.4	8
	Brache a cesto Legged slings	≤ 6°	2	4	6	8	10	12	16	20
	Brache a cesto Legged slings	0° - 45°	1.4	2.8	4.2	5.6	7	8.4	11.2	14
	Brache a cesto Legged slings	45° - 60°	1	2	3	4	5	6	8	10
	2 bracci 2 legs	0° - 45°	1.4	2.8	4.2	5.6	7	8.4	11.2	14
	2 bracci 2 legs	45° - 60°	1	2	3	4	5	6	8	10
	2 bracci ad anello 2 legged masterlink	0° - 45°	1.12	2.24	3.36	4.48	5.6	6.72	8.96	11.2
	2 bracci ad anello 2 legged masterlink	45° - 60°	0.8	1.6	2.4	3.2	4	4.8	6.4	8

## R0732 Sistema di ancoraggio - C43 Lashing system - C43



### Descrizione:

Esempio di ordinativo: R0732-20-0001

### Description:

Example of purchasing order: R0732-20-0001

Codice Code	WLL (t)	B (mm)	L (m)	L1 (m)	L2 (m)	Capacità di Serraggio Lashing capacity (daN)	Forza di Tensione standard Standard Tension force (daN)	Fissaggio Fitting	
								a uncino profile hook	ad artiglio claw hook
R0732-20-	1	25	4	0.5	3.5	500	250	0001	0002
R0732-20-	1.5	25	4	0.5	3.5	750	250	0003	
R0732-20-	1.5	25	6	0.5	5.5	750	250	0004	
R0732-20-	2	35	6	0.5	5.5	1000	250	0005	0006
R0732-20-	4	50	8	0.5	7.5	2000	250	0007	0008
R0732-20-	4	50	9	0.5	8.5	2000	250	0009	0010
R0732-20-	5	50	8	0.5	7.5	2500	250	0011	0012
R0732-20-	5	50	9	0.5	8.5	2500	250	0013	0014

Sistemi di ancoraggio per sollevamento, con struttura in poliestere, basso allungamento e con trattamento antiusura per resistere allo sfregamento e all'abrasione.

- Tenditore zincato per una maggiore durata
- Prodotti in conformità a DIN EN 12195-2

High quality load restraint assemblies, highly drawn polyester webbing with low elongation and equipment for chafe and abrasion resistance.

- Galvanized ratchet for longer life service
- Produced according to DIN EN 12195-2



# www.ranco.biz

*Tutto quello che ti serve in un solo click!  
All you need is just one click away!*



## REGISTRATI

crea il tuo account in modo semplice e veloce

## SIGN UP

create your account in an easy and fast way



## CONSULTA

i prezzi e la disponibilità in tempo reale per più di 46000 articoli

## CONSULT

prices and availability in real time for more than 46000 articles



## OFFERTA

invia la richiesta di **preventivo**

## QUOTATION

send your quotation request



## DOWNLOAD

scarica i PDF e i 3D dei prodotti presenti a catalogo

## DOWNLOAD

download the PDFs and 3Ds of our catalogue products



## ORDINA

direttamente dal nostro sito web e ricevi un rapido riscontro

## ORDER

directly from our website and get a quick reply

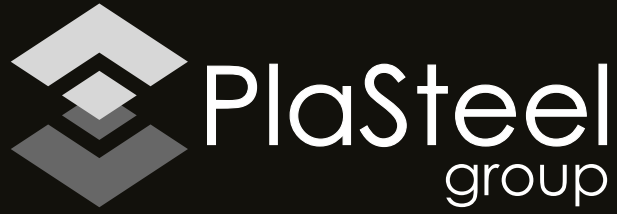


## SPEDIZIONE

immediata dei prodotti presenti a magazzino

## DELIVERY

immediate delivery for products in our stock



[www.plasteelgroup.com](http://www.plasteelgroup.com)



Ranco Srl  
[www.ranco.biz](http://www.ranco.biz)



iHR Srl  
[www.ihrsolution.it](http://www.ihrsolution.it)



Tecnostar Group Srl  
[www.tecnostargroup.it](http://www.tecnostargroup.it)



Technology & Solutions Srl  
[www.tecsolutions.it](http://www.tecsolutions.it)



Promec Fittings Srl  
[www.promecfittings.com](http://www.promecfittings.com)

**Ranco Srl**  
via Maccari, 5 - 60131 Ancona - Italy  
Tel: +39 071 2861 543 Fax: +39 071 2861 546  
[www.ranco.biz](http://www.ranco.biz) - [commerciale@ranco.biz](mailto:commerciale@ranco.biz) - [sales@ranco.biz](mailto:sales@ranco.biz)

