3A AUTOMATION

CILINDRI PNEUMATICI

PNEUMATIC CYLINDERS

Catalogo prodotti / Products catalogue

Catalogo prodotti 2024

Prodotti Standard e soluzioni Speciali Made in Italy.

Speciale è il Nostro Standard!

Scopri:

- Chi siamo
- Cosa facciamo
- Cosa ci rende diversi dagli altri
- I nostri prodotti Standard

2024 Products catalogue

Standard and Special products Made in Italy.

Special is Our Standard!

Check Out:

- *Who We are*
- *What We do*
- *What makes Us different from Others*
- *Our Standard products*

Specialisti nella progettazione e produzione di cilindri pneumatici

3A Automation nasce dalla volontà dei suoi fondatori di offrire al mercato internazionale una realtà giovane, dinamica e sopratutto specializzata nella produzione di cilindri pneumatici e relativi accessori: per questo, sin dai suoi primi passi, l'azienda ha puntato a creare un vasto catalogo di prodotti standard adatti ai più disparati mercati. A questo si affianca una forte predisposizione al su misura e all'approccio consulenziale.

Specialist in the production of pneumatic cylinders

Born from founders' intention to provide to the international market a new, dynamic and specialized producer of pneumatic cylinders and mounting accessories, 3A Automation has been working to achieve this goal by offering a wide range of standard products and ensuring a strong effort on custom-made solutions.

Mission & Vision

Offrire ai nostri clienti cilindri pneumatici standard e custom-made di alta qualità e con un occhio di riguardo all'aspetto economico.

Our target is supplying standard and special cylinders to our customers assuring high quality and convenient prices.

Un'azienda giovane con una grande esperienza

A young company with great experience

Nata a Rogeno, in provincia di Lecco, dalla volontà di offrire al mercato un nuovo e affidabile produttore di cilindri pneumatici ed accessori di fissaggio in grado di affiancare i propri partner in un mercato sempre più competitivo, 3A Automation si è presentata subito sul mercato internazionale forte della credibilità e conoscenza dei suoi componenti.

A young company but built on solid foundations, even through 3A Automation was founded only at the end of 2019, Our company can count on a qualified team with decades of experience and know-how in this field.

Established in Rogeno, in the province of Lecco, from the willing to offer a new and reliable producer of pneumatic cylinders and accessories, 3A has quickly succeeded in supporting its partners in a more competitive market.

PRODUZIONE STANDARD / *STANDARD PRODUCTION*

Cilindri pneumatici per ogni settore
Pneumatic cylinders for every industry

Sin dalla sua nascita, 3A Automation si è presentata al mercato con un catalogo comprensivo di una vasta gamma di cilindri pneumatici adatti ad ogni utilizzo e settore, con un importante focus nella realizzazione di cilindri speciali a disegno del cliente.

Since its foundation, 3A Automation has been offering to the market a complete portfolio of pneumatic cylinders for any kind of application with a strong focus on the manufacuring of custom-made solutions.

PRODUZIONE SU MISURA / *CUSTOM-MADE PRODUCTION*

Speciale è il Nostro Standard
Special is Our Standard

La specializzazione di 3A Automation nella produzione di cilindri pneumatici ed accessori di fissaggio fa sì che non solo possiamo servire con successo qualsiasi settore industriale, ma anche che il nostro personale ha sviluppato un'altissima competenza riguardo materiali, processi e design costruttivo.

3A Automation's specialization in the production of pneumatic cylinders and fixing accessories ensures not only the ability of successfully supplying any industrial fields, but also offering an high experienced support regarding materials, processes and construction design.

RICERCA E SVILUPPO / *R&D*

Abbiamo il cilindro che fa per te
We have the right cylinder for you

Dalla progettazione, alla realizzazione, ai test finali, tutti i nostri prodotti sono creazioni interne a 3A Automation: l'ufficio tecnico progetta e sviluppa ogni giorno prodotti innovativi i cui prototipi vengono attentamente testati prima di entrare in produzione.

All the products are 3A Automation internal creations: our technical department daily develops innovative solutions and prototypes that are carefully tested before starting the production

COSA CI RENDE DIVERSI
WHAT MAKES US DIFFERENT

Speciale è il Nostro Standard

Il nostro ufficio tecnico è impegnato ogni giorno nello studio della migliore soluzione, che sia standard o speciale, per ogni specifica applicazione e ambiente di lavoro.

Special is Our Standard

Our technical department is daily involved in studying both standard and special solutions to suit every specific application and working environment.

Il nostro approccio customer-based e la nostra alta predisposizione al "su misura" ci ha permesso di progettare più di 600 diverse tipologie di cilindri speciali.

La forza di 3A non risiede solamente nelle attrezzature e nei processi produttivi, ma bensì in un patrimonio di conoscenze risultante da più di 20 anni di esperienza nella produzione di cilindri.

Our customer-based approach together with a strong focus on special projects allowed us to developed more than 600 different types of special cylinders.

3A's strength does not lie only on equipments and production processes, although fundamental, but in a wealth of knowledge and know-how that can't be built from scratch.

LA QUALITÀ NON È UN OPTIONAL

Uno dei punti di forza di 3A Automation risiede nella capacità di fornire ai propri clienti prodotti standard e speciali di alta qualità a prezzi competitivi.

Questo deriva dall'ottimizzazione della nostra azienda riguardo materiali, processi e dall'attenzione con cui ci assicuriamo che ogni pezzo sia perfetto in ogni sua parte.

Tutti i Nostri prodotti sono orgogliosamente Made in Italy!

Tutti i Nostri prodotti, che si tratti di standard o speciali, vengono testati al 100% prima di lasciare la nostra azienda.

I report dei nostri test vengono salvati e conservati dal nostro Ufficio Qualità.

PERFECTION IS A MUST-HAVE IN 3A

One of the 3A Automation point of strength is the ability of providing high quality standard and special products at convenient prices.

This is possible thanks to an optimization about materials and processes together with a strong focus in reaching the highest quality standards for each components.

All Our products are proudly Made in Italy!

Both Our standard and special products are carefully and 100% tested before leaving 3A.

All the corresponding reports are saved on our server by our Quality Department.

ALCUNE DELLE INDUSTRIE CHE SERVIAMO
SOME OF THE INDUSTRIES WE SUPPLY

Industria dei trasporti
Transport Industry

3A ha una forte presenza nel mercato Europeo nella fornitura di cilindri pneumatici ed attuatori elettrici speciali per apertura automatizzata delle porte di bus e treni e per produttori di rimorchi per cammion e vagoni.

3A has a strong business presence in Europe as reliable supplier of pneumatic and electric cylinders for opening door systems producers for buses and trains and for truck trailers and wagon manufacturers.

Agricoltura e processo
Agriculture & process industry

La nostra azienda è da sempre presente nel settore Agri, sia per la produzione di cilindri utilizzati su macchine agricole, sia per la realizzazione di cilindri speciali sviluppati per selezionatrici ottiche da campo o con applicazione nell'industria di processo.

Our company has always been present in the Agri sector, both regarding the production of cylinders for agriculture machinery and about special cylinders developed for optical sorters for field harvesters or process industry.

Industria Tessile
Textile Industry

La capacità di 3A di realizzare sia prodotti standard che custom-made ci ha permesso di avere una forte presenza in Italia e all'estero come fornitore di prodotti di qualità nell'industria tessile, spaziando dalla realizzazione di speciali capaci di operare ad alte velocità e frequenza fino a cilindri a bassissimo attrito particolarmente utilizzati in questo segmento.

Our ability in manufacturing standard and special cylinders allows to have a primary role as supplier of quality products in the textile industry.
For this particular field we produce a wide range of solutions spacing from cylinders that operate at very high speed and frequency to low-friction cylinders.

DATI TECNICI
TECHNICAL DATA

QUALITÀ DELL' ARIA / *AIR QUALITY*

I cilindri sono progettati per impiego con aria compressa senza lubrificazione e nel caso si utilizzi aria lubrificata la lubrificazione dev'essere continua. L'aria da impiegare deve essere conforme alla norma ISO 8573-1, classe 3.4.3. o superiore.

Pneumatic cylinders are designed to work with compressed air without external lubrication. In case of external lubrication this must be continual and never interrupted. Compressed air is required according to ISO 8573-1,

FORZE / *FORCES*

Il cilindro pneumatico sviluppa una certa forza in relazione all'alesaggio e alla pressione di esercizio. Le formule per calcolare le forze di spinta e trazione sono:

$$F_S = \frac{\Pi \cdot D^2}{4} \cdot p \cdot \eta$$

dove:
FS è la forza sviluppata dal cilindro in spinta [N];
D è l'alesaggio del cilindro [mm];
p è la pressione di lavoro [bar];
η è il coefficiente di rendimento (posto uguale a 0.9, quindi il 10% della forza viene persa per l'attrito);
La formula per calcolare la forza nella fase di trazione è la seguente:

$$F_T = \frac{\Pi \cdot (D^2 - d^2)}{4} \cdot p \cdot \eta$$

dove:
FT è la forza sviluppata dal cilindro in trazione [N];
D è l'alesaggio del cilindro [mm];
d è il diametro dello stelo [mm];
p è la pressione di lavoro [bar];
η è il coefficiente di rendimento (posto uguale a 0.9, quindi il 10% della forza viene persa a causa degli attriti).

A pneumatic cylinder produces a certain force in relation to the working pressure and cylinder's bore. The formulas for forces estimation of thrust and traction powers are:

$$F_T = \frac{\Pi \cdot D^2}{4} \cdot p \cdot \eta$$

where:
FT is the thrust force generated in outward stroke [N];
D is the cylinder bore [mm];
p is the working pressure [bar];
η *is the coefficient of performance (set equal to 0.9, therefore 10% of the theoretical force is lost due to friction);*
The pull force is determined with the following formula:

$$F_P = \frac{\Pi \cdot (D^2 - d^2)}{4} \cdot p \cdot \eta$$

where:
FP is the pull force generated in return stroke [N];
D is the cylinder bore [mm];
d is the piston rod diameter [mm];
p is the working pressure [bar];
η *is the coefficient of performance (set equal to 0.9, therefore 10% of the theoretical force is lost due to friction).*

APPLICAZIONE / *HOW TO USE*

I cilindri sono studiati per lavorare come attuatori lineari, ne è pertanto sconsigliata l'applicazione di carichi radiali. Chi comunque intende applicare carichi radiali all'estremità dello stelo deve valutare l'utilizzo di supporti esterni, di fissaggi adeguati o di ricorrere a esecuzioni speciali.

Cylinders are developed to work as linear actuators and therefore are not recommended the application of side loads. If the application of side loads of the rod is unavoidable we can study the design and offer external supports – such as 'H' blocks, appropriate mounting accessories or even evaluate a special solution.

VITA UTILE / *SERVICE LENGTH*

La vita utile di un cilindro dipende da molteplici fattori quali ad esempio la presenza o meno di carichi radiali, la frequenza di utilizzo, la velocità di utilizzo, la temperatura, l'ambiente di lavoro. A titolo indicativo possono essere utilizzati i seguenti dati da non considerarsi come indice di garanzia:

Service length of cylinders is highly related to several application factors including the work frequency, speed of cylinder, temperature, work environment and side loading. 3A provides the following data to be used as an indication of life-time under ideal conditions and not as warranty:

ISO15552 guarnizioni in poliuretano	15.000 km
ISO15552 guarnizioni in NBR	8.000 km
ISO6432 guarnizioni in poliuretano	30.000 km
ISO6432 guarnizioni in NBR	15.000 km
ISO21287	15.000 km

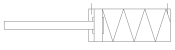
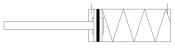
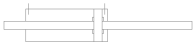
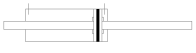
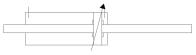
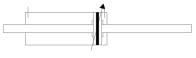
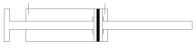
ISO15552 polyurethane seals	15.000 km
ISO15552 NBR seals	8.000 km
ISO6432 polyurethane seals	30.000 km
ISO6432 NBR seals	15.000 km
ISO21287	15.000 km

CONSUMO ARIA / *AIR CONSUMPTION*

Il consumo d'aria corrisponde al volume utilizzato dal cilindro ad ogni ciclo completo (in-out).
Il consumo viene calcolato mediante la seguente formula:
Ca = Pa x S x (Ap + ***Δ***)
Pa = Pressione assoluta in [bar]
S = Corsa del cilindro [dm]
Ap = Area del pistone [dm]
Δ = Differenza tra diametro pistone e diametro stelo [dm2]

Air consumption of cylinder correspond to the volume of air used for every single cycle (in-out).
The consumption of air is calculated by the following formula:
*Ca = Pa x S x (Ap + **Δ**)*
Pa = Absolute pressure [bar]
S = Stroke of cylinder [dm]
Ap = Piston surface [dm]
Δ *= Difference between piston diameter and rod diameter [dm2]*

SIMBOLOGIA PNEUMATICA / *PNEUMATIC SIMBOLS*

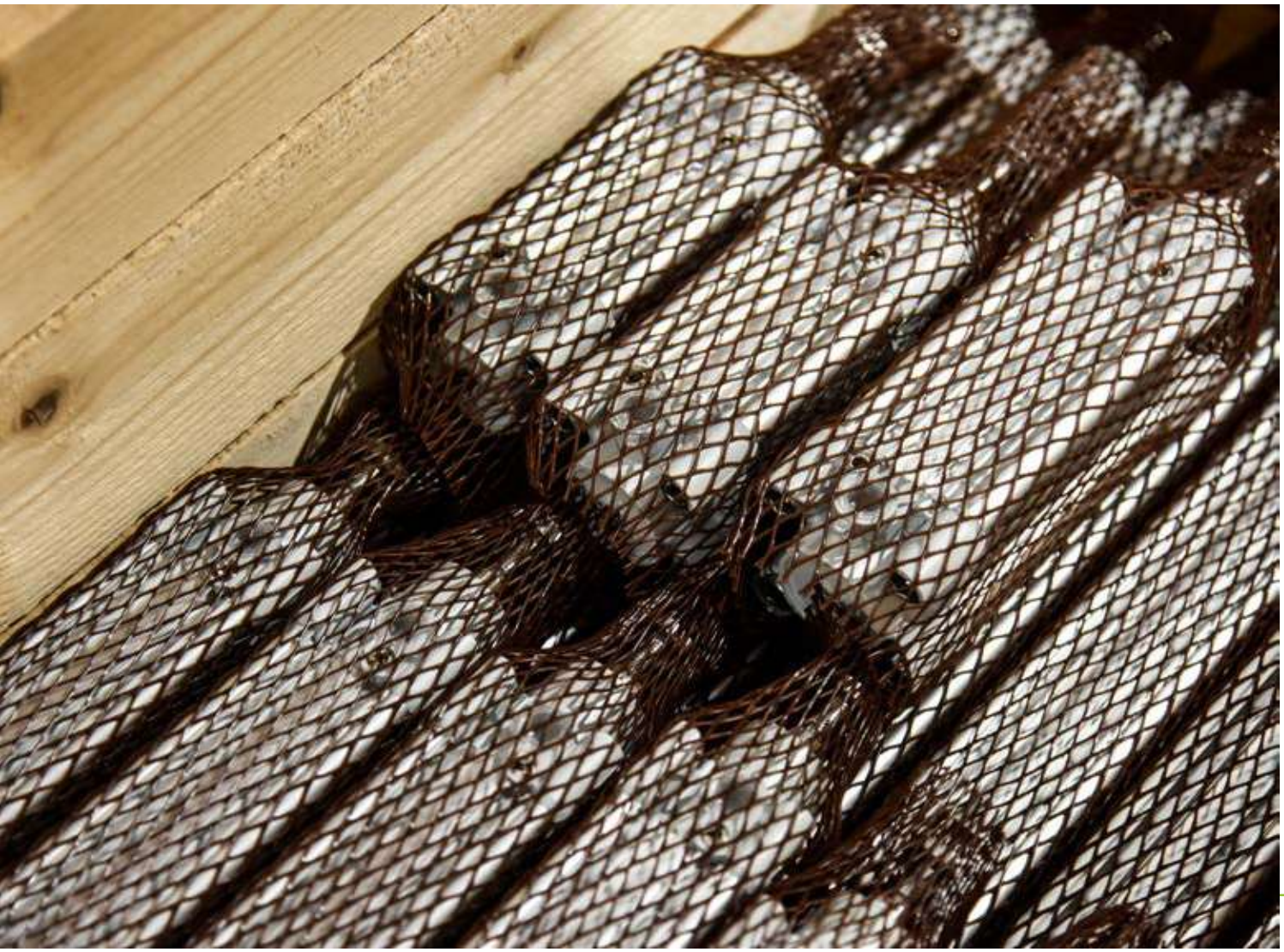
1		Cilindro semplice effetto molla anteriore Single acting cylinder front spring	
2		Cilindro semplice effetto molla anteriore magnetico Single acting cylinder front spring magnetic	
3		Cilindro semplice effetto molla posteriore Single acting cylinder rear spring	
4		Cilindro semplice effetto molla posteriore magnetico Single acting cylinder rear spring magnetic	
5		Cilindro doppio effetto Double acting cylinder	
6		Cilindro doppio effetto magnetico Double acting cylinder magnetic	
7		Cilindro doppio effetto ammortizzato Double acting cylinder cushioned	
8		Cilindro doppio effetto magnetico ammortizzato Double acting cylinder magnetic cushioned	
9		Cilindro doppio effetto passante Double acting cylinder through rod	
10		Cilindro doppio effetto magnetico passante Double acting cylinder magnetic through rod	
11		Cilindro doppio effetto ammortizzato passante Double acting cylinder cushioned through rod	
12		Cilindro doppio effetto magnetico ammortizzato passante Double acting cylinder magnetic cushioned through rod	
13		Cilindro doppio effetto magnetico antirotazione Double acting cylinder magnetic not-rotating	
14		Cilindro doppio effetto magnetico antirotazione passante Double acting cylinder magnetic not-rotating through rod	

GAMMA STANDARD
STANDARD PRODUCTS PORTFOLIO

CILINDRI IN ALLUMINIO / *ALUMINUM CYLINDERS*

CILINDRI IN ACCIAIO INOX
STAINLESS STEEL CYLINDERS

CILINDRI IN ACCIAIO INOX / *STAINLESS STEEL CYLINDERS*



ACCESSORI DI FISSAGGIO
FIXING ACCESSORIES

ACCESSORI IN ACCIAIO INOX / *STAINLESS STEEL ACCESSORIES*

MICROCILINDRI ISO6432 Ø8-25
ISO6432 MICROCYLINDERS Ø8-25

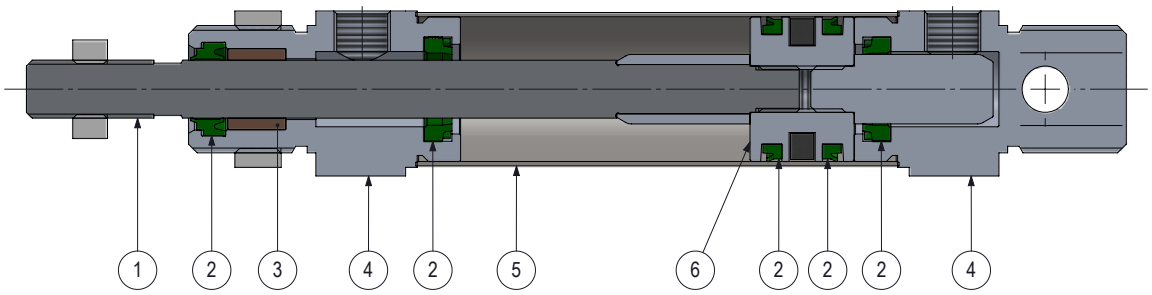
Cilindri realizzati secondo norma ISO6432 disponibili da Ø8 a Ø25 in versione semplice e doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Altamente resistenti grazie a chiusura tramite cianfrinatura**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Disponibili secondo diverse varianti costruttive**
- **Interamente realizzabili in versione speciale a disegno**

Cylinders produced according to ISO6432 norm available from Ø8 up to Ø25, in single or double acting, magnetic or not, in cushioned or not version and with standard or through piston rod.

- *High resistance thanks to crimping closure*
- *High and long-lasting performances thanks to PU seals*
- *Available according to several construction variants*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio anodizzato** *Anodized aluminum*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Ø8-12 Ottone Ø16-25 Alluminio** *Ø8-12 Brass Ø16-25 Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
MA	DE	0	M	N	020	0100

DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**008** **Ø8**	**XXXX** **corsa** *stroke*
SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**010** **Ø10**	
SP **Semplice effetto molla posteriore** *Single acting rear spring*				**012** **Ø12**	
				016 **Ø16**	
				020 **Ø20**	
				025 **Ø25**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Costruzione *Construction*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	R	X	P020		T

HR **Stelo Viton** *Viton rod seal*	**E** **Antirotazione** *Not rotating*	**X** **AISI316** *AISI316*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*
HA **Tutto Viton** *All Viton*	**A** **Vers. corta alim. assiale** *Short version axial inet*			
	R **Vers. corta alim. radiale** *Short version radial inet*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

MICROCILINDRI ISO6432 Ø8-25
ISO6432 MICROCYLINDERS Ø8-25

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
8	*	*	*	*	*							
10	*	*	*	*	*							
12	*	*	*	*	*	*	*	*				
16	*	*	*	*	*	*	*	*				
20	*	*	*	*	*	*	*	*	*	*		
25	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard massime versione semplice effetto (10-25-50)
Single acting cylinders Maximum standard strokes (10-25-50)

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

FORZE TEORICHE / *THEORETICAL FORCES*

Molla anteriore
Front spring

Ø	10		25		50	
	F1	F2	F1	F2	F1	F2
8	4,1	4,6	3,4	4,6	2,2	4,6
10	4,1	4,6	3,4	4,6	2,2	4,6
12	5,6	6	5,5	6	4,1	6
16	19,2	21,5	15,7	21,5	9,8	21,5
20	20,4	22,5	17,3	22,5	11,7	22,5
25	17,5	18,8	15,58	18,8	12,4	18,8

Molla posteriore
Rear spring

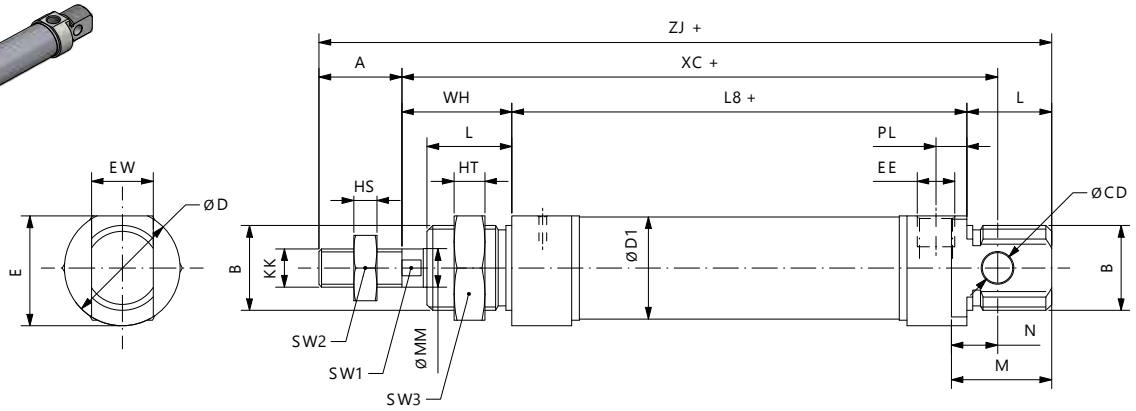
Ø	10		25		50	
	F1	F2	F1	F2	F1	F2
8	5,5	6	4,8	6	3,6	6
10	5	6,2	3,3	6,2	-	-
12	13	14,2	11,3	14,2	8,5	14,2
16	19	20,7	16,3	20,7	12	20,7
20	57,2	61,5	50,7	61,5	39,8	61,5
25	28,5	30,6	25,3	30,6	19,8	30,6

F teoriche a 6 bar
Thererical F at 6 bar

Ø	Forza di spinta (N) *Thrust force (N)*	Forza di trazione (N) *Traction force (N)*
8	30	23
10	47	40
12	68	51
16	121	104
20	189	158
25	295	247

SEMPLICE EFFETTO MOLLA ANTERIORE
SINGLE ACTING FRONT SPRING

MASA0NN - MASA0MN

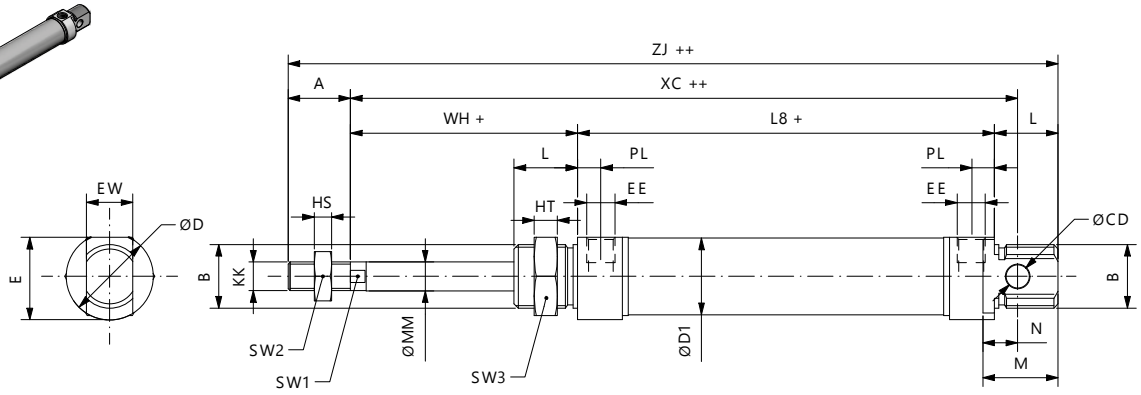


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
8	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	9,27	46	64	86	6	4	8	16	15
10	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	11,27	46	64	86	6	4	8	16	15
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	22	5	M5	13,27	48	75	104	9	6	12	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	20	4.5	M5	17,27	53	82	109	9	6	12	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	67	95	131	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	68	104	140	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*

SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

MASP0NN - MASP0MN



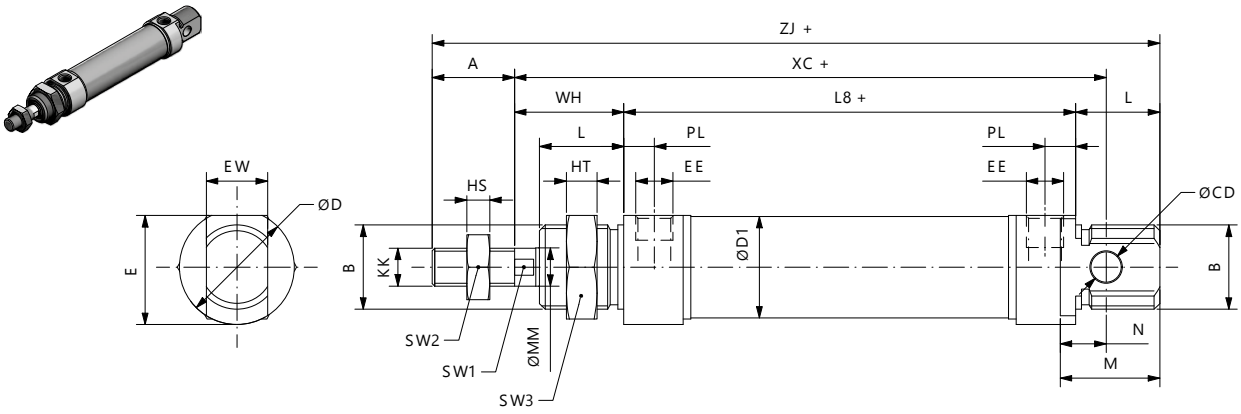
Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
8	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	9,27	64	82	104	6	4	8	16	15
10	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	11,27	71,5	89,5	111,5	6	4	8	16	15
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	22	5	M5	13,27	70,5	97,5	126,5	9	6	12	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	20	4.5	M5	17,27	82	111	138	9	6	12	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	98,5	126,5	162,5	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	99,5	135,5	171,5	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

MICROCILINDRI ISO6432 Ø8-25
ISO6432 MICROCYLINDERS Ø8-25

DOPPIO EFFETTO
DOUBLE ACTING

MADE0NN - MADE0MN

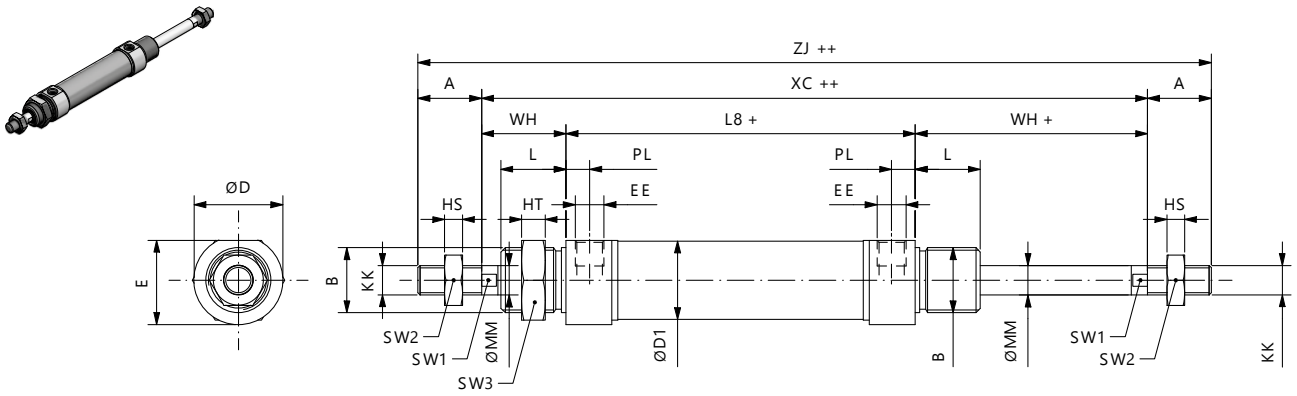


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
8	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	9,27	46	64	86	6	4	8	16	15
10	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	16	5	M5	11,27	46	64	86	6	4	8	16	15
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	22	5	M5	13,27	48	75	104	9	6	12	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	20	4.5	M5	17,27	53	82	109	9	6	12	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	67	95	131	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	68	104	140	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

MADE1NN - MADE1MN

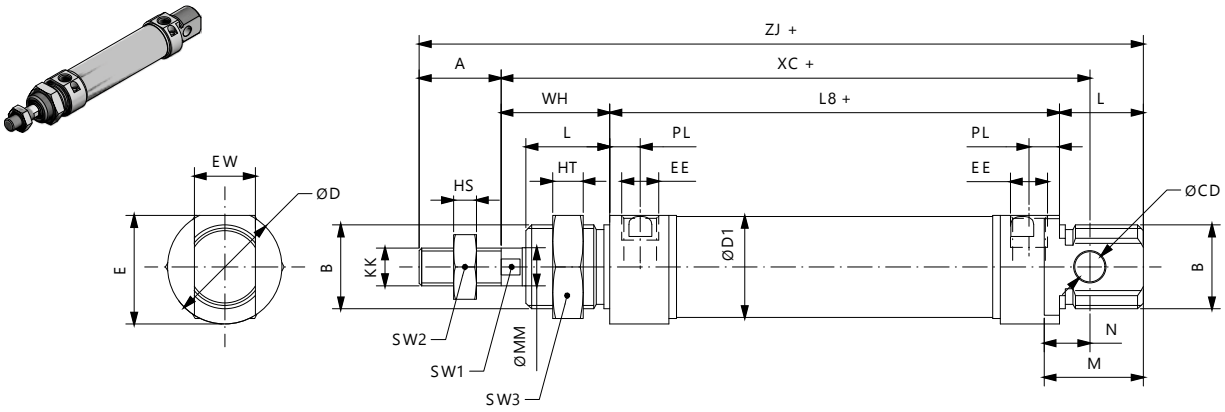


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	PL	EE	ØD1	L8	XC	ZJ	ØD	E
8	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	5	M5	9,27	46	78	102	16	15
10	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	5	M5	11,27	46	78	102	16	15
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	5	M5	13,27	48	92	124	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	20	4.5	M5	17,27	53	97	129	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	28	8	1/8 G	21,27	67	115	155	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	26	8	1/8 G	26,5	68	124	168	30	28,5

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO AMMORTIZZATO
DOUBLE ACTING CUSHIONED

MADE0NA - MADE0MA

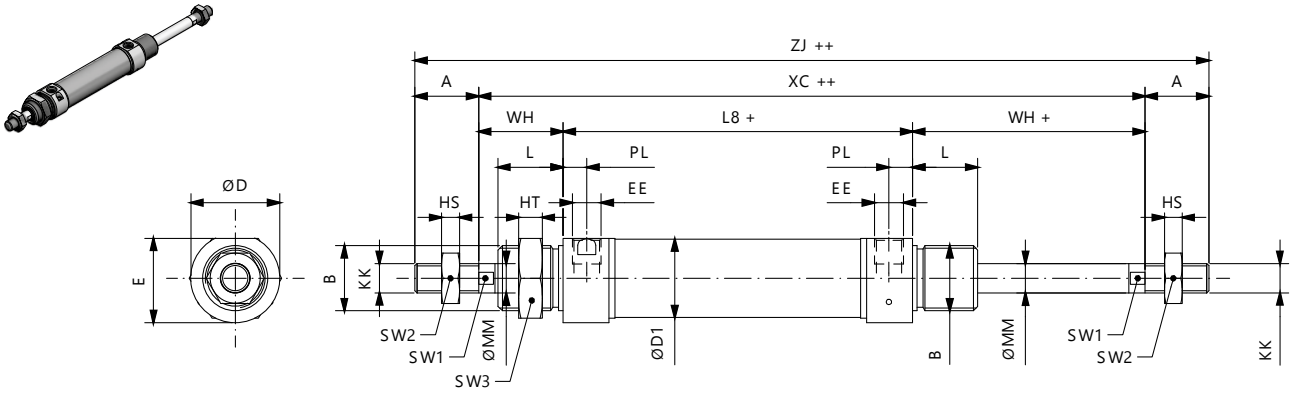


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	20	5	M5	17,27	53	82	109	9	6	12	21	20
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	67	95	131	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	68	104	140	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO AMMORTIZZATO PASSANTE
DOUBLE ACTING CUSHIONED THROUGH ROD

MADE1NA - MADE1MA

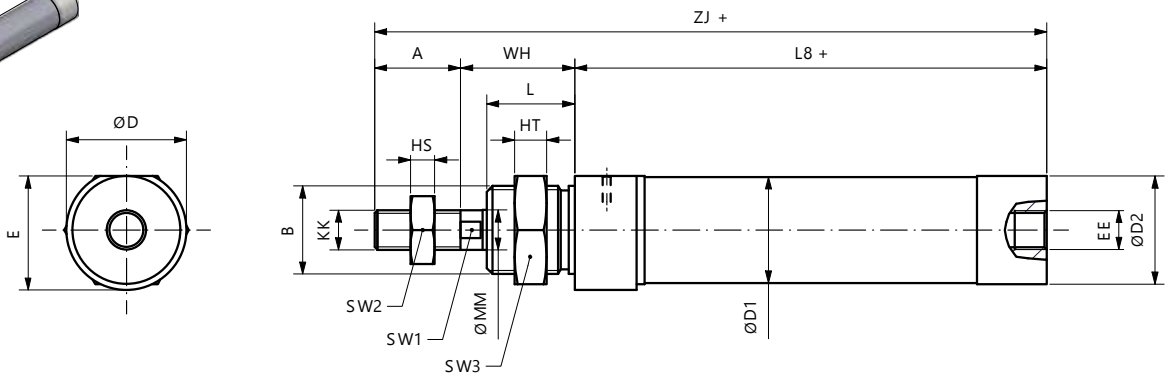


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	PL	EE	ØD1	L8	XC	ZJ	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	5	M5	17,27	53	97	129	21	20
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	8	1/8 G	21,27	67	115	155	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	8	1/8 G	26,5	68	124	168	30	28,5

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

MICROCILINDRI ISO6432 Ø8-25
ISO6432 MICROCYLINDERS Ø8-25

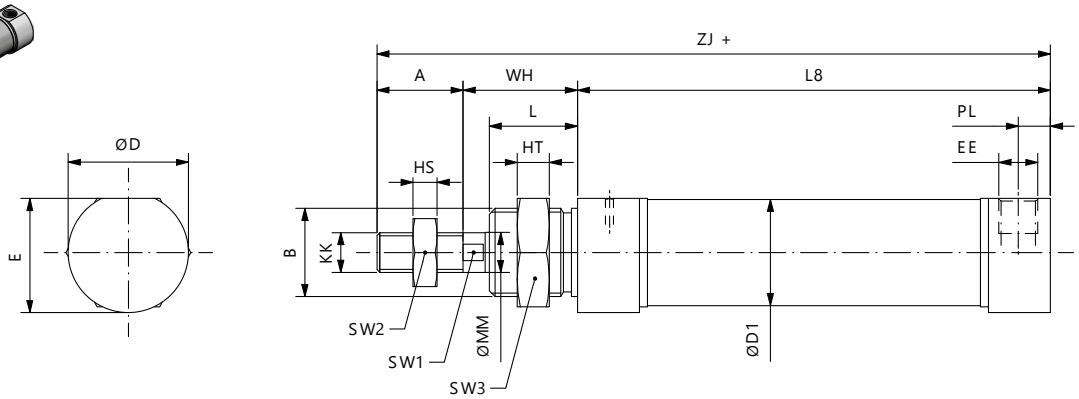
VERSIONE CORTA SEMPLICE EFFETTO
SHORT VERSION SINGLE ACTING
ALIMENTAZIONE ASSIALE / *AXIAL INLET*



Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	EE	ØD1	L8	ZJ	ØD2	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	M5	17,27	52	90	17,2	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	1/8 G	21,27	65	109	22,2	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	1/8 G	26,5	66	116	27	30	28,5

+ = sommare corsa / *plus stroke length*

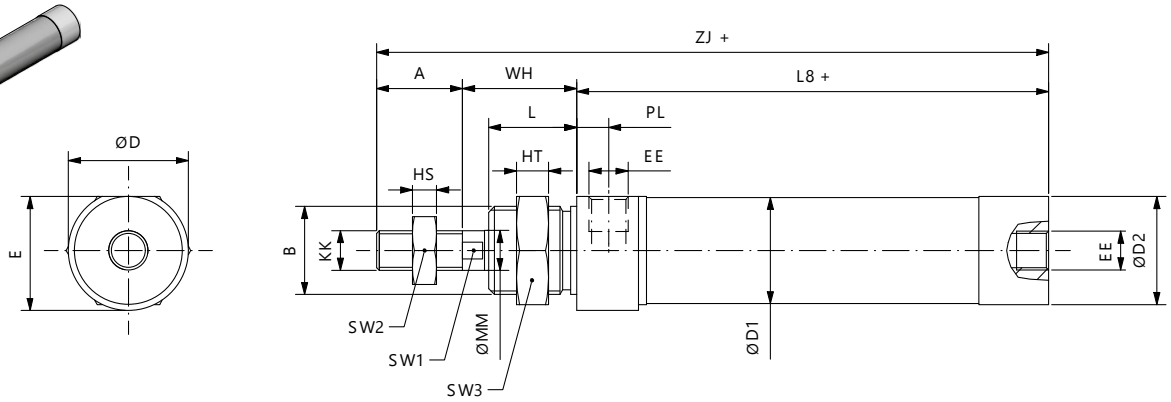
VERSIONE CORTA SEMPLICE EFFETTO
SHORT VERSION SINGLE ACTING
ALIMENTAZIONE RADIALE / *RADIAL INLET*



Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	EE	ØD1	L8	ZJ	PL	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	M5	17,27	52,5	90,5	4,5	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	1/8 G	21,27	67	111	8	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	1/8 G	26,5	68	118	8	30	28,5

+ = sommare corsa / *plus stroke length*

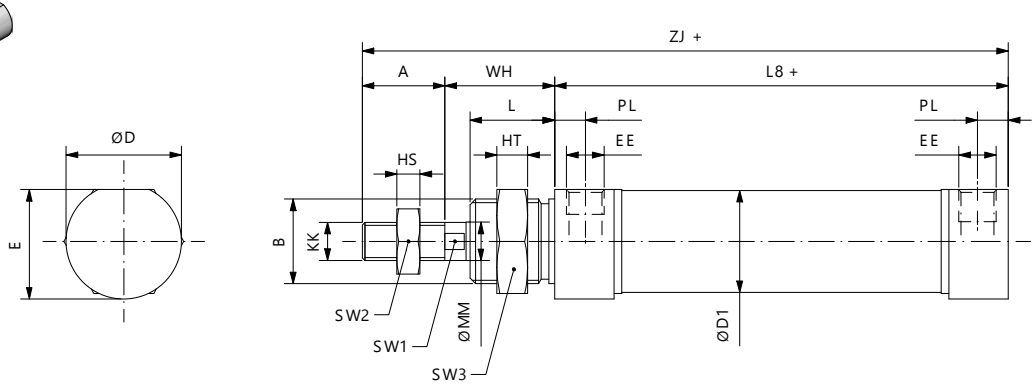
VERSIONE CORTA DOPPIO EFFETTO
SHORT VERSION DOUBLE ACTING
ALIMENTAZIONE ASSIALE / *AXIAL INLET*



Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	PL	EE	ØD1	L8	ZJ	ØD2	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	4,5	M5	17,27	52	90	17,2	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	8	1/8 G	21,27	65	109	22,2	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	8	1/8 G	26,5	66	116	27	30	28,5

+ = sommare corsa / *plus stroke length*

VERSIONE CORTA DOPPIO EFFETTO
SHORT VERSION DOUBLE ACTING
ALIMENTAZIONE RADIALE / *RADIAL INLET*

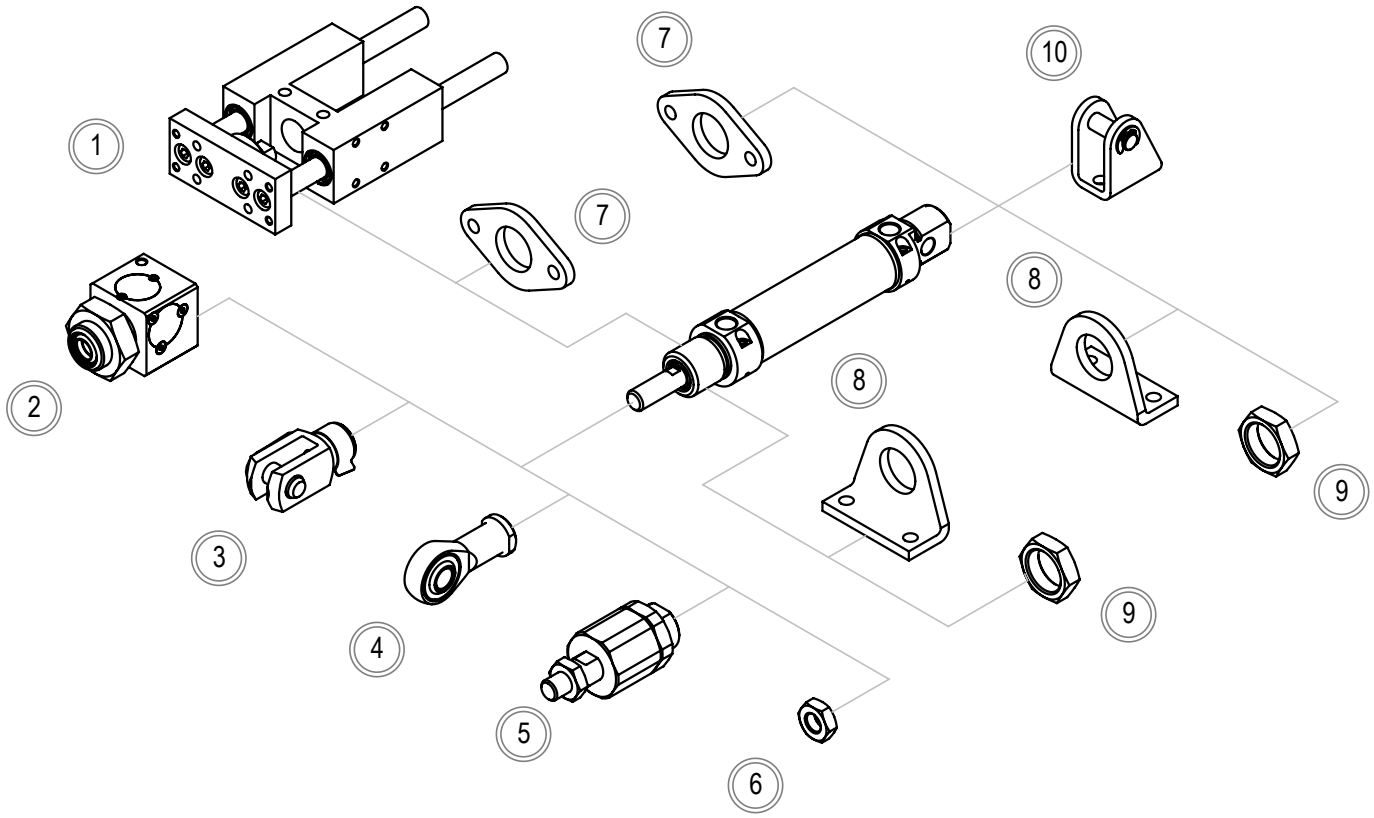


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	EE	ØD1	L8	ZJ	PL	ØD	E
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	M5	17,27	52,5	90,5	4,5	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	1/8 G	21,27	67	111	8	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	1/8 G	26,5	68	118	8	30	28,5

+ = sommare corsa / *plus stroke length*

MICROCILINDRI ISO6432 Ø8-25
ISO6432 MICROCYLINDERS Ø8-25

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Unità di guida** *Guide unit*	**200**	**-**
2	**Bloccastelo** *Rod Lock*	**211**	**-**
3	**Forcella** *Clevis*	**157**	**185**
4	**Testa a snodo** *Rod end*	**158**	**185**
5	**Giunto autoallineante** *Self-aligning joint*	**158**	**-**
6	**Dado stelo** *Piston rod nut*	**159**	**186**
7	**Flangia MF8** *Flange MF8*	**162**	**188**
8	**Piedino MS3** *Foot MS3*	**163**	**189**
9	**Dado testata** *Cover nut*	**159**	**186**
10	**Cerniera femmina MP3** *Female hinge MP3*	**163**	**189**

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*
Dado testata / *Cover nut*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI303** *AISI303 piston rod bar*	**Barra stelo in AISI316** *AISI316 piston rod bar*	**Ø**
08-10	V30BRT0304000	V30BRT0504000	4
12-16	V30BRT0306000	V30BRT0506000	6
20	V30BRT0308000	V30BRT0508000	8
25	V30BRT0310000	V30BRT0510000	10

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø cilindro *Ø cylinder*	**Barra tubo in AISI304** *AISI304 tube bar*	
08	V30TGT0408000	Ø8XØ9,27
10	V30TGT0410000	Ø10XØ11,27
12	V30TGT0412000	Ø12XØ13,27
16	V30TGT0416000	Ø16XØ17,27
20	V30TGT0420000	Ø20XØ21,27
25	V30TGT0425000	Ø25XØ26,52

Barre lunghezza 3 metri
3 meter long bars

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

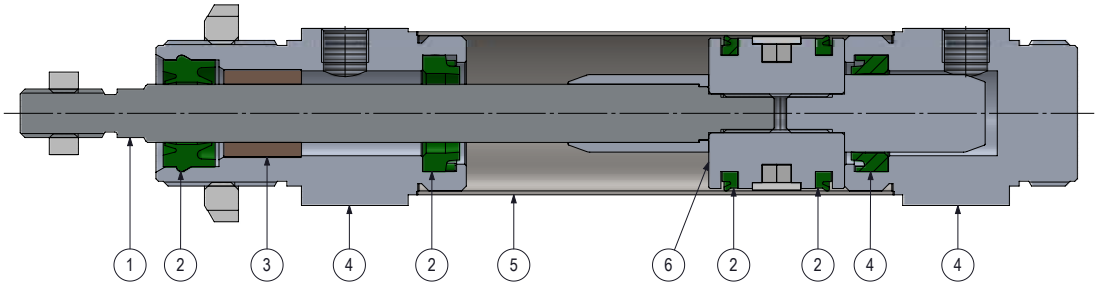
Cilindri tondi intercambiabili ai principali produttori disponibili da Ø32 a Ø63 in versione semplice e doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Altamente resistenti grazie a chiusura tramite cianfrinatura**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Interamente realizzabili in versione speciale a disegno**

Round cylinders alternative to the major competitors' products available from Ø32 up to Ø63, in single or double acting, magnetic or not, in cushioned or not and with standard or through rod.

- *High resistance thanks to crimping closure*
- *High and long-lasting performances thanks to PU seals*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio anodizzato** *Anodized aluminum*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
EA	DE	0	M	N	050	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**040** **Ø40**	
					050 **Ø50**	
					063 **Ø63**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	X	P020		T
HR **Stelo Viton** *Viton rod seal*	**X** **AISI316** *AISI316*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*				

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard massime versione semplice effetto (10-25-50)
Single acting cylinders Maximum standard strokes (10-25-50)

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

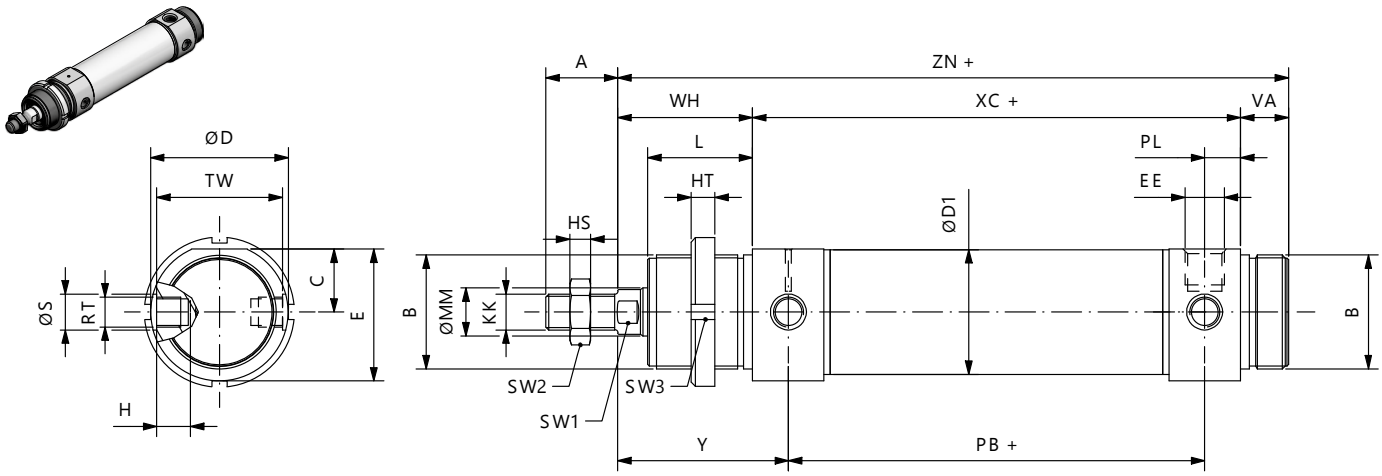
FORZE TEORICHE / *THEORETICAL FORCES*

	F teoriche a 6 bar *Thererical F at 6 bar*	
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681

Forze delle molle per la versione semplice effetto disponbili su richiesta
Spring forces for single acting version available on request and on price list

SEMPLICE EFFETTO MOLLA ANTERIORE
SINGLE ACTING FRONT SPRING

EASA0NN - EASA0MN

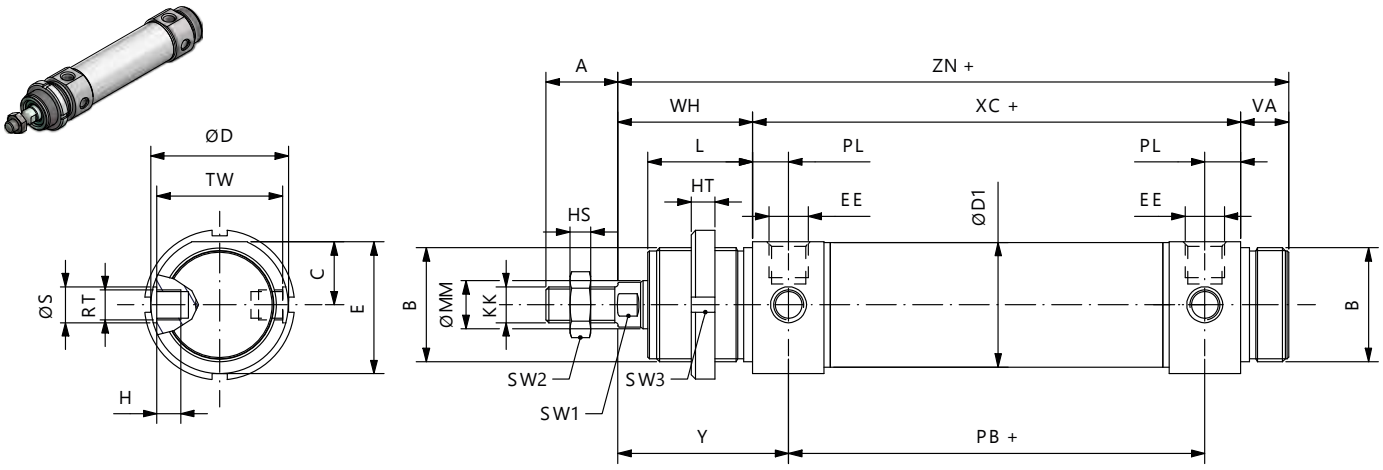


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	VA	WH	Y	ZN	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	14	38	47	148	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	16	45	57	174	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	18	50	62	188	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	18	50	63	192	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO
DOUBLE ACTING

EADE0NN - EADE0MN



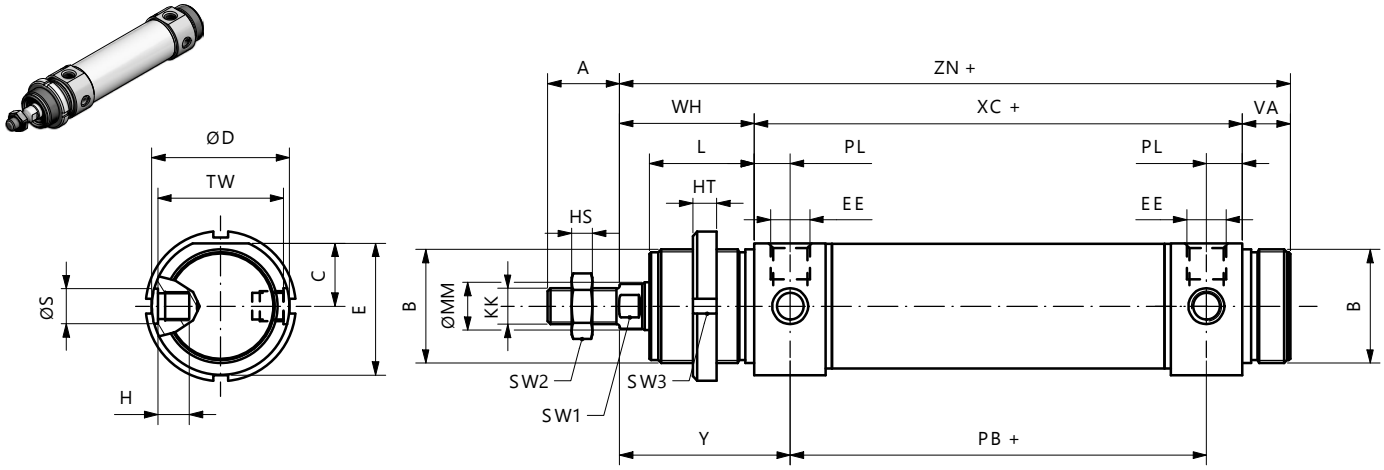
Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	VA	WH	Y	ZN	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	14	38	47	148	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	16	45	57	174	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	18	50	62	188	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	18	50	63	192	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

DOPPIO EFFETTO AMMORTIZZATO
DOUBLE ACTING CUSHIONED

EADE0NA - EADE0MA

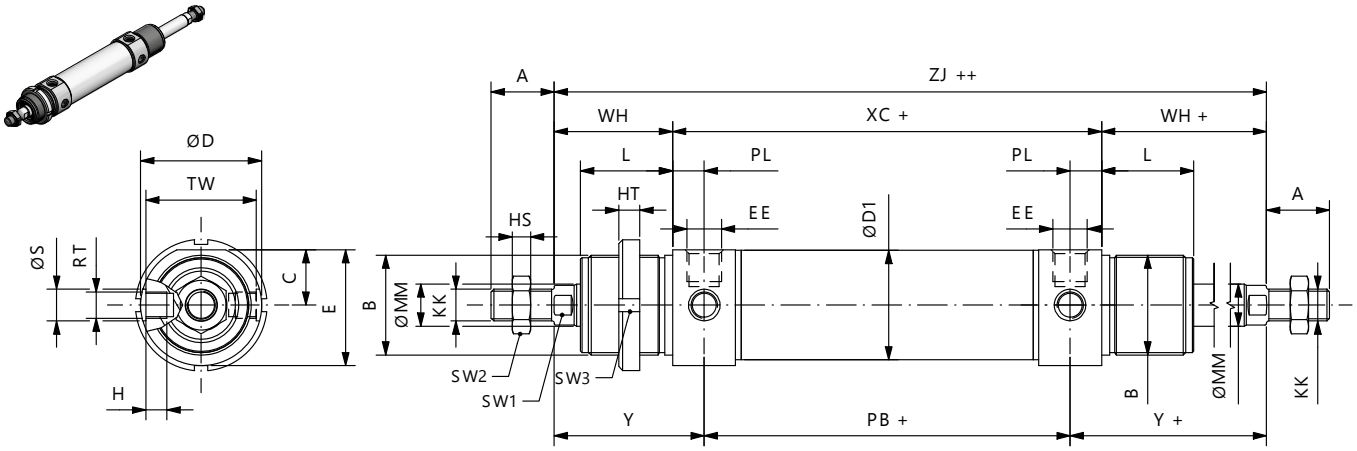


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	VA	WH	Y	ZN	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	14	38	47	148	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	16	45	57	174	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	18	50	62	188	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	18	50	63	192	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

EADE1NN - EADE1MN

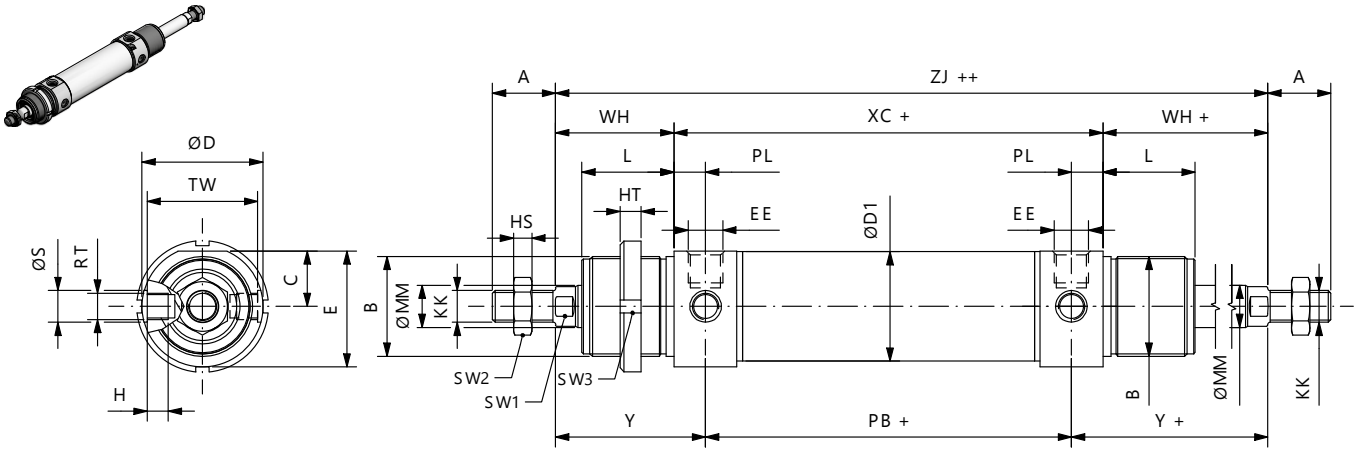


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	WH	Y	ZJ	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	38	47	172	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	45	57	203	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	50	62	220	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	50	63	224	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO AMMORTIZZATO PASSANTE
DOUBLE ACTING CUSHIONED THROUGH ROD

EADE1NA - EADE1MA

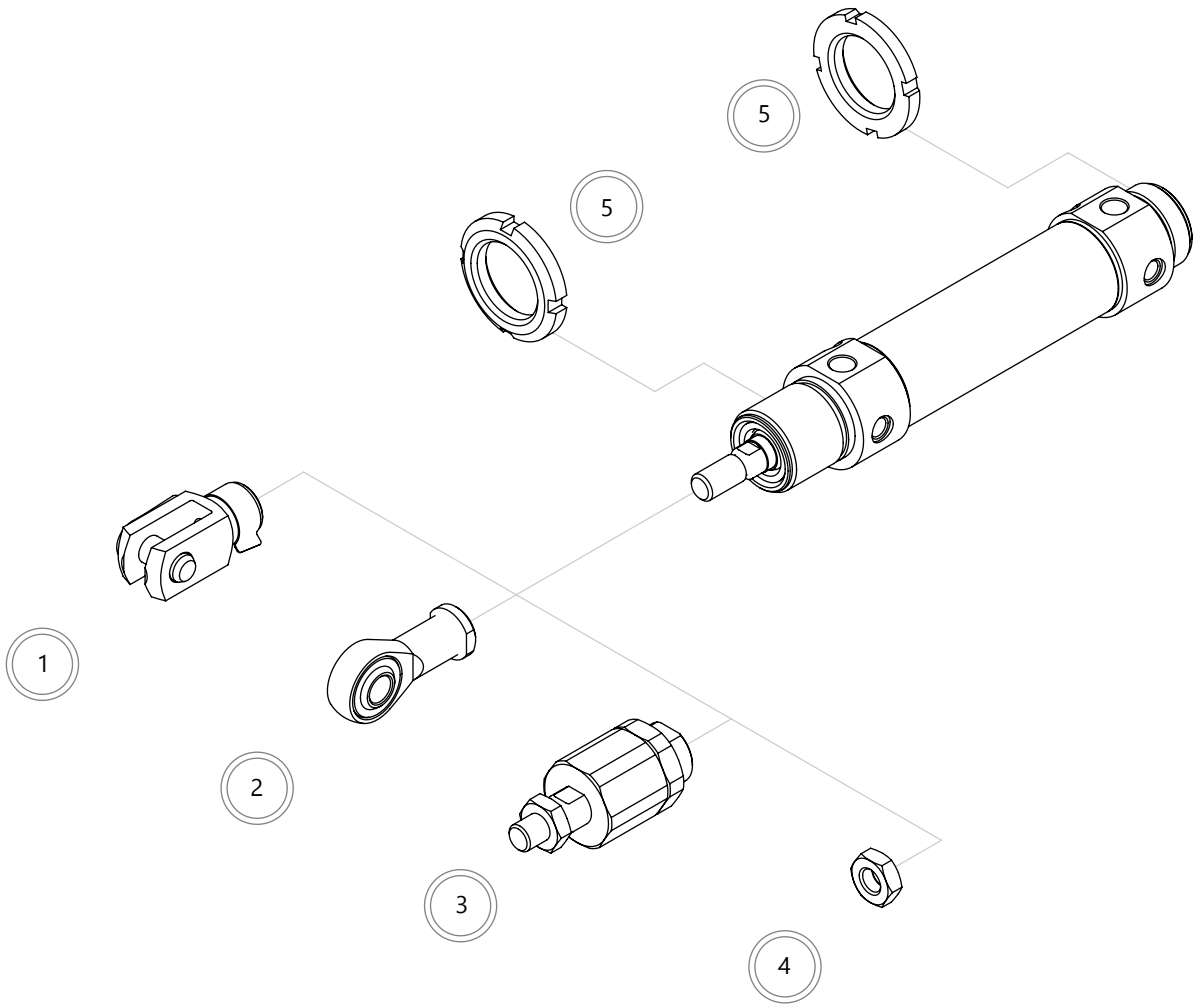


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	WH	Y	ZJ	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	38	47	172	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	45	57	203	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	50	62	220	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	50	63	224	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*
Ghiera non compresa nella fornitura / *Cover nut not included*

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Forcella** *Clevis*	**157**	**185**
2	**Testa a snodo** *Rod end*	**158**	**185**
3	**Giunto autoallineante** *Self-aligning joint*	**158**	**-**
4	**Dado stelo** *Piston rod nut*	**159**	**186**
5	**Ghiera** *Slotted nut*	**160**	**187**

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI303** *AISI303 piston rod bar*	**Barra stelo in AISI316** *AISI316 piston rod bar*	**Ø**
32	V30BRT0312000	V30BRT0512000	12
40	V30BRT0316000	V30BRT0516000	16
50	V30BRT0320000	V30BRT0520000	20
63	V30BRT0320000	V30BRT0520000	20

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø cilindro *Ø cylinder*	**Barra tubo in AISI304** *AISI304 tube bar*	
32	V30TGT0432000	Ø32XØ33,6
40	V30TGT0440000	Ø40XØ41,6
50	V30TGT0450000	Ø50XØ52,4
63	V30TGT0463000	Ø63XØ65,4

Barre lunghezza 3 metri
3 meter long bars

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

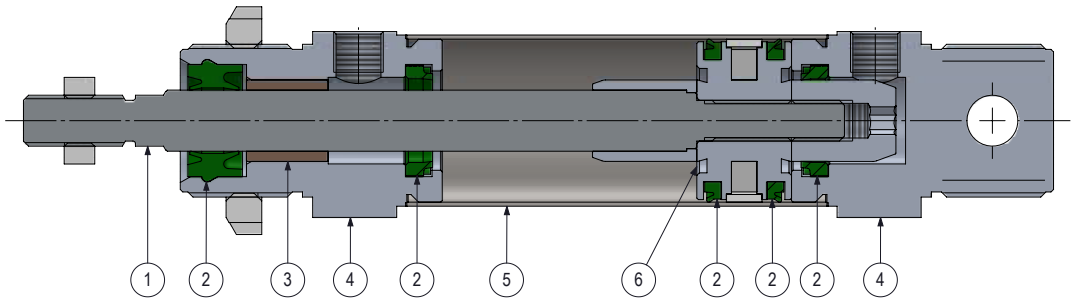
Cilindri tondi intercambiabili ai principali produttori disponibili da Ø32 a Ø63 in versione doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Altamente resistenti grazie a chiusura tramite cianfrinatura**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Disponibili secondo diverse varianti costruttive**
- **Interamente realizzabili in versione speciale a disegno**

Round cylinders alternative to the major competitors' products available from Ø32 up to Ø63, in single or double acting, magnetic or not, in cushioned or not and with standard or through rod.

- *High resistance thanks to crimping closure*
- *High and long-lasting performances thanks to PU seals*
- *Available according to several construction variants*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio anodizzato** *Anodized aluminum*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
RA	DE	0	M	N	040	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**040** **Ø40**	
					050 **Ø50**	
					063 **Ø63**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	X	P020		T
HR **Stelo Viton** *Viton rod seal*	**X** **AISI316** *AISI316*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*				

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*

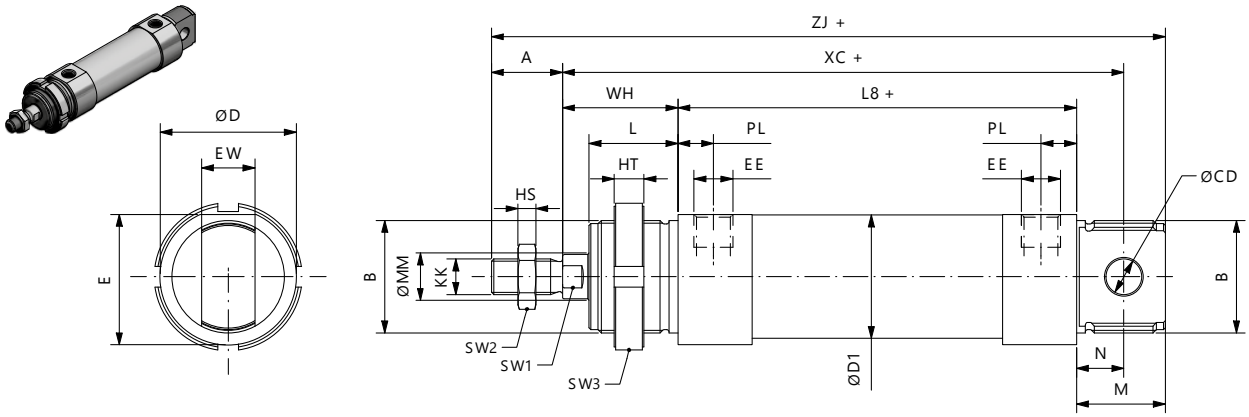
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

FORZE TEORICHE / *THEORETICAL FORCES*

F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681

DOPPIO EFFETTO
DOUBLE ACTING

RADE0NN - RADE0MN

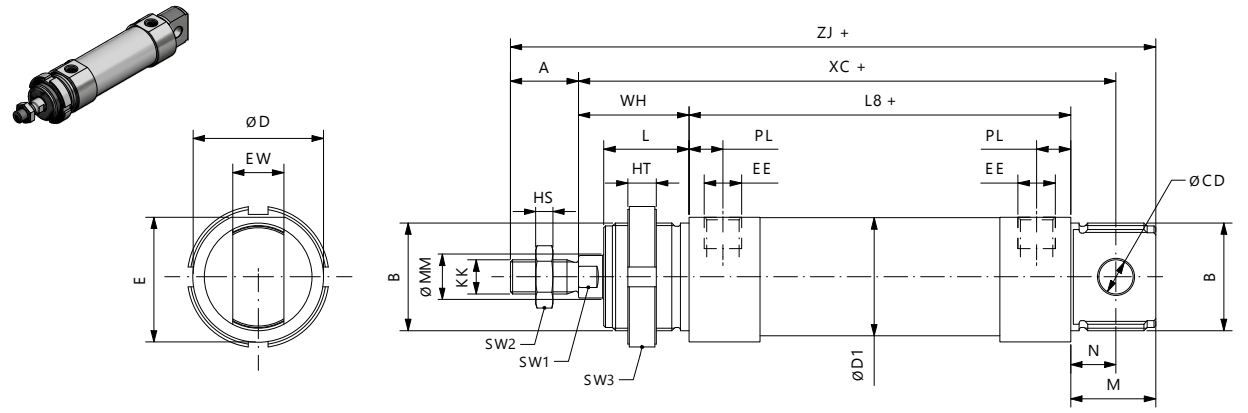


Ø	E	A	HS	B	L	ØCD	ØD1	ØD	EE	PL	EW	KK	HT	N	L8	ZJ	ØMM	SW1	SW2	SW3	WH	XC
32	36,5	22	6	M30X1,5	26	10	38	45	1/8G	9	16	M10X1,25	7	13	69,5	151,5	12	10	17	40	34	117,5
40	44	24	7	M38X1,5	30	12	46	50	1/4G	12	18	M12X1,25	8	15	84,6	177,6	16	13	19	46	39	139,6
50	55	32	8	M45X1,5	33	16	57	58	1/4G	12	21	M16X1,5	9	16	86,2	195,2	20	17	24	52	44	147,2
63	67,5	32	8	M45X1,5	33	16	70	58	3/8G	13	21	M16X1,5	9	16	94,2	204,2	20	17	24	52	45	156,2

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO AMMORTIZZATO
DOUBLE ACTING CUSHIONED

RADE0NA - RADE0MA



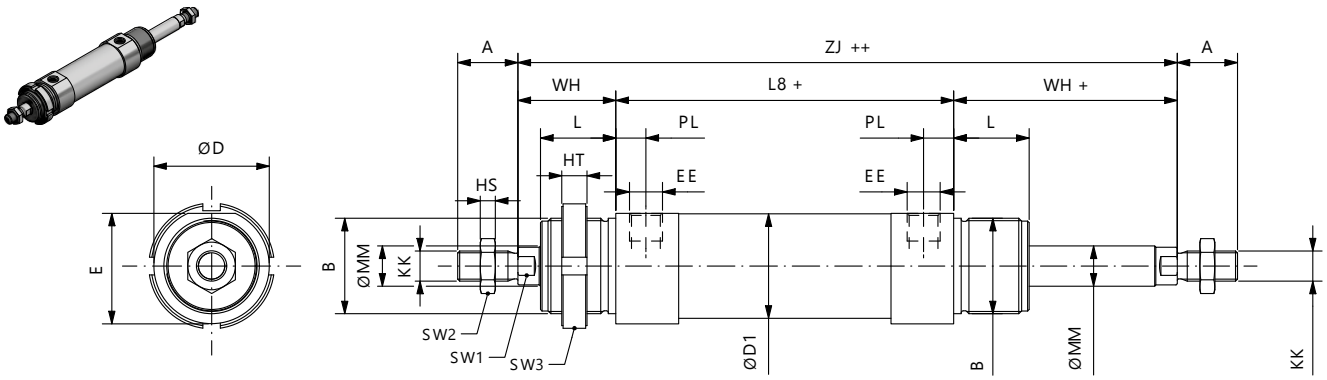
Ø	E	A	HS	B	L	ØCD	ØD1	ØD	EE	PL	EW	KK	HT	N	L8	ZJ	ØMM	SW1	SW2	SW3	WH
32	36,5	22	6	M30X1,5	26	10	38	45	1/8G	9	16	M10X1,25	7	13	69,5	151,5	12	10	17	40	34
40	44	24	7	M38X1,5	30	12	46	50	1/4G	12	18	M12X1,25	8	15	84,6	177,6	16	13	19	46	39
50	55	32	8	M45X1,5	33	16	57	58	1/4G	12	21	M16X1,5	9	16	86,2	195,2	20	17	24	52	44
63	67,5	32	8	M45X1,5	33	16	70	58	3/8G	13	21	M16X1,5	9	16	94,2	204,2	20	17	24	52	45

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

RADE1NN - RADE1MN

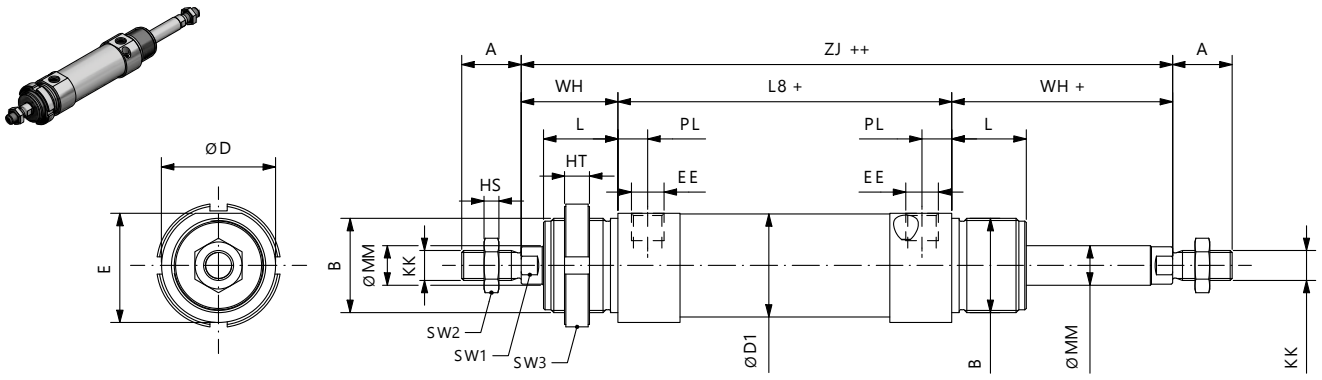


Ø	E	A	HS	B	L	ØD1	ØD	EE	PL	KK	HT	L8	ZJ	ØMM	SW1	SW2	SW3	WH
32	36,5	22	6	M30X1,5	26	38	45	1/8G	9	M10X1,25	7	69,5	137,5	12	10	17	40	34
40	44	24	7	M38X1,5	30	46	50	1/4G	12	M12X1,25	8	84,6	162,6	16	13	19	46	39
50	55	32	8	M45X1,5	33	57	58	1/4G	12	M16X1,5	9	86,2	174,2	20	17	24	52	44
63	67,5	32	8	M45X1,5	33	70	58	3/8G	13	M16X1,5	9	94,2	184,2	20	17	24	52	45

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO AMMORTIZZATO PASSANTE
DOUBLE ACTING CUSHIONED THROUGH ROD

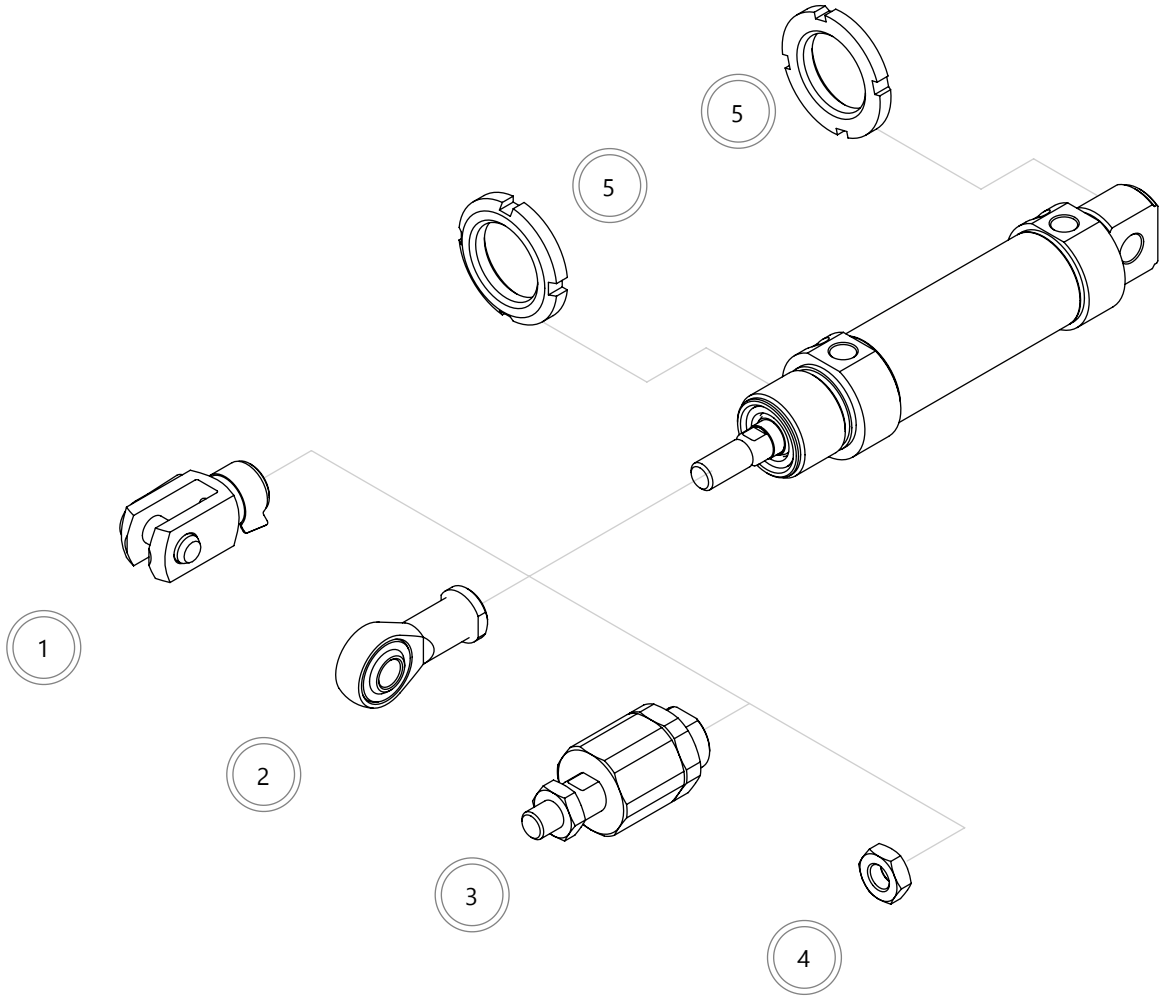
RADE1NA - RADE1MA



Ø	E	A	HS	B	L	ØD1	ØD	EE	PL	KK	HT	L8	ZJ	ØMM	SW1	SW2	SW3	WH
32	36,5	22	6	M30X1,5	26	38	45	1/8G	9	M10X1,25	7	69,5	137,5	12	10	17	40	34
40	44	24	7	M38X1,5	30	46	50	1/4G	12	M12X1,25	8	84,6	162,6	16	13	19	46	39
50	55	32	8	M45X1,5	33	57	58	1/4G	12	M16X1,5	9	86,2	174,2	20	17	24	52	44
63	67,5	32	8	M45X1,5	33	70	58	3/8G	13	M16X1,5	9	94,2	184,2	20	17	24	52	45

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*
Ghiera non compresa nella fornitura / *Cover nut not included*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Forcella** *Clevis*	**157**	**185**
2	**Testa a snodo** *Rod end*	**158**	**185**
3	**Giunto autoallineante** *Self-aligning joint*	**158**	**-**
4	**Dado stelo** *Piston rod nut*	**159**	**186**
5	**Ghiera** *Slotted nut*	**160**	**187**

CILINDRI TONDI Ø32-63
ROUND CYLINDERS Ø32-63

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI303** *AISI303 piston rod bar*	**Barra stelo in AISI316** *AISI316 piston rod bar*	**Ø**
32	V30BRT0312000	V30BRT0512000	12
40	V30BRT0316000	V30BRT0516000	16
50	V30BRT0320000	V30BRT0520000	20
63	V30BRT0320000	V30BRT0520000	20

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø cilindro *Ø cylinder*	**Barra tubo in AISI304** *AISI304 tube bar*	
32	V30TGT0432000	Ø32XØ33,6
40	V30TGT0440000	Ø40XØ41,6
50	V30TGT0450000	Ø50XØ52,4
63	V30TGT0463000	Ø63XØ65,4

Barre lunghezza 3 metri
3 meter long bars

CILINDRI ISO15552 Ø32-125
ISO15552 CYLINDERS Ø32-125

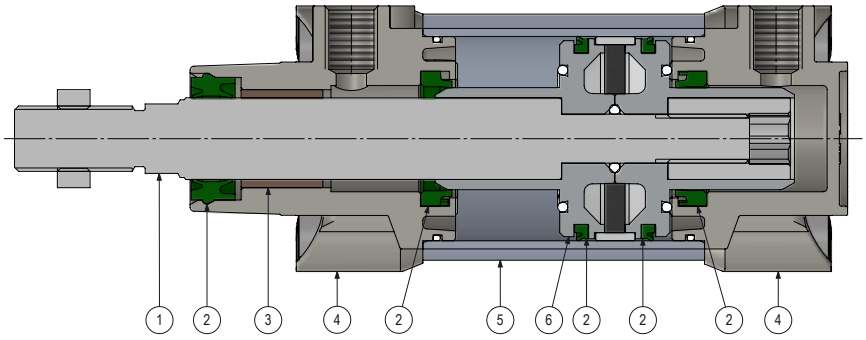
Cilindri realizzati secondo norma ISO15552 disponibili da Ø32 a Ø125 in versione doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Testate in alluminio pressofuso verniciato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

Cylinders produced according to ISO15552 norm from Ø32 up to Ø125 in double acting version, magnetic or not, in cushioned or not configuration and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
SA	**DE**	**0**	**M**	**A**	**080**	**0100**
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**...**	
					125 **Ø125**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Costruzione *Construction*	Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
G	**E8**	**Y**	**P020**		**T**
G **Tirantato** *Tie rods*	**HR** **Stelo Viton** *Viton rod seal*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
	HA **Tutto Viton** *All Viton*	**X** **AISI316** *AISI316*			
	E8 **Raschiastelo duro** *Hard plastic scraper*				
	P5 **Guarnizione P5600** *P5600 rod seal*				

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI ISO15552 Ø32-125
ISO15552 CYLINDERS Ø32-125

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*
125	*	*	*	*	*	*	*	*	*	*	*	*

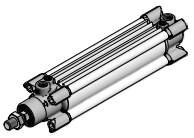
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

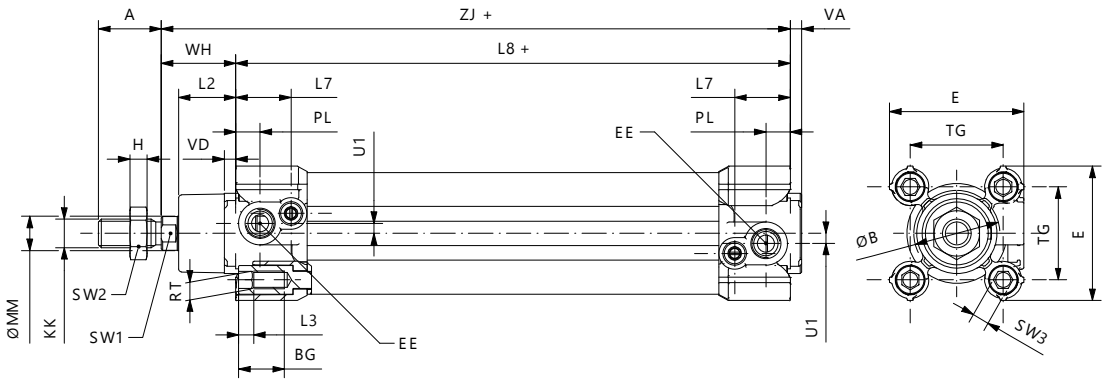
FORZE TEORICHE / *THEORETICAL FORCES*

	F teoriche a 6 bar *Thererical F at 6 bar*	
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416
125	7359	6877

DOPPIO EFFETTO
DOUBLE ACTING

SADE0MN - SADE0MA - SADE0NN - SADE0NA



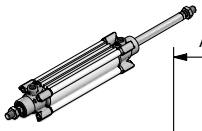


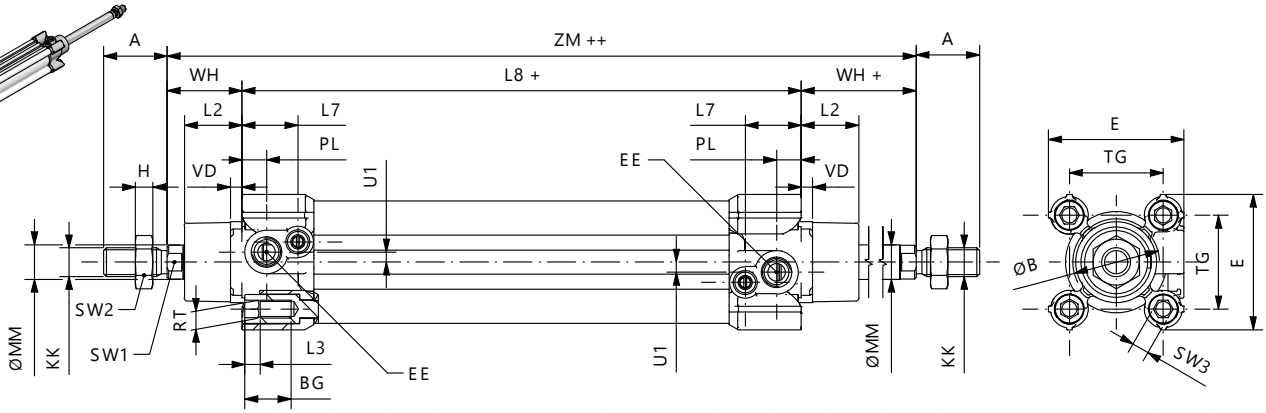
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	L3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	U1	L7	ZJ
32	12	M10x1,25	22	30	4	4	20	M6	15	5	6	17	32,5	1/8G	8,5	26	94	47	10	6	3,5	19,4	120
40	16	M12x1,25	24	35	4	4	22	M6	15	5	7	19	38	1/4G	10	30	105	52	13	6	4	23	135
50	20	M16x1,5	32	40	4	4	26	M8	16	5	8	24	46,5	1/4G	13,5	37	106	65	17	8	1,5	23	143
63	20	M16x1,5	32	45	4	4	25	M8	16	5	8	24	56,5	3/8G	15	37	121	75	17	8	1	23	158
80	25	M20x1,5	40	45	4	4	32	M10	17	6	9	30	72	3/8G	21	46	128	95	22	10	1	30	174
100	25	M20x1,5	40	55	4	4	38	M10	17	6	9	30	89	1/2G	24	51	138	115	22	10	6	30,5	189
125	32	M27x2	54	60	5	5	40	M12	21	5,5	12	41	110	1/2G	23	65	160	140	27	12	8	27,5	225

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

SADE1MN - SADE1MA - SADE1NN - SADE1NA



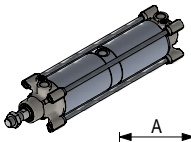


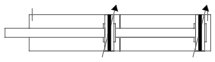
Ø	ØMM	KK	A	ØB	VD	L2	RT	BG	L3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	U1	L7	ZM
32	12	M10x1,25	22	30	4	20	M6	15	5	6	17	32,5	1/8G	8,5	26	94	47	10	6	3,5	19,4	146
40	16	M12x1,25	24	35	4	22	M6	15	5	7	19	38	1/4G	10	30	105	52	13	6	4	23	165
50	20	M16x1,5	32	40	4	26	M8	16	5	8	24	46,5	1/4G	13,5	37	106	65	17	8	1,5	23	180
63	20	M16x1,5	32	45	4	25	M8	16	5	8	24	56,5	3/8G	15	37	121	75	17	8	1	23	195
80	25	M20x1,5	40	45	4	32	M10	17	6	9	30	72	3/8G	21	46	128	95	22	10	1	30	220
100	25	M20x1,5	40	55	4	38	M10	17	6	9	30	89	1/2G	24	51	138	115	22	10	6	30,5	240
125	32	M27x2	54	60	5	40	M12	21	5,5	12	41	110	1/2G	23	65	160	140	27	12	8	27,5	290

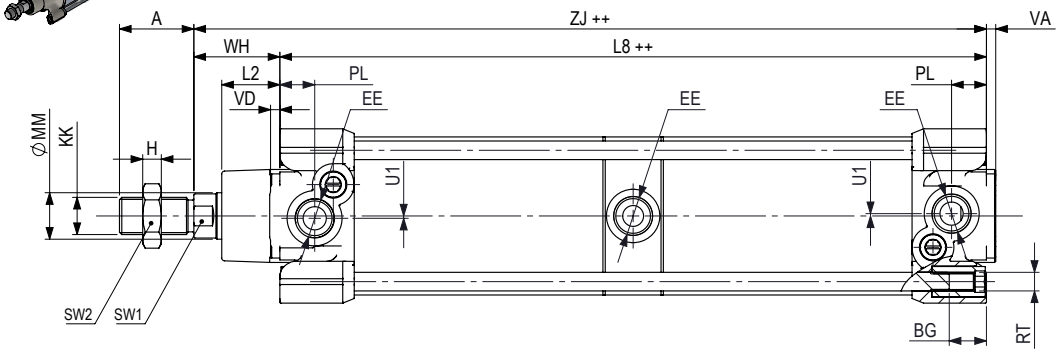
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

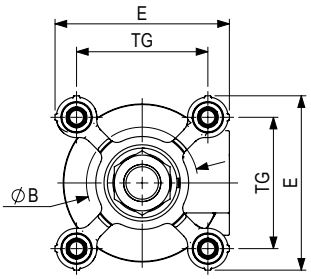
CILINDRI ISO15552 Ø32-125
ISO15552 CYLINDERS Ø32-125

TANDEM DOPPIA SPINTA
DOUBLE THRUST TANDEM





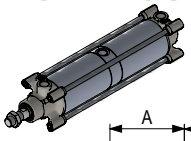


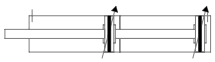


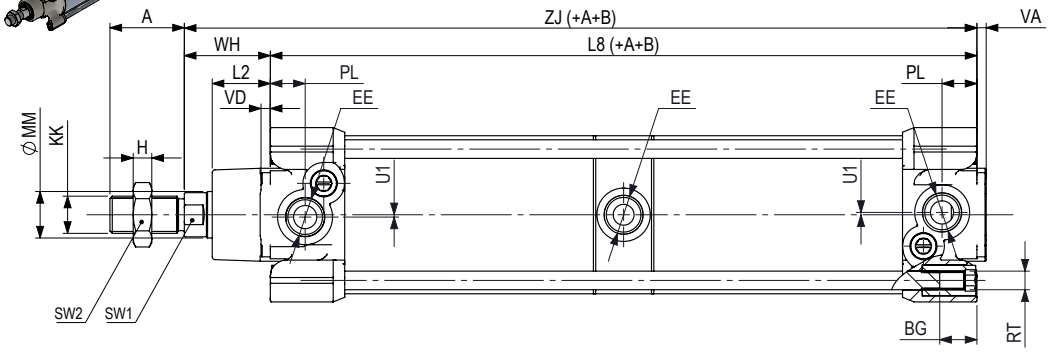
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	L3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	U1	L7	ZJ
32	12	M10x1,25	22	30	4	4	20	M6	15	5	6	17	32,5	1/8G	8,5	26	156	47	10	6	3,5	19,4	186
40	16	M12x1,25	24	35	4	4	22	M6	15	5	7	19	38	1/4G	10	30	174	52	13	6	4	23	208
50	20	M16x1,5	32	40	4	4	26	M8	16	5	8	24	46,5	1/4G	13,5	37	175	65	17	8	1,5	23	216
63	20	M16x1,5	32	45	4	4	25	M8	16	5	8	24	56,5	3/8G	15	37	204	75	17	8	1	23	245
80	25	M20x1,5	40	45	4	4	32	M10	17	6	9	30	72	3/8G	21	46	206	95	22	10	1	30	256
100	25	M20x1,5	40	55	4	4	38	M10	17	6	9	30	89	1/2G	24	51	226	115	22	10	6	30,5	281
125	32	M27x2	54	60	5	5	40	M12	21	5,5	12	41	110	1/2G	23	65	260	140	27	12	8	27,5	330

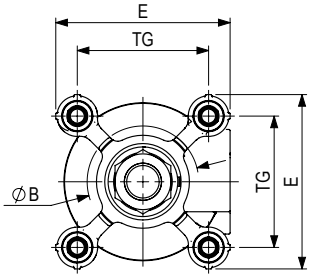
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

TANDEM MULTI POSIZIONI
MULTI POSITION TANDEM





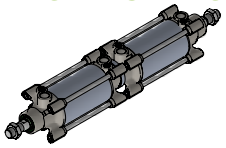


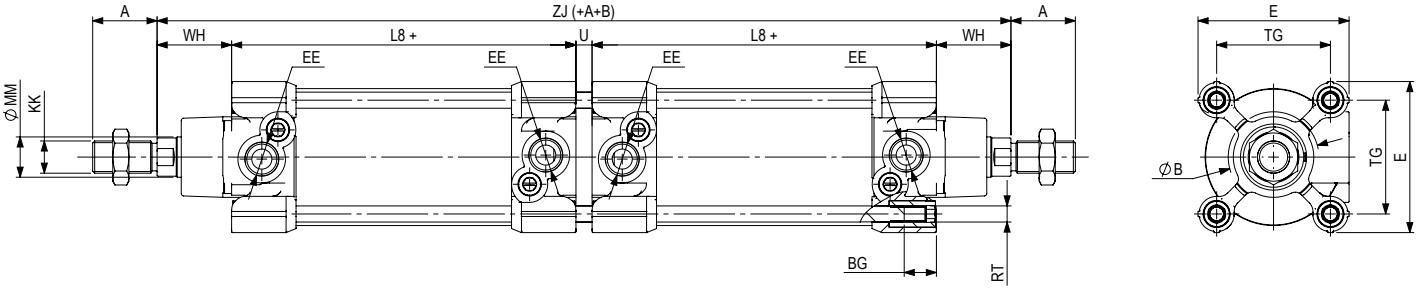


Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	L3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	U1	L7	ZJ
32	12	M10x1,25	22	30	4	4	20	M6	15	5	6	17	32,5	1/8G	8,5	26	156	47	10	6	3,5	19,4	186
40	16	M12x1,25	24	35	4	4	22	M6	15	5	7	19	38	1/4G	10	30	174	52	13	6	4	23	208
50	20	M16x1,5	32	40	4	4	26	M8	16	5	8	24	46,5	1/4G	13,5	37	175	65	17	8	1,5	23	216
63	20	M16x1,5	32	45	4	4	25	M8	16	5	8	24	56,5	3/8G	15	37	204	75	17	8	1	23	245
80	25	M20x1,5	40	45	4	4	32	M10	17	6	9	30	72	3/8G	21	46	206	95	22	10	1	30	256
100	25	M20x1,5	40	55	4	4	38	M10	17	6	9	30	89	1/2G	24	51	226	115	22	10	6	30,5	281
125	32	M27x2	54	60	5	5	40	M12	21	5,5	12	41	110	1/2G	23	65	260	140	27	12	8	27,5	330

+ = sommare corsa / *plus stroke length*
(+A) = corsa 1 / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

TANDEM BACK TO BACK
BACK TO BACK TANDEM



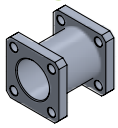


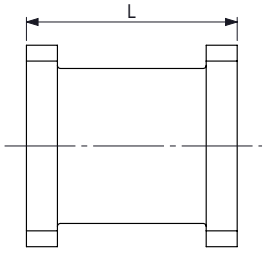
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	L3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	U	ZJ
32	12	M10x1,25	22	30	4	4	20	M6	15	5	6	17	32,5	1/8G	8,5	26	94	47	10	6	8	248
40	16	M12x1,25	24	35	4	4	22	M6	15	5	7	19	38	1/4G	10	30	105	52	13	6	8	278
50	20	M16x1,5	32	40	4	4	26	M8	16	5	8	24	46,5	1/4G	13,5	37	106	65	17	8	8	294
63	20	M16x1,5	32	45	4	4	25	M8	16	5	8	24	56,5	3/8G	15	37	121	75	17	8	8	324
80	25	M20x1,5	40	45	4	4	32	M10	17	6	9	30	72	3/8G	21	46	128	95	22	10	8	356
100	25	M20x1,5	40	55	4	4	38	M10	17	6	9	30	89	1/2G	24	51	138	115	22	10	8	386
125	32	M27x2	54	60	5	5	40	M12	21	5,5	12	41	110	1/2G	23	65	160	140	27	12	10	460

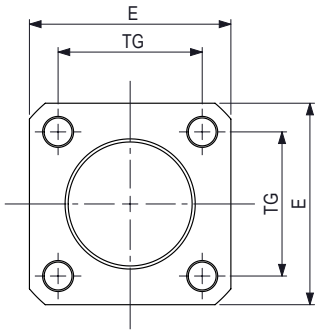
+ = sommare corsa / *plus stroke length*
(+A) = corsa 1 / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

FLANGIA PER COLLEGAMENTO TANDEM
FLANGE FOR TANDEM ASSEMBLING

FL8 A





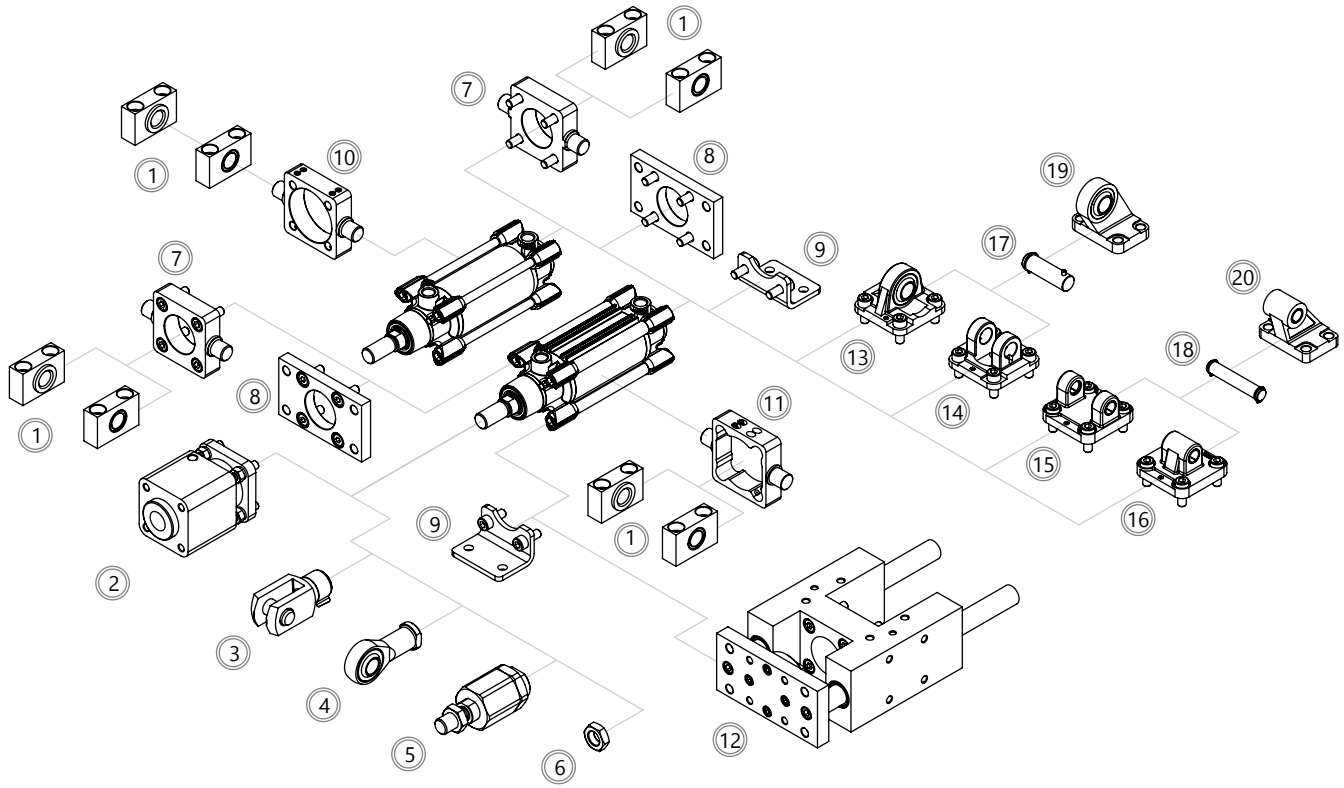


Ø	COD	EE	TG	L
32	FL8032A0S	45	32,5	55
40	FL8040A0S	52	38	55
50	FL8050A0S	65	46,5	68
63	FL8063A0S	75	56,5	68
80	FL8080A0S	95	72	92
100	FL8100A0S	115	89	92
125	FL8125A0S	140	110	120

Per la costruzione di cilindri tandem back-to-back partendo da cilindri standard può essere usata la flangia di collegamento FL8. ATTENZIONE: la lunghezza del cilindro tandem in questo caso sarà maggiore rispetto alla soluzione standard 3A.

In order to produce tandem back-to-back cylinders starting from standard cylinders it's possible to use the FL8 flange. ATTENTION: the overall length for this tandem version will be longer than the standard tandem version proposed by 3A.

ACCESSORI DI FISSAGGIO
FIXING ACCESSORIES



	Descrizione *Description*	Alluminio *Aluminum*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Supporto per cerniera intermedia AT4** *Support for intermediate hinge AT4*	-	177	-
2	**Bloccastelo** *Rod lock*	206 - 208	-	-
3	**Forcella** *Clevis*	-	157	185
4	**Testa a snodo** *Rod end*	-	158	185
5	**Giunto autoallineante** *Self-aligning joint*	-	158	-
6	**Dado stelo** *Piston rod nut*	-	159	186
7	**Cerniera anteriore-posteriore MT5/MT6** *Front-rear trunnion MT5/MT6*	-	175	-
8	**Flangia MF1-MF2** *Flange MF1-MF2*	-	173	195
9	**Piedino basso MS1** *Low rise pedestral MS1*	-	173	195
10	**Cerniera intermedia per cilindri tirantati MT4** *Intermediate hinge for tie rods cylinders MT4*	-	175	196
11	**Cerniera intermedia per cilindri profilati MT4** *Intermediate hinge for profiled cylinders MT4*	-	176	-
12	**Unità di guida** *Guide unit*	198	-	-
13	**Cerniera maschio snodata MP6** *Male hinge with spherical head MP6*	167	172	194
14	**Cerniera femmina stretta AB6** *Narrow female hinge AB6*	167	171	193
15	**Cerniera femmina MP2** *Female hinge MP2*	165	170	191
16	**Cerniera maschio MP4** *Male hinge MP4*	165	170	191
17	**Perno antirotazione AA6** *Not rotating pin AA6*	-	168	193
18	**Perno ISO AA4** *ISO Pin AA4*	-	166	192
19	**Articolazione a squadra con testina snodata DIN 648K** *Square joint w spherical head DIN 648K*	-	172	194
20	**Articolazione a squadra AB7** *Square join AB7*	166	171	192

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in C45** *Piston rod bar in C45*	**Barra stelo in AISI304** *Piston rod bar in AISI304*	**Barra stelo in AISI316** *Piston rod bar in AISI316*	**Ø**
32	V30BRT0612000	V30BRT0412000	V30BRT0512000	12
40	V30BRT0616000	V30BRT0416000	V30BRT0516000	16
50	V30BRT0620000	V30BRT0420000	V30BRT0520000	20
63	V30BRT0620000	V30BRT0420000	V30BRT0520000	20
80	V30BRT0625000	V30BRT0425000	V30BRT0525000	25
100	V30BRT0625000	V30BRT0425000	V30BRT0525000	25
125	V30BRT0632000	V30BRT0432000	V30BRT0532000	32

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	**Barra tubo in alluminio anodizzato** *Anodized aluminum tube bar*	**Barra tubo tondo per versione tirantata** *Round tube bar for tie rods version*
32	V30TG00032000	V30TGT0032000
40	V30TG00040000	V30TGT0040000
50	V30TG00050000	V30TGT0050000
63	V30TG00063000	V30TGT0063000
80	V30TG00080000	V30TGT0080000
100	V30TG000A0000	V30TGT00A0000
125	V30TG000C5000	V30TGT00C5000

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura / corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

CILINDRI ISO15552 Ø160-320
ISO15552 CYLINDERS Ø160-320

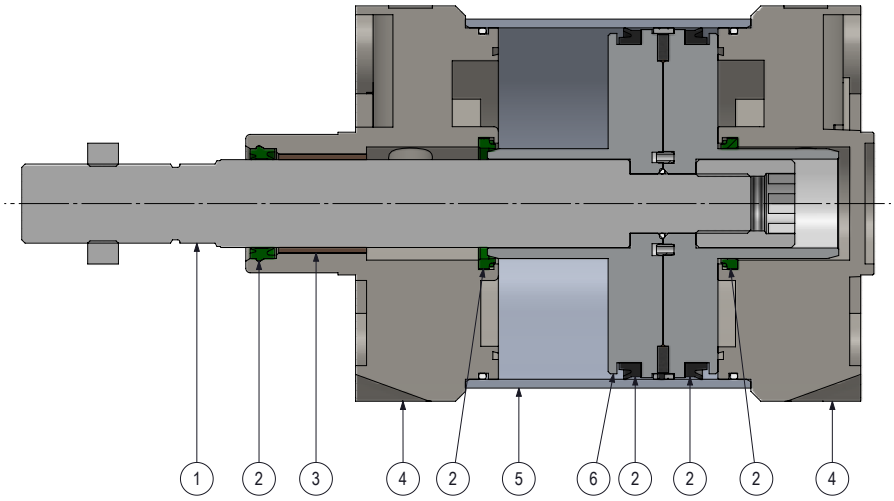
Cilindri realizzati secondo norma ISO15552 disponibili da Ø160 a Ø320 in versione doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Testate in alluminio pressofuso verniciato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

Cylinders produced according to ISO15552 norm from Ø160 up to Ø320 in double acting version, magnetic or not, in cushioned or not configuration and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
SA	DE	0	M	A	250	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**160** **Ø160**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**...**	
					320 **Ø320**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
E8	Y	P020		T
HR **Stelo Viton** *Viton rod seal*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*	**X** **AISI316** *AISI316*			
E8 **Raschiastelo duro** *Hard plastic scraper*				
P5 **Guarnizione P5600** *P5600 rod seal*				

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CILINDRI ISO15552 Ø160-320
ISO15552 CYLINDERS Ø160-320

CORSE STANDARD / *STANDARD STROKES*

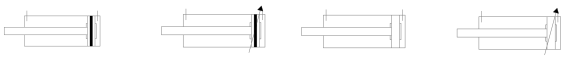
Ø	10	25	50	80	100	125	160	200	250	320	400	500
160	*	*	*	*	*	*	*	*	*	*	*	*
200	*	*	*	*	*	*	*	*	*	*	*	*
250	*	*	*	*	*	*	*	*	*	*	*	*
320	*	*	*	*	*	*	*	*	*	*	*	*

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

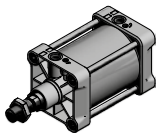
FORZE TEORICHE / *THEORETICAL FORCES*

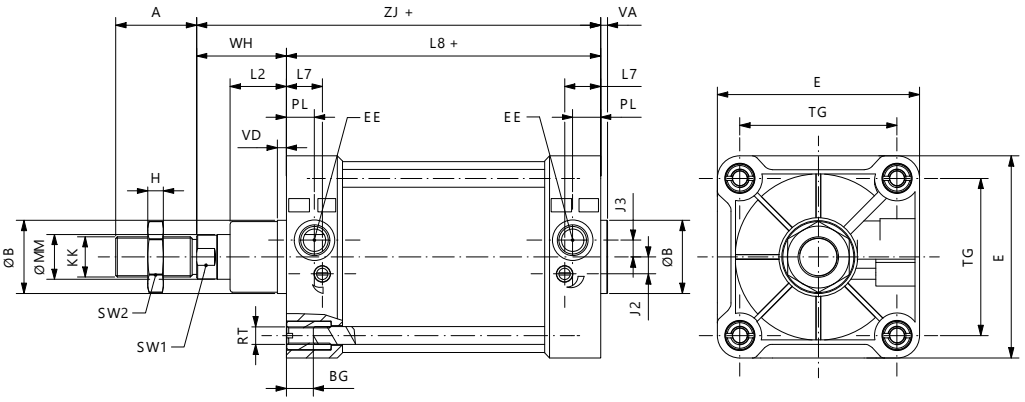
	F teoriche a 6 bar *Thererical F at 6 bar*	
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
160	12058	11304
200	18840	18086
250	29438	28260
320	48230	46361

DOPPIO EFFETTO
DOUBLE ACTING



SADE0MN - SADE0MA - SADE0NN - SADE0NA



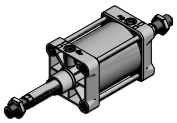


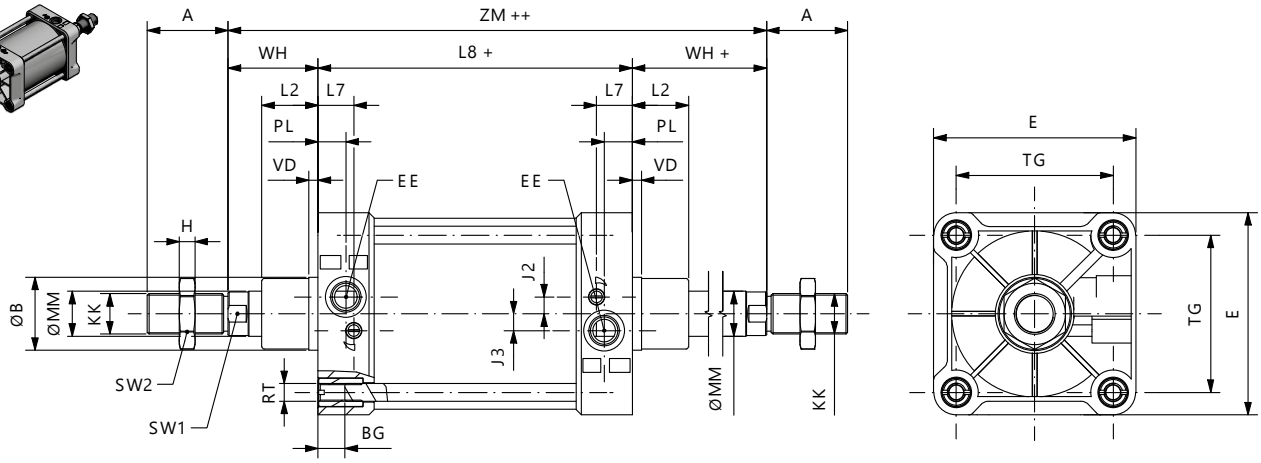
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	H	SW2	TG	EE	PL	WH	L8	E	SW1	L7	ZJ	J2	J3
160	40	M36x2	72	65	8	6	50	M16	24	14	55	140	3/4 G	25	80	180	180	36	32	260	15	15
200	40	M36x2	72	75	25	6	65	M16	24	14	55	175	3/4 G	25	95	180	220	36	34	275	15	15
250	50	M42x2	84	90	25	8	75	M20	25	20	65	220	1 G	30	105	200	270	46	40	305	25	25
320	63	M48x2	96	110	25	10	90	M24	28	17	75	270	1 G	30	120	220	350	55	45	340	35	35

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

SADE1MN - SADE1MA - SADE1NN - SADE1NA



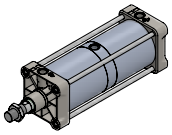


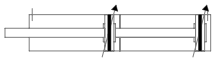
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	H	SW2	TG	EE	PL	WH	L8	E	SW1	L7	ZM	J2	J3
160	40	M36x2	72	65	8	6	50	M16	24	14	55	140	3/4 G	25	80	180	180	36	32	340	15	15
200	40	M36x2	72	75	25	6	65	M16	24	14	55	175	3/4 G	25	95	180	220	36	34	370	15	15
250	50	M42x2	84	90	25	8	75	M20	25	20	65	220	1 G	30	105	200	270	46	40	410	25	25
320	63	M48x2	96	110	25	10	90	M24	28	17	75	270	1 G	30	120	220	350	55	45	460	35	35

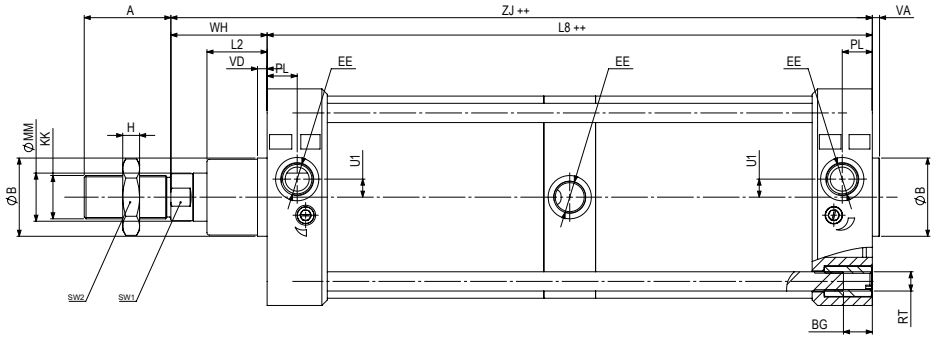
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

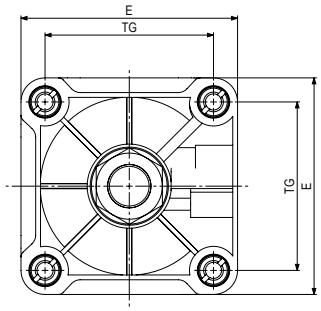
CILINDRI ISO15552 Ø160-320
ISO15552 CYLINDERS Ø160-320

TANDEM DOPPIA SPINTA
DOUBLE THRUST TANDEM





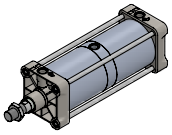


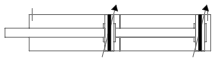


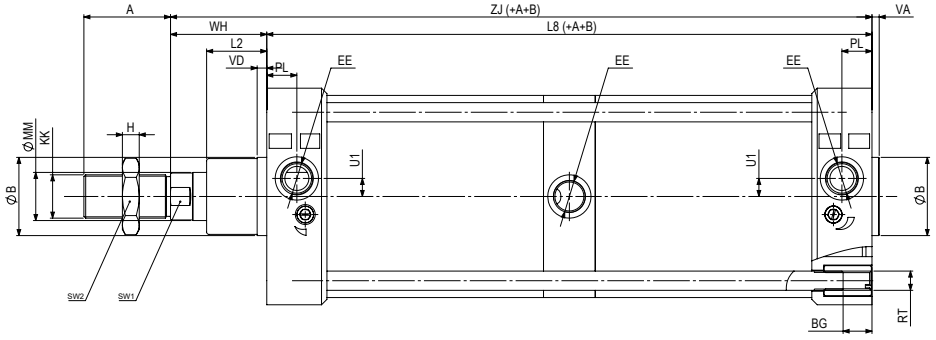
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	H	SW2	TG	EE	PL	WH	L8	E	SW1	L7	ZJ	J2	J3
160	40	M36x2	72	65	8	6	50	M16	24	14	55	140	3/4 G	25	80	303	180	36	32	389	15	15
200	40	M36x2	72	75	25	6	65	M16	24	14	55	175	3/4 G	25	95	303	220	36	34	404	15	15
250	50	M42x2	84	90	25	8	75	M20	25	20	65	220	1 G	30	105	325	270	46	40	438	25	25
320	63	M48x2	96	110	25	10	90	M24	28	17	75	270	1 G	30	120	355	350	55	45	485	35	35

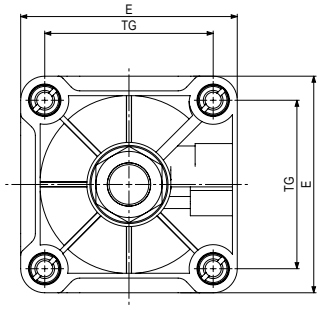
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

TANDEM MULTI POSIZIONI
MULTI POSITION TANDEM





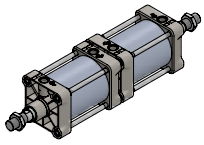


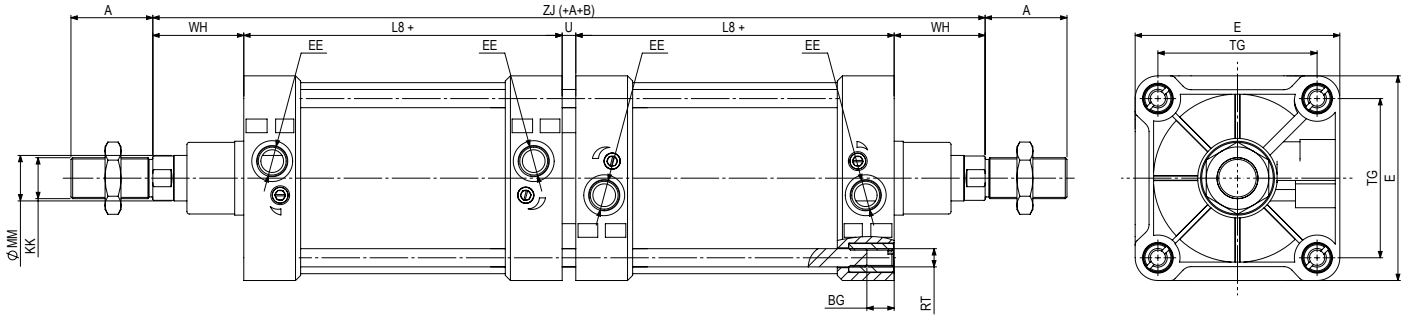


Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	H	SW2	TG	EE	PL	WH	L8	E	SW1	L7	ZJ	J2	J3
160	40	M36x2	72	65	8	6	50	M16	24	14	55	140	3/4 G	25	80	303	180	36	32	389	15	15
200	40	M36x2	72	75	25	6	65	M16	24	14	55	175	3/4 G	25	95	303	220	36	34	404	15	15
250	50	M42x2	84	90	25	8	75	M20	25	20	65	220	1 G	30	105	325	270	46	40	438	25	25
320	63	M48x2	96	110	25	10	90	M24	28	17	75	270	1 G	30	120	355	350	55	45	485	35	35

+ = sommare corsa / *plus stroke length*
(+A) = corsa 1 / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

TANDEM BACK TO BACK
BACK TO BACK TANDEM

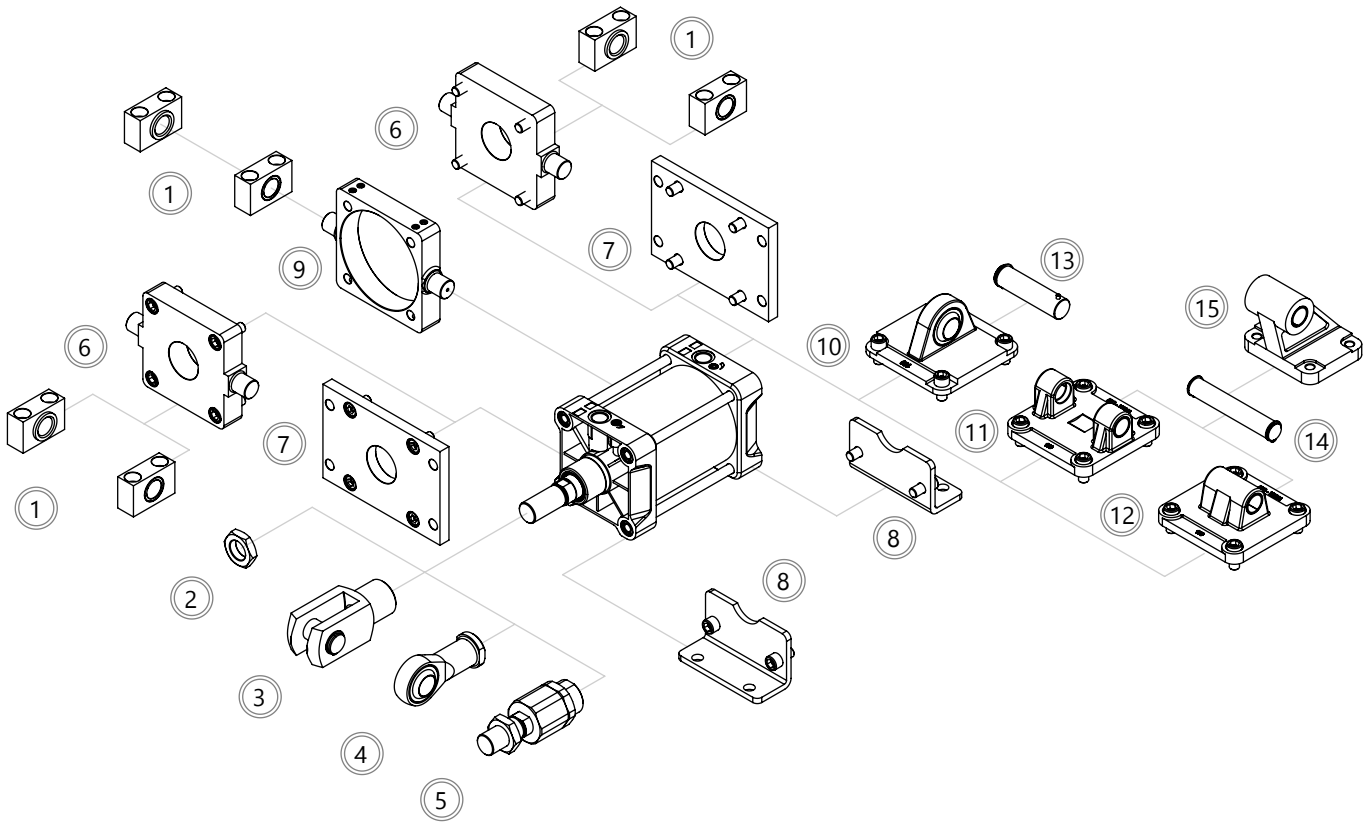




Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	H	SW2	TG	EE	PL	WH	L8	E	SW1	L7	ZJ	U
160	40	M36x2	72	65	8	6	50	M16	24	14	55	140	3/4 G	25	80	180	180	36	32	532	12
200	40	M36x2	72	75	25	6	65	M16	24	14	55	175	3/4 G	25	95	180	220	36	34	562	12
250	50	M42x2	84	90	25	8	75	M20	25	20	65	220	1 G	30	105	200	270	46	40	626	16
320	63	M48x2	96	110	25	10	90	M24	28	17	75	270	1 G	30	120	220	350	55	45	700	20

+ = sommare corsa / *plus stroke length*
(+A) = corsa 1 / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

ACCESSORI DI FISSAGGIO
FIXING ACCESSORIES



	Descrizione *Description*	Alluminio *Aluminum*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Supporto per cerniera intermedia AT4** *Support for intermediate hinge AT4*	-	177	-
2	**Dado stelo** *Piston rod nut*	-	159	186
3	**Forcella** *Clevis*	-	157	185
4	**Testa a snodo** *Rod end*	-	158	185
5	**Giunto autoallineante** *Self-aligning joint*	-	158	-
6	**Cerniera anteriore-posteriore MT5/MT6** *Front-rear trunnion MT5/MT6*	-	175	-
7	**Flangia MF1-MF2** *Flange MF1-MF2*	-	173	195
8	**Piedino basso MS1** *Low rise pedestral MS1*	-	173	195
9	**Cerniera intermedia per cilindri tirantati MT4** *Intermediate hinge for tie rods cylinders MT4*	-	175	196
10	**Cerniera maschio snodata MP6** *Male hinge with spherical head MP6*	167	172	194
11	**Cerniera femmina MP2** *Female hinge MP2*	165	170	191
12	**Cerniera maschio MP4** *Male hinge MP4*	165	170	191
13	**Perno antirotazione AA6** *Not rotating pin AA6*	-	168	193
14	**Perno ISO AA4** *ISO Pin AA4*	-	166	192
15	**Articolazione a squadra AB7** *Square join AB7*	166	171	192

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in C45** *Piston rod bar in C45*	**Barra stelo in AISI304** *Piston rod bar in AISI304*	**Barra stelo in AISI316** *Piston rod bar in AISI316*	**Ø**
160	V30BRT0640000	V30BRT0440000	V30BRT0540000	40
200	V30BRT0640000	V30BRT0440000	V30BRT0540000	40
250	V30BRT0650000	V30BRT0450000	V30BRT0550000	50
320	V30BRT0663000	V30BRT0463000	V30BRT0563000	63

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	**Barra tubo tondo per versione tirantata** *Round tube bar for tie rods version*
160	V30TGT00G0000
200	V30TGT00L0000
250	V30TGT0R00000
320	V30TGT00Y0000

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura / corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

CILINDRI A STELO CAVO Ø25
HOLLOW ROD CYLINDERS Ø25

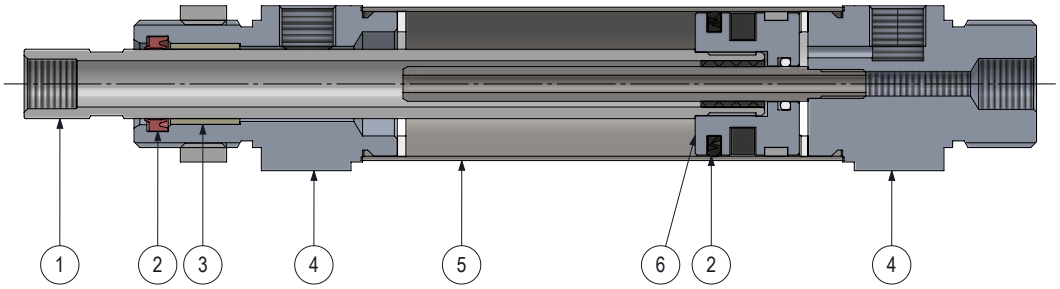
Cilindri a stelo cavo realizzati secondo norma ISO6432 nel Ø25 in versione doppio effetto, magnetico e non.

- **Stelo forato con filettatura femmina**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Interamente realizzabili in versione speciale a disegno**

Cylinders produced according to ISO6432 norm for Ø25 in double acting version, magnetic or not.

- *Hollow-rod piston rod with female thread*
- *High and long-lasting performances thanks to PU seals*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Acciaio + PTFE** *Steel + PTFE*
Testate *Covers*	**Alluminio anodizzato** *Anodized aluminum*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
MA	DH	0	M	N	025	0100
	DH **Doppio effetto stelo cavo** *Double acting Hollow rod*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**N** **Non ammortizz.** *Not cushioned*	**025** **Ø25**	**XXXX** **corsa** *stroke*
			N **Non magnetico** *Not magnetic*			

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*
HR

HR
Stelo Viton
Viton rod seal

HA
Tutto Viton
All Viton

FORZE TEORICHE / *THEORETICAL FORCES*

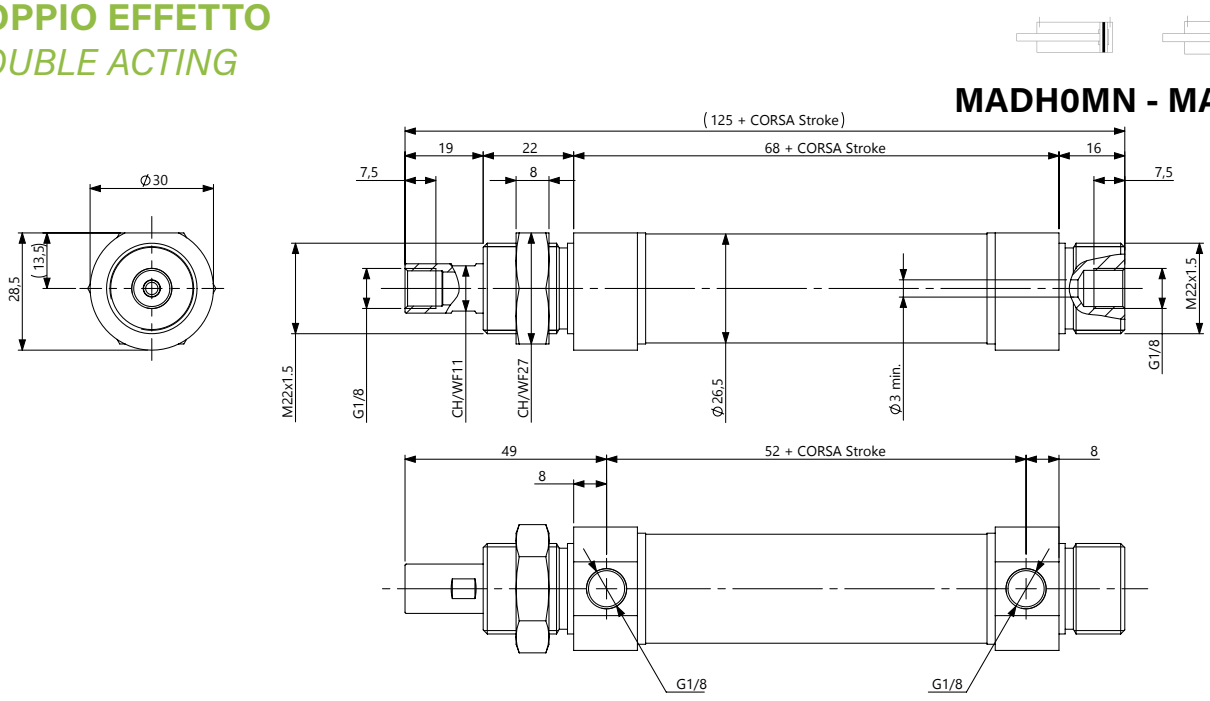
F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	Forza di spinta (N) *Thrust force (N)*	Forza di trazione (N) *Traction force (N)*
25	295	227

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320
25	*	*	*	*	*	*	*	*	*	*

DOPPIO EFFETTO
DOUBLE ACTING

MADH0MN - MADH0NN



CILINDRI A STELO CAVO Ø32-63
HOLLOW ROD CYLINDERS Ø32-63

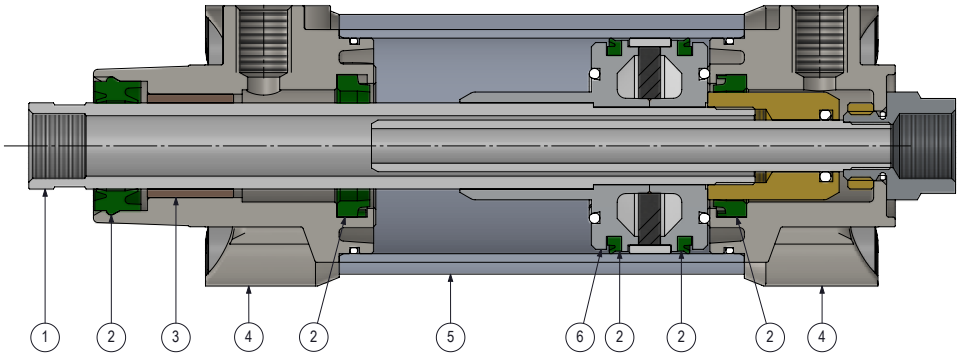
Cilindri a stelo cavo realizzati secondo norma ISO15552 da Ø32 a Ø63 in versione doppio effetto, magnetico e non, ammortizzata e non.

- **Stelo forato con filettatura femmina**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Interamente realizzabili in versione speciale a disegno**

Cylinders produced according to ISO15552 norm from Ø32 up to Ø63 in double acting version, magnetic or not and cushioned or not.

- *Hollow-rod piston rod with female thread*
- *High and long-lasting performances thanks to PU seals*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
SA	DH	0	M	N	032	0100
	DH **Doppio effetto stelo cavo** *Double acting Hollow rod*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
			N **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**040** **Ø40**	
					050 **Ø50**	
					063 **Ø63**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*
HR
HR **Stelo Viton** *Viton rod seal*
HA **Tutto Viton** *All Viton*

FORZE TEORICHE / *THEORETICAL FORCES*

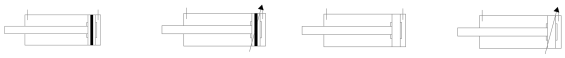
F teoriche a 6 bar *Therecical F at 6 bar*		
Ø	Forza di spinta (N) *Thrust force (N)*	Forza di trazione (N) *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681

CORSE STANDARD / *STANDARD STROKES*

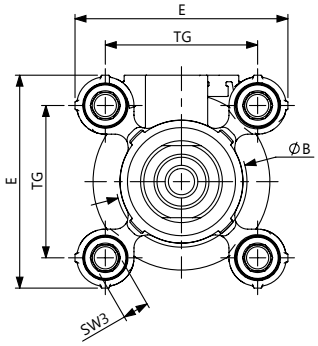
Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*

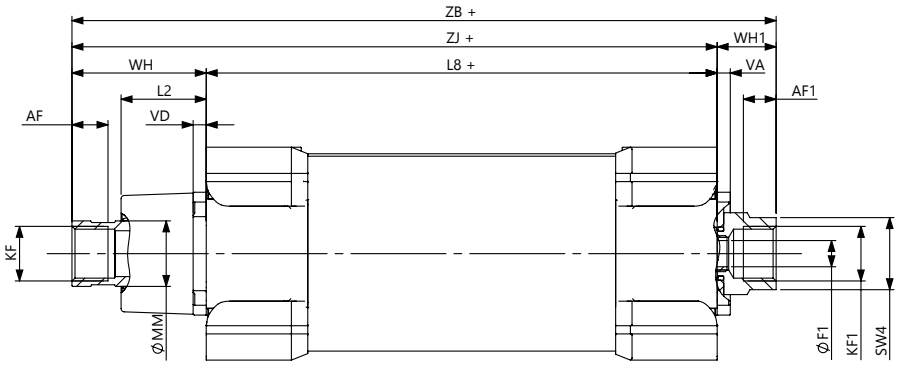
CILINDRI A STELO CAVO
HOLLOW ROD CYLINDERS

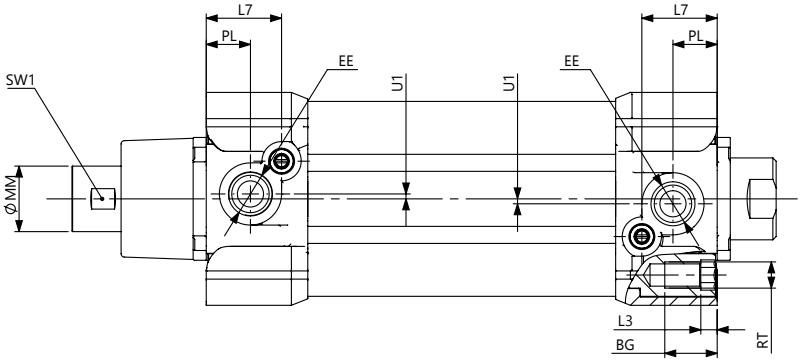
DOPPIO EFFETTO
DOUBLE ACTING



SADH0MN - SADH0MA - SADH0NN - SADH0NA







Ø	ØMM	KF	AF	ØB	VD	VA	L2	RT	BG	L3	ZB	TG	EE	PL	WH	L8	E	SW1	SW3	U1	L7	ZJ	ØF1	KF1	SW4	WH1	AF1
32	12	1/8G	10	30	4	4	20	M6	15	5	149	32,5	1/8G	8,5	37	94	47	11	6	3,5	19,4	131	3	1/8G	14	18	10
40	16	1/4G	10	35	4	4	22	M6	15	5	163	38	1/4G	10	40	105	52	15	6	4	23	145	6	1/4G	18	18	10
50	20	3/8G	11	40	4	4	26	M8	16	5	165	46,5	1/4G	13,5	41	106	65	19	8	1,5	23	147	8	3/8G	22	18	10
63	20	3/8G	11	45	4	4	25	M8	16	5	179	56,5	3/8G	15	41	121	75	19	8	1	23	161	8	3/8G	22	18	10

+ = sommare corsa / *plus stroke length*

CILINDRI CNOMO Ø25-200
CNOMO CYLINDERS Ø25-200

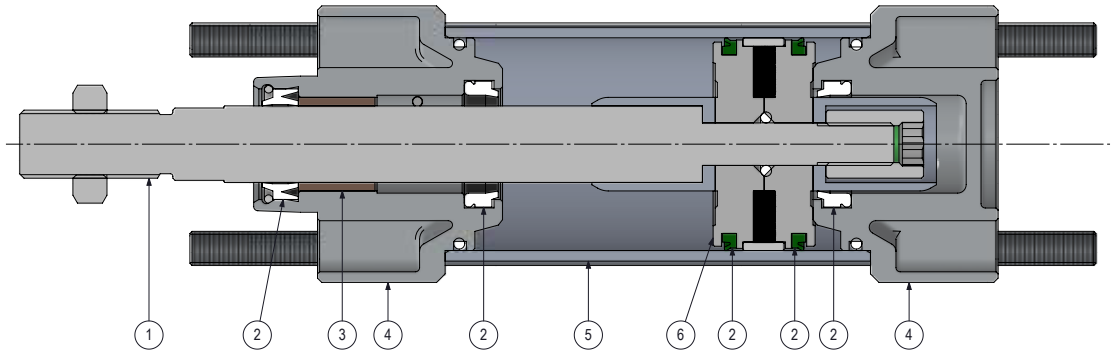
Cilindri CNOMO disponibili da Ø25 a Ø200 in versione doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Testate in alluminio pressofuso verniciato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

CNOMO cylinders produced from Ø25 up to Ø200 in double acting version, magnetic or not, in cushioned or not configuration and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
OA	**DE**	**0**	**M**	**A**	**080**	**0100**
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**025** **Ø25**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**...**	
					200 **Ø200**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	**X**	**P020**		**T**
HR **Stelo Viton** *Viton rod seal*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*	**X** **AISI316** *AISI316*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI CNOMO Ø25-200
CNOMO CYLINDERS Ø25-200

CORSE STANDARD / *STANDARD STROKES*

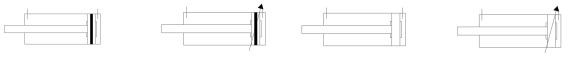
Ø	25	50	80	100	125	160	200	250	300	320	400	450	500
25	*	*	*	*	*	*	*	*	*	*	*	*	*
32	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*	*
125	*	*	*	*	*	*	*	*	*	*	*	*	*
160	*	*	*	*	*	*	*	*	*	*	*	*	*
200	*	*	*	*	*	*	*	*	*	*	*	*	*

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

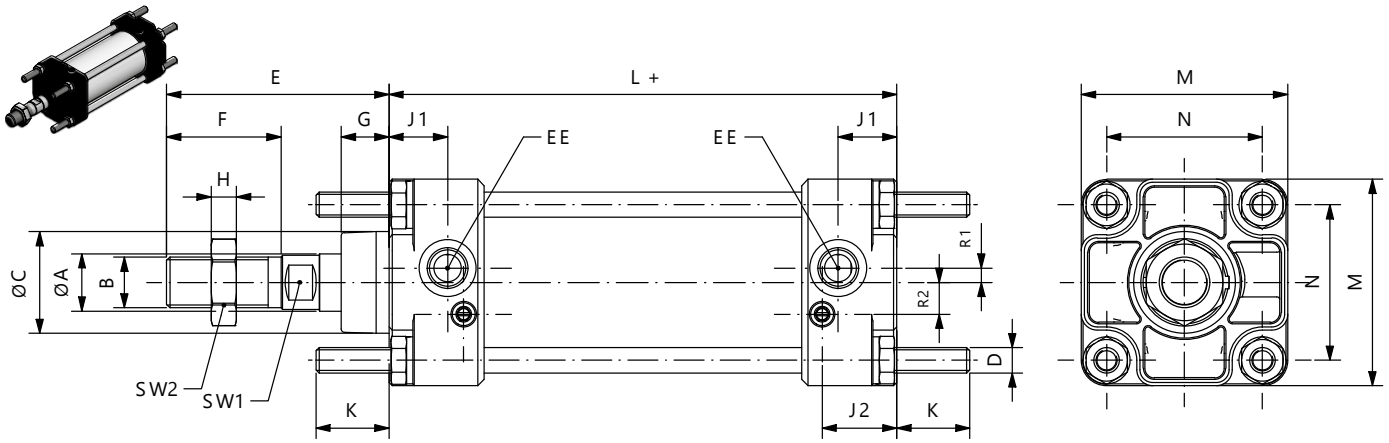
FORZE TEORICHE / *THEORETICAL FORCES*

F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
25	295	247
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416
125	7359	6877
160	12058	11304
200	18840	18086

DOPPIO EFFETTO
DOUBLE ACTING



OADE0MN - OADE0MA - OADE0NN - OADE0NA



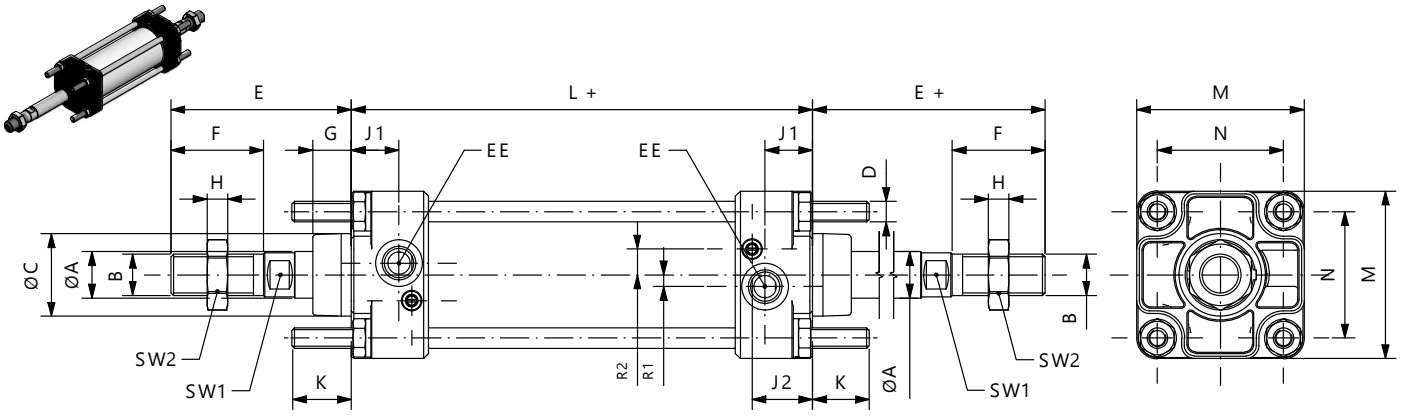
Ø	ØA	B	ØC	E	F	G	L	SW1	SW2	H	D	K	EE	M	N	J1	J2	R1	R2
25	12	M10x1,5	25	45	20	15	80	8	17	6	M6	17	1/8 G	40	28	7	11	0,75	7,5
32	12	M10x1,5	25	45	20	15	80	8	17	6	M6	17	1/8 G	45	33	15	16,5	6	8
40	18	M16x1,5	32	70	36	15	110	13	24	8	M6	17	1/4 G	52	40	17,5	23	3	11
50	18	M16x1,5	32	70	36	15	110	13	24	8	M8	23	1/4 G	65	49	18,5	23,5	4,5	10
63	22	M20x1,5	45	85	46	20	125	17	30	9	M8	23	3/8 G	75	59	19	23	4,5	14
80	22	M20x1,5	45	85	46	20	125	17	30	9	M10	28	3/8 G	95	75	22	25	8	13
100	30	M27x2	55	110	63	20	145	22	41	12	M10	28	1/2 G	115	90	26	31	12	10
125	30	M27x2	55	110	63	20	145	22	41	12	M12	34	1/2 G	140	110	-	-	-	-
160	40	M36x2	65	135	85	25	180	32	55	14	M16	42	3/4 G	180	140	-	-	-	-
200	40	M36x2	65	135	85	25	180	32	55	14	M16	42	3/4 G	220	175	-	-	-	-

+ = sommare corsa / *plus stroke length*

CILINDRI CNOMO Ø25-200
CNOMO CYLINDERS Ø25-200

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

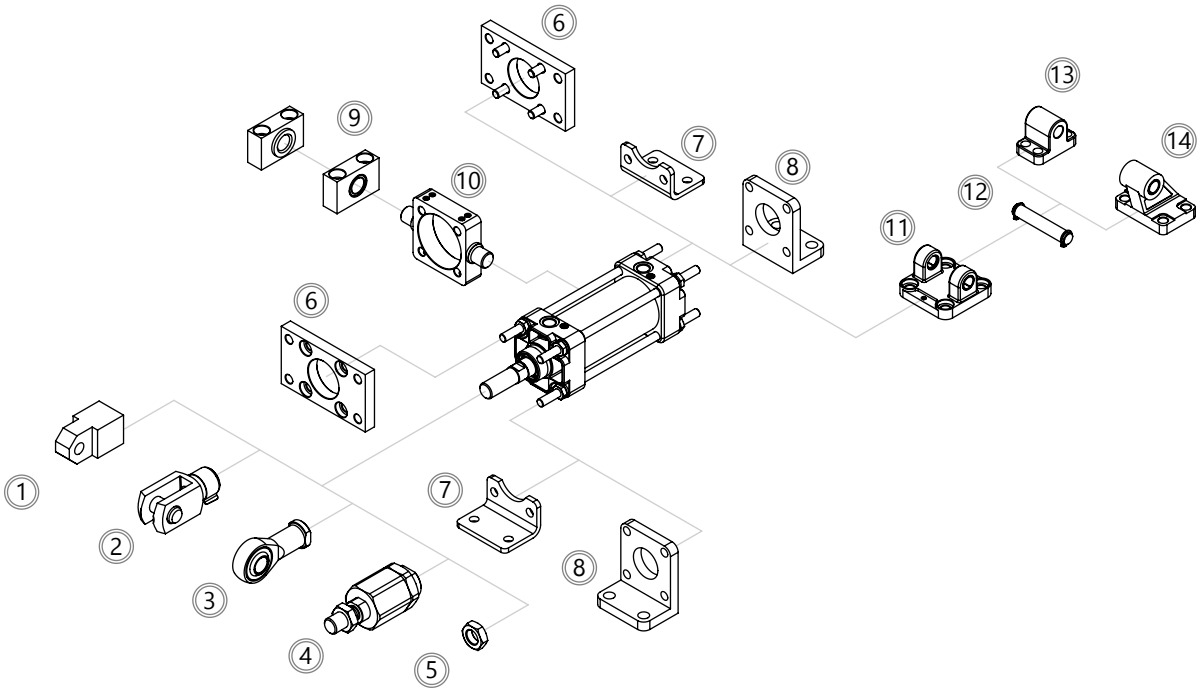
OADE1MN - OADE1MA - OADE1NN - OADE1NA



Ø	ØA	B	ØC	E	F	G	L	SW1	SW2	H	D	K	EE	M	N	J1	J2	R1	R2
25	12	M10x1,5	25	45	20	15	90	8	17	6	M6	17	1/8 G	40	28	7	11	0,75	7,5
32	12	M10x1,5	25	45	20	15	90	8	17	6	M6	17	1/8 G	45	33	15	16,5	6	8
40	18	M16x1,5	32	70	36	15	129	13	24	8	M6	17	1/4 G	52	40	17,5	23	3	11
50	18	M16x1,5	32	70	36	15	129	13	24	8	M8	23	1/4 G	65	49	18,5	23,5	4,5	10
63	22	M20x1,5	45	85	46	20	143	17	30	9	M8	23	3/8 G	75	59	19	23	4,5	14
80	22	M20x1,5	45	85	46	20	143	17	30	9	M10	28	3/8 G	95	75	22	25	8	13
100	30	M27x2	55	110	63	20	164	22	41	12	M10	28	1/2 G	115	90	26	31	12	10
125	30	M27x2	55	110	63	20	164	22	41	12	M12	34	1/2 G	140	110	-	-	-	-
160	40	M36x2	65	135	85	25	200	32	55	14	M16	42	3/4 G	180	140	-	-	-	-
200	40	M36x2	65	135	85	25	200	32	55	14	M16	42	3/4 G	220	175	-	-	-	-

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Alluminio *Aluminum*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Forcella maschio CNOMO** CNOMO *Male clevis*	-	**160**	-
2	**Forcella femmina CNOMO** CNOMO *Female clevis*	-	**161**	-
3	**Testa a snodo** *Rod end*	-	**158**	**185**
4	**Giunto autoallineante** *Self-aligning joint*	-	**158**	-
5	**Dado stelo** *Piston rod nut*	-	**159**	**186**
6	**Flangia CNOMO** CNOMO *Flange*	-	**181**	-
7	**Piedino basso CNOMO** CNOMO *Low rise pedestral*	-	**182**	-
8	**Piedino alto CNOMO** CNOMO *High pedestral*	**180**	-	-
9	**Supporto per cerniera intermedia** *Support for intermediate hinge*	-	**177**	-
10	**Cerniera intermedia CNOMO** CNOMO *Intermediate hinge*	-	**183**	-
11	**Cerniera femmina CNOMO** CNOMO *Female hinge*	**179**	-	-
12	**Perno CNOMO** CNOMO *Pin*	-	**182**	-
13	**Articolazione normale CNOMO** CNOMO *Normal hinge*	**179**	-	-
14	**Articolazione a squadra CNOMO** CNOMO *Square joint*	**180**	-	-

CILINDRI CNOMO Ø25-200
CNOMO CYLINDERS Ø25-200

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	Barra stelo in C45 *Piston rod bar in C45*	Ø
25	V30BRT0612000	12
32	V30BRT0612000	12
40	V30BRT0618000	18
50	V30BRT0618000	18
63	V30BRT0622000	22
80	V30BRT0622000	22
100	V30BRT0630000	30
125	V30BRT0630000	30
160	V30BRT0640000	40
200	V30BRT0640000	40

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	Barra tubo tondo per versione tirantata *Round tube bar for tie rods version*
25	V30TGT0025000
32	V30TGT0032000
40	V30TGT0040000
50	V30TGT0050000
63	V30TGT0063000
80	V30TGT0080000
100	V30TGT00A0000
125	V30TGT00C5000
160	V30TGT00G0000
200	V30TGT00L0000

Barre lunghezza 3 metri
3 meter long bars

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

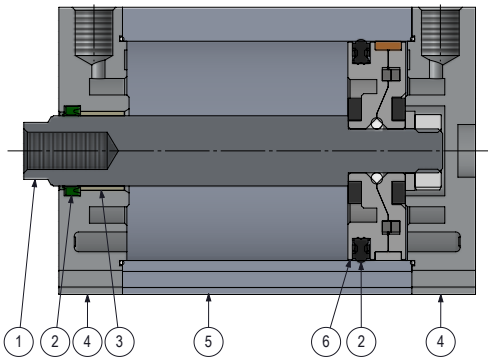
Cilindri compatti ISO21287 disponibili da Ø20 a Ø100 in versione semplice e doppio effetto, magnetico e non, e con stelo standard o passante.

- **Testate in alluminio pressofuso verniciato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

ISO21287 compact cylinders produced from Ø20 up to Ø100 in single and double acting version, magnetic or not, and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Acciaio + PTFE** *Steel + PTFE*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
CA	DE	0	M	F	080	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**M** **Filetto maschio** *Male thread*	**020** **Ø20**	**XXXX** **corsa** *stroke*
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**F** **Filetto femmina** *Female thread*	**...**	
	SP **Semplice effetto molla posteriore** *Single acting rear spring*				**100** **Ø100**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Costruzione *Construction*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	E	X	P020		T
HR **Stelo Viton** *Viton rod seal*	**E** **Antirotazione** *Not rotating*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*		**X** **AISI316** *AISI316*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

CORSE STANDARD / *STANDARD STROKES*

Ø	5	10	15	20	25	30	40	50	60	70	80	90	100	125	160	200	250	300	350	400
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
32	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard versione semplice effetto (5-10-15-20-25-30-40-50)
Single acting cylinders standard strokes (15-10-15-20-25-30-40-50)

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

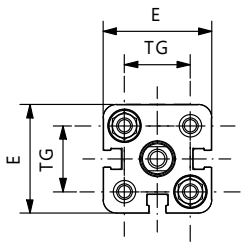
FORZE TEORICHE / *THEORETICAL FORCES*

Forze teoriche molle corsa 25 mm *Theoretical spring forces at stroke 25 mm*		
Ø	**F1**	**F2**
20	10	25
25	16	33
32	30	50
40	40	55
50	40	65
63	51	77
80	90	115
100	120	160

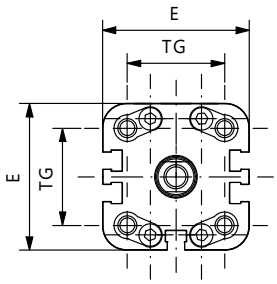
F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
20	188	141
25	294	247
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416

SEMPLICE EFFETTO MOLLA ANTERIORE
SINGLE ACTING FRONT SPRING

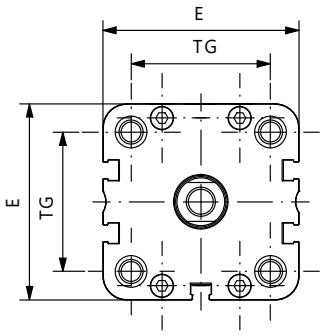
CASA0N - CASA0M



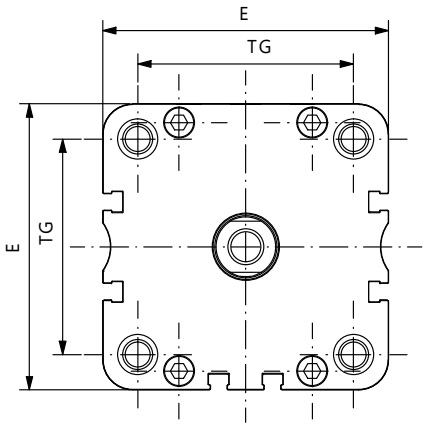
Ø020 - Ø025



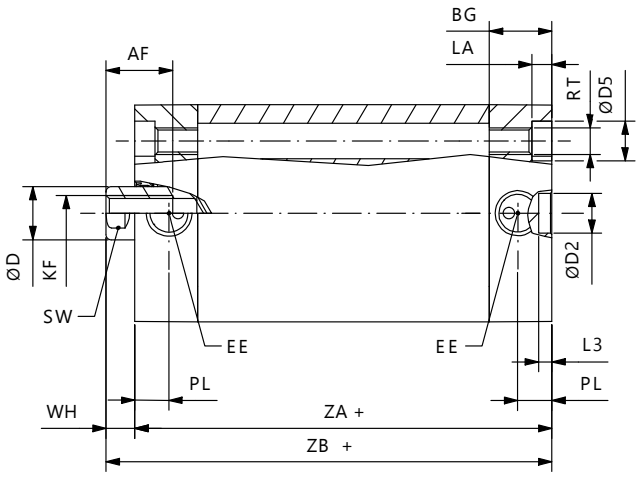
Ø032

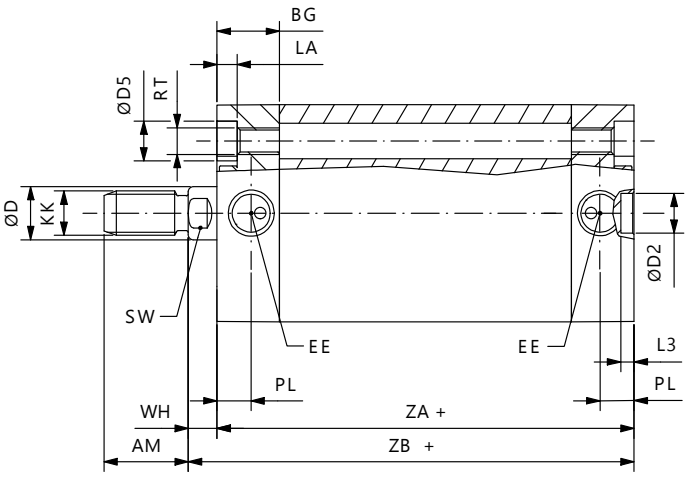


Ø040 - Ø050



Ø063 - Ø080 - Ø100





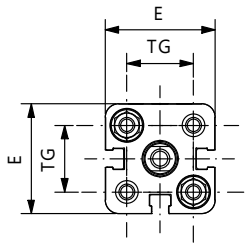
Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	43	4,5
25	40	9	M5	7.5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	45	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	51	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	52	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	53	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	57	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	64	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	77	3

+ = sommare corsa / plus stroke length

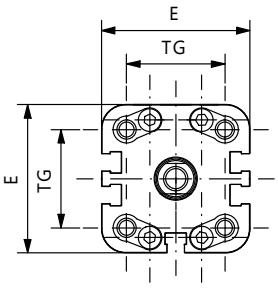
CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

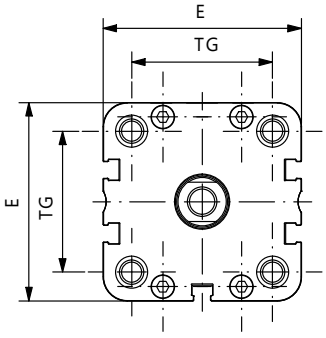
CASP0N - CASP0M



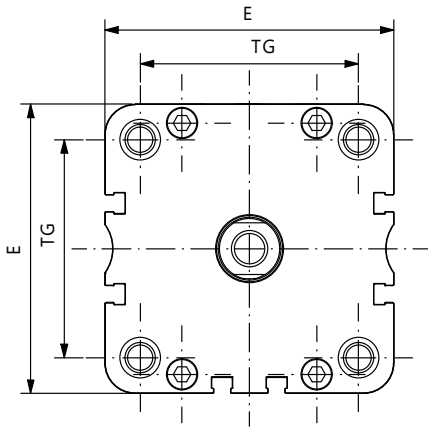
Ø020 - Ø025



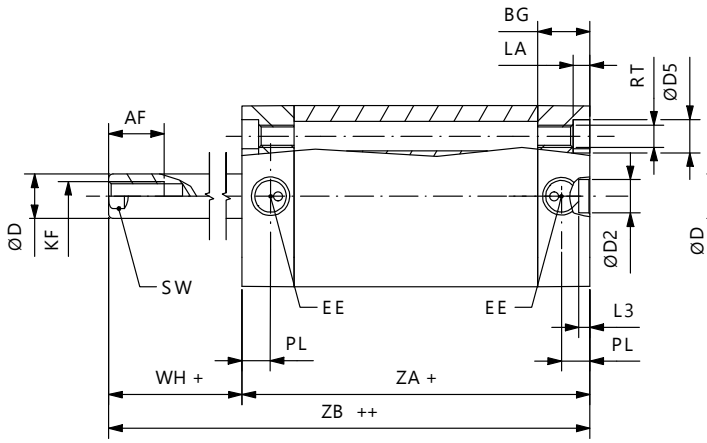
Ø032

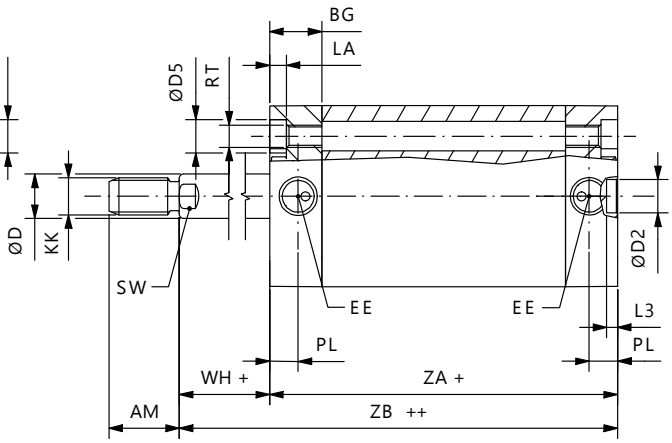


Ø040 - Ø050



Ø063 - Ø080 - Ø100



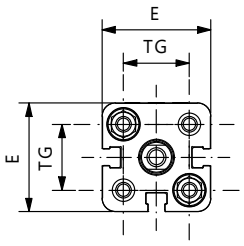


Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	43	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	45	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	51	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	52	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	53	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	57	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	64	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	77	3

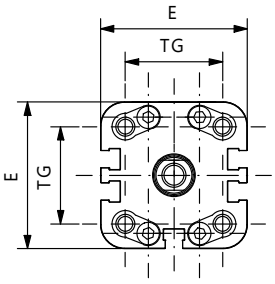
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO
DOUBLE ACTING

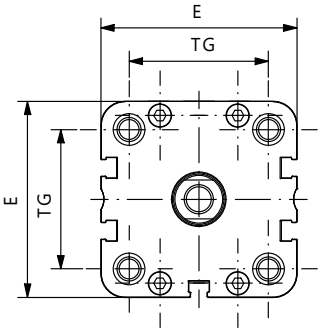
CADE0N - CADE0M



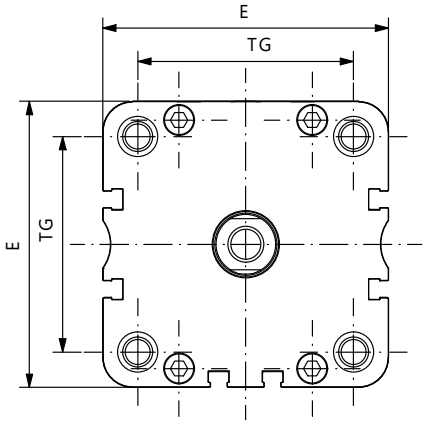
Ø020 - Ø025



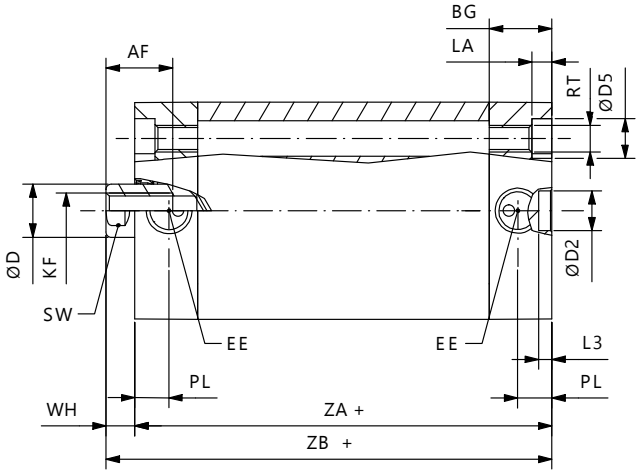
Ø032

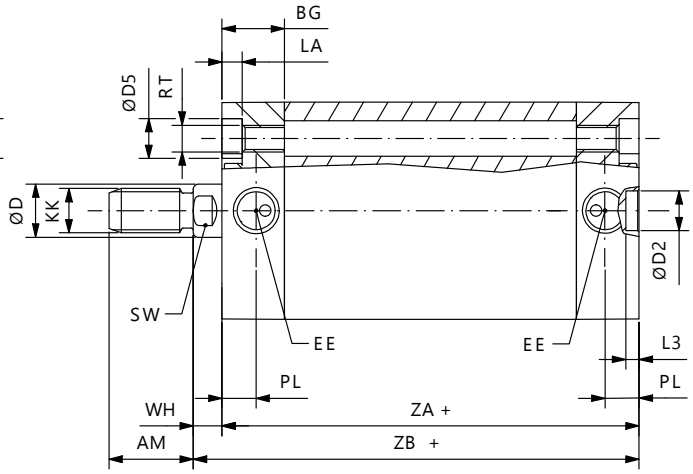


Ø040 - Ø050



Ø063 - Ø080 - Ø100



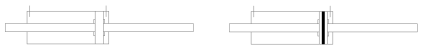


Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	43	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	45	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	51	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	52	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	53	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	57	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	64	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	77	3

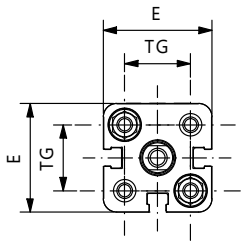
+ = sommare corsa / *plus stroke length*

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

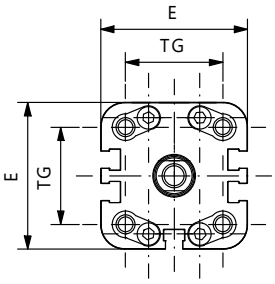
DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD



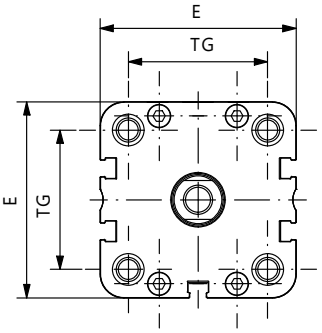
CADE1N - CADE1M



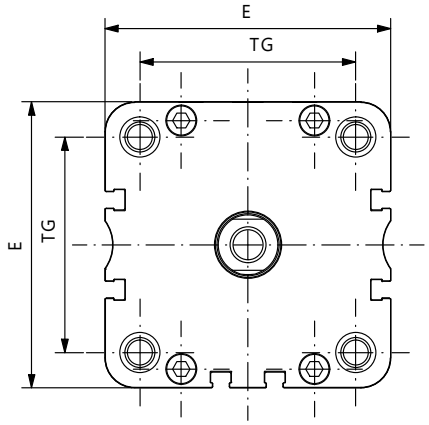
Ø020 - Ø025



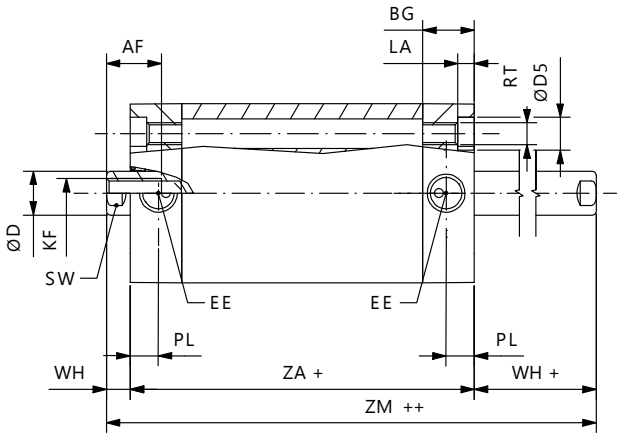
Ø032

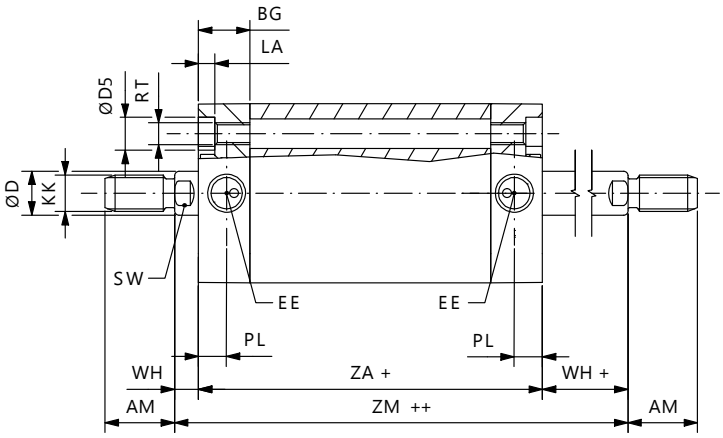


Ø040 - Ø050



Ø063 - Ø080 - Ø100



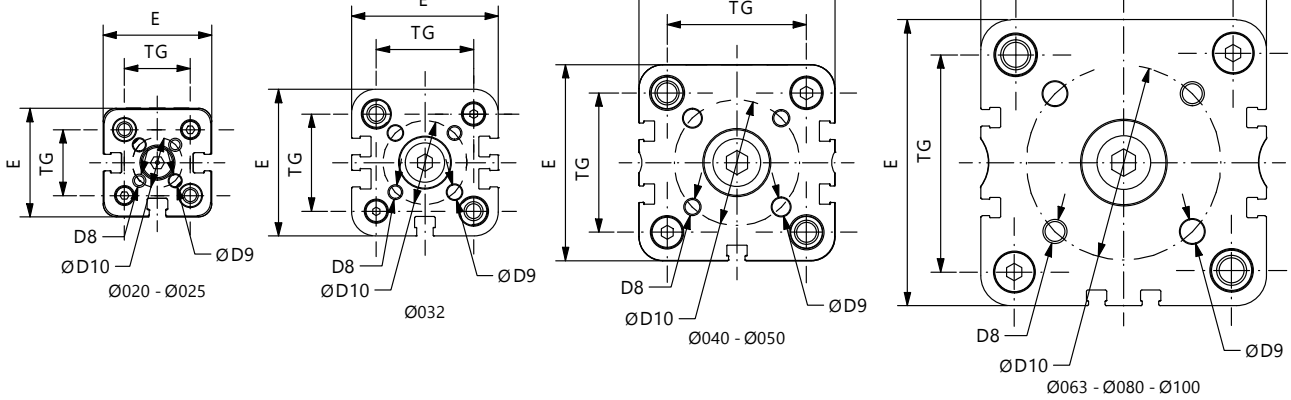


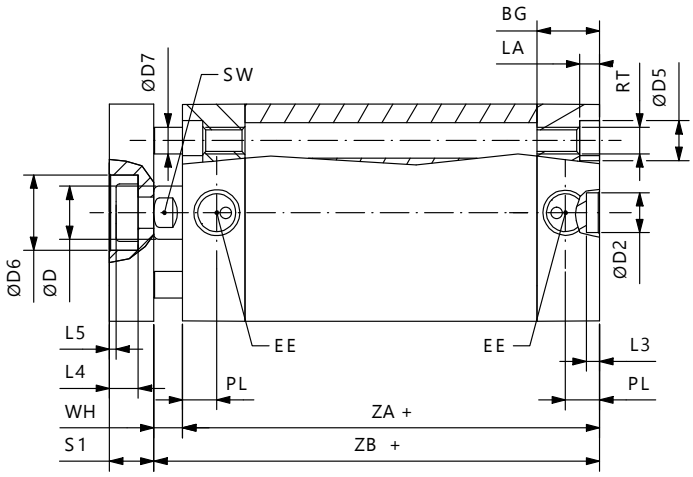
Ø	E	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	AF	WH	ZA	AM	KK	ZM	LA
20	36	M5	7,5	M6	10	M5	7,5	11,8	22	9	10	6	37	16	M8X1,25	49	4,5
25	40	M5	7,5	M6	10	M5	7,5	12,8	26	9	10	6	39	16	M8X1,25	51	4,5
32	49	M6	9	M8	12	1/8 G	7,5	14	32,5	10	12	7	44	19	M10X1,25	58	5
40	54,5	M6	9	M8	12	1/8 G	8	14,5	38	10	12	7	45	19	M10X1,25	59	5
50	65,5	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	16	8	45	22	M12X1,25	61	5
63	77	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	16	8	49	22	M12X1,25	65	5
80	95,5	M10	13,5	M12	20	1/8 G	8	15	72	17	20	10	54	28	M16X1,5	74	3
100	113,5	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	20	10	67	28	M16X1,5	87	3

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO ANTIROTAZIONE
DOUBLE ACTING NOT ROTATING

CADE0N E - CADE0M E





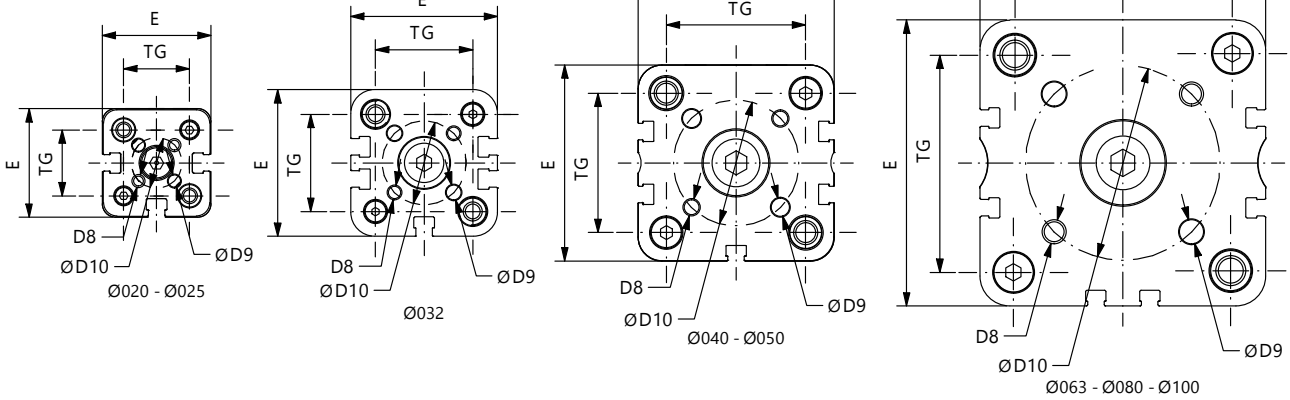
Ø	E	ØD2	RT	ØD5	ØD	EE	PL	BG	TG	SW	L3	WH	ZA	ZB	LA	S1	L4	ØD6	ØD7	ØD8	ØD9	ØD10
20	36	9	M5	7,5	10	M5	7,5	11,8	22	9	3	6	37	43	4,5	8	5	11	6	M4	4	17
25	40	9	M5	7,5	10	M5	7,5	12,8	26	9	3	6	39	45	4,5	8	5	14	6	M5	5	22
32	49	9	M6	9	12	1/8 G	7,5	14	32,5	10	3	7	44	51	4,5	10	6,5	17	6	M5	5	28
40	54,5	9	M6	9	12	1/8 G	8	14,5	38	10	3	7	45	52	5	10	6,5	17	8	M5	5	33
50	65,5	12	M8	10,5	16	1/8 G	8	14,5	46,5	13	4	8	45	53	5	12	7,5	22	10	M6	6	42
63	77	12	M8	10,5	16	1/8 G	7,5	13,8	56,5	13	4	8	49	57	5	12	7,5	22	10	M6	6	50
80	95,5	12	M10	13,5	20	1/8 G	8	15	72	17	4	10	54	64	3	14	9	28	14	M8	8	65
100	113,5	12	M10	13,5	25	1/8 G	10,5	19,5	89	21	4	10	67	77	3	14	10	30	14	M10	10	80

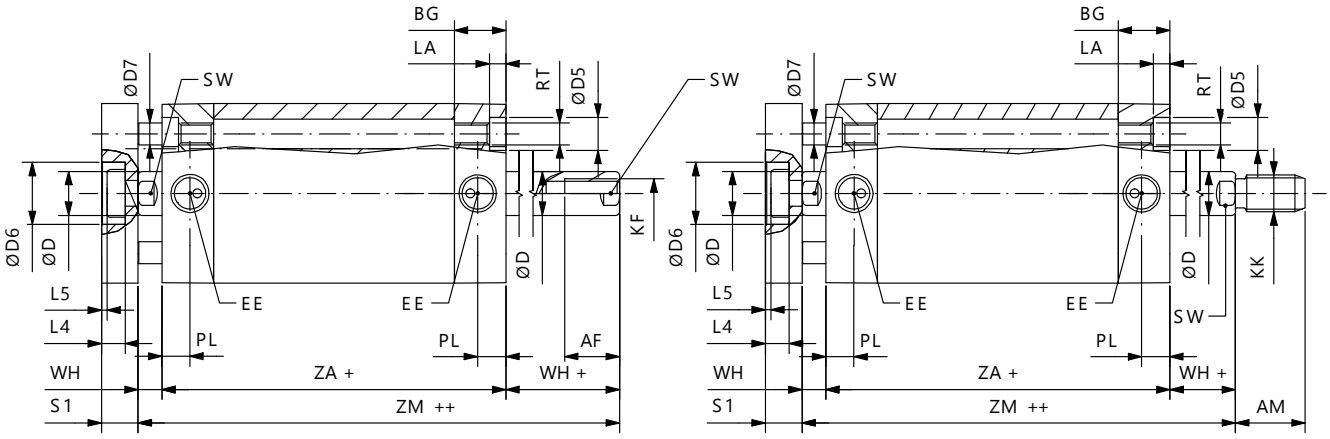
+ = sommare corsa / *plus stroke length*

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

DOPPIO EFFETTO ANTIROTAZIONE PASSANTE
DOUBLE ACTING NOT ROTATING THROUGH ROD

CADE1N E - CADE1M E

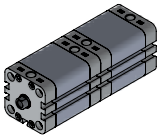


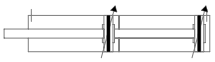


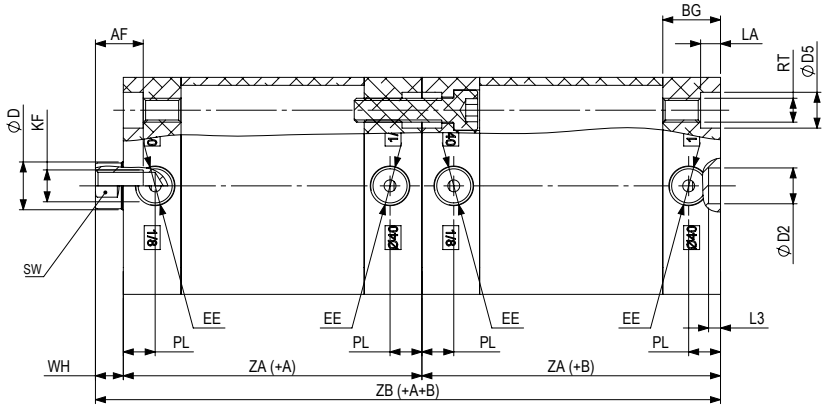
Ø	E	RT	ØD5	ØD	EE	PL	BG	TG	SW	WH	ZA	KK	ZM	LA	S1	L4	ØD6	ØD7	ØD8	ØD9	ØD10
20	36	M5	7,5	10	M5	7,5	11,8	22	9	6	37	M8X1,25	49	4,5	8	5	11	6	M4	4	17
25	40	M5	7,5	10	M5	7,5	12,8	26	9	6	39	M8X1,25	51	4,5	8	5	14	6	M5	5	22
32	49	M6	9	12	1/8 G	7,5	14	32,5	10	7	44	M10X1,25	58	4,5	10	6,5	17	6	M5	5	28
40	54,5	M6	9	12	1/8 G	8	14,5	38	10	7	45	M10X1,25	59	5	10	6,5	17	8	M5	5	33
50	65,5	M8	10,5	16	1/8 G	8	14,5	46,5	13	8	45	M12X1,25	61	5	12	7,5	22	10	M6	6	42
63	77	M8	10,5	16	1/8 G	7,5	13,8	56,5	13	8	49	M12X1,25	65	5	12	7,5	22	10	M6	6	50
80	95,5	M10	13,5	20	1/8 G	8	15	72	17	10	54	M16X1,5	74	3	14	9	28	14	M8	8	65
100	113,5	M10	13,5	25	1/8 G	10,5	19,5	89	21	10	67	M16X1,5	87	3	14	10	30	14	M10	10	80

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

TANDEM MULTI POSIZIONI
MULTI POSITION TANDEM



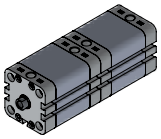


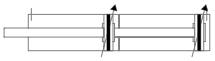


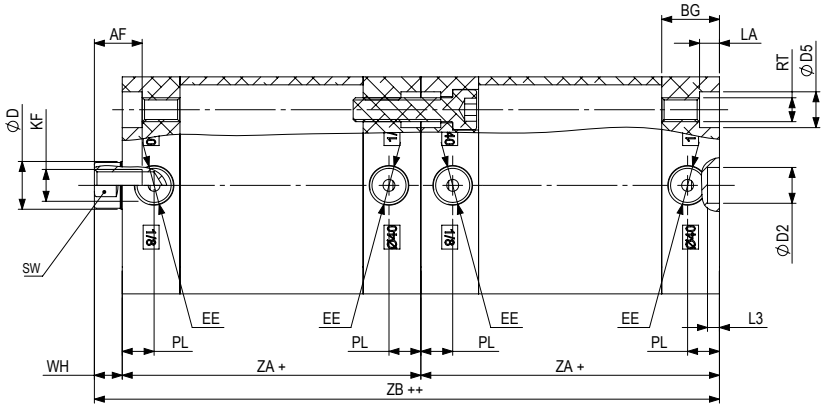
Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	80	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	84	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	95	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	97	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	98	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	106	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	118	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	144	3

+ = sommare corsa / *plus stroke length* ; **(+A) = corsa 1** / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

TANDEM DOPPIA SPINTA
DOUBLE THRUST TANDEM





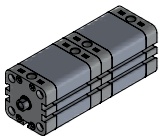


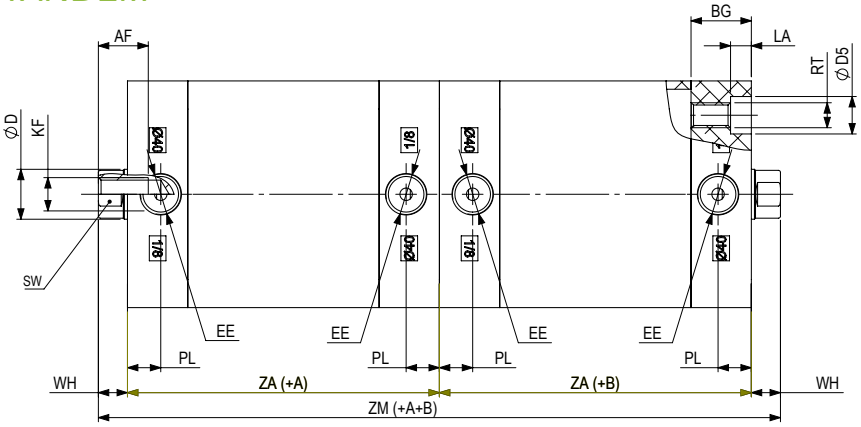
Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	80	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	84	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	95	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	97	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	98	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	106	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	118	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	144	3

+ = sommare corsa / *plus stroke length* ; **++ = sommare 2 x corsa** / *plus stroke length x 2*

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

TANDEM BACK TO BACK
BACK TO BACK TANDEM

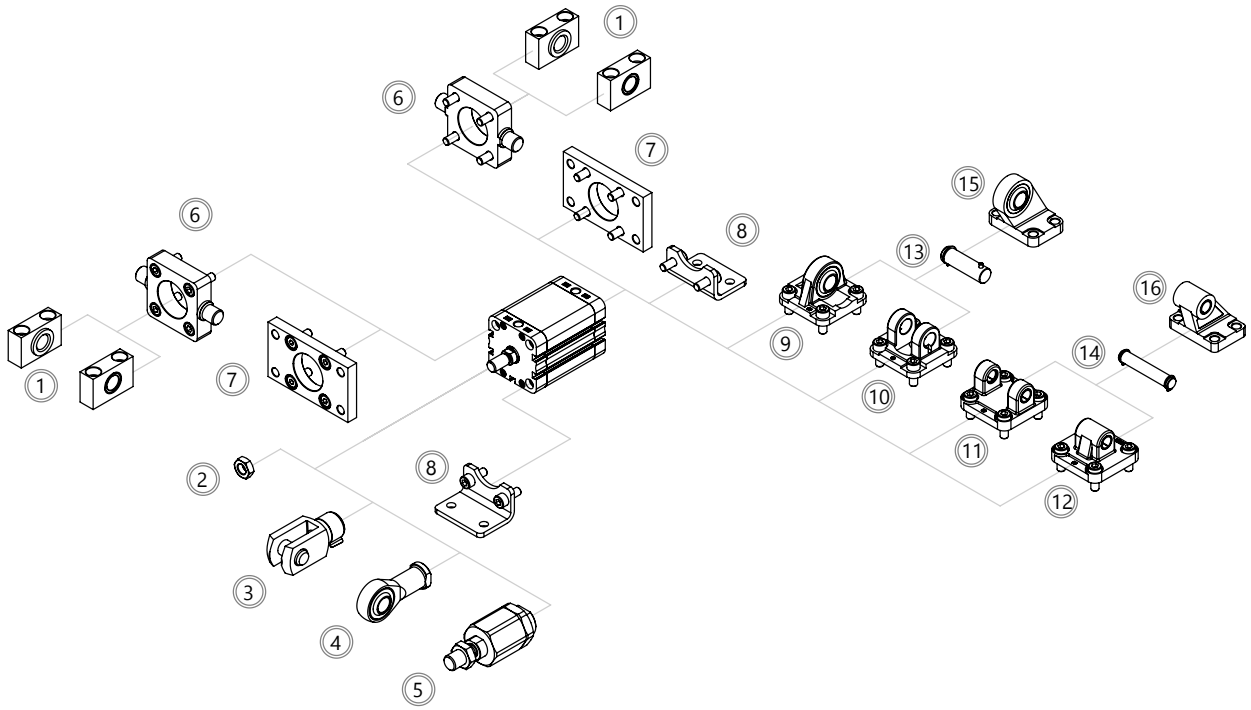




Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZM	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	86	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	90	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	102	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	104	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	106	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	114	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	128	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	154	3

+ = sommare corsa / *plus stroke length* ; **(+A) = corsa 1** / *stroke 1* ; **(+B) = corsa 2** / *stroke 2*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Alluminio *Aluminum*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Supporto per cerniera intermedia AT4** *Support for intermediate hinge AT4*	-	177	-
2	**Dado stelo** *Piston rod nut*	-	159	186
3	**Forcella** *Clevis*	-	157	185
4	**Testa a snodo** *Rod end*	-	158	185
5	**Giunto autoallineante** *Self-aligning joint*	-	158	-
6	**Cerniera anteriore-posteriore MT5/MT6** *Front-rear trunnion MT5/MT6*	-	175	-
7	**Flangia MF1-MF2** *Flange MF1-MF2*	-	173	195
8	**Piedino basso MS1** *Low rise pedestral MS1*	-	173	195
9	**Cerniera maschio snodata MP6** *Male hinge with spherical head MP6*	167	172	194
10	**Cerniera femmina stretta AB6** *Narrow female hinge AB6*	167	171	193
11	**Cerniera femmina MP2** *Female hinge MP2*	165	170	191
12	**Cerniera maschio MP4** *Male hinge MP4*	165 - 168	170	191
13	**Perno antirotazione AA6** *Not rotating pin AA6*	-	168	193
14	**Perno ISO AA4** *ISO Pin AA4*	-	166	192
15	**Articolazione a squadra con testina snodata DIN 648K** *Square joint w spherical head DIN 648K*	-	172	194
16	**Articolazione a squadra AB7** *Square join AB7*	166	171	192

CILINDRI COMPATTI ISO21287 Ø20-100
ISO21287 COMPACT CYLINDERS Ø20-100

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	Barra stelo in AISI303 *AISI303 piston rod bar*	Barra stelo in AISI316 *AISI316 piston rod bar*	Ø
20	V30BRT0310000	V30BRT0510000	10
25	V30BRT0310000	V30BRT0510000	10
32	V30BRT0312000	V30BRT0512000	12
40	V30BRT0312000	V30BRT0512000	12
50	V30BRT0316000	V30BRT0516000	16
63	V30BRT0316000	V30BRT0516000	16
80	V30BRT0320000	V30BRT0520000	20
100	V30BRT0325000	V30BRT0525000	25

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	Barra tubo in alluminio anodizzato *Anodized aluminum tube bar*
20	V30TG10020000
25	V30TG10025000
32	V30TG10320000
40	V30TG10040000
50	V30TG10050000
63	V30TG10063000
80	V30TG10080000
100	V30TG100A0000

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura/corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

CILINDRI COMPATTI Ø125-250
COMPACT CYLINDERS Ø125-250

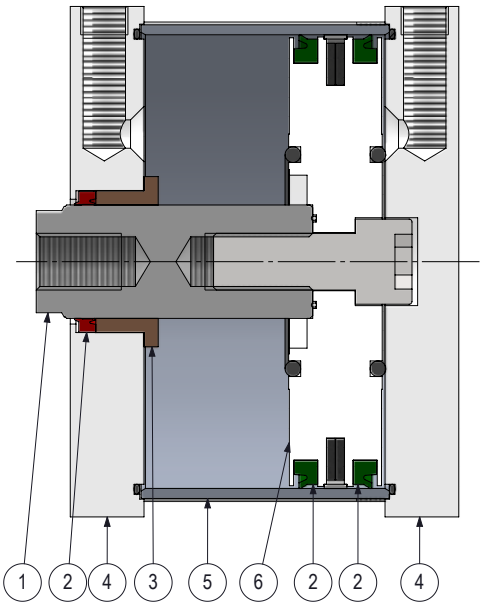
Cilindri compatti non a norma disponibili da Ø125 a Ø250 in versione doppio effetto, magnetico e non, e con stelo standard o passante.

- **Testate in alluminio anodizzato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

Compact cylinders produced from Ø125 up to Ø250 in double acting version, magnetic or not, and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio cromato** *Chromium plated steel*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Alluminio anodizzato** *Anodized aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
KA	DE	0	M	F	160	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**M** **Filetto maschio** *Male thread*	**125** **Ø125**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**F** **Filetto femmina** *Female thread*	**160** **Ø160**	
					200 **Ø200**	
					250 **Ø250**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	X	P020		T
HR **Stelo Viton** *Viton rod seal*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*	**X** **AISI316** *AISI316*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CILINDRI COMPATTI Ø125-250
COMPACT CYLINDERS Ø125-250

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	75	100	125	160	200	250
125	*	*	*	*	*	*	*	*	*
160	*	*	*	*	*	*	*	*	*
200	*	*	*	*	*	*	*	*	*
250	*	*	*	*	*	*	*	*	*

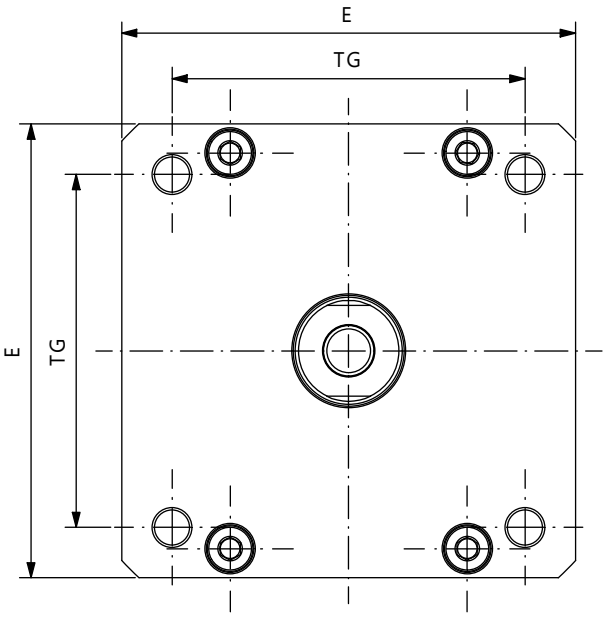
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

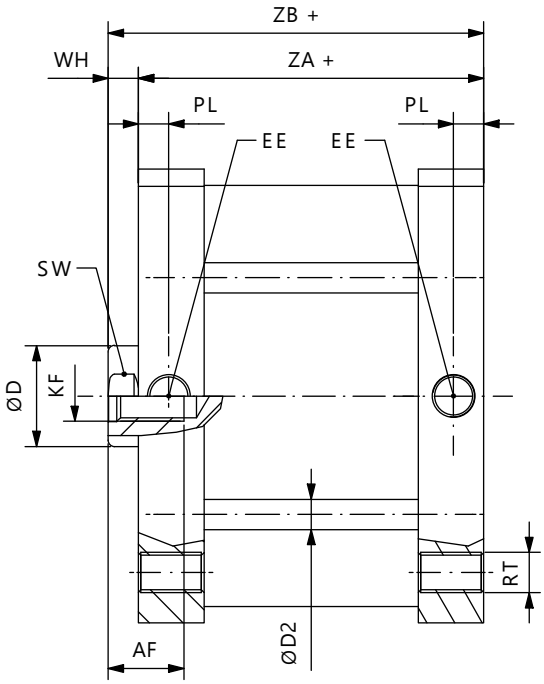
FORZE TEORICHE / *THEORETICAL FORCES*

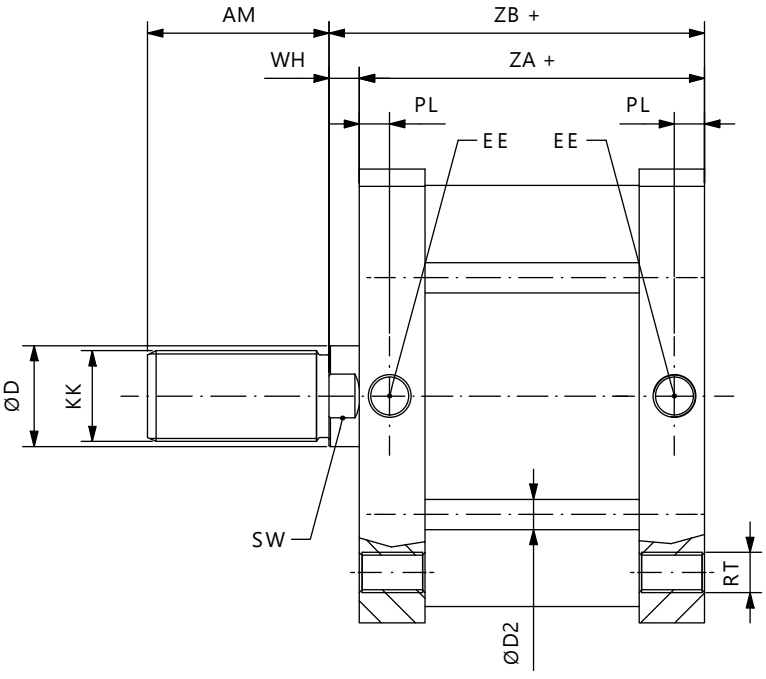
F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
125	7280	6880
160	11960	11200
200	18720	17960
250	29350	28600

DOPPIO EFFETTO
DOUBLE ACTING

KADE0N - KADE0M





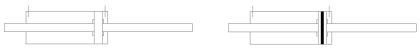


Ø	E	ØD	KF	ØD2	RT	EE	ZA	ZB	PL	TG	AF	AM	KK	WH
125	140	30	M14	10	M12	1/4 G	78	88	10	110	25	54	M27X2	10
160	180	40	M20	12	M16	3/8 G	87	99	12	140	30	72	M36X2	12
200	220	40	M20	14	M16	3/8 G	87	99	12	175	30	72	M36X2	12
250	270	40	M24	16	M20	1/2 G	116	128	15	220	35	72	M36X2	12

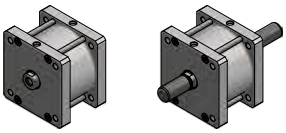
+ = sommare corsa / *plus stroke length*

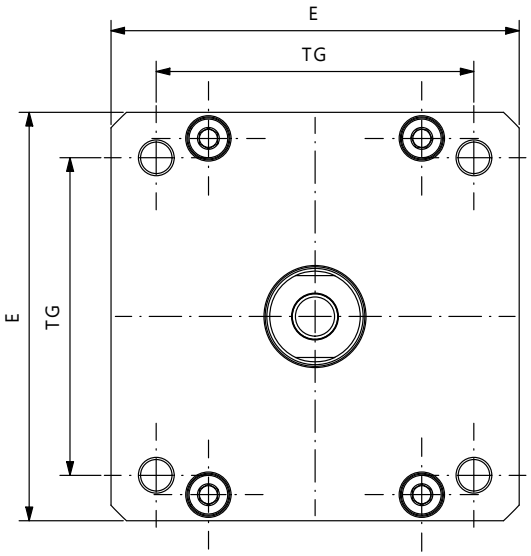
CILINDRI COMPATTI Ø125-250
COMPACT CYLINDERS Ø125-250

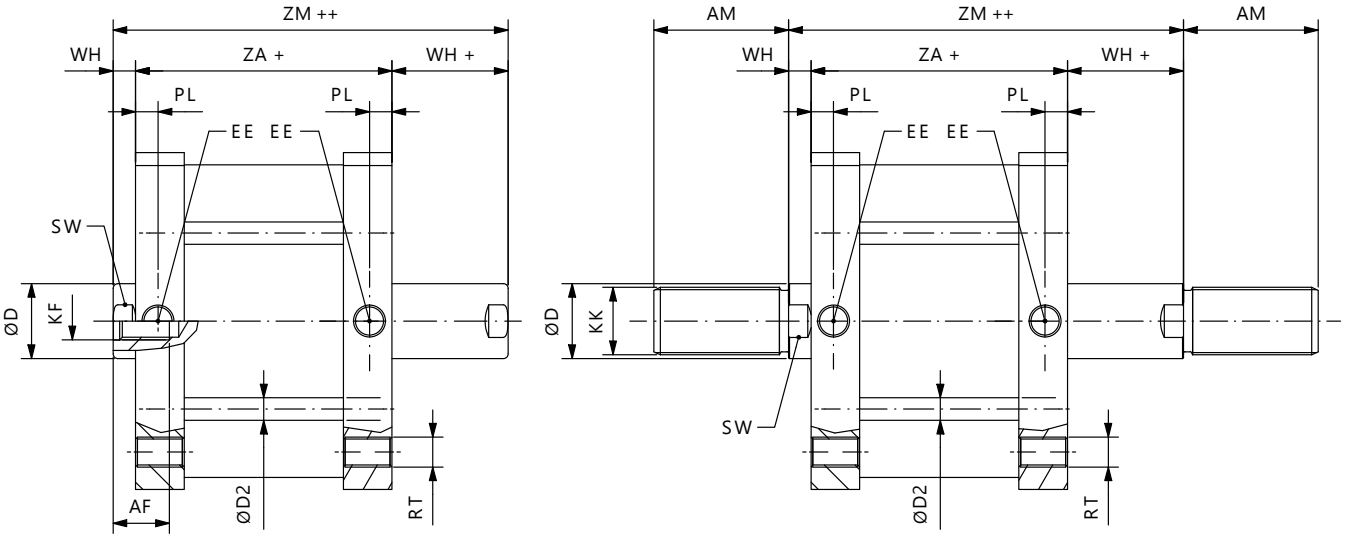
DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD



KADE1N - KADE1M



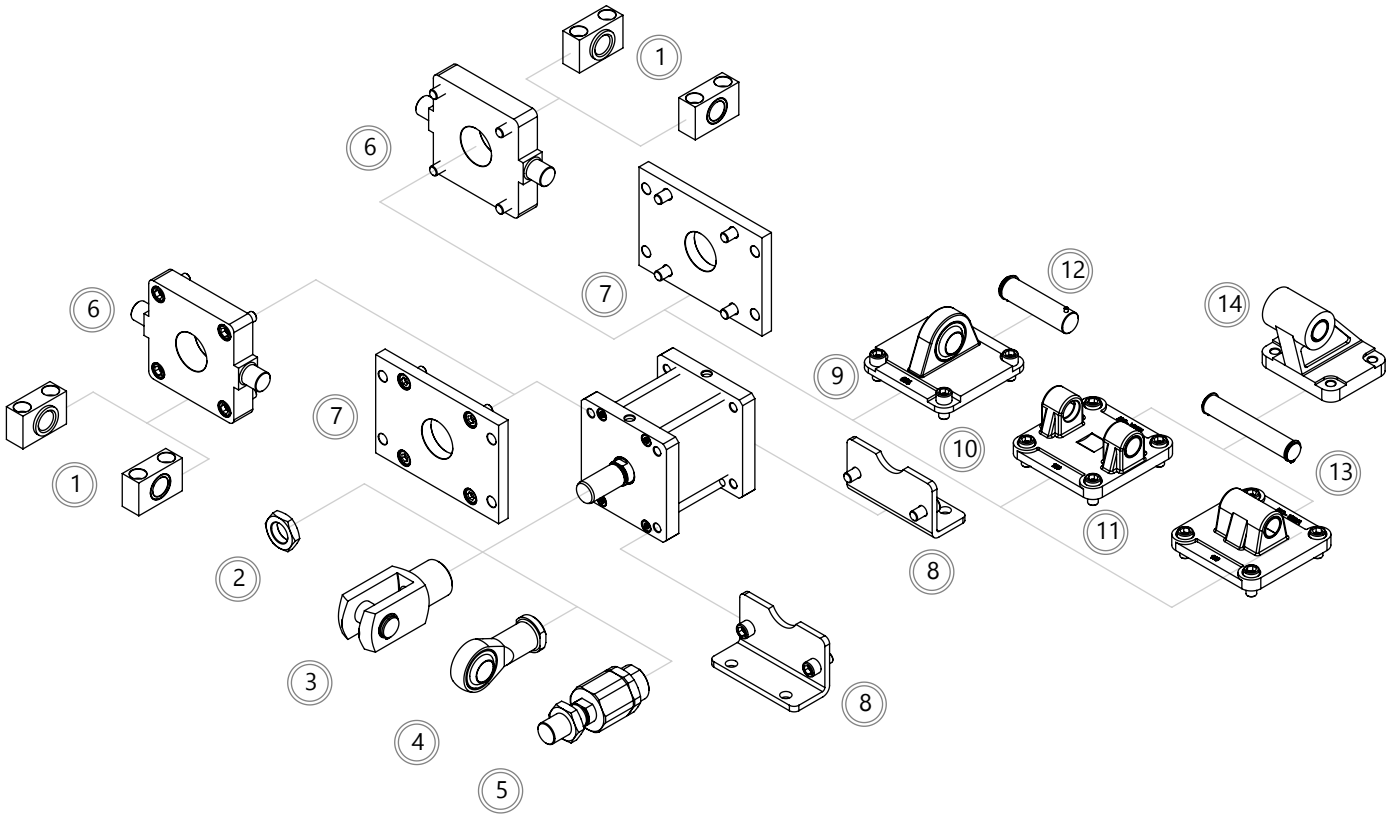




Ø	E	ØD	KF	ØD2	RT	EE	ZA	ZM	PL	TG	AF	AM	KK	WH
125	140	30	M14	10	M12	1/4 G	78	98	10	110	25	54	M27X2	10
160	180	40	M20	12	M16	3/8 G	87	111	12	140	30	72	M36X2	12
200	220	40	M20	14	M16	3/8 G	87	111	12	175	30	72	M36X2	12
250	270	40	M24	16	M20	1/2 G	116	140	15	220	35	72	M36X2	12

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Alluminio *Aluminum*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Supporto per cerniera intermedia AT4** *Support for intermediate hinge AT4*	-	177	-
2	**Dado stelo** *Piston rod nut*	-	159	186
3	**Forcella** **Clevis**	-	157	185
4	**Testa a snodo** *Rod end*	-	158	185
5	**Giunto autoallineante** *Self-aligning joint*	-	158	-
6	**Cerniera anteriore-posteriore MT5/MT6** *Front-rear trunnion MT5/MT6*	-	175	-
7	**Flangia MF1-MF2** *Flange MF1-MF2*	-	173	195
8	**Piedino basso MS1** *Low rise pedestral MS1*	-	173	195
9	**Cerniera maschio snodata MP6** *Male hinge with spherical head MP6*	167	172	194
10	**Cerniera femmina MP2** *Female hinge MP2*	165	170	191
11	**Cerniera maschio MP4** *Male hinge MP4*	165	170	191
12	**Perno antirotazione AA6** *Not rotating pin AA6*	-	168	193
13	**Perno ISO AA4** *ISO Pin AA4*	-	166	192
14	**Articolazione a squadra AB7** *Square join AB7*	166	171	192

CILINDRI COMPATTI Ø125-250
COMPACT CYLINDERS Ø125-250

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	Barra stelo in AISI303 *AISI303 piston rod bar*	Barra stelo in AISI316 *AISI316 piston rod bar*	Ø
125	V30BRT0330000	V30BRT0530000	30
160	V30BRT0340000	V30BRT0540000	40
200	V30BRT0340000	V30BRT0540000	40
250	V30BRT0340000	V30BRT0540000	40

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	Barra tubo in alluminio anodizzato *Anodized aluminum tube bar*
125	V30TGT00C5000
160	V30TGT00G0000
200	V30TGT00L0000
250	V30TGT00R0000

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura/corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

CILINDRI COMPATTI UNITOP Ø12-100
UNITOP COMPACT CYLINDERS Ø12-100

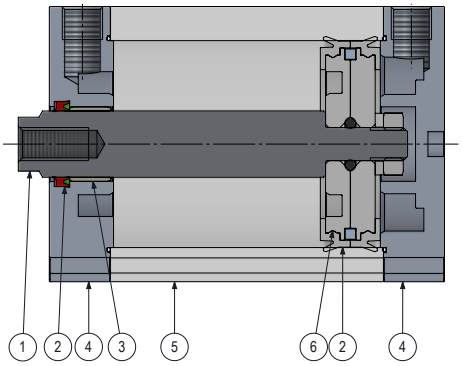
Cilindri compatti UNITOP disponibili da Ø16 a Ø100 in versione semplice e doppio effetto, magnetico e non, e con stelo standard o passante.

- **Testate in alluminio pressofuso verniciato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Interamente realizzabili in versione speciale a disegno**

UNITOP compact cylinders produced from Ø16 up to Ø100 in single and double acting version, magnetic or not, and with standard or through piston rod.

- *Painted die-casted aluminum covers*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Acciaio + PTFE** *Steel + PTFE*
Testate *Covers*	**Alluminio pressofuso verniciato** *Painted die-casted aluminum*
Tubo *Tube*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
UA	DE	0	M	F	080	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**M** **Filetto maschio** *Male thread*	**012** **Ø12**	**XXXX** **corsa** *stroke*
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**F** **Filetto femmina** *Female thread*	**...**	
	SP **Semplice effetto molla posteriore** *Single acting rear spring*				**100** **Ø100**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Costruzione *Construction*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	E	X	P020		T
HR **Stelo Viton** *Viton rod seal*	**E** **Antirotazione** *Not rotating*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*		**X** **AISI316** *AISI316*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI COMPATTI UNITOP Ø12-100
UNITOP COMPACT CYLINDERS Ø12-100

CORSE STANDARD / *STANDARD STROKES*

Ø	5	10	15	20	25	30	40	50	60	70	80	90	100	125	160	200	250	300	350	400
12	*	*	*	*	*	*	*	*	*	*	*	*	*							
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
32	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard version semplice effetto (5-10-15-20-25-30-40-50)
Single acting cylinders standard strokes (15-10-15-20-25-30-40-50)

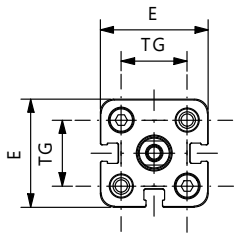
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

FORZE TEORICHE / *THEORETICAL FORCES*

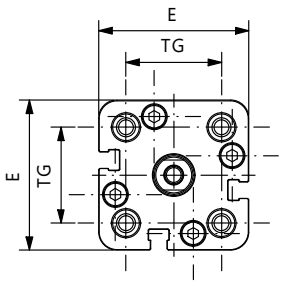
F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
12	67	50
16	121	91
20	188	141
25	294	247
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416

SEMPLICE EFFETTO MOLLA ANTERIORE
SINGLE ACTING FRONT SPRING

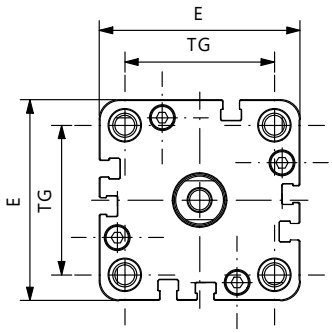
UASA0N - UASA0M



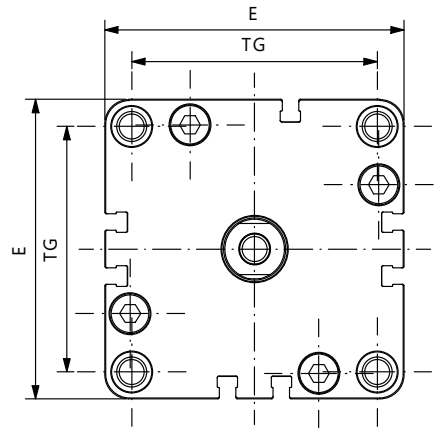
Ø012 - Ø016 - Ø020 - Ø025



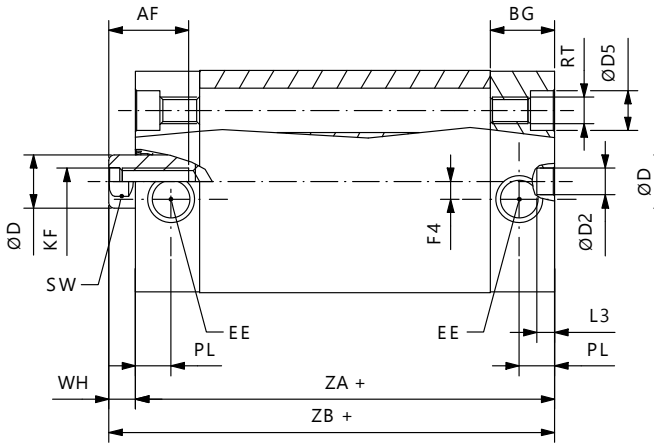
Ø032 - Ø040

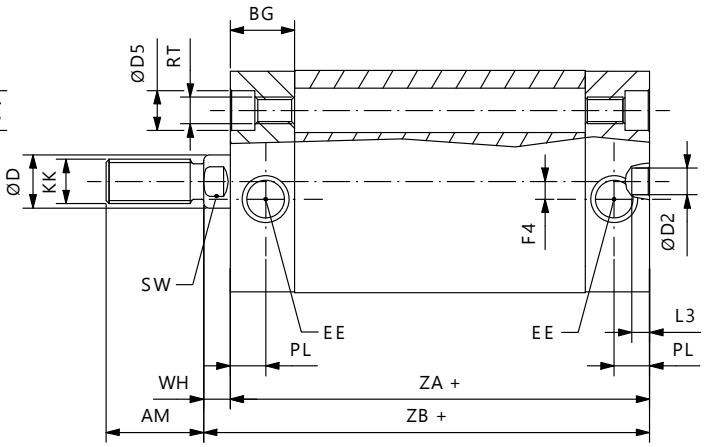


Ø050



Ø063 - Ø080 - Ø100





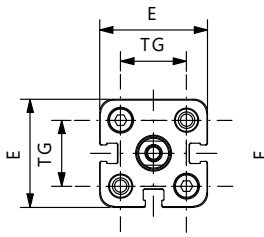
Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	F4
12	29	6	M4	6	M3	6	M5	8	12,25	18	5	4	8	4,5	38	16	M6x1	42,5	-
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	11	4,5	38	20	M8x1	42,5	-
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	12	4,5	38	22	M10x1,25	42,5	-
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	12	5,5	39,5	22	M10x1,25	45	-
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	15	6	44,5	22	M10x1,25	50,5	4
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	15	6,5	45,5	22	M10x1,25	51	3
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	17	7,5	45,5	24	M12x1,25	53	-
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	17	7,5	50	24	M12x1,25	57,5	-
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	17	8	56	32	M16x1,5	64	-
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	22	10	66,5	40	M20x1,5	76,5	-

+ = sommare corsa / *plus stroke length*

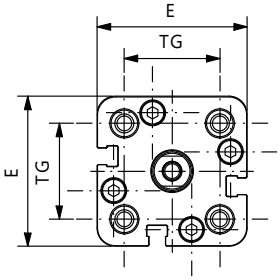
CILINDRI COMPATTI UNITOP Ø12-100
UNITOP COMPACT CYLINDERS Ø12-100

SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

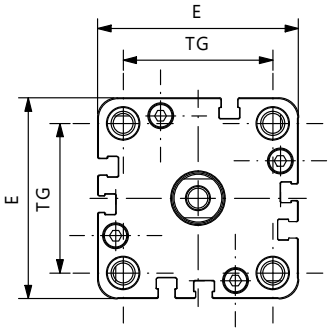
UASP0N - UASP0M



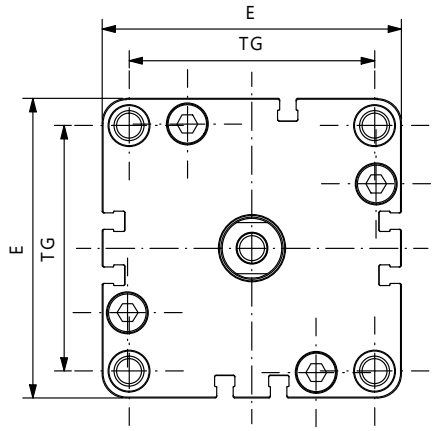
Ø012 - Ø016 - Ø020 - Ø025



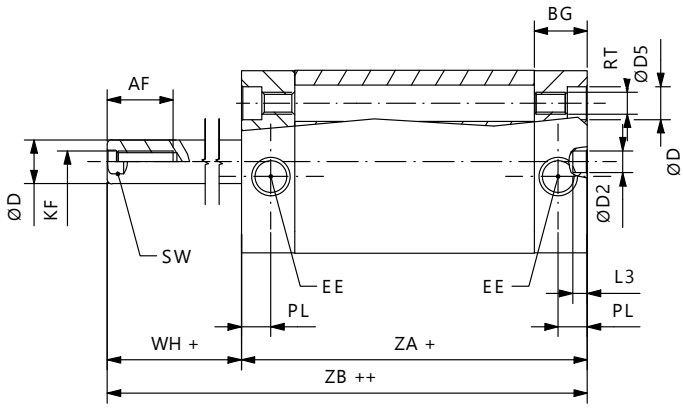
Ø032 - Ø040

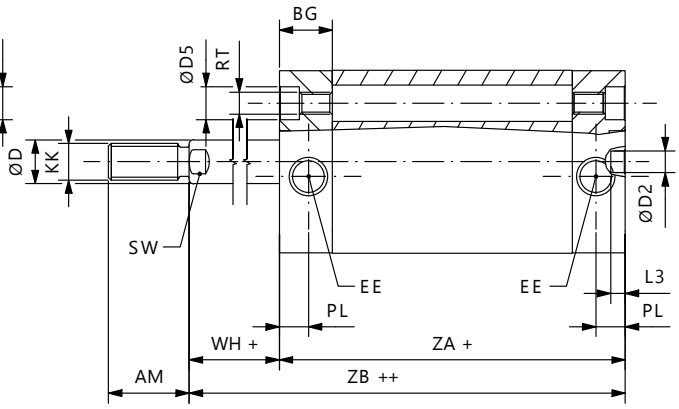


Ø050



Ø063 - Ø080 - Ø100



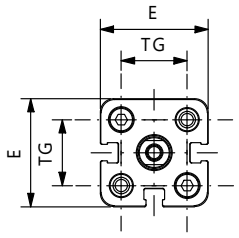


Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	F4
12	29	6	M4	6	M3	6	M5	8	12,25	18	5	4	8	4,5	38	16	M6x1	42,5	-
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	11	4,5	38	20	M8x1	42,5	-
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	12	4,5	38	22	M10x1,25	42,5	-
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	12	5,5	39,5	22	M10x1,25	45	-
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	15	6	44,5	22	M10x1,25	50,5	4
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	15	6,5	45,5	22	M10x1,25	51	3
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	17	7,5	45,5	24	M12x1,25	53	-
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	17	7,5	50	24	M12x1,25	57,5	-
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	17	8	56	32	M16x1,5	64	-
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	22	10	66,5	40	M20x1,5	76,5	-

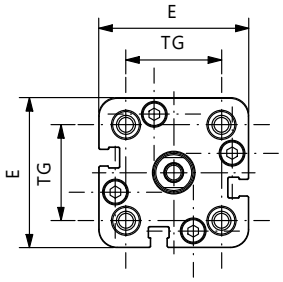
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO
DOUBLE ACTING

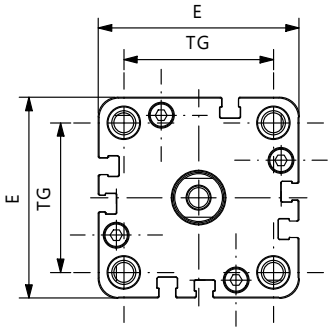
UADE0N - UADE0M



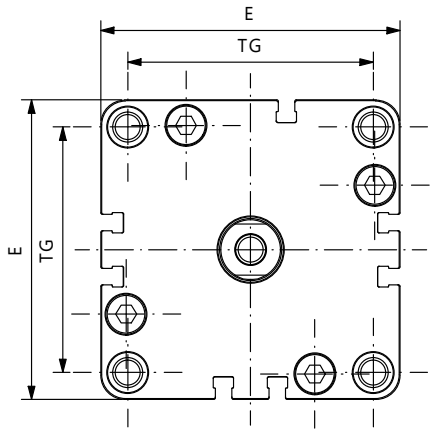
Ø012 - Ø016 - Ø020 - Ø025



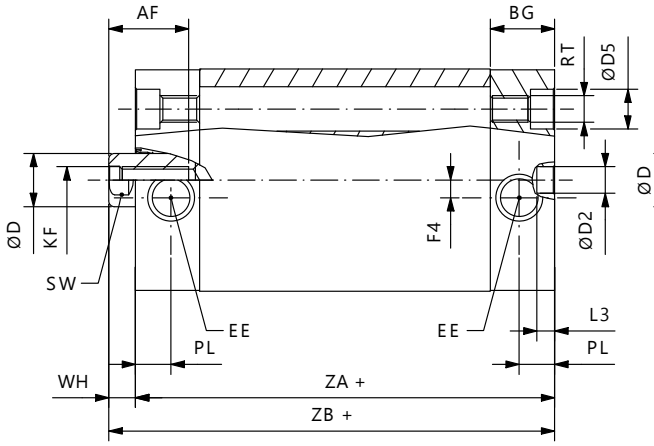
Ø032 - Ø040

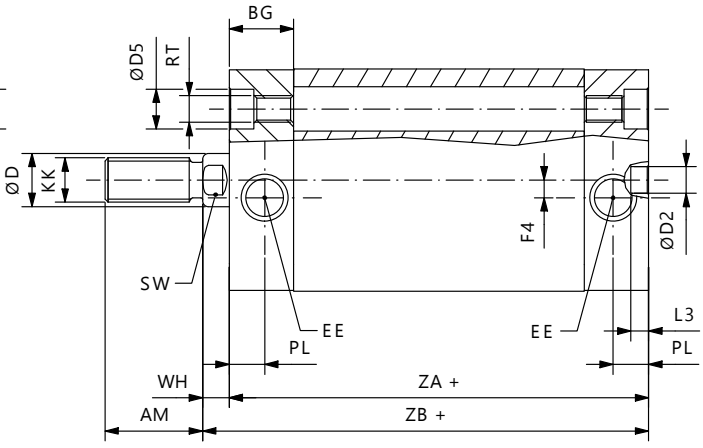


Ø050



Ø063 - Ø080 - Ø100



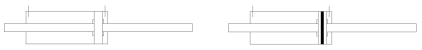


Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZB	F4
12	29	6	M4	6	M3	6	M5	8	12,25	18	5	4	8	4,5	38	16	M6x1	42,5	-
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	11	4,5	38	20	M8x1	42,5	-
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	12	4,5	38	22	M10x1,25	42,5	-
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	12	5,5	39,5	22	M10x1,25	45	-
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	15	6	44,5	22	M10x1,25	50,5	4
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	15	6,5	45,5	22	M10x1,25	51	3
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	17	7,5	45,5	24	M12x1,25	53	-
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	17	7,5	50	24	M12x1,25	57,5	-
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	17	8	56	32	M16x1,5	64	-
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	22	10	66,5	40	M20x1,5	76,5	-

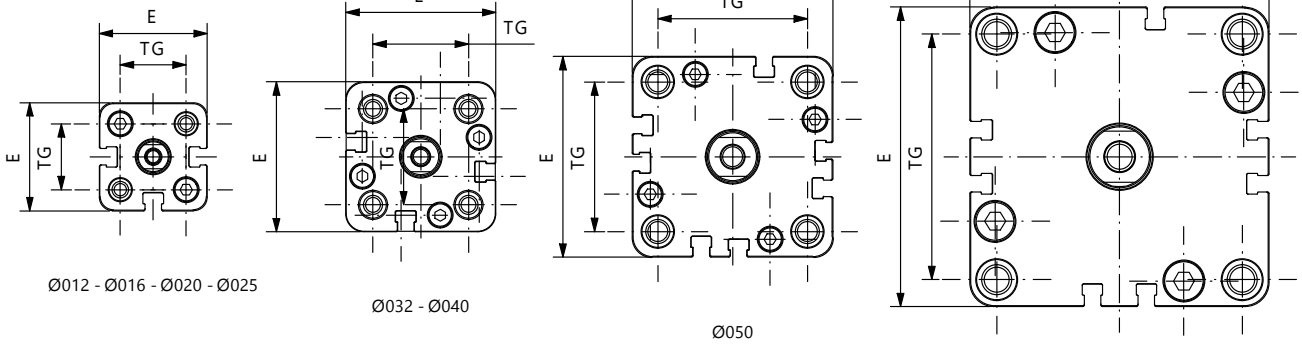
+ = sommare corsa / *plus stroke length*

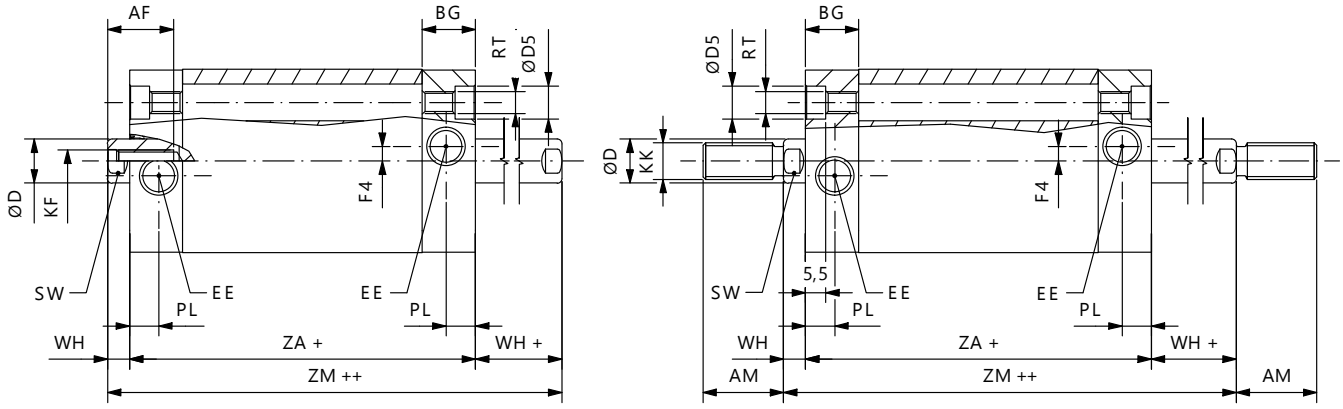
CILINDRI COMPATTI UNITOP Ø12-100
UNITOP COMPACT CYLINDERS Ø12-100

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD



UADE1N - UADE1M

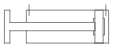




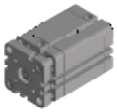
Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA	AM	KK	ZM	F4
12	29	6	M4	6	M3	6	M5	8	12,25	18	5	4	8	4,5	38	16	M6x1	47	-
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	11	4,5	38	20	M8x1	47	-
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	12	4,5	38	22	M10x1,25	47	-
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	12	5,5	39,5	22	M10x1,25	50,5	-
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	15	6	44,5	22	M10x1,25	56,5	4
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	15	6,5	45,5	22	M10x1,25	58,5	3
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	17	7,5	45,5	24	M12x1,25	60,5	-
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	17	7,5	50	24	M12x1,25	65	-
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	17	8	56	32	M16x1,5	72	-
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	22	10	66,5	40	M20x1,5	86,5	-

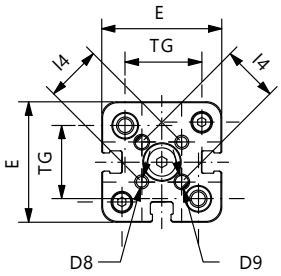
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO ANTIROTAZIONE
DOUBLE ACTING NOT ROTATING

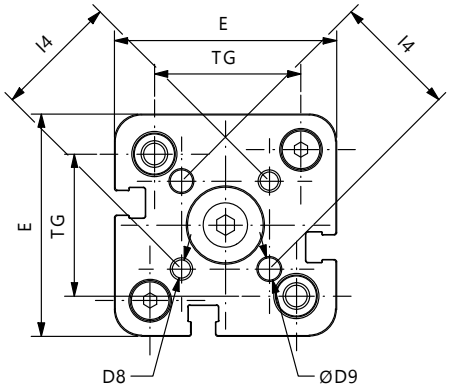



UADE0N E - UADE0M E

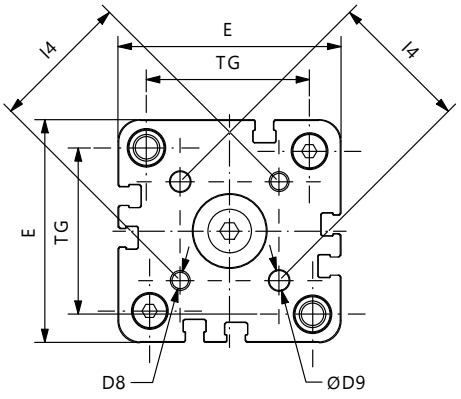




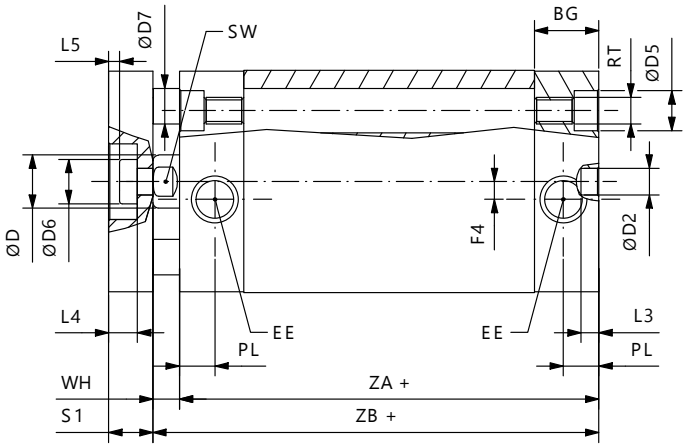
Ø012 - Ø016 - Ø020 - Ø025

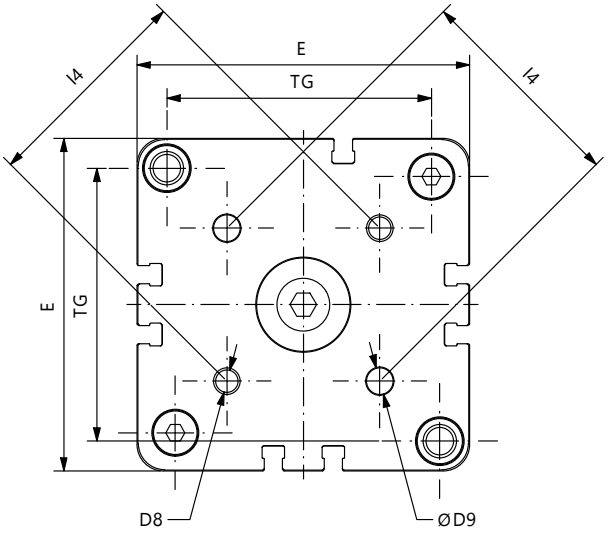


Ø032 - Ø040



Ø050





Ø063 - Ø080 - Ø100

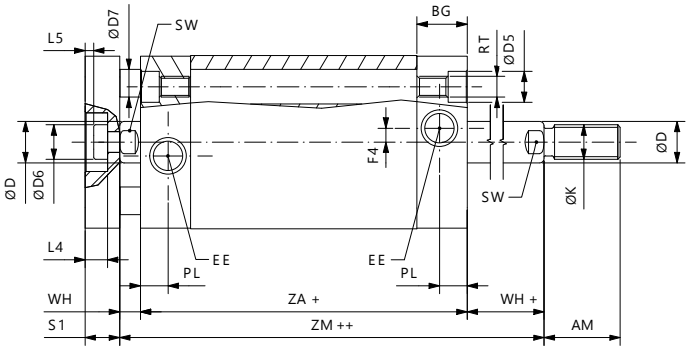
Ø	E	ØD2	RT	ØD5	KF	ØD6	EE	PL	BG	TG	SW	L3	AF	WH	ZA	ZB	F4	I4	L4	L5	S1	ØD7	ØD	ØD8	ØD9
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	8	4,5	38	42,5	-	14	3,8	1	6	5	9	M3	3
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	10	4,5	38	42,5	-	17	5	1,5	8	5	11	M4	4
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	10	5,5	39,5	45	-	22	5	1,5	8	6	14	M5	5
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	12	6	44,5	50,5	4	28	6,5	2,5	10	8	17	M5	5
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	12	6,5	45,5	52	3	33	6,5	2,5	10	10	17	M5	5
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	12	7,5	45,5	53	-	42	7,5	2,5	12	10	22	M6	6
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	14	7,5	50	57,5	-	50	7,5	2,5	12	10	22	M6	6
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	15	8	56	64	-	65	9	3	14	14	28	M8	8
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	20	10	66,5	76,5	-	80	10	3	14	14	30	M10	10

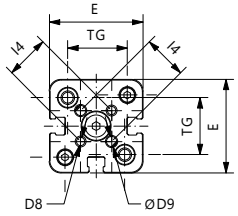
+ = sommare corsa / *plus stroke length*

CILINDRI COMPATTI UNITOP Ø12-100
UNITOP COMPACT CYLINDERS Ø12-100

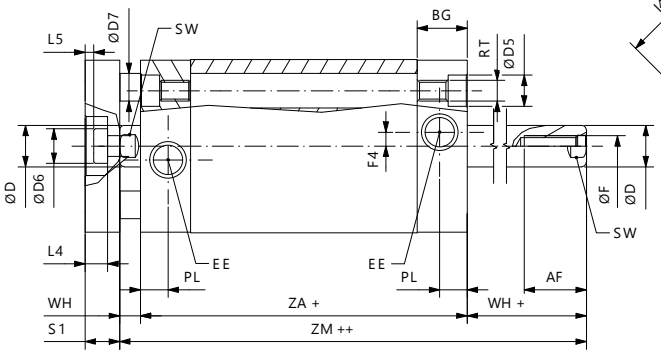
DOPPIO EFFETTO ANTIROTAZIONE PASSANTE
DOUBLE ACTING NOT ROTATING THROUGH ROD

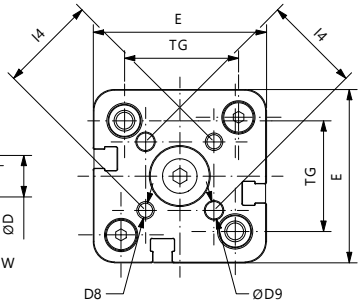
UADE1N E - UADE1M E



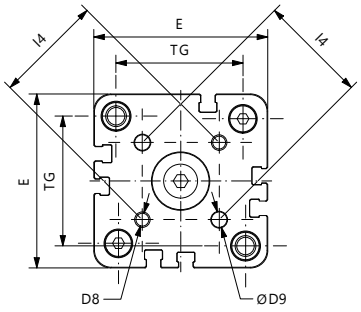


Ø012 - Ø016 - Ø020 - Ø025

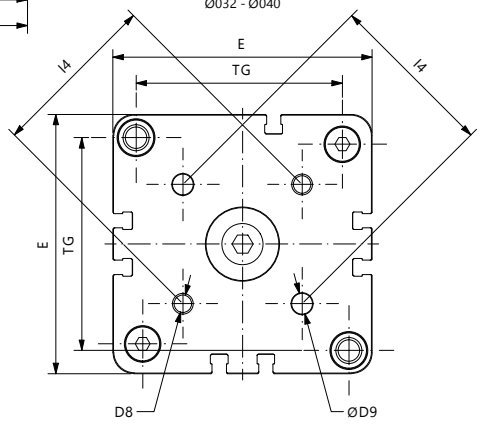




Ø032 - Ø040



Ø050



Ø063 - Ø080 - Ø100

Ø	E	ØD2	RT	ØD5	KF	ØD6	EE	PL	BG	TG	SW	L3	AF	WH	ZA	ZM	F4	I4	L4	L5	S1	ØD7	ØD	ØD8	ØD9
16	29	6	M4	6	M4	8	M5	8	12,25	18	6	4	8	4,5	38	47	-	14	3,8	1	6	5	9	M3	3
20	36	6	M5	7,5	M5	10	M5	8	12,25	22	8	4	10	4,5	38	47	-	17	5	1,5	8	5	11	M4	4
25	40	6	M5	7,5	M5	10	M5	8	12,75	26	8	4	10	5,5	39,5	50,5	-	22	5	1,5	8	6	14	M5	5
32	50	6	M6	9	M6	12	1/8 G	8	14,5	32	10	4	12	6	44,5	56,5	4	28	6,5	2,5	10	8	17	M5	5
40	58	6	M6	9	M6	12	1/8 G	8	14,75	42	10	4	12	6,5	45,5	58,5	3	33	6,5	2,5	10	10	17	M5	5
50	67	6	M8	10,5	M8	16	1/8 G	8	14,75	50	13	4	12	7,5	45,5	60,5	-	42	7,5	2,5	12	10	22	M6	6
63	80	8	M10	13,5	M8	16	1/8 G	8	14,25	62	13	4	14	7,5	50	65	-	50	7,5	2,5	12	10	22	M6	6
80	100	8	M10	13,5	M10	20	1/8 G	8,5	16	82	17	4	15	8	56	72	-	65	9	3	14	14	28	M8	8
100	124	8	M10	13,5	M12	25	1/4 G	10,5	19,25	103	22	4	20	10	66,5	86,5	-	80	10	3	14	14	30	M10	10

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI303** *AISI303 piston rod bar*	**Barra stelo in AISI316** *AISI316 piston rod bar*	**Ø**
12	V30BRT0306000	V30BRT0506000	6
16	V30BRT0308000	V30BRT0508000	8
20	V30BRT0310000	V30BRT0510000	10
25	V30BRT0310000	V30BRT0510000	10
32	V30BRT0312000	V30BRT0512000	12
40	V30BRT0312000	V30BRT0512000	12
50	V30BRT0316000	V30BRT0516000	16
63	V30BRT0316000	V30BRT0516000	16
80	V30BRT0320000	V30BRT0520000	20
100	V30BRT0325000	V30BRT0525000	25

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	**Barra tubo in alluminio anodizzato** *Anodized aluminum tube bar*
12	V30TG20012000
16	V30TG20016000
20	V30TG20020000
25	V30TG20025000
32	V30TG20320000
40	V30TG20040000
50	V30TG20050000
63	V30TG20063000
80	V30TG20080000
100	V30TG200A0000

Barre lunghezza 3 metri
3 meter long bars

CILINDRI CORSA BREVE Ø12-100
SHORT STROKE CYLINDERS Ø12-100

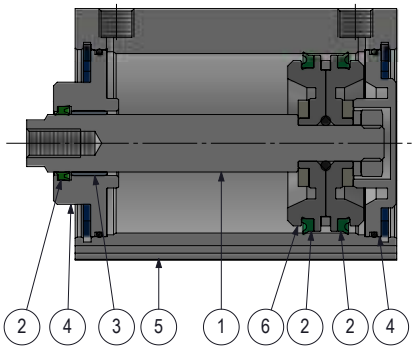
Cilindri corsa breve realizzati da Ø12 a Ø100 in versione semplice e doppio effetto, magnetico e non e con stelo standard o passante.

- **Testate e corpo in alluminio anodizzato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Design e ingombri compatti**

Short stroke compact cylinders produced from Ø12 up to Ø100 in single and double acting, magnetic or not, and with standard or through piston rod.

- *Body and covers in anodized aluminum*
- *High and long-lasting performances thanks to PU seals*
- *Very reduced and compact overall dimensions*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Acciaio + PTFE** *Steel + PTFE*
Testate *Covers*	**Alluminio anodizzato** Anodized aluminum
Corpo *Body*	**Alluminio anodizzato** *Anodized aluminum*
Pistone *Piston*	**Ø12-32 Delrin Ø40-100 Alluminio** *Ø12-32 Delrin Ø40-100 Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
BA	**DE**	**0**	**M**	**N**	**080**	**0100**
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**N** **Filetto femmina** *Female thread*	**012** **Ø12**	**XXXX** **corsa** *stroke*
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*		**...**	
	SP **Semplice effetto molla posteriore** *Single acting rear spring*				**100** **Ø100**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Costruzione *Construction*	Materiale Stelo *Piston rod material*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	**E**	**X**	**P020**		**T**
HR **Stelo Viton** *Viton rod seal*	**E** **Antirotazione** *Not rotating*	**Y** **AISI304** *AISI304*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*		**X** **AISI316** *AISI316*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI CORSA BREVE Ø12-100
SHORT STROKE CYLINDERS Ø12-100

CORSE STANDARD / *STANDARD STROKES*

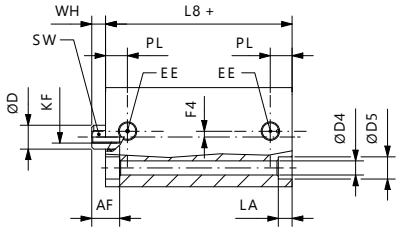
Ø	5	10	15	20	25	30	40	50	60	70	80	90	100	125	160	200	250	300	350	400
12	*	*	*	*	*															
16	*	*	*	*	*															
20	*	*	*	*	*															
25	*	*	*	*	*															
32	*	*	*	*	*	*	*	*	*	*	*	*	*							
40	*	*	*	*	*	*	*	*	*	*	*	*	*							
50		*	*	*	*	*	*	*	*	*	*	*	*							
63		*	*	*	*	*	*	*	*	*	*	*	*							
80		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard versione semplice effetto (5-10-15-20-25-30-40-50)
Single acting cylinders standard strokes (15-10-15-20-25-30-40-50)

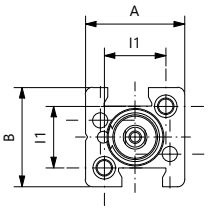
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

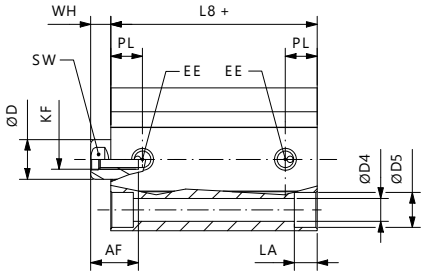
SEMPLICE EFFETTO MOLLA ANTERIORE NON MAGNETICO
SINGLE ACTING FRONT SPRING NOT MAGNETIC

BASA0NN

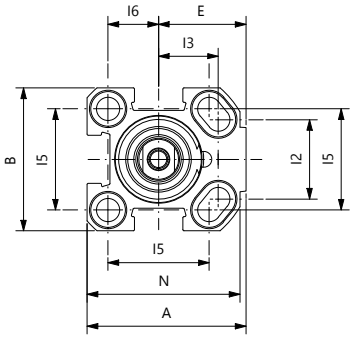


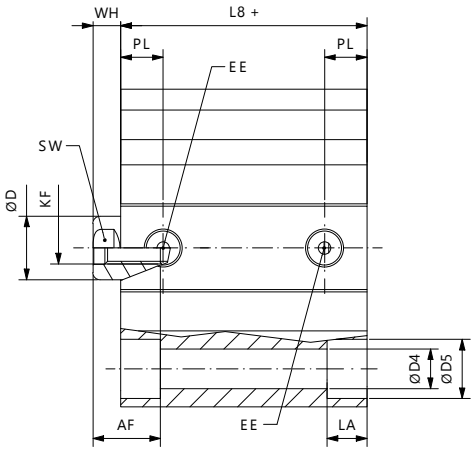
Ø012



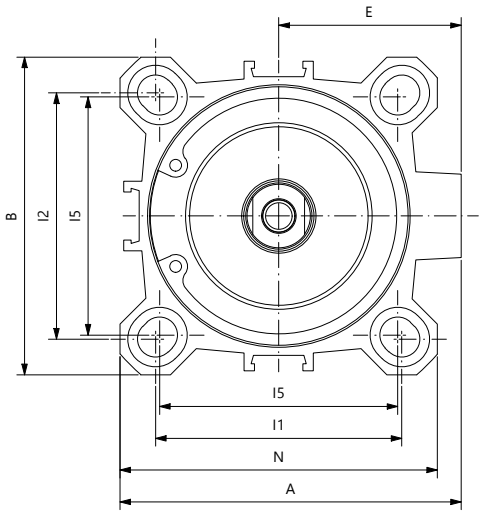


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100



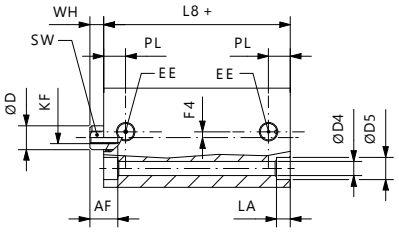
Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	17**	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	rif	rif	19	M5	27	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	27	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	28,5	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	29,5*	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	29,5*	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	34,5*	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	37*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

+ = sommare corsa / plus stroke length
*** = aggiungere / add 10mm per corse / for strokes 40, 50**
**** = aggiungere / add 5mm per corse / for strokes 15, 20, 25**

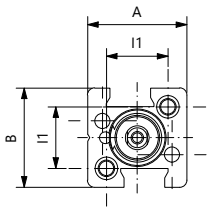
CILINDRI CORSA BREVE Ø12-100
SHORT STROKE CYLINDERS Ø12-100

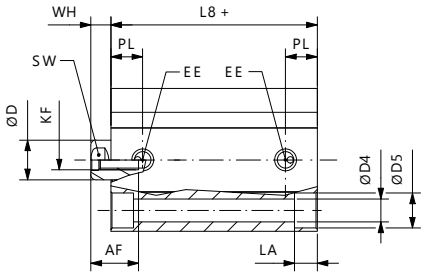
SEMPLICE EFFETTO MOLLA ANTERIORE MAGNETICO
SINGLE ACTING FRONT SPRING MAGNETIC

BASA0MN

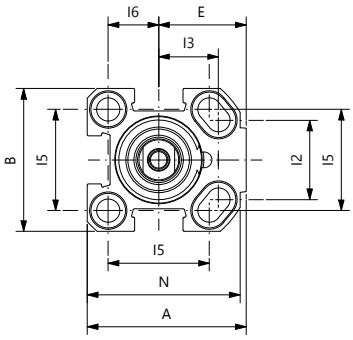


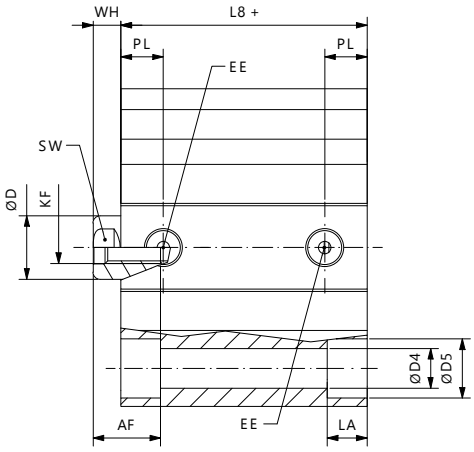
Ø012



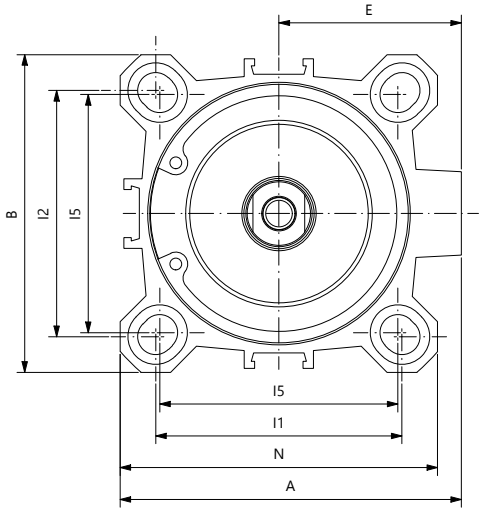


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100

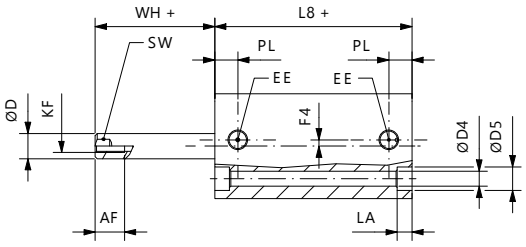


Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	27	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	-	-	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	39,5*	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	39,5*	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	39,5*	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	42*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

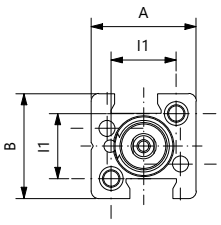
*** = aggiungere / add 6mm per corsa / for stroke 25 (Ø16 - Ø20) ; aggiungere / add 1mm per corsa / for stroke 25 (Ø25)**
*** = aggiungere / add 10mm per corse / for strokes 40, 50 (Ø32 - Ø100)**
+ = sommare corsa / *plus stroke length*

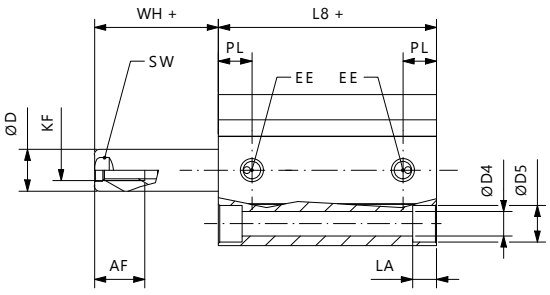
SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

BASP0NN - BASP0MN

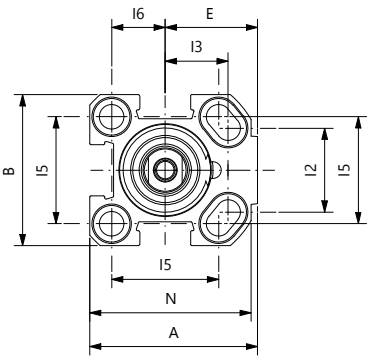


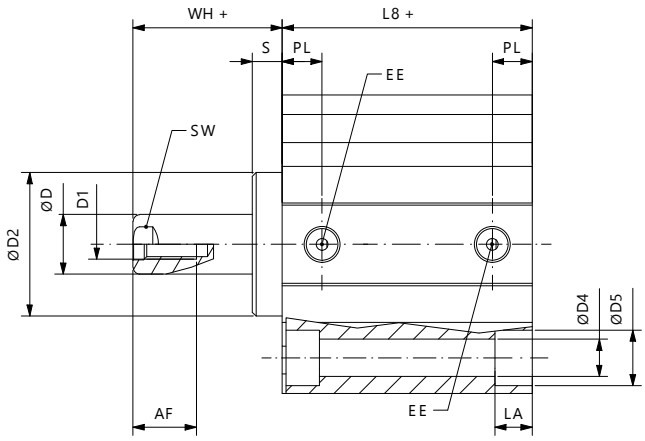
Ø012



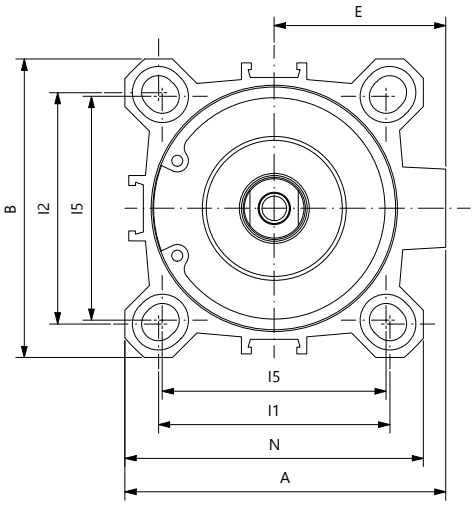


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063



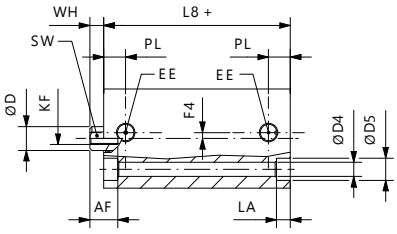
Ø	A	B	ØD	KF	ØD	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
12	25	25	6	M3	-	3,7	5,6	-	M5	**	5,5	15,5	-	-	-	-	3,5	-	-	7	-	3,5
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	11
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	12,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	13,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	15

+ = sommare corsa / *plus stroke length*
*** = aggiungere / add 11mm (Ø20), 6mm (Ø25), 5mm (Ø32) per corse / for strokes 20,25; aggiungere /add 10mm per cosa / for strokes 30 (Ø32)**
**** = non magnetico / not magnetic 17mm, magnetico / magnetic 27mm**

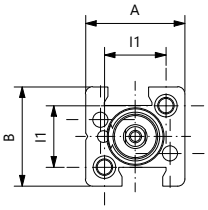
CILINDRI CORSA BREVE Ø12-100
SHORT STROKE CYLINDERS Ø12-100

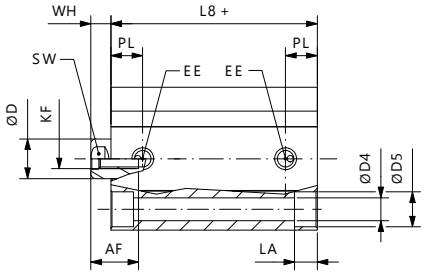
DOPPIO EFFETTO NON MAGNETICO
DOUBLE ACTING NOT MAGNETIC

BADE0NN

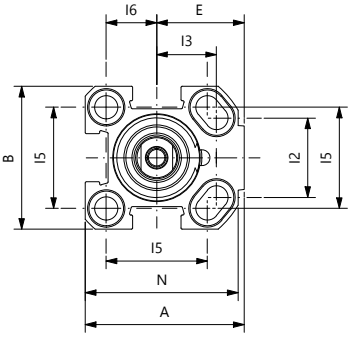


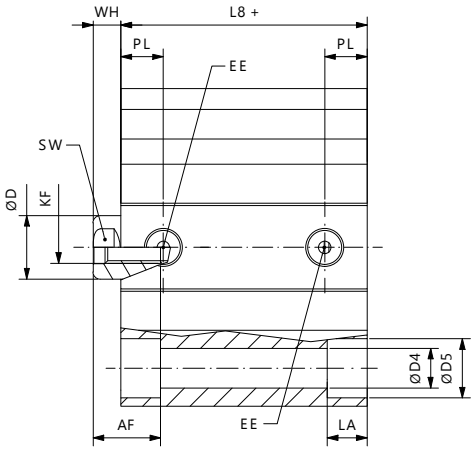
Ø012



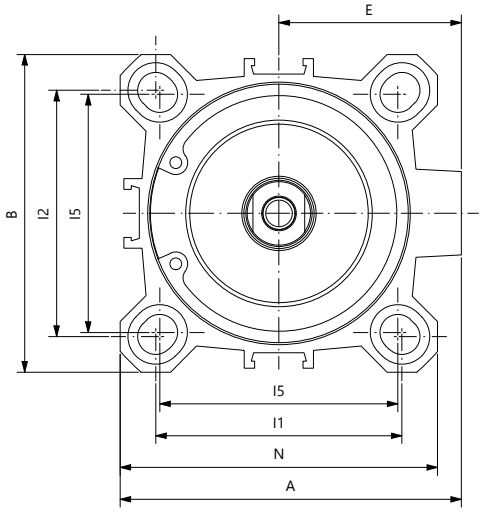


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100

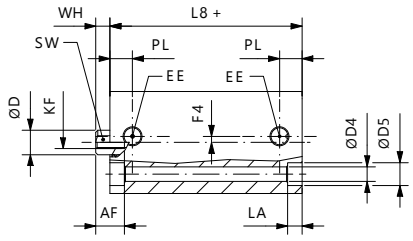


Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	17	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	rif	rif	19	M5	27*	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	27*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	28,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	29,5	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	29,5	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	34,5	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	37*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

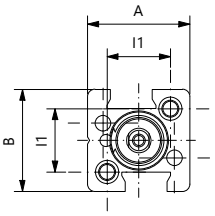
+ = sommare corsa / *plus stroke length*
**** = aggiungere / add 1mm per corse / for strokes 30, 40, 50 (Ø16 - Ø20) ; aggiungere / add 1mm per corse 40, 50 (Ø25)**

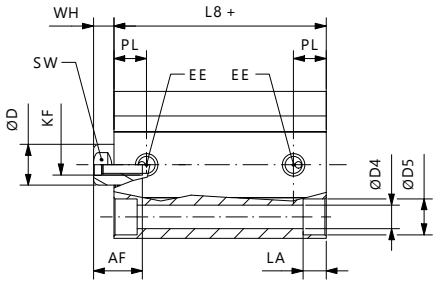
DOPPIO EFFETTO **MAGNETICO**
DOUBLE ACTING MAGNETIC

BADE0MN

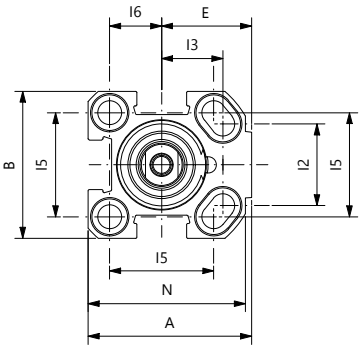


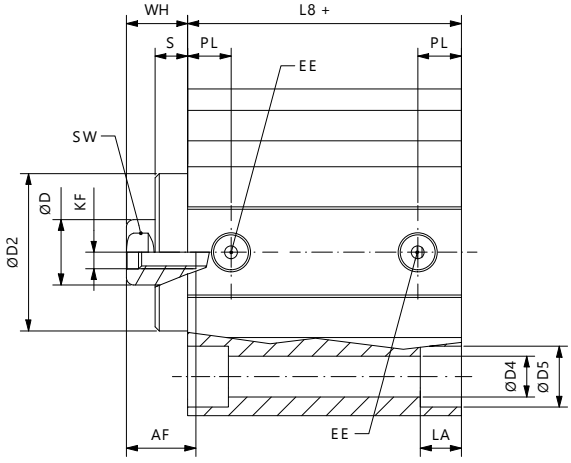
Ø012



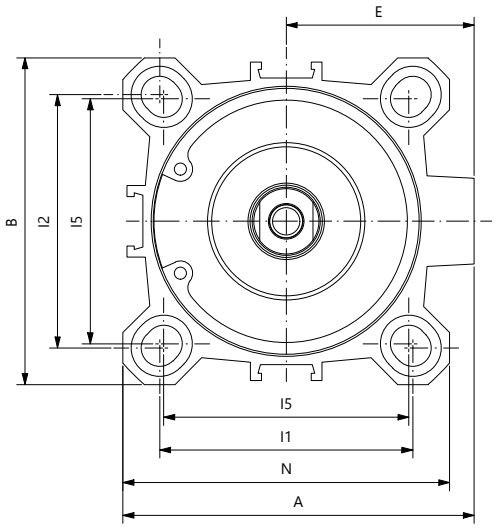


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100



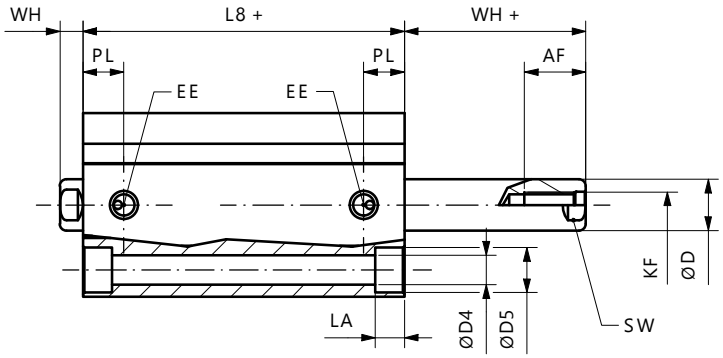
Ø	A	B	ØD	KF	ØD2	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
12	25	25	6	M3	-	3,7	5,6	-	M5	27	5,5	15,5	-	-	-	-	3,5	-	-	7	-	3,5
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	5,5
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	6,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	7,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	6,5
80	105	100	20	M10	44	9	14	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	8
100	131	124	25	M12	56	11	17,2	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	10

+ = sommare corsa / *plus stroke length*
*** = aggiungere / add 6mm per corsa / for stroke 25+ (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)**

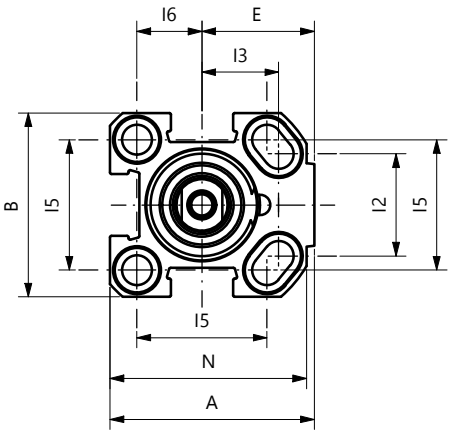
CILINDRI CORSA BREVE Ø12-100
SHORT STROKE CYLINDERS Ø12-100

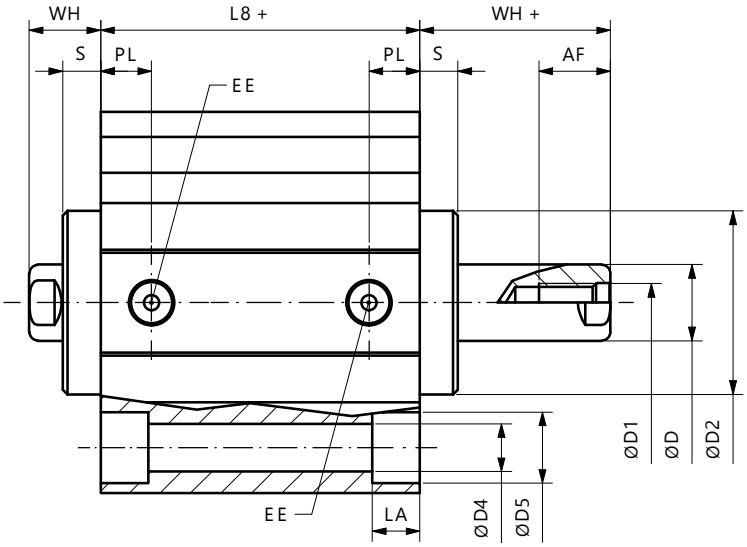
DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

BADE1NN - BADE1MN

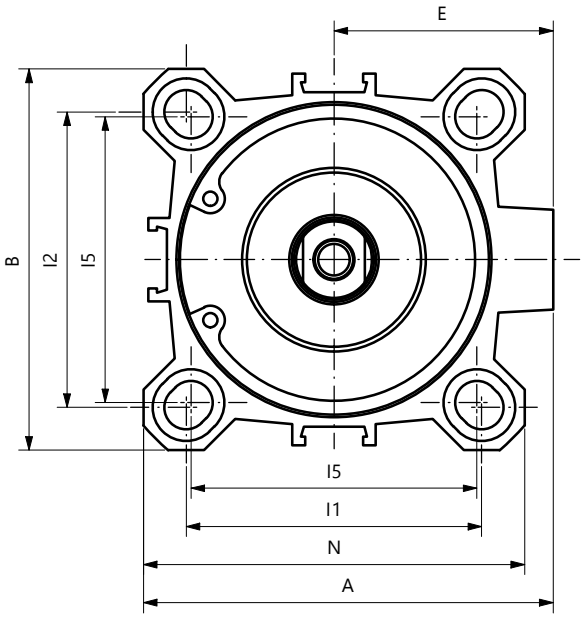


Ø016 - Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100

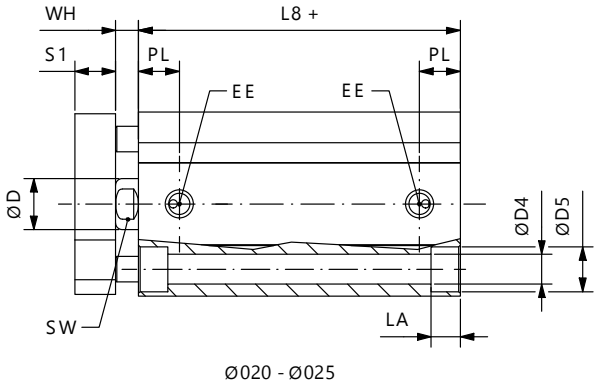


Ø	A	B	ØD	KF	ØD2	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	5,5
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	6,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	7,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	6,5
80	105	100	20	M10	44	9	14	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	8
100	131	124	25	M12	56	11	17,2	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	10

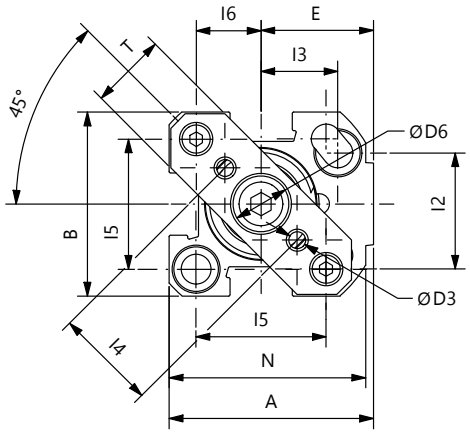
+ = sommare corsa / *plus stroke length*
*** = aggiungere / add 6mm per corsa / for stroke 25+ (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)**

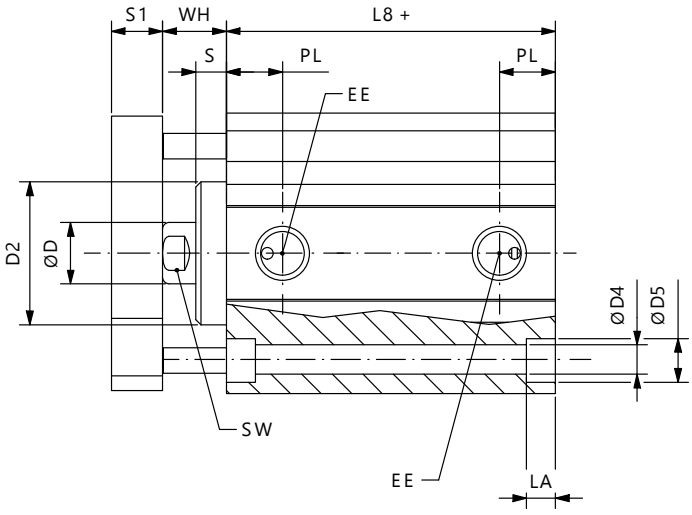
DOPPIO EFFETTO ANTIROTAZIONE
DOUBLE ACTING NOT ROTATING

BADE0N E - BADE0M E

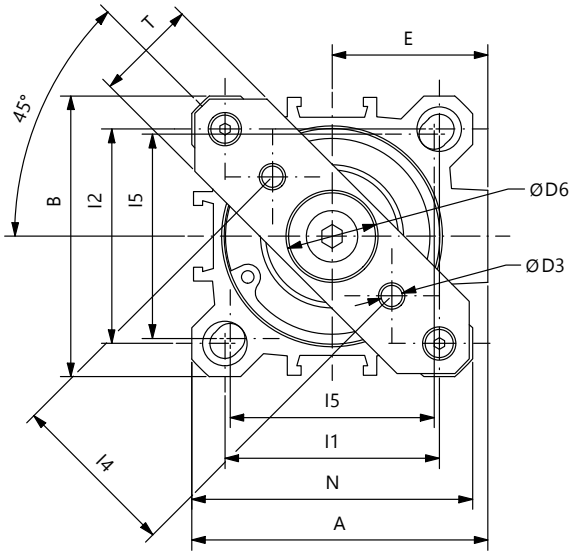


Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100



Ø	A	B	ØD	ØD2	ØD3	ØD4	ØD5	ØD6	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	S1	WH
20	40	36	10	-	M4	5,8	9	11	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	8	4,5
25	44,5	40	10	-	M4	5,8	9	11	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	8	5,5
32	51	46	12	24,5	M5	5,8	9	17	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	10	11
40	58	55	12	28	M5	5,8	9	17	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	10	12,5
50	70	65	16	34	M6	6,8	11	22	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	12	13,5
63	89	80	16	38,5	M6	9	14	22	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	12	15
80	105	100	20	44	M8	9	14	28	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	14	18
100	131	124	25	56	M10	11	17,2	30	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	14	20,5

+ = sommare corsa / *plus stroke length*
*** = aggiungere / add 6mm per corsa / for stroke 25+ (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)**

CILINDRI CARTUCCIA Ø6-16
CARTRIDGE CYLINDERS Ø6-16

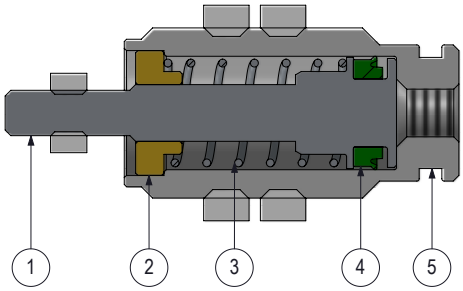
Cilindri cartuccia realizzati da Ø6 a Ø16 in versione semplice, con stelo filettato e non.

- **Corpo in ottone nichelato**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Interamente realizzabili in versione speciale a disegno**

Cartridge cylinders produced from Ø6 up to Ø16 in single acting version and with threaded or not piston rod.

- *Nickel coated brass body*
- *High and long-lasting performances thanks to PU seals*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI303** *Stainless steel AISI303*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Molla *Spring*	**Acciaio inox AISI302** *Stainless steel AISI302*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Corpo *Body*	**Ottone nichelato** *Nickel coated brass*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**Ø6 -20°C +80°C | Ø10-16 -30°C +80°C con aria secca** *Ø6 -20°C +80°C | Ø10-16 -30°C +80°C with dry air*
Pressione *Pressure*	**2-10 bar** *2-10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
TA	SA	0	T	N	010	0010
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**0** **Standard** *Standard*	**T** **Stelo filettato** *Threaded rod*	**N** **Guarnizioni std** *Standard seals*	**006** **Ø6**	**0005** **Corsa 5mm** *Stroke 5mm*
			N **Stelo non filett.** *Not threaded rod*	**H** **Guarnizioni Fkm** *Viton seals*	**010** **Ø10**	**0010** **Corsa 10mm** *Stroke 10mm*
					016 **Ø16**	**0015** **Corsa 15mm** *Stroke 15mm*

VARIANTI STANDARD / *STANDARD VARIANTS*

Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*
P020	
PXXX **P + mm** *P + mm*	**Su richiesta** *On request*

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50
6	*	*	*
10	*	*	*
16	*	*	*

FORZE TEORICHE / *THEORETICAL FORCES*

Molla anteriore *Front spring*						
Ø	5		10		15	
	F1	F2	F1	F2	F1	F2
6	1,6	3,7	1,6	3,9	1,6	3,9
10	7,4	11,5	6	12,5	6,8	12,8
16	8,4	9,5	8,4	10,7	7,4	10,7

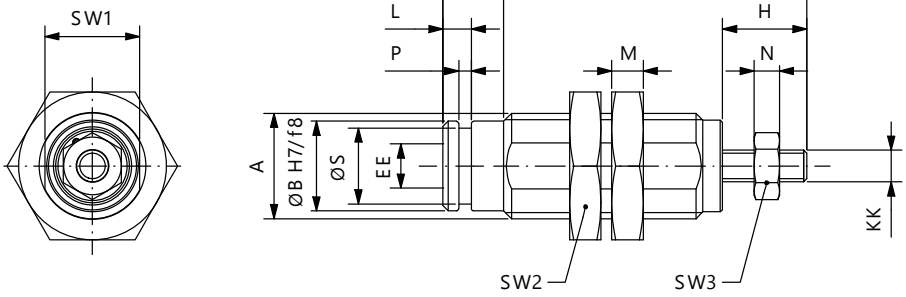
F teoriche a 6 bar *Thererical F at 6 bar*	
Ø	Forza di spinta (N) *Thrust force (N)*
6	17
10	47
16	121

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI CARTUCCIA Ø6-16
CARTRIDGE CYLINDERS Ø6-16

SEMPLICE EFFETTO MOLLA ANTERIORE STELO FILETTATO
SINGLE ACTING FRONT SPRING THREADED PISTON ROD

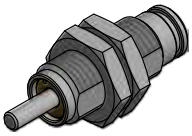
TASA0T

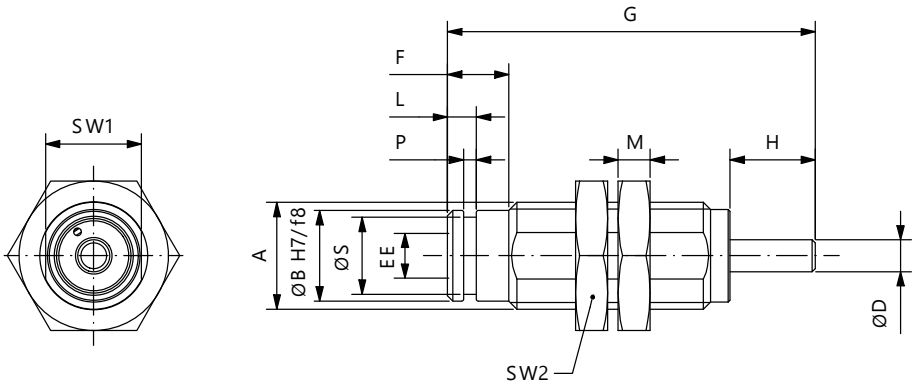


Ø	A	ØB	ØS	P	L	EE	KK	SW1	F	G 05	G 10	G 15	H	M	SW2	N	SW3
6	M10X1	8,5	7,2	1,2	2,7	M5	M3	9	5	27,5	34,5	41,5	8	3	14	2,4	5,5
10	M15X1,5	12	9,8	2	3,5	M5	M4	14	7	33,5	40	47	10,5	4	19	3,2	7
16	M22X1,5	19	16,8	2	4	M5	M5	20	6	40	45	50	13	5	27	4	8

SEMPLICE EFFETTO MOLLA ANTERIORE STELO LISCIO
SINGLE ACTING FRONT SPRING NOT THREADED PISTON ROD

TASA0N





Ø	A	ØB	ØS	P	L	EE	KK	SW1	F	G 05	G 10	G 15	H	M	SW2
6	M10X1	8,5	7,2	1,2	2,7	M5	3	9	5	27,5	34,5	41,5	8	3	14
10	M15X1,5	12	9,8	2	3,5	M5	5	14	7	33,5	40	47	10,5	4	19
16	M22X1,5	19	16,8	2	4	M5	5	20	6	40	45	50	13	5	27

MICROCILINDRI ISO6432 INOX Ø12-25
ISO6432 STAINLESS STEEL CYLINDERS Ø12-25

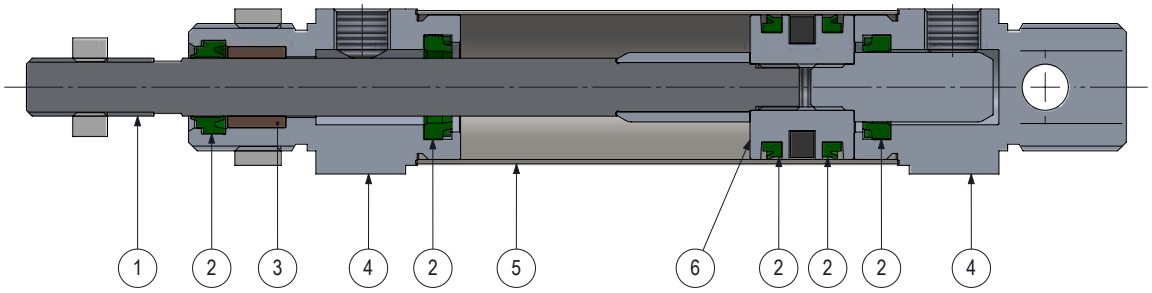
Cilindri inox realizzati secondo norma ISO6432 disponibili da Ø12 a Ø25 in version doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- ***Interamente realizzati in acciaio inox***
- ***Guarnizioni in PU per alte performance e lunga durata***
- ***Disponibili secondo diverse varianti costruttive***
- ***Interamente realizzabili in versione speciale a disegno***

Stainless steel cylinders produced according to ISO6432 norm available from Ø12 up to Ø25 in double acting, magnetic or not, in cushioned or not version and with standard or through piston rod.

- *Entirely made in stainless steel*
- *High and long-lasting performances thanks to PU seals*
- *Available according to several construction variants*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI316** *Stainless steel AISI316*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Acciaio inox AISI304** *Stainless steel AISI304*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Ø12 Ottone Ø16-25 Alluminio** *Ø12 Brass Ø16-25 Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
MI	DE	0	M	N	020	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**012** **Ø12**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**016** **Ø16**	
					020 **Ø20**	
					025 **Ø25**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	P020		T
HR **Stelo Viton** *Viton rod seal*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

MICROCILINDRI ISO6432 INOX Ø12-25
ISO6432 STAINLESS STEEL CYLINDERS Ø12-25

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
12	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*

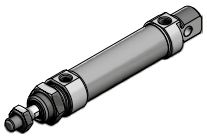
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

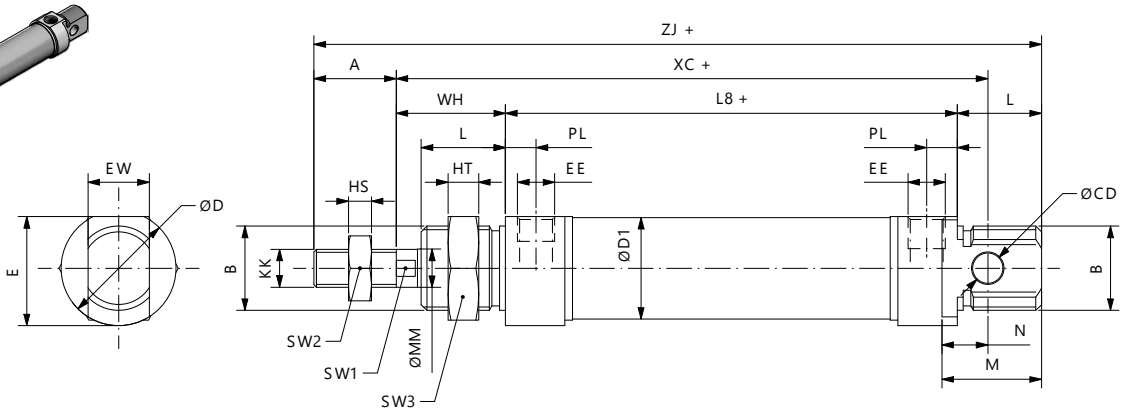
FORZE TEORICHE / *THEORETICAL FORCES*

F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
12	68	51
16	121	104
20	189	158
25	295	247

DOPPIO EFFETTO
DOUBLE ACTING

MIDE0NN - MIDE0MN



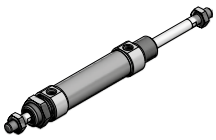


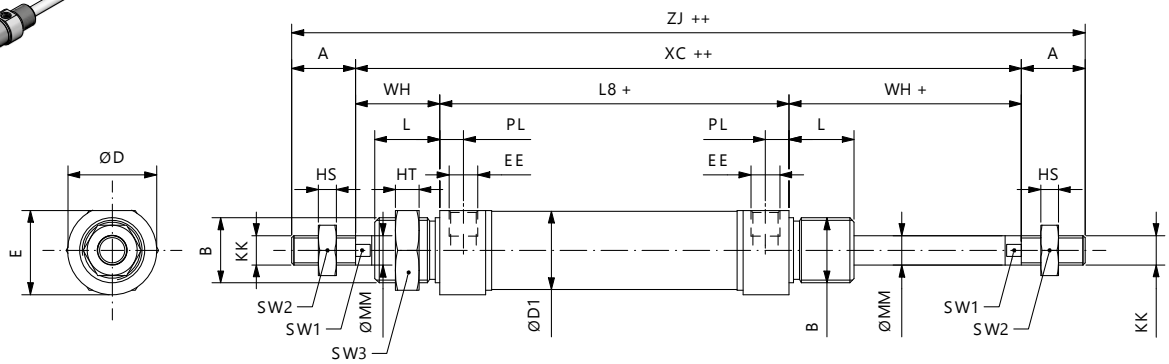
Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	22	5	M5	13,27	48	75	104	9	6	12	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	20	4.5	M5	17,27	53	82	109	9	6	12	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	67	95	131	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	68	104	140	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

MIDE1NN - MIDE1MN





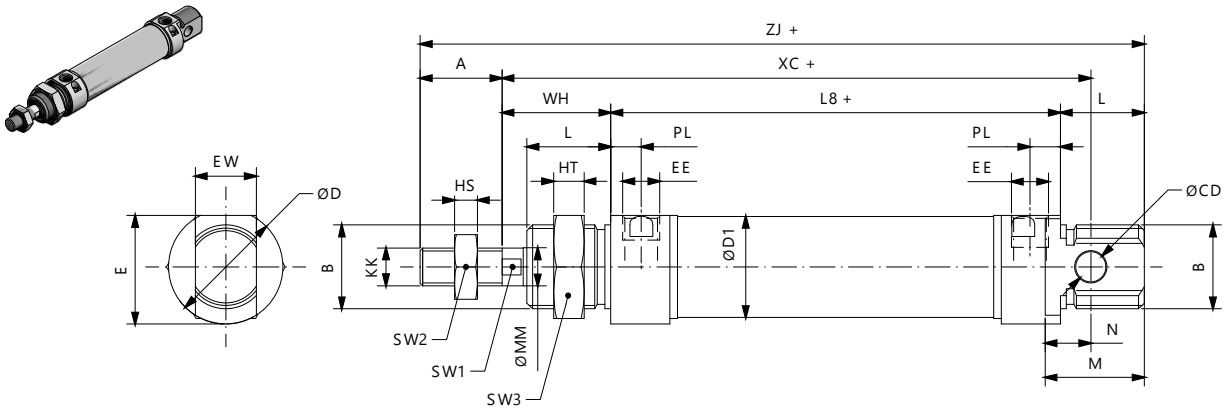
Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	PL	EE	ØD1	L8	XC	ZJ	ØD	E
8	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	5	M5	9,27	46	78	102	16	15
10	M12x1.25	M4x0.7	-	12	16	4	12	3,2	6	7	19	5	M5	11,27	46	78	102	16	15
12	M16x1.5	M6x1	5	16	22	6	18	4	5	10	22	5	M5	13,27	48	92	124	19	18
16	M16x1.5	M6x1	5	16	22	6	18	4	5	10	20	4.5	M5	17,27	53	97	129	19	18
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	28	8	1/8 G	21,27	67	115	155	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	26	8	1/8 G	26,5	68	124	168	30	28,5

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

MICROCILINDRI ISO6432 INOX Ø12-25
ISO6432 STAINLESS STEEL CYLINDERS Ø12-25

DOPPIO EFFETTO AMMORTIZZATO
DOUBLE ACTING CUSHIONED

MIDE0NA - MIDE0MA

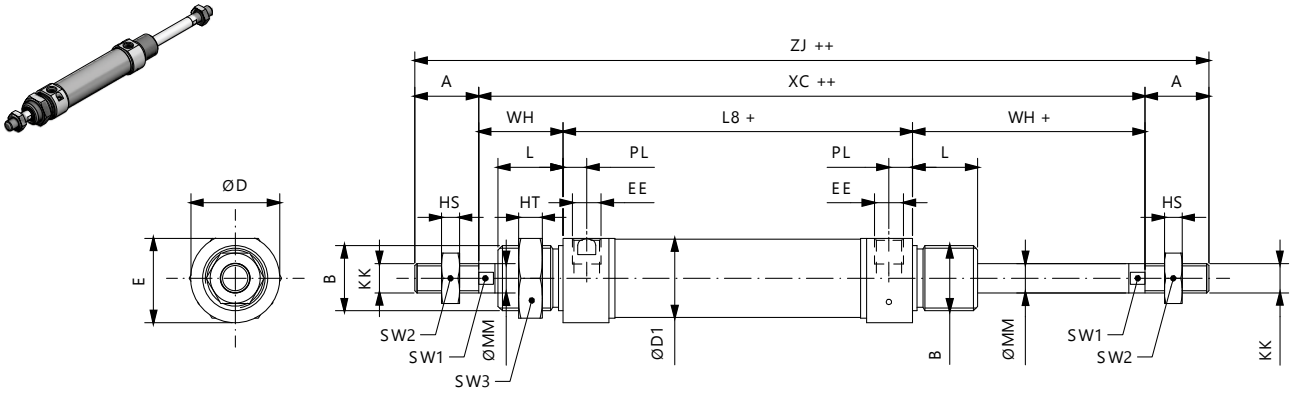


Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	M	PL	EE	ØD1	L8	XC	ZJ	N	ØCD	EW	ØD	E
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	28	8	1/8 G	21,27	67	95	131	12	8	16	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	26	8	1/8 G	26,5	68	104	140	12	8	16	30	28,5

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO AMMORTIZZATO PASSANTE
DOUBLE ACTING CUSHIONED THROUGH ROD

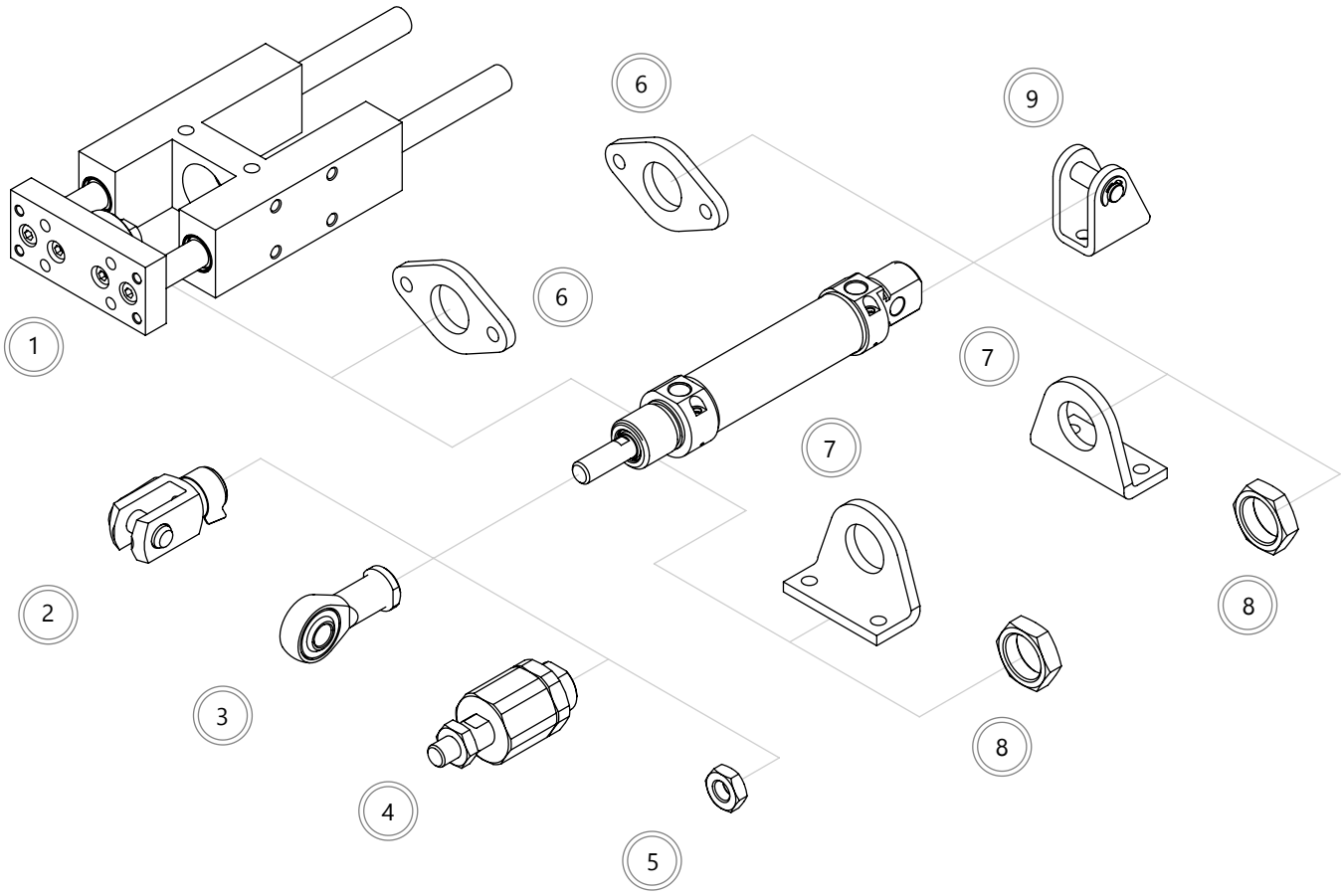
MIDE1NA - MIDE1MA



Ø	B	KK	SW1	A	WH	ØMM	L	HS	HT	SW2	SW3	PL	EE	ØD1	L8	XC	ZJ	ØD	E
20	M22x1.5	M8x1.25	7	20	24	8	20	5	8	13	27	8	1/8 G	21,27	67	115	155	27	25,5
25	M22x1.5	M10x1.25	9	22	28	10	22	6	8	17	27	8	1/8 G	26,5	68	124	168	30	28,5

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Unità di guida** *Guide unit*	**200 - 202**	**-**
2	**Forcella** *Clevis*	**157**	**185**
3	**Testa a snodo** *Rod end*	**158**	**185**
4	**Giunto autoallineante** *Self-aligning joint*	**158**	**-**
5	**Dado stelo** *Piston rod nut*	**159**	**186**
6	**Flangia MF8** *Flange MF8*	**162**	**188**
7	**Piedino MS3** *Foot MS3*	**163**	**189**
8	**Dado testata** *Cover nut*	**159**	**186**
9	**Cerniera femmina MP3** *Female hinge MP3*	**163**	**189**

MICROCILINDRI ISO6432 INOX Ø12-25
ISO6432 STAINLESS STEEL CYLINDERS Ø12-25

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*
Dado testata / *Cover nut*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	Barra stelo in AISI316 *AISI316 piston rod bar*	Ø
16	V30BRT0506000	6
20	V30BRT0508000	8
25	V30BRT0510000	10

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø cilindro Ø cylinder	Barra tubo in AISI304 AISI304 tube bar	
12	V30TGT0412000	Ø12XØ13,27
16	V30TGT0416000	Ø16XØ17,27
20	V30TGT0420000	Ø20XØ21,27
25	V30TGT0425000	Ø25XØ26,52

Barre lunghezza 3 metri
3 meter long bars

CILINDRI TONDI INOX Ø32-63
ROUND STAINLESS STEEL CYLINDERS Ø32-63

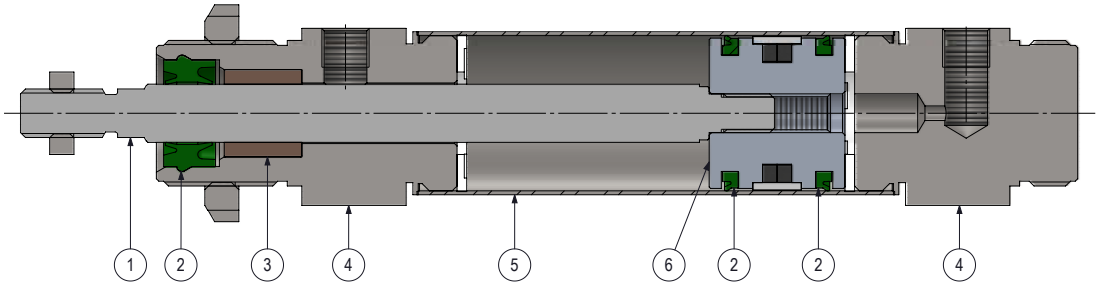
Cilindri tondi inox intercambiabili ai principali produttori disponibili da Ø32 a Ø63 in versione semplice e doppio effetto, magnetico e non e con stelo standard o passante.

- **Altamente resistenti grazie a chiusura tramite cianfrinatura**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Interamente realizzabili in versione speciale a disegno**

Round stainless steel cylinders alternative to the major competitors' products available from Ø32 up to Ø63, in single or double acting, magnetic or not and with standard or through rod.

- *High resistance thanks to crimping closure*
- *High and long-lasting performances thanks to PU seals*
- *Available in special version according to customer's drawing*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI316** *Stainless steel AISI316*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Acciaio inox AISI304** *Stainless steel AISI304*
Tubo *Tube*	**Acciaio inox AISI304** *Stainless steel AISI304*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-35°C +80°C con aria secca** *-35°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
EI	DE	0	M	N	050	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**N** **Non ammortizz.** *Not cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*		**040** **Ø40**	
					050 **Ø50**	
					063 **Ø63**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	P020		T
HR **Stelo Viton** *Viton rod seal*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI TONDI INOX Ø32-63
ROUND STAINLESS STEEL CYLINDERS Ø32-63

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*

Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

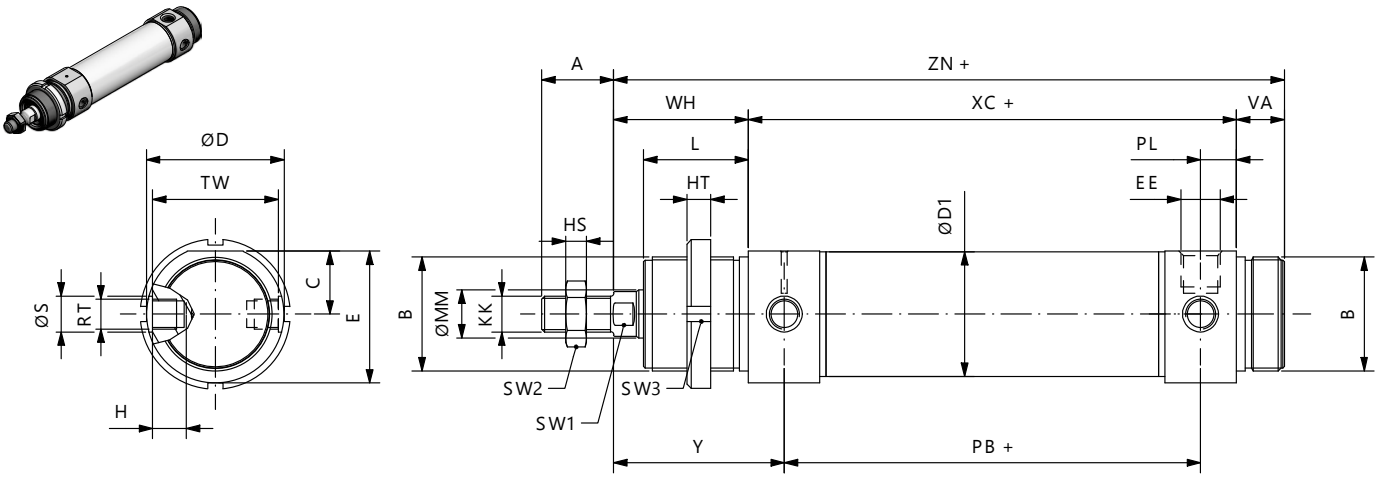
FORZE TEORICHE / *THEORETICAL FORCES*

F teoriche a 6 bar *Therefrical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681

Forze delle molle per la versione semplice effetto disponbili su richiesta
Spring forces for single acting version available on request and on price list

DOPPIO EFFETTO
DOUBLE ACTING

EIDE0NN - EIDE0MN

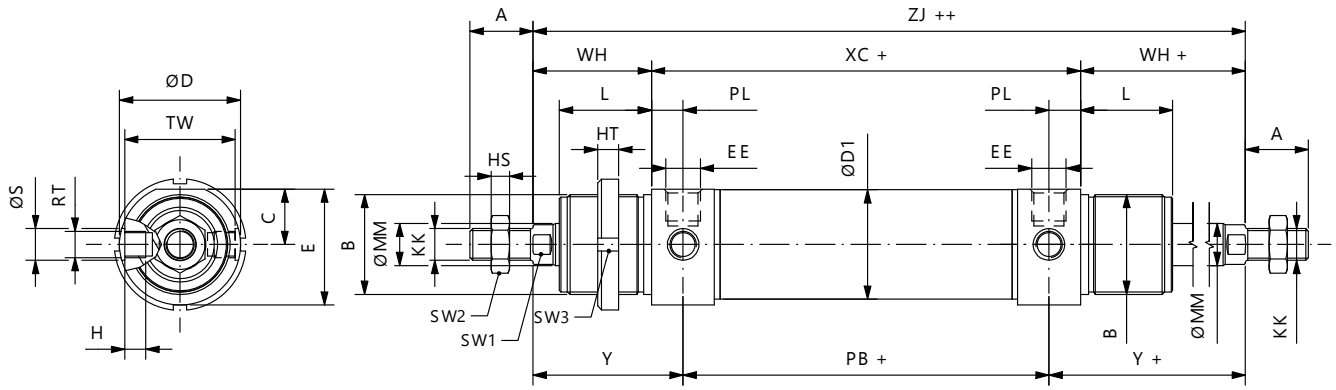


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	VA	WH	Y	ZN	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	14	38	47	148	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	16	45	57	174	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	18	50	62	188	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	18	50	63	192	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
Ghiera non compresa nella fornitura / *Cover nut not included*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

EIDE1NN - EIDE1MN

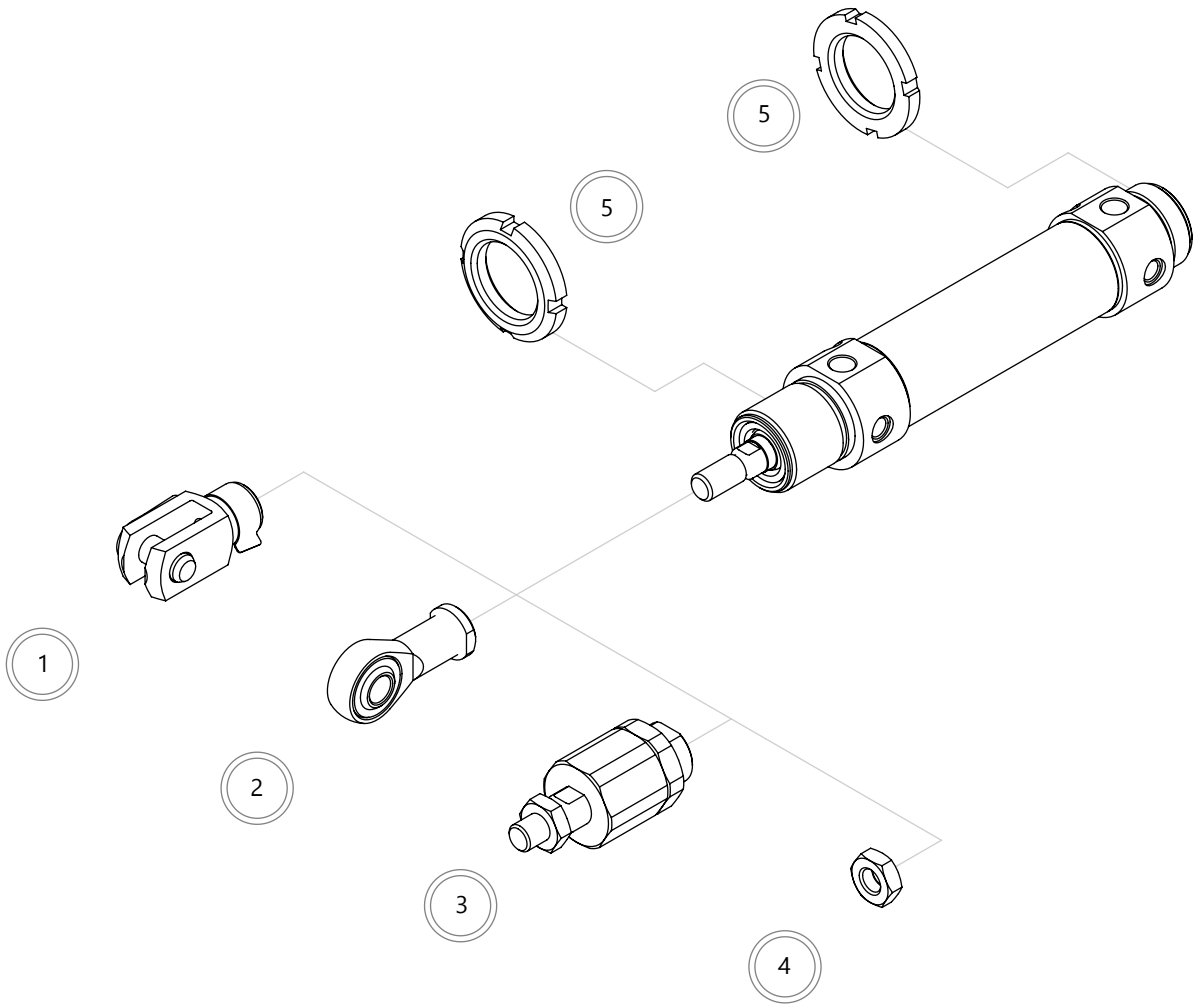


Ø	E	ØD	A	B	L	EE	KK	TW	H	ØS	RT	ØMM	PB	WH	Y	ZJ	ØD1	PL	XC	SW1	SW2	SW3	HS	HT
32	36,5	38	20	M30X1,5	30	1/8G	M10X1,5	35	6,5	10	M8X1	12	78	38	47	172	33,6	9	96	10	17	40	6	7
40	44	46	24	M38X1,5	35	1/4G	M12X1,75	42	8	12	M10X1	16	89	45	57	203	41,6	12	113	13	19	46	7	8
50	55	57	32	M45X1,5	38	1/4G	M16X2	53	10	16	M12X1,5	20	96	50	62	220	52,4	12	120	17	24	52	8	9
63	67,5	70	32	M45X1,5	38	3/8G	M16X2	66	17	16	M14X1,5	20	98	50	63	224	65,4	13	124	17	24	52	8	9

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*
Ghiera non compresa nella fornitura / *Cover nut not included*

CILINDRI TONDI INOX Ø32-63
ROUND STAINLESS STEEL CYLINDERS Ø32-63

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio *Steel*	Acciaio inox *Stainless steel*
1	**Forcella** *Clevis*	**157**	**185**
2	**Testa a snodo** *Rod end*	**158**	**185**
3	**Giunto autoallineante** *Self-aligning joint*	**158**	**-**
4	**Dado stelo** *Piston rod nut*	**159**	**186**
5	**Ghiera** *Slotted nut*	**160**	**187**

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI316** *AISI316 piston rod bar*	**Ø**
32	V30BRT0512000	12
40	V30BRT0516000	16
50	V30BRT0520000	20
63	V30BRT0520000	20

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø cilindro *Ø cylinder*	**Barra tubo in AISI304** *AISI304 tube bar*	
32	V30TGT0432000	Ø32XØ33,6
40	V30TGT0440000	Ø40XØ41,6
50	V30TGT0450000	Ø50XØ52,4
63	V30TGT0463000	Ø63XØ65,4

Barre lunghezza 3 metri
3 meter long bars

CILINDRI A PROFILO PULITO INOX Ø32-63
CLEAN PROFILE CYLINDERS Ø32-63

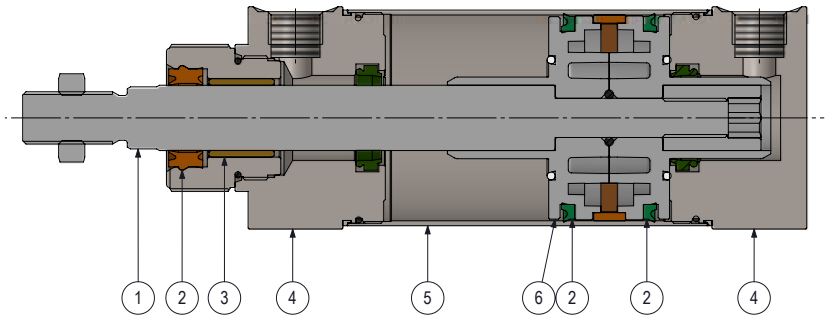
Cilindri tondi inox a profilo pulito disponibili da Ø32 a Ø63 in versione doppio effetto, ammortizzato e non, magnetico e non e con stelo standard o passante.

- **Interamente in acciaio inox AISI316**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Guarnizione stelo approvata FDA**

Round stainless steel cylinders with clean profile available from Ø32 up to Ø63, in double acting version, cushioned or not, magnetic or not and with standard or through rod.

- *Entirely made in stainless steel AISI316*
- *High and long-lasting performances thanks to PU seals*
- *FDA approved piston rod seal*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI316** *Stainless steel AISI316*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Acciaio inox AISI316** *Stainless steel AISI316*
Tubo *Tube*	**Acciaio inox AISI316** *Stainless steel AISI316*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*					Diametro *Diameter*	Corsa *Stroke*
PI	D	S	0	M	N	050	0100
D **Doppio effetto** *Double acting*	**S** **Cerniera maschio snodata MP6** *Male hinge w spherical head MP6*		**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
	M **Cerniera maschio MP4** *MP4 male hinge*		**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**040** **Ø40**	
	F **Cerniera femmina stretta AB6** *Narrow female hinge AB6*					**050** **Ø50**	
	A **Testata anteriore filettata** *Threaded front cover*					**063** **Ø63**	
	B **Entrambe le testate filettate** *Threaded covers*						
	T **Testata posteriore con fori filettati** *Threaded holes on rear cover*						
	P **Perni anteriori** *Front pivots*						
	R **Perni posteriori** *Rear pivots*						

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*
HA	P020	
HR **Stelo Viton** *Viton rod seal*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*
HA **Tutto Viton** *All Viton*		
LT **Bassa temp.** *Low temp.*		

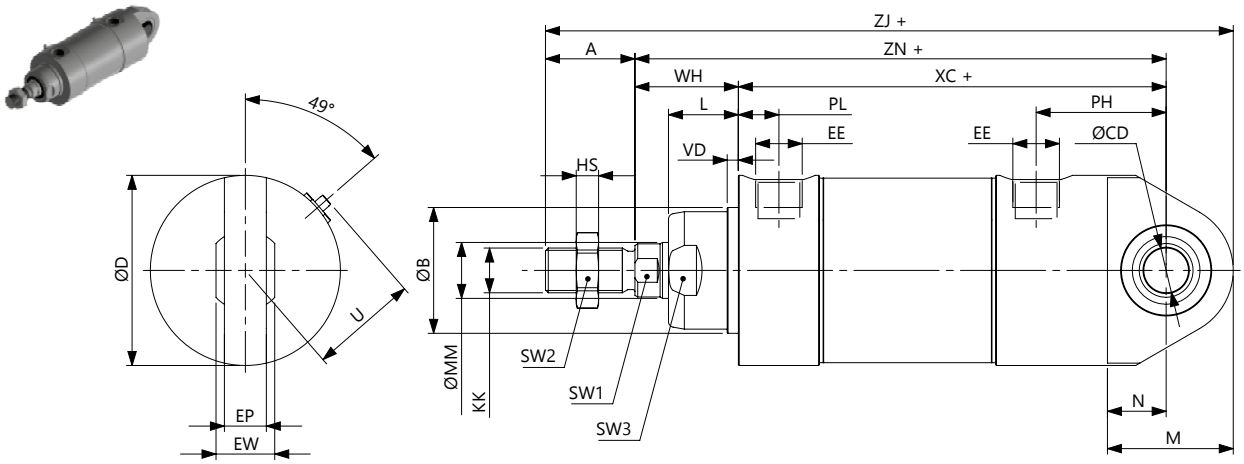
CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*

CILINDRI A PROFILO PULITO INOX Ø32-63
CLEAN PROFILE CYLINDERS Ø32-63

DOPPIO EFFETTO CON CERNIERA SNODATA MP6
DOUBLE ACTING W MP6 SPHERICAL HINGE

PIDS0MN

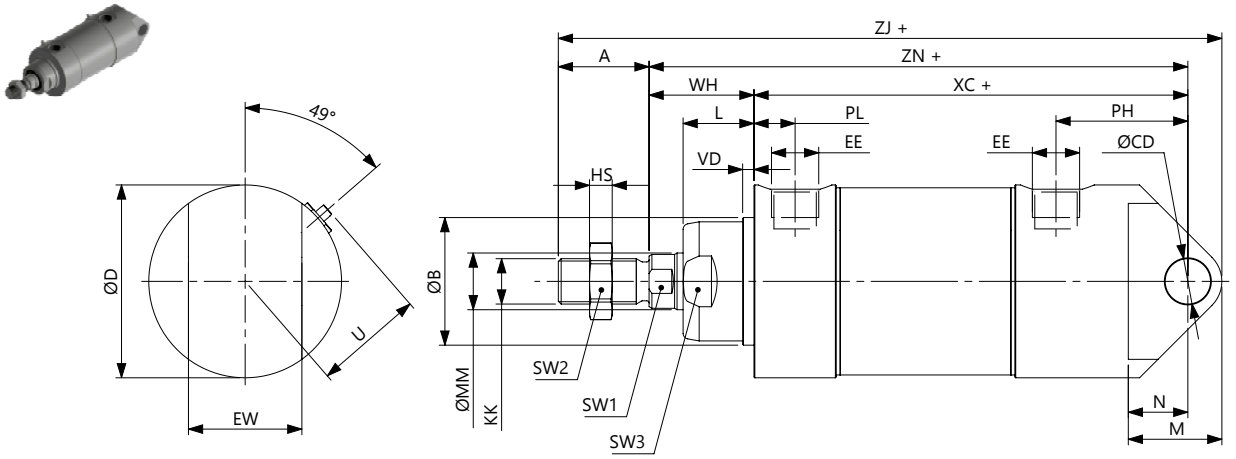


Ø	A	ØB	ØCD	ØD	EE	EP	EW	KK	ØMM	N	M	PH	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	30	10	36	1/8G	10,5	14	M10X1,25	12	13	28	32,5	10,5	20	4	26,5	26	116	142	179	10	17	29	6
40	24	35	12	45	1/4G	12,5	16	M12X1,25	16	16	35	37	12,5	22	4	31	30	130	160	203	13	19	33	7
50	32	40	12	54	1/4G	15	21	M16X1,5	20	16,5	36,5	38,5	11,5	26	4	39,5	37	133	170	222,5	17	24	38	8
63	32	45	16	68	3/8G	15	21	M16X1,5	20	21	41	46,5	14,5	25	4	38,5	37	153	190	246	17	24	42	8

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO CON CERNIERA MASCHIO MP4
DOUBLE ACTING W MP4 MALE HINGE

PIDM0MN

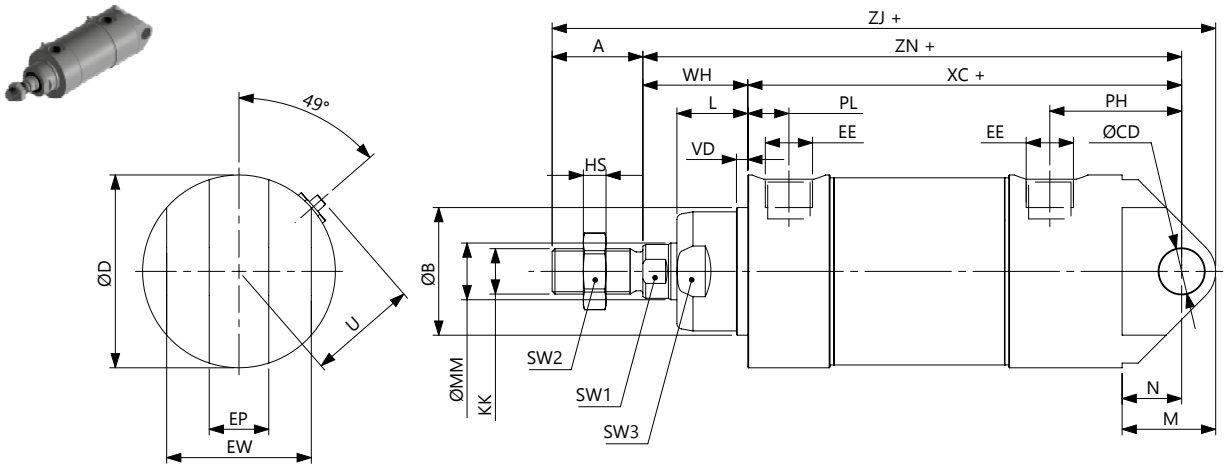


Ø	A	ØB	ØCD	ØD	EE	EW	KK	ØMM	N	M	PH	PL1	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	30	10	36	1/8G	26	M10X1,25	12	13	22	32,5	10,5	20	4	26,5	26	116	142	173	10	17	29	6
40	24	35	12	45	1/4G	28	M12X1,25	16	16	26	37	12,5	22	4	31	30	130	160	194	13	19	33	7
50	32	40	12	54	1/4G	32	M16X1,5	20	16,5	28,5	37	11,5	26	4	39,5	37	133	170	214	17	24	38	8
63	32	45	16	68	3/8G	40	M16X1,5	20	21	33	46	14,5	25	4	38,5	37	153	190	234	17	24	42	8

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO CON CERNIERA STRETTA AB6
DOUBLE ACTING W NARROW FEMALE HINGE AB6

PIDF0MN

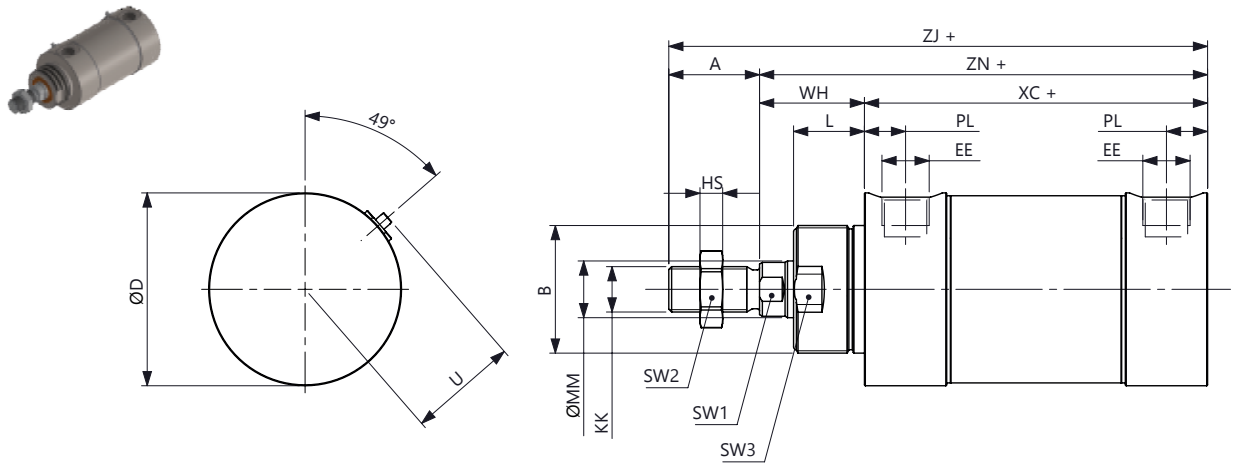


Ø	A	ØB	ØCD	ØD	EE	EP	EW	KK	ØMM	N	M	PH	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	30	10	36	1/8G	14	34	M10X1,25	12	13	22	32,5	10,5	20	4	26,5	26	116	142	173	10	17	29	6
40	24	35	12	45	1/4G	16	40	M12X1,25	16	16	26	37	12,5	22	4	31	30	130	160	194	13	19	33	7
50	32	40	12	54	1/4G	21	45	M16X1,5	20	16,5	28,5	37	11,5	26	4	39,5	37	133	170	214	17	24	38	8
63	32	45	16	68	3/8G	21	51	M16X1,5	20	21	33	46	14,5	25	4	38,5	37	153	190	234	17	24	45	8

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO CON TESTATA ANTERIORE FILETTATA
DOUBLE ACTING W THREADED FRONT COVER

PIDA0MN



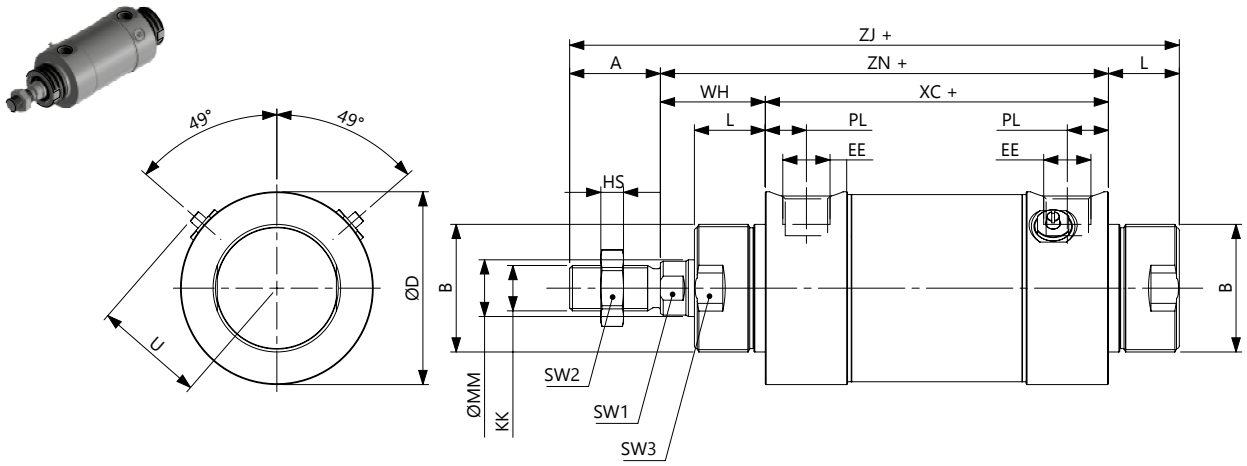
Ø	A	ØB	ØD	EE	KK	ØMM	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	M30X1,5	36	1/8G	M10X1,25	12	10,5	20	4	26,5	26	94	120	142	10	17	29	6
40	24	M38X1,5	45	1/4G	M12X1,25	16	12,5	22	4	31	30	105	35	159	13	19	33	7
50	32	M45X1,5	54	1/4G	M16X1,5	20	11,5	26	4	39,5	37	106	143	175	17	24	38	8
63	32	M45X1,5	68	3/8G	M16X1,5	20	14,5	25	4	38,5	37	121	158	190	17	24	42	8

+ = sommare corsa / *plus stroke length*

CILINDRI A PROFILO PULITO INOX Ø32-63
CLEAN PROFILE CYLINDERS Ø32-63

DOPPIO EFFETTO CON TESTATE FILETTATE
DOUBLE ACTING THREADED COVERS

PIDB0MN

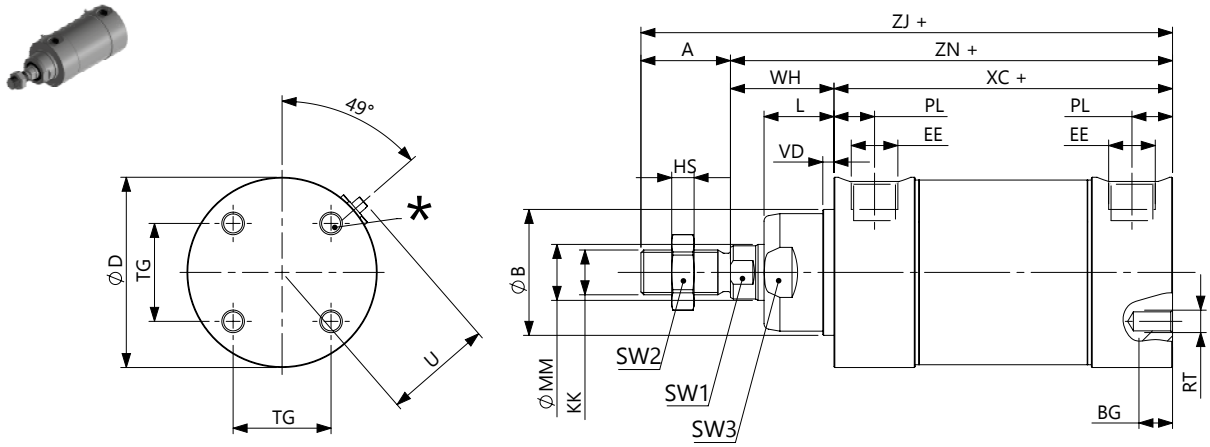


Ø	A	ØB	ØD	EE	KK	ØMM	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	M30X1,5	36	1/8G	M10X1,25	12	10,5	20	4	26,5	26	94	140	162	10	17	29	6
40	24	M38X1,5	45	1/4G	M12X1,25	16	12,5	22	4	31	30	105	157	181	13	19	33	7
50	32	M45X1,5	54	1/4G	M16X1,5	20	11,5	26	4	39,5	37	106	169	201	17	24	38	8
63	32	M45X1,5	68	3/8G	M16X1,5	20	14,5	25	4	38,5	37	121	183	215	17	24	42	8

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO CON TESTATA POSTERIORE CON FORI
DOUBLE ACTING W HOLES ON REAR COVER

PIDT0MN

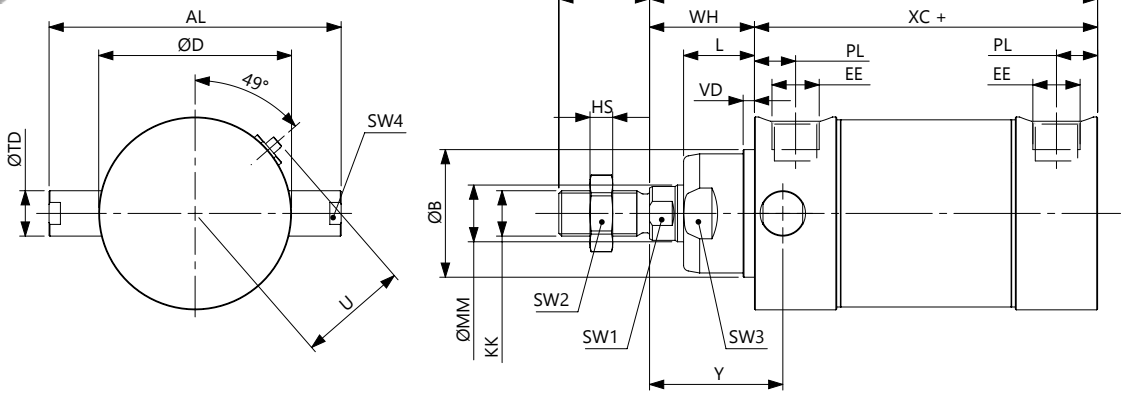


Ø	A	ØB	BG	ØD	EE	KK	ØMM	PL	RT	TG	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	30	6	36	1/8G	M10X1,25	12	10,5	M4	19	20	4	26,5	26	94	120	142	10	17	29	6
40	24	35	8	45	1/4G	M12X1,25	16	12,5	M5	24	22	4	31	30	105	135	159	13	19	33	7
50	32	40	9	54	1/4G	M16X1,5	20	11,5	M6	28	26	4	39,5	37	106	143	175	17	24	38	8
63	32	45	12	68	3/8G	M16X1,5	20	14,5	M8	35	25	4	38,5	37	121	158	190	17	24	42	8

*** Nell'alesaggio Ø63 mm foro filettato non presente** - *For bore Ø63 mm threaded hole absent*

DOPPIO EFFETTO CON PERNI ANTERIORI
DOUBLE ACTING WITH FRONT PIVOTS

PIDP0MN

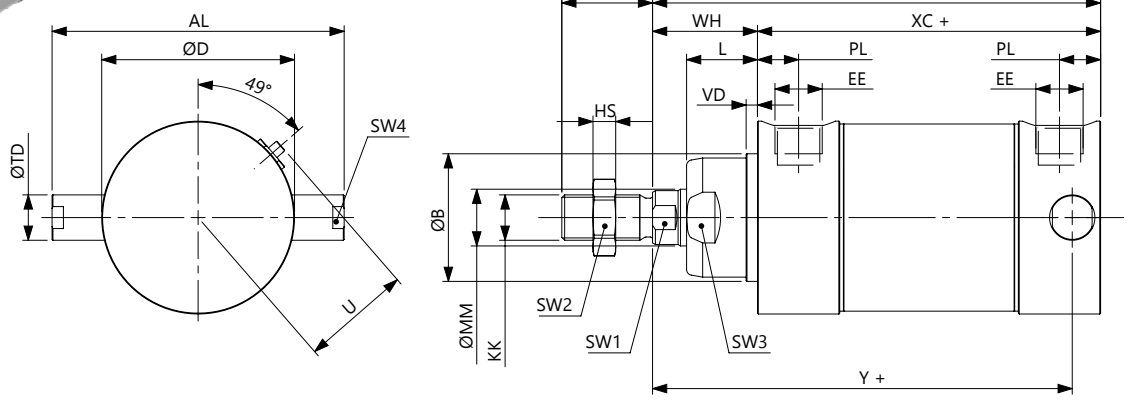


Ø	ØTD	AL	Y	A	ØB	ØD	EE	KK	ØMM	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	SW4	HS
32	12	67	39	22	30	36	1/8G	M10X1,25	12	10,5	20	4	26,5	26	94	120	142	10	17	29	10	6
40	12	76	43	24	35	45	1/4G	M12X1,25	16	12,5	22	4	31	30	105	135	159	13	19	33	10	7
50	16	89	40	32	51	54	1/4G	M16X1,5	20	11,5	26	4	39,5	37	106	153	175	17	24	38	14	8
63	16	103	47	32	47	68	3/8G	M16X1,5	20	14,5	25	4	38,5	37	121	158	190	17	24	42	14	8

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO CON PERNI POSTERIORI
DOUBLE ACTING WITH REAR PIVOTS

PIDR0MN

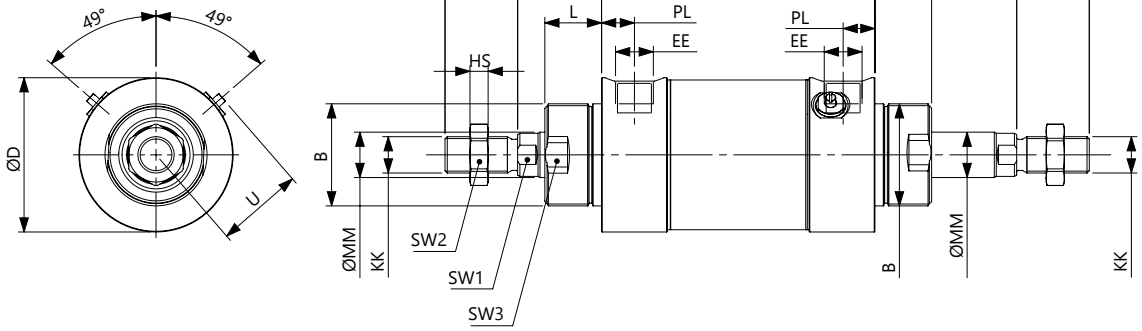


Ø	ØTD	AL	Y	A	ØB	ØD	EE	KK	ØMM	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	SW4	HS
32	12	67	110	22	30	36	1/8G	M10X1,25	12	10,5	20	4	26,5	26	94	120	142	10	17	29	10	6
40	12	76	122	24	35	45	1/4G	M12X1,25	16	12,5	22	4	31	30	105	135	159	13	19	33	10	7
50	16	89	129	32	40	54	1/4G	M16X1,5	20	11,5	26	4	39,5	37	106	153	175	17	24	38	14	8
63	16	103	148	32	45	68	3/8G	M16X1,5	20	14,5	25	4	38,5	37	121	158	190	17	24	42	14	8

+ = sommare corsa / *plus stroke length*

CILINDRI A PROFILO PULITO INOX Ø32-63
CLEAN PROFILE CYLINDERS Ø32-63

DOPPIO EFFETTO STELO PASSANTE
DOUBLE ACTING WITH THROUGH ROD



Ø	A	B	ØD	EE	KK	ØMM	PL	L	VD	U	WH	XC	ZN	ZJ	SW1	SW2	SW3	HS
32	22	M30X1,5	36	1/8G	M10X1,25	12	10,5	20	4	26,5	26	94	120	190	10	17	29	6
40	24	M38X1,5	45	1/4G	M12X1,25	16	12,5	22	4	31	30	105	135	213	13	19	33	7
50	32	M45X1,5	54	1/4G	M16X1,5	20	11,5	26	4	39,5	37	106	143	244	17	24	38	8
63	32	M45X1,5	68	3/8G	M16X1,5	20	14,5	25	4	38,5	37	121	158	259	17	24	42	8

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

CILINDRI ISO15552 INOX Ø32-200
ISO15552 STAINLESS STEEL CYLINDERS Ø32-200

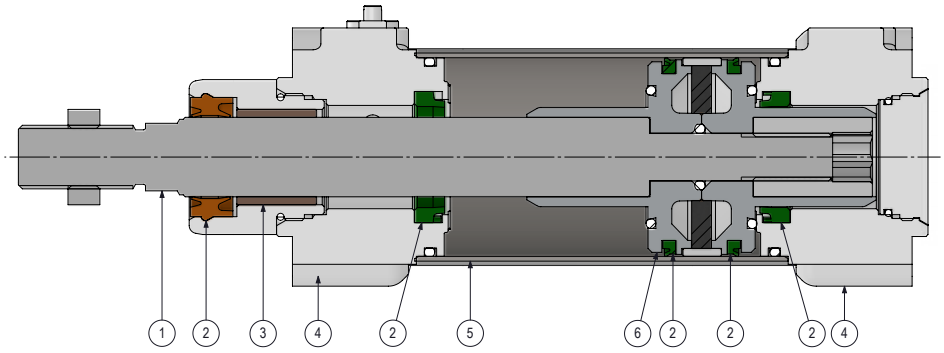
Cilindri INOX realizzati secondo norma ISO15552 disponibili da Ø32 a Ø200 in versione doppio effetto, magnetico e non, ammortizzato e non, e con stelo standard o passante.

- **Interamente realizzati in acciaio inox**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**
- **Guarnizione stelo approvata FDA**

Stainless steel cylinders produced according to ISO15552 norm from Ø32 up to Ø200 in double acting version, magnetic or not, cushioned or not and with standard or through piston rod.

- *Entirely made of stainlee steel*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*
- *FDA approved piston rod seal*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI316** *Stainless steel AISI316*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Testate *Covers*	**Acciaio inox AISI316** *Stainless steel AISI316*
Tubo *Tube*	**Acciaio inox AISI316** *Stainless steel AISI316*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
S6	**DE**	**0**	**M**	**A**	**080**	**0100**
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**A** **Ammortizzato** *Cushioned*	**032** **Ø32**	**XXXX** **corsa** *stroke*
		1 **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**N** **Non ammortizz.** *Not cushioned*	**...**	
					200 **Ø200**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
E8	**P020**		**T**
HR **Stelo Viton** *Viton rod seal*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*			
E8 **Raschiastelo duro** *Hard plastic scraper*			
P5 **Guarnizione P5600** *P5600 rod seal*			

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI ISO15552 INOX Ø32-200
ISO15552 STAINLESS STEEL CYLINDERS Ø32-200

CORSE STANDARD / *STANDARD STROKES*

Ø	10	25	50	80	100	125	160	200	250	320	400	500
32	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*
125	*	*	*	*	*	*	*	*	*	*	*	*
160	*	*	*	*	*	*	*	*	*	*	*	*
200	*	*	*	*	*	*	*	*	*	*	*	*

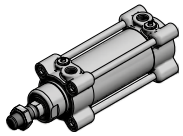
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

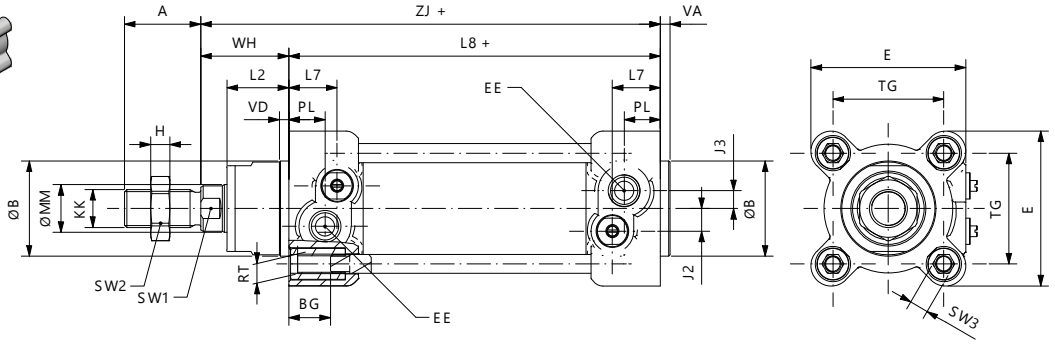
FORZE TEORICHE / *THEORETICAL FORCES*

	F teoriche a 6 bar *Thererical F at 6 bar*	
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416
125	7359	6877
160	12058	11304
200	18840	18086

DOPPIO EFFETTO
DOUBLE ACTING

S6DE0MN - S6DE0MA - S6DE0NN - S6DE0NA



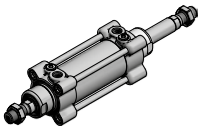


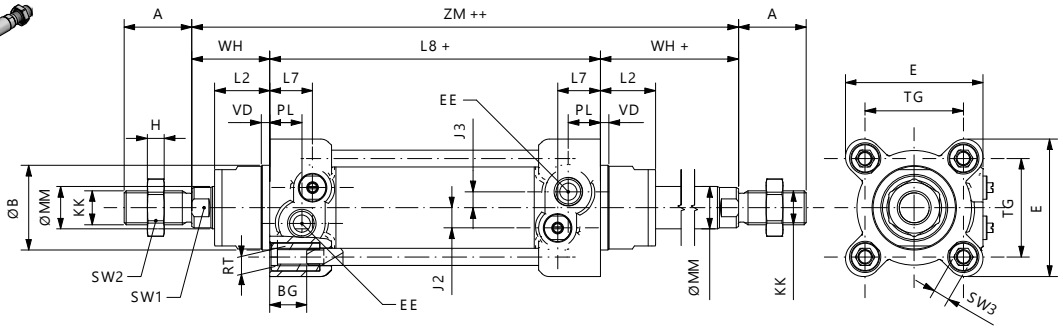
Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	J2	J3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	L7	ZJ
32	12	M10x1,25	22	30	4	4	20	M6	15	6	5	6	17	32,5	1/8G	10	26	94	47	10	6	17,5	120
40	16	M12x1,25	24	35	4	4	22	M6	15	7,5	5	7	19	38	1/4G	15	30	105	52	13	6	21,5	135
50	20	M16x1,5	32	40	4	4	26	M8	16	9,5	7,5	8	24	46,5	1/4G	15	37	106	65	17	8	20	143
63	20	M16x1,5	32	45	4	4	25	M8	16	13,5	4	8	24	56,5	3/8G	16	37	121	75	17	8	20	158
80	25	M20x1,5	40	45	4	4	32	M10	17	13,5	6	9	30	72	3/8G	20	46	128	95	22	10	27	174
100	25	M20x1,5	40	55	4	4	38	M10	17	15	6	9	30	89	1/2G	23,5	51	138	115	22	10	28,5	189
125	32	M27x2	54	60	5	5	40	M12	21	17	8	12	41	110	1/2G	23,5	65	160	140	27	12	31,5	225
160	40	M36x2	72	65	8	6	50	M16	23	17	15	14	55	140	3/4G	27,5	80	180	180	36	-	33	260
200	40	M36x2	72	75	8	8	65	M16	23	17	15	14	55	175	3/4G	27	95	180	220	36	-	35	275

+ = sommare corsa / *plus stroke length*

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD

S6DE1MN - S6DE1MA - S6DE1NN - S6DE1NA

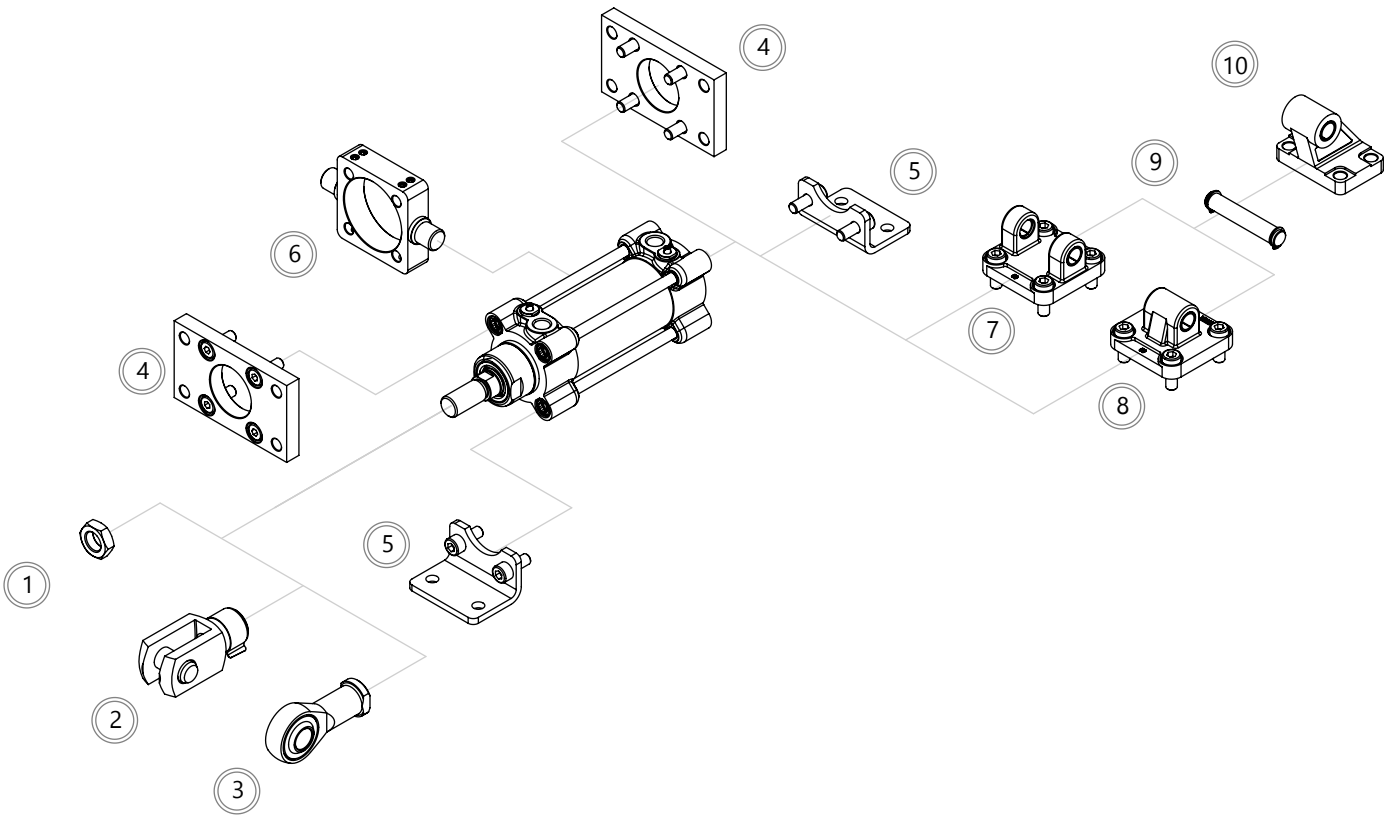




Ø	ØMM	KK	A	ØB	VD	VA	L2	RT	BG	J2	J3	H	SW2	TG	EE	PL	WH	L8	E	SW1	SW3	L7	ZM
32	12	M10x1,25	22	30	4	4	20	M6	15	6	5	6	17	32,5	1/8G	10	26	94	47	10	6	17,5	146
40	16	M12x1,25	24	35	4	4	22	M6	15	7,5	5	7	19	38	1/4G	15	30	105	52	13	6	21,5	165
50	20	M16x1,5	32	40	4	4	26	M8	16	9,5	7,5	8	24	46,5	1/4G	15	37	106	65	17	8	20	180
63	20	M16x1,5	32	45	4	4	25	M8	16	13,5	4	8	24	56,5	3/8G	16	37	121	75	17	8	20	195
80	25	M20x1,5	40	45	4	4	32	M10	17	13,5	6	9	30	72	3/8G	20	46	128	95	22	10	27	220
100	25	M20x1,5	40	55	4	4	38	M10	17	15	6	9	30	89	1/2G	23,5	51	138	115	22	10	28,5	240
125	32	M27x2	54	60	5	5	40	M12	21	17	8	12	41	110	1/2G	23,5	65	160	140	27	12	31,5	290
160	40	M36x2	72	65	8	6	50	M16	23	17	15	14	55	140	3/4G	27,5	80	180	180	36	-	33	340
200	40	M36x2	72	75	8	8	65	M16	23	17	15	14	55	175	3/4G	27	95	180		36	-	35	370

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

ACCESSORI DI FISSAGGIO
FIXING ACCESSORIES



	Descrizione *Description*	Acciaio inox *Stainless steel*
1	**Dado stelo** *Piston rod nut*	**186**
2	**Forcella** *Clevis*	**185**
3	**Testa a snodo** *Rod end*	**185**
4	**Flangia MF1-MF2** *Flange MF1-MF2*	**195**
5	**Piedino basso MS1** *Low rise pedestral MS1*	**195**
6	**Cerniera intermedia per cilindri tirantati MT4** *Intermediate hinge for tie rods cylinders MT4*	**196**
7	**Cerniera femmina MP2** *Female hinge MP2*	**191**
8	**Cerniera maschio MP4** *Male hinge MP4*	**191**
9	**Perno ISO AA4** *ISO Pin AA4*	**192**
10	**Articolazione a squadra AB7** *Square join AB7*	**192**

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Dado stelo / *Piston rod nut*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	**Barra stelo in AISI316** *Piston rod bar in AISI316*	**Ø**
32	V30BRT0512000	12
40	V30BRT0516000	16
50	V30BRT0520000	20
63	V30BRT0520000	20
80	V30BRT0525000	25
100	V30BRT0525000	25
125	V30BRT0532000	32
160	V30BRT0540000	40
200	V30BRT0540000	40

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	**Barra tubo tondo acciaio inox** *Stainless steel round tube bar*	
32	V30TGT0532000	Ø32X34
40	V30TGT0540000	Ø40X42
50	V30TGT0550000	Ø50X53
63	V30TGT0563000	Ø63X66
80	V30TGT0580000	Ø80X84
100	V30TGT05A0000	Ø100X104
125	V30TGT05C5000	Ø125X133
160	V30TGT05G0000	Ø160X170
200	V30TGT05L0000	Ø200X213

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura / corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

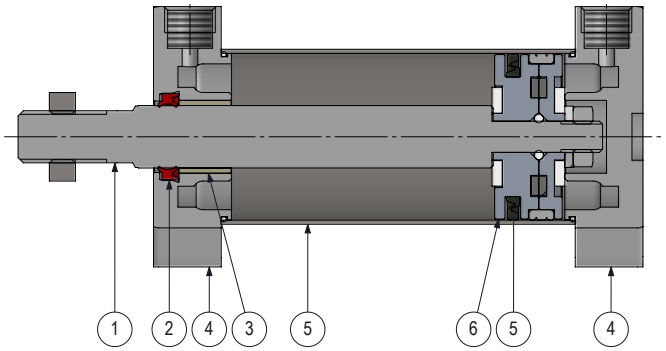
Cilindri compatti INOX ISO21287 disponibili da Ø25 a Ø100 in versione semplice e doppio effetto, magnetico e non, e con stelo standard o passante.

- **Interamente realizzati in acciaio inox**
- **Guarnizioni in PU per alte performance e lunga durata**
- **Pistone in alluminio con pattino di guida in PTFE**

ISO21287 stainless steel compact cylinders produced from Ø25 up to Ø100 in single and double acting version, magnetic or not, and with standard or through piston rod.

- *Entirely made in stainless steel*
- *High and long-lasting performances thanks to PU seals*
- *Aluminum piston with PTFE guiding ring*

MATERIALI STANDARD / *STANDARD MATERIALS*



Stelo *Piston rod*	**Acciaio inox AISI316** *Stainless steel AISI316*
Guarnizioni *Seals*	**Poliuretano / NBR** *Polyurethane / NBR*
Testate *Covers*	**Acciaio inox AISI316** *Stainless steel AISI316*
Boccola di guida *Guiding bush*	**Acciaio + PTFE** *Steel + PTFE*
Tubo *Tube*	**Acciaio inox AISI304** *Acciaio inox AISI304*
Pistone *Piston*	**Alluminio** *Aluminum*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-30°C +80°C con aria secca** *-30°C +80°C with dry air*
Pressione massima *Max pressure*	**10 bar** *10 bar*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*				Diametro *Diameter*	Corsa *Stroke*
CI	DE	0	M	F	080	0100
	DE **Doppio effetto** *Double acting*	**0** **Standard** *Standard*	**M** **Magnetico** *Magnetic*	**M** **Filetto maschio** *Male thread*	**025** **Ø25**	**XXXX** **corsa** *stroke*
	SA **Semplice effetto molla anteriore** *Single acting front spring*	**1** **Passante** *Through rod*	**N** **Non magnetico** *Not magnetic*	**F** **Filetto femmina** *Female thread*	**...**	
	SP **Semplice effetto molla posteriore** *Single acting rear spring*				**100** **Ø100**	

VARIANTI STANDARD / *STANDARD VARIANTS*

Guarnizioni *Seals*	Costruzione *Construction*	Prolunga stelo *Extended piston rod*	Filetto speciale *Special piston rod thread*	Atex *Atex*
HA	E	P020		T
HR **Stelo Viton** *Viton rod seal*	**E** **Antirotazione** *Not rotating*	**PXXX** **P + mm** *P + mm*	**Su richiesta** *On request*	
HA **Tutto Viton** *All Viton*				

Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

CORSE STANDARD / *STANDARD STROKES*

Ø	5	10	15	20	25	30	40	50	60	70	80	90	100	125	160	200	250	300	350	400
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
32	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
80	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Corse standard versione semplice effetto (5-10-15-20-25-30-40-50)
Single acting cylinders standard strokes (15-10-15-20-25-30-40-50)

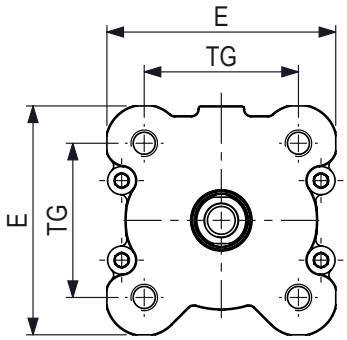
Corse fuori standard disponibili a listino e su richiesta
Not standard strokes available on request and on price list

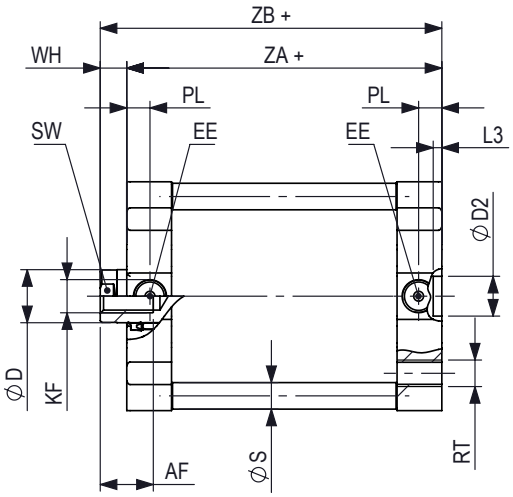
FORZE TEORICHE / *THEORETICAL FORCES*

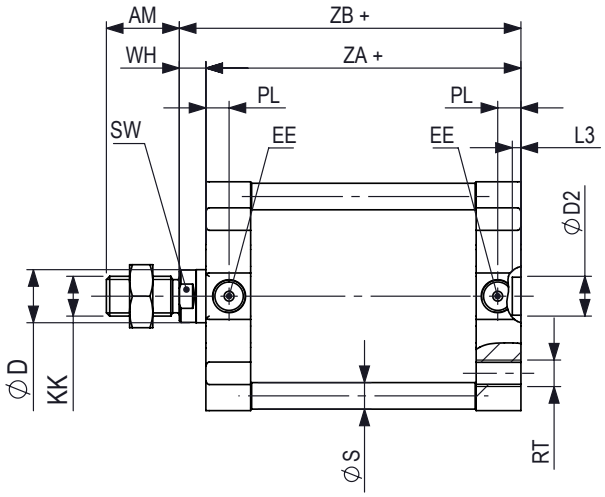
F teoriche a 6 bar *Thererical F at 6 bar*		
Ø	**Forza di spinta (N)** *Thrust force (N)*	**Forza di trazione (N)** *Traction force (N)*
25	294	247
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416

SEMPLICE EFFETTO MOLLA ANTERIORE
SINGLE ACTING FRONT SPRING

CISA0N - CISA0M







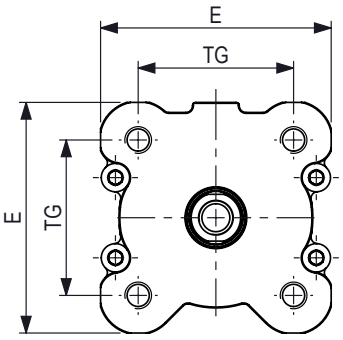
Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
25	10	9	10	16	M8X1,25	6	39	45	M6X1	M5X0,8	26	36	M5X0,8	7	9	2,1	6
32	12	10	12	19	M10X1,25	7	44	51	M8X1,25	1/8 G	32,5	50	M6X1	7,5	9	2,1	6
40	12	10	12	19	M10X1,25	7	45	52	M8X1,25	1/8 G	38	57	M6X1	7	9	2,1	6
50	16	13	16	22	M12X1,25	8	45	53	M10X1,5	1/8 G	46,5	67	M8X1,25	7	12	2,6	6
63	16	13	16	22	M12X1,25	8	49	57	M10X1,5	1/8 G	56,5	80	M8X1,25	7,5	12	2,6	8
80	20	17	20	28	M16X1,5	10	54	64	M12X1,75	1/8 G	72	96	M10X1,5	8	12	2,6	8
100	25	21	20	28	M16X1,5	10	67	77	M12X1,75	1/8 G	89	116	M10X1,5	10,5	12	2,6	10

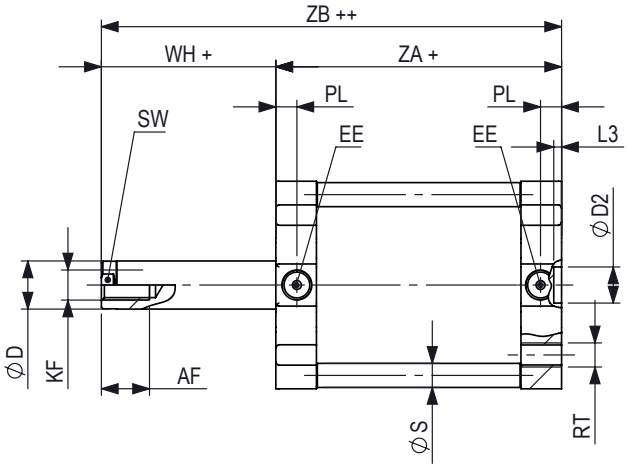
+ = sommare corsa / *plus stroke length*

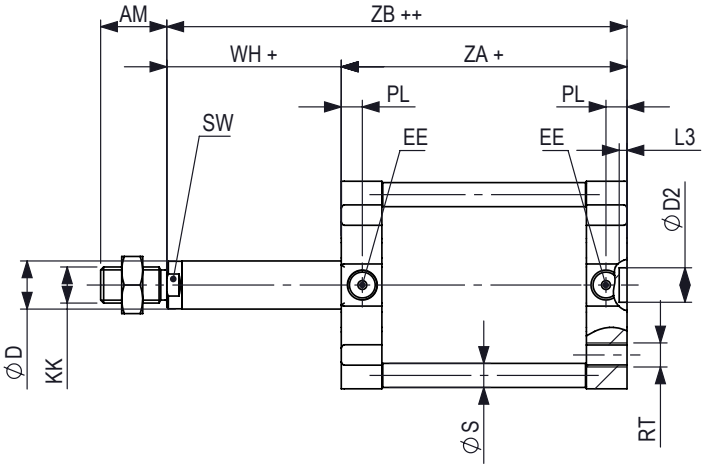
CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

CISP0N - CISP0M





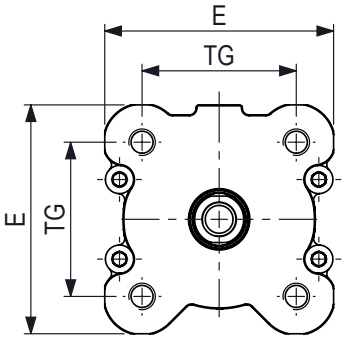


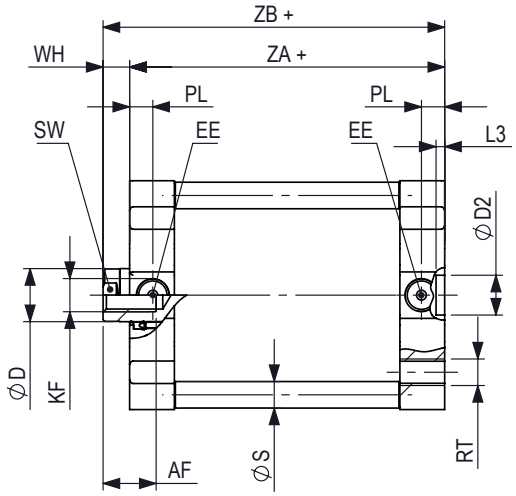
Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
25	10	9	10	16	M8X1,25	6	39	45	M6X1	M5X0,8	26	36	M5X0,8	7	9	2,1	6
32	12	10	12	19	M10X1,25	7	44	51	M8X1,25	1/8 G	32,5	50	M6X1	7,5	9	2,1	6
40	12	10	12	19	M10X1,25	7	45	52	M8X1,25	1/8 G	38	57	M6X1	7	9	2,1	6
50	16	13	16	22	M12X1,25	8	45	53	M10X1,5	1/8 G	46,5	67	M8X1,25	7	12	2,6	6
63	16	13	16	22	M12X1,25	8	49	57	M10X1,5	1/8 G	56,5	80	M8X1,25	7,5	12	2,6	8
80	20	17	20	28	M16X1,5	10	54	64	M12X1,75	1/8 G	72	96	M10X1,5	8	12	2,6	8
100	25	21	20	28	M16X1,5	10	67	77	M12X1,75	1/8 G	89	116	M10X1,5	10,5	12	2,6	10

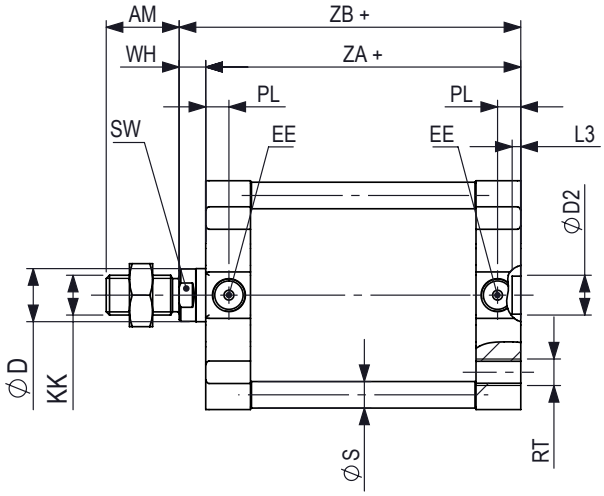
+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO
DOUBLE ACTING

CIDE0N - CIDE0M





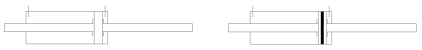


Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
25	10	9	10	16	M8X1,25	6	39	45	M6X1	M5X0,8	26	36	M5X0,8	7	9	2,1	6
32	12	10	12	19	M10X1,25	7	44	51	M8X1,25	1/8 G	32,5	50	M6X1	7,5	9	2,1	6
40	12	10	12	19	M10X1,25	7	45	52	M8X1,25	1/8 G	38	57	M6X1	7	9	2,1	6
50	16	13	16	22	M12X1,25	8	45	53	M10X1,5	1/8 G	46,5	67	M8X1,25	7	12	2,6	6
63	16	13	16	22	M12X1,25	8	49	57	M10X1,5	1/8 G	56,5	80	M8X1,25	7,5	12	2,6	8
80	20	17	20	28	M16X1,5	10	54	64	M12X1,75	1/8 G	72	96	M10X1,5	8	12	2,6	8
100	25	21	20	28	M16X1,5	10	67	77	M12X1,75	1/8 G	89	116	M10X1,5	10,5	12	2,6	10

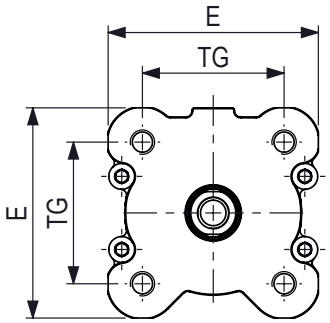
+ = sommare corsa / *plus stroke length*

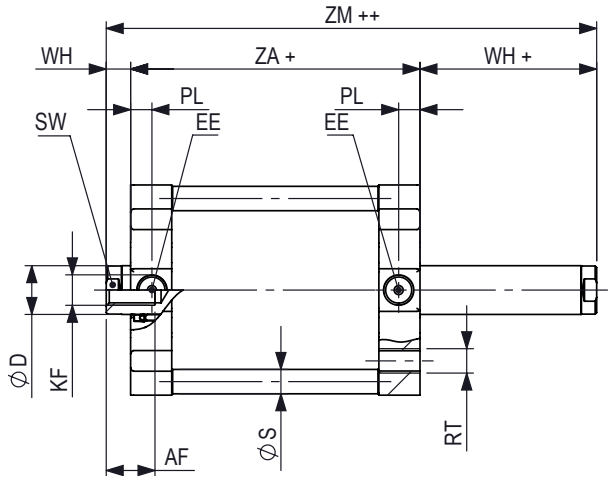
CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

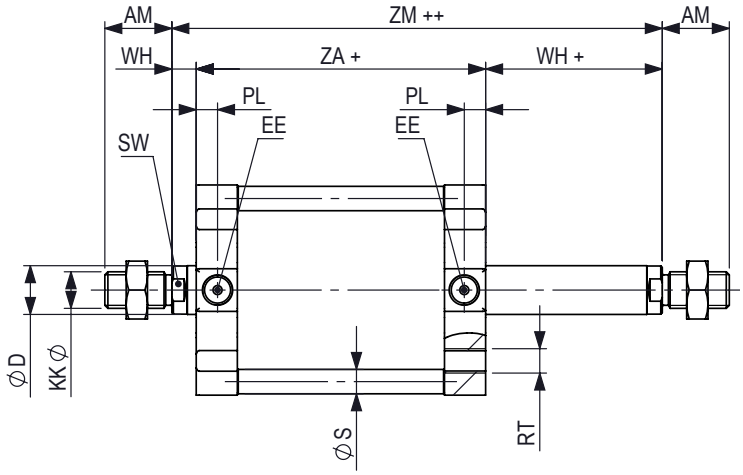
DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH ROD



CIDE1N - CIDE1M





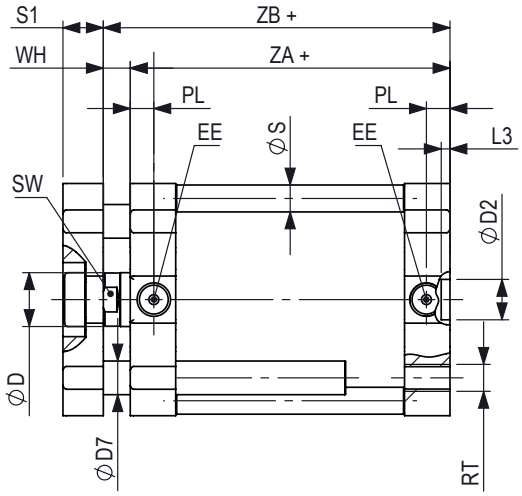


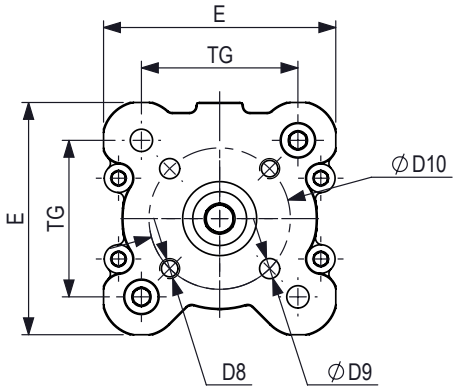
Ø	ØD	SW	AF	AM	KK	WH	ZA	ZM	KF	EE	TG	E	RT	PL	ØS
25	10	9	10	16	M8X1,25	6	39	51	M6X1	M5X0,8	26	36	M5X0,8	7	6
32	12	10	12	19	M10X1,25	7	44	58	M8X1,25	1/8 G	32,5	50	M6X1	7,5	6
40	12	10	12	19	M10X1,25	7	45	59	M8X1,25	1/8 G	38	57	M6X1	7	6
50	16	13	16	22	M12X1,25	8	45	61	M10X1,5	1/8 G	46,5	67	M8X1,25	7	6
63	16	13	16	22	M12X1,25	8	49	65	M10X1,5	1/8 G	56,5	80	M8X1,25	7,5	8
80	20	17	20	28	M16X1,5	10	54	74	M12X1,75	1/8 G	72	96	M10X1,5	8	8
100	25	21	20	28	M16X1,5	10	67	87	M12X1,75	1/8 G	89	116	M10X1,5	10,5	10

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

DOPPIO EFFETTO ANTIROTAZIONE
DOUBLE ACTING NOT ROTATING

CIDE0N E - CIDE0M E





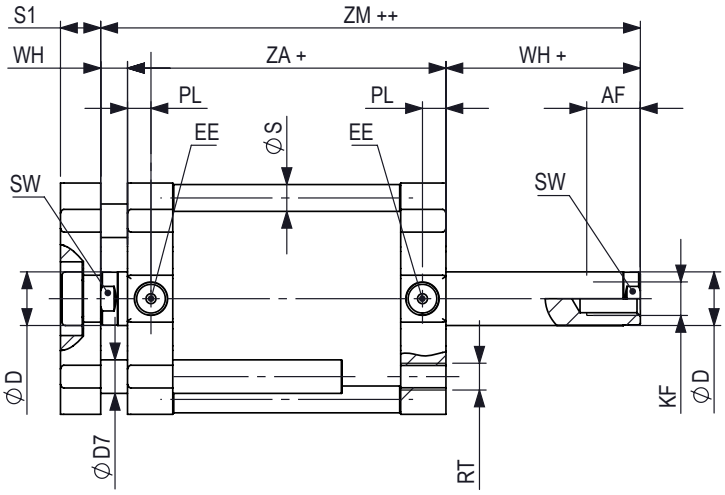
Ø	ØD	SW	WH	ZA	ZB	EE	TG	E	RT	PL	ØD2	L3	ØS	ØD6	L4	ØD7	ØD10	ØD2	ØD3	L5	S1
25	10	9	6	39	45	M5X0,8	26	36	M5X0,8	7	9	2,1	6	14	5	6	22	M4X0,7	4	1	8
32	12	10	7	44	51	1/8 G	32,5	50	M6X1	7,5	9	2,1	6	17	6,5	6	28	M5X0,8	5	1,5	10
40	12	10	7	45	52	1/8 G	38	57	M6X1	7	9	2,1	6	17	6,5	8	33	M5X0,8	5	1,5	10
50	16	13	8	45	53	1/8 G	46,5	67	M8X1,25	7	12	2,6	6	22	7,5	10	42	M6X1	6	1,5	12
63	16	13	8	49	57	1/8 G	56,5	80	M8X1,25	7,5	12	2,6	8	22	7,5	10	50	M6X1	6	1,5	12
80	20	17	10	54	64	1/8 G	72	96	M10X1,5	8	12	2,6	8	28	10,5	12	65	M8X1,25	8	2	14
100	25	21	10	67	77	1/8 G	89	116	M10X1,5	10,5	12	2,6	10	30	10,5	12	80	M10X1,5	10	3	14

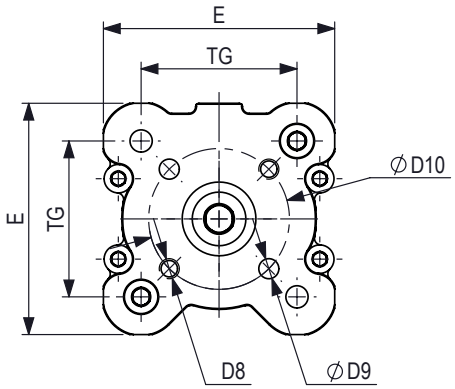
+ = sommare corsa / *plus stroke length*

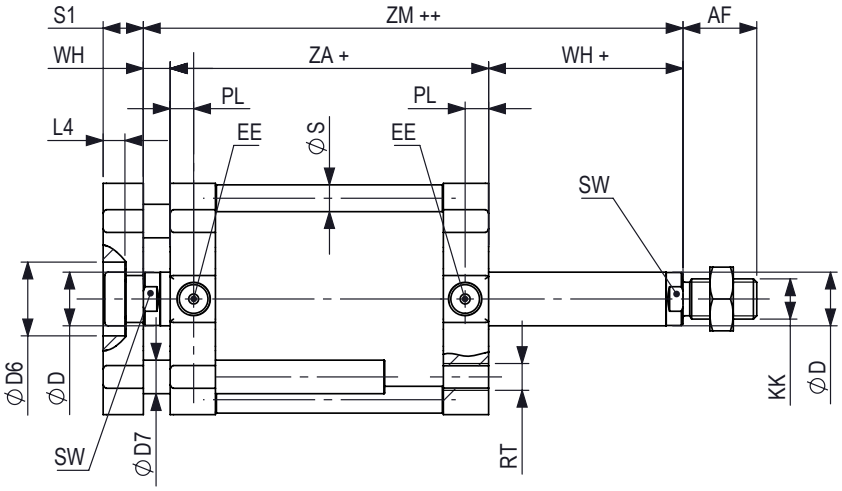
CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

DOPPIO EFFETTO ANTIROTAZIONE PASSANTE
DOUBLE ACTING NOT ROTATING THROUGH ROD

CIDE1N E - CIDE1M E



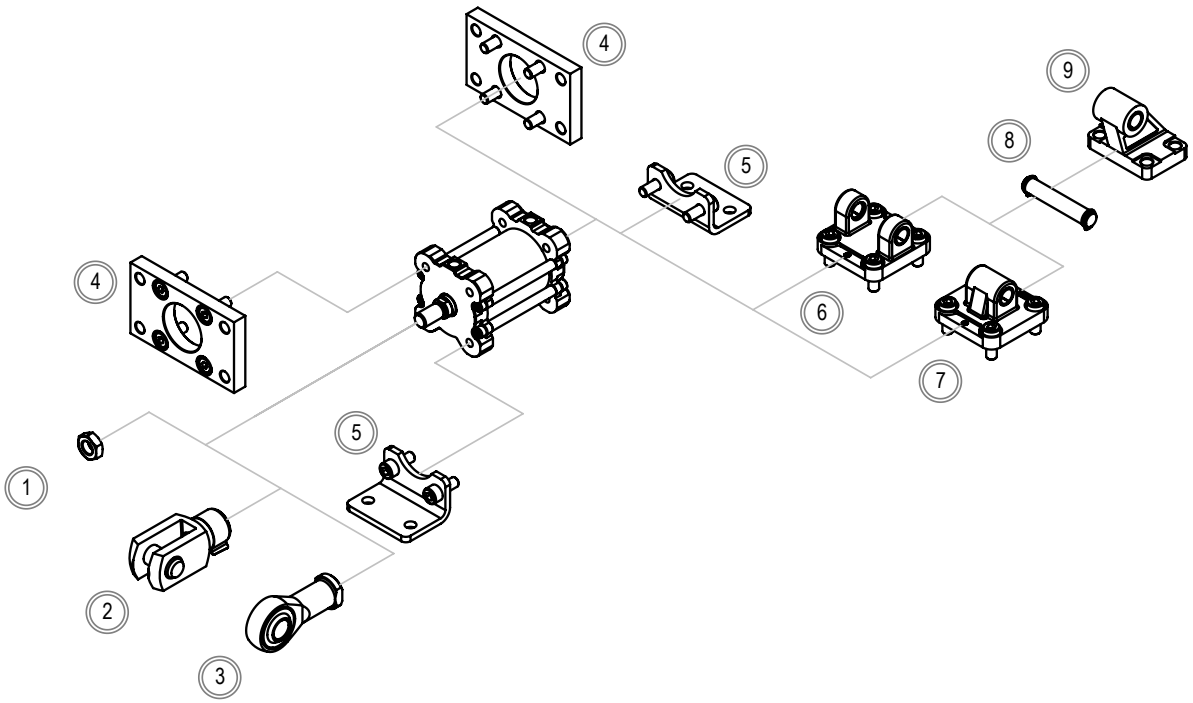




Ø	ØD	SW	AM	WH	ZA	ZM	EE	TG	E	RT	PL	ØD2	L3	ØS	ØD6	L4	ØD7	ØD10	ØD2	ØD3	L5	S1
25	10	9	16	6	39	51	M5X0,8	26	36	M5X0,8	7	9	2,1	6	14	5	6	22	M4X0,7	4	1	8
32	12	10	19	7	44	58	1/8 G	32,5	50	M6X1	7,5	9	2,1	6	17	6,5	6	28	M5X0,8	5	1,5	10
40	12	10	19	7	45	59	1/8 G	38	57	M6X1	7	9	2,1	6	17	6,5	8	33	M5X0,8	5	1,5	10
50	16	13	22	8	45	61	1/8 G	46,5	67	M8X1,25	7	12	2,6	6	22	7,5	10	42	M6X1	6	1,5	12
63	16	13	22	8	49	65	1/8 G	56,5	80	M8X1,25	7,5	12	2,6	8	22	7,5	10	50	M6X1	6	1,5	12
80	20	17	28	10	54	74	1/8 G	72	96	M10X1,5	8	12	2,6	8	28	10,5	12	65	M8X1,25	8	2	14
100	25	21	28	10	67	87	1/8 G	89	116	M10X1,5	10,5	12	2,6	10	30	10,5	12	80	M10X1,5	10	3	14

+ = sommare corsa / *plus stroke length*
++ = sommare 2 x corsa / *plus stroke length x 2*

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione *Description*	Acciaio inox *Stainless steel*
1	**Dado stelo** *Piston rod nut*	**186**
2	**Forcella** *Clevis*	**185**
3	**Testa a snodo** *Rod end*	**185**
4	**Flangia MF1-MF2** *Flange MF1-MF2*	**195**
5	**Piedino basso MS1** *Low rise pedestral MS1*	**195**
6	**Cerniera femmina MP2** *Female hinge MP2*	**191**
7	**Cerniera maschio MP4** *Male hinge MP4*	**191**
8	**Perno ISO AA4** *ISO Pin AA4*	**192**
9	**Articolazione a squadra AB7** *Square join AB7*	**192**

CILINDRI COMPATTI ISO21287 INOX Ø25-100
ISO21287 STAINLESS STEEL COMPACT CYLINDERS Ø25-100

KIT DI MONTAGGIO
MOUNTING KIT

Contenuto del Kit - *Kit parts*
Testata anteriore completa / *Assembled front cover*
Testata posteriore completa / *Assembled rear cover*
Pistone completo / *Complete piston*
Viti fissaggio testate / *Locking screws*
Tappi protezione alimentazioni / *Air supply protection caps*

Kit disponibile anche nelle altre versioni
Kit available also in other versions

BARRA STELO
PISTON ROD BAR

Ø cilindro *Ø cylinder*	Barra stelo in AISI316 *AISI316 piston rod bar*	Ø
25	V30BRT0510000	10
32	V30BRT0512000	12
40	V30BRT0512000	12
50	V30BRT0516000	16
63	V30BRT0516000	16
80	V30BRT0520000	20
100	V30BRT0525000	25

Barre lunghezza 3 metri
3 meter long bars

BARRA TUBO
TUBE BAR

Ø	Barra tubo in AISI304 *Stainless steel AISI304 tube bar*
25	V30TGT0425000
32	V30TGT0432000
40	V30TGT0440000
50	V30TGT0450000
63	V30TGT0463000
80	V30TGT0580000
100	V30TGT05A0000

Barre lunghezza 3 metri
3 meter long bars

Barre tubo e barre stelo disponibili anche lavorate e tagliate a misura/corsa
Tube bars and piston rod bars available also worked and cut at lenght/stroke

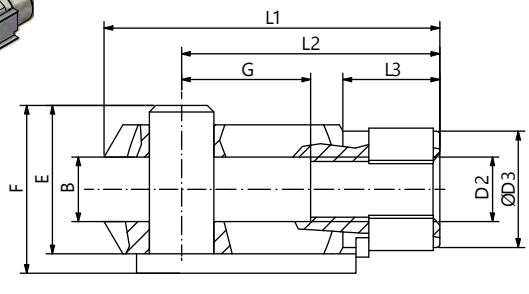
ACCESSORI STELO
PISTON ROD ACCESSORIES

CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Filetto Thread	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
FFC	**10150**	**S**	**0**	**S**
FFC **Forcella con clip** *Clevis with clip*	**04070** M4X07	**S** **Acciaio zincato** *Zinc coated steel*	**0** **Standard** *Standard*	**S** **Pacchetto singolo** *Single bag*
FFP **Forcella con pin** *Clevis with pin*	**06100** M6X1			**B** **Componenti sciolti** *Bulk*
TSN **Testa a snodo** *Rod end*	**08125** M8X1,25			
GAA **Snodo autoall.** *Self-allign. joint*	**08150** M8X1,50			
DES **Dado esagonale stelo** *Hexagonal piston rod nut*	**10125** M10X1,25			
DET **Dado esagonale testata** *Hexagonal cover nut*	**10150** M10X1,50			
GHI **Ghiera testata** *Cover slotted nut*	**12125** M12X1,25			
FFA **Forcella femmina CNOMO** *CNOMO female clevis*	**12175** M12X1,75			
FFB **Forcella femmina CNOMO** *CNOMO female clevis*	**16150** M16X1,50			
FFM **Forcella maschio CNOMO** *CNOMO male clevis*	**16200** M16X2			
	20150 M20X1,50			
	27200 M27X2			
	36200 M36X2			
	42200 M42X2			
	48200 M48X2			

FORCELLA FEMMINA CON CLIP
FEMALE CLEVIS WITH CLIP

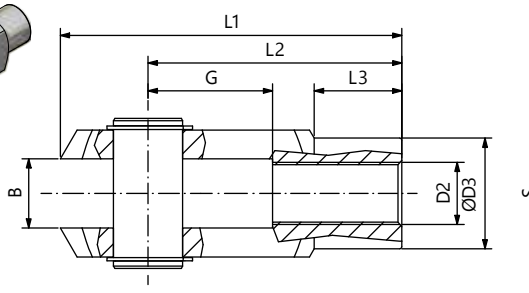
FFC S



Ø	COD	D2	B	L2	G	L3	A	ØD1	ØD3	L1	F	E
08 - 10	FFC04070S	M4X0,7	4	16	8	6	8	4	8	21	11	9
12 - 16	FFC06100S	M6X1	6	24	12	9	12	6	10	31	16	14
20	FFC08125S	M8X1,25	8	32	16	12	16	8	14	42	22	19
25 - 32	FFC10125S	M10X1,25	10	40	20	15	20	10	18	52	26	23
32	FFC10150S	M10X1,5	10	40	20	15	20	10	18	52	26	23
40	FFC12125S	M12X1,25	12	48	24	18	24	12	20	62	32	28
40	FFC12175S	M12X1,75	12	48	24	18	24	12	20	62	32	28
50 - 63	FFC16150S	M16X1,5	16	64	32	24	32	16	26	83	40	36
50 - 63	FFC16200S	M16X2	16	64	32	24	32	16	26	83	40	36
80-100	FFC20150S	M20X1,5	20	80	40	30	40	20	34	105	49	44

FORCELLA FEMMINA CON PERNO
FEMALE CLEVIS WITH PIN

FFP S

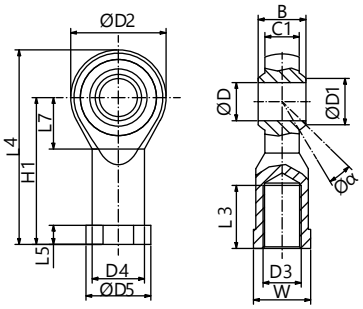


Ø	COD	D2	B	A	ØD1	S	G	L2	L1	L3	ØD3
125	FFP27200S	M27X2	30	55	30	65	54	110	148	38	48
160-200	FFP36200S	M36X2	35	70	35	84	72	144	188	40	60
250	FFP42200S	M42X2	40	85	40	104,3	84	168	232	63,5	70
320	FFP48200S	M48X2	50	96	50	117,3	96	192	265	73	82

ACCESSORI STELO
PISTON ROD ACCESSORIES

TESTA A SNODO
ROD END

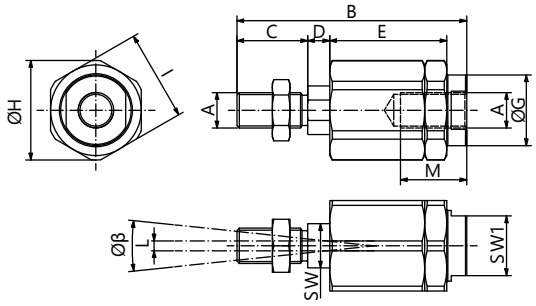
TSN S



Ø	COD	D3	L3	a°	ØD	ØD1	C1	B	ØD4	ØD5	L5	L7	H1	L4	ØD2
08 - 10	TSN04070S	M4X0,7	10	13°	5	7,7	6	8	9	11	4	10	27	36	18
12 - 16	TSN06100S	M6X1	12	13°	6	8,9	6,75	9	10	13	5	11	30	40	20
20	TSN08125S	M8X1,25	16	14°	8	10,4	9	12	12,5	16	5	13	36	48	24
25 - 32	TSN10125S	M10X1,25	20	13°	10	12,9	10,5	14	15	19	6,5	15	43	57	28
32	TSN10150S	M10X1,5	20	13°	10	12,9	10,5	14	15	19	6,5	15	43	57	28
40	TSN12125S	M12X1,25	22	13°	12	15,4	12	16	17,5	22	6,5	17	50	66	32
40	TSN12175S	M12X1,75	22	13°	12	15,4	12	16	17,5	22	6,5	17	50	66	32
50 - 63	TSN16150S	M16X1,5	28	15°	16	19,3	15	21	22	27	8	23	64	85	42
50 - 63	TSN16200S	M16X2	28	15°	16	19,3	15	21	22	27	8	23	64	85	42
80-100	TSN20150S	M20X1,5	33	14°	20	24,3	18	25	27,5	34	10	27	77	102	50
125	TSN27200S	M27X2	51	17°	30	34,8	25	37	40	50	15	36	110	145	70
160-200	TSN36200S	M36X2	56	19°	35	37,7	28	43	46	58	17	41	125	165	80
250	TSN42200S	M42X2	60	16°	40	45,1	33	49	53	65	19	45	142	187	91
320	TSN48200S	M48X2	65	14°	50	56,6	45	60	65	75	23	58	160	218	117

SNODO AUTOALLINEANTE
SELF-ALLIGNING JOINT

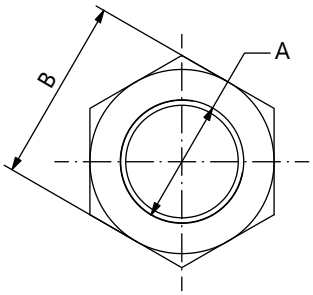
GAA S

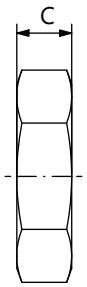


Ø	COD	A	B	C	D	E	SW	ØG	ØH	I	L	M	η
12 - 16	GAA06100S	M6X1	36,5	11	3,5	18,5	6	8,5	14,5	13	1	12,5	6°
20	GAA08125S	M8X1,25	58	21	4	28,5	8	12,5	19	17	2	16	8°
25 - 32	GAA10125S	M10X1,25	74,5	23	6,5	36	14	22	32	30	2	22	8°
32	GAA10150S	M10X1,5	74,5	23	6,5	36	14	22	32	30	2	22	8°
40	GAA12125S	M12X1,25	75	24	6,5	36	14	22	32	30	2	22	8°
40	GAA12175S	M12X1,75	75	24	6,5	36	14	22	32	30	2	22	9°
50 - 63	GAA16150S	M16X1,5	103	30	10	53	22	32	45	41	2	30	6°
80-100	GAA20150S	M20X1,5	119	40	6,5	53	22	32	45	41	2	37	6°

DADO ESAGONALE STELO
HEXAGONAL PISTON ROD NUT

DES S

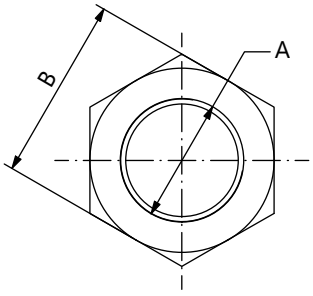


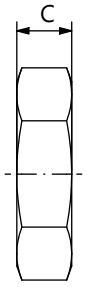


Ø	COD	A	C	B
08 - 10	DES04070S	M4X0,7	3,2	7
12 - 16	DES06100S	M6X1	4	10
20	DES08125S	M8X1,25	5	13
25 - 32	DES10125S	M10X1,25	6	17
32	DES10150S	M10X1,5	6	17
40	DES12125S	M12X1,25	7	19
40	DES12175S	M12X1,75	7	19
50-63	DES16150S	M16X1,5	8	24
50-63	DES16200S	M16X2	8	24
80-100	DES20150S	M20X1,5	9	30
125	DES27200S	M27X2	12	41
160-200	DES36200S	M36X2	14	55
250	DES42200S	M42X2	16	65
320	DES48200S	M48X2	18	75

DADO ESAGONALE TESTATA
HEXAGONAL COVER NUT

DET S



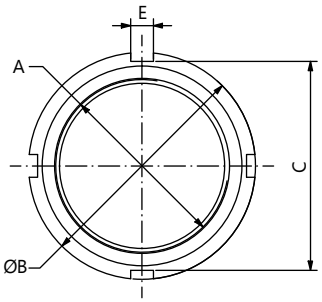


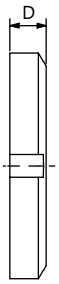
Ø	COD	A	C	B
08 - 10	DET12125S	M12X1,25	5	19
12 - 16	DET16150S	M16X1,5	5	22
20 - 25	DET22150S	M22X1,5	8	27

ACCESSORI STELO
PISTON ROD ACCESSORIES

GHIERA TESTATA
COVER SLOTTED NUT

GHI S

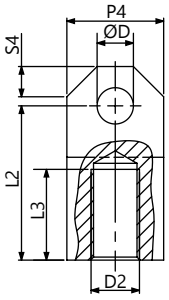


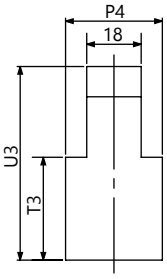


Ø	COD	A	ØB	C	D	E
32	GHI30150S	M30X1,5	45	40	7	5
40	GHI38150S	M38X1,5	50	46	8	5
50 - 63	GHI45150S	M45X1,5	58	52	9	6

FORCELLA MASCHIO CNOMO
CNOMO MALE CLEVIS

FFM S

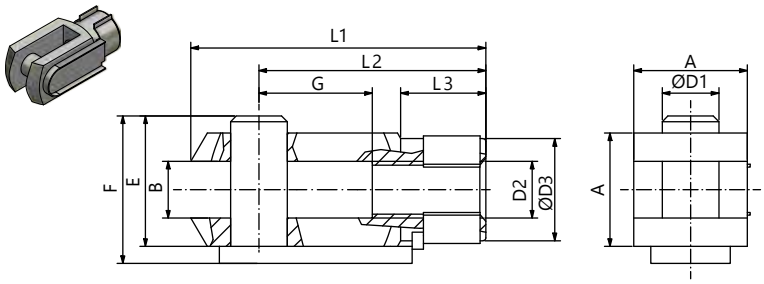




Ø	COD	D2	L3	M3	P4	ØD	S4	T3	U3	L2
25 - 32	FFM10150S	M10X1,5	20	11	22	8	6	25	45	36
40 - 50	FFM16150S	M16X1,5	30	18	32	12	10	34	64	51
63 - 80	FFM20150S	M20X1,5	36	22	36	16	12	41	80	63
100 - 125	FFM27200S	M27X2	50	30	45	20	17,5	58	105	85
160 -200	FFM36200S	M36X2	70	40	63	25	20	81	140	115

FORCELLA FEMMINA CON CLIP CNOMO
CNOMO FEMALE CLEVIS WITH CLIP

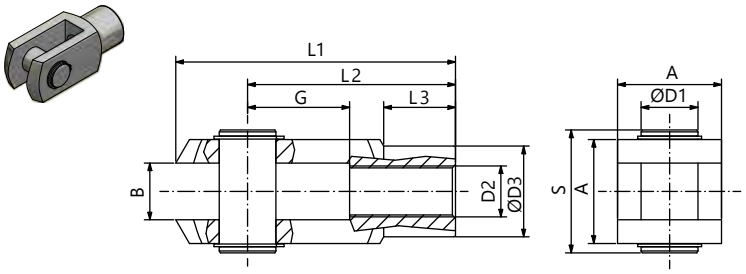
FFA S



Ø	COD	D2	F	ØD3	E	L2	B	ØD1	A1	A2	L1	L3	G
25 - 32	FFA10150S	M10X1,5	28	18	25	36	11	8	22	22	45	14	16
40 - 50	FFA16150S	M16X1,5	44	26	40	51	18	12	36	26	64	17	25
63 - 80	FFA20150S	M20X1,5	53	34	49	63	22	16	45	34	80	18,5	33
100 - 125	FFA27200S	M27X2	73	42	69	85	30	20	63	42	105	30	40
160 -200	FFA36200S	M36X2	-	50	-	115	40	25	80	50	140	45	-

FORCELLA FEMMINA CON PERNO CNOMO
CNOMO FEMALE CLEVIS WITH PIN

FFB S



Ø	COD	A	C	B
08 - 10	DET12125S	M12X1,25	5	19
12 - 16	DET16150S	M16X1,5	5	22
20 - 25	DET22150S	M22X1,5	8	27

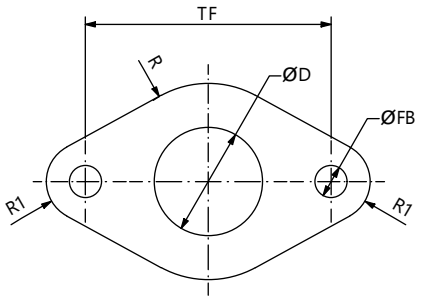
ACCESSORI ISO6432
ISO6432 MOUNTING ACCESSORIES

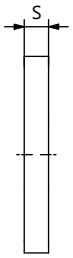
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
FL1	**012**	**S**	**0**	**S**
FL1 **Flangia MF8** *Flange MF8*	**008** **Ø8-Ø10**	**S** **Acciaio zincato** *Zinc coated steel*	**0** **Standard** *Standard*	**S** **Pacchetto singolo** *Single bag*
PD1 **Piedino MS3** *Pedestral MS3*	**012** **Ø12-Ø16**			**B** **Componenti sciolti** *Bulk*
CF1 **Cerniera femmina MP3** *Female hinge MP3*	**020** **Ø20-Ø25**			

FLANGIA MF8
FLANGE MF8

FL1 S

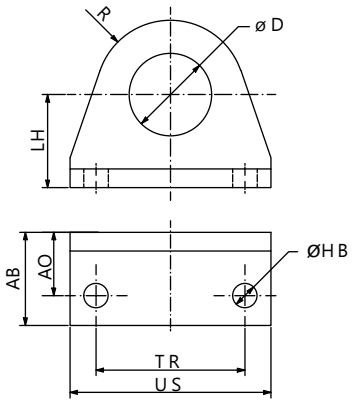


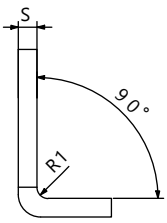


Ø	COD	ØD	ØFB	TF	R	R1	S
08 - 10	FL1008S	12	4,5	30	11	5	3
12 - 16	FL1012S	16	5,5	40	15	6	4
20 - 25	FL1020S	22	6,5	50	20	8	5

PIEDINO MS3
PEDESTRAL MS3

PD1 S

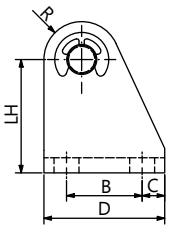


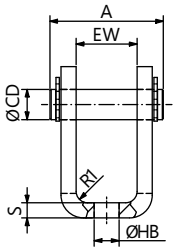


Ø	COD	TR	ØD	S	ØHB	AO	AB	US	LH	R	R1
08 - 10	PD1008S	25	12	3	4,5	11	16	35	16	10	1,5
12 - 16	PD1012S	32	16,1	4	5,5	14	20	42	20	13	2
20 - 25	PD1020S	40	22,1	5	6,6	17	25	54	25	20	2,5

CERNIERA FEMMINA CON PERNO MP3
FEMALE HINGE WITH PIN MP3

CF1 S





Ø	COD	D	LH	ØCD	S	C	B	EW	ØHB	A	R	R1
08 - 10	CF1008S	22	24	4	2,5	4,75	12,5	8,1	4,5	18	5	1,5
12 - 16	CF1012S	25	27	6	3	5	15	12,1	5,5	24	7	1,5
20 - 25	CF1020S	32	30	8	4	6	20	16,1	6,6	31	10	2

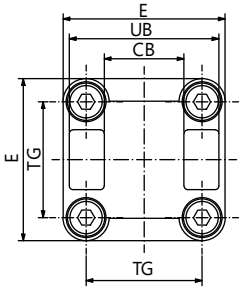
ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

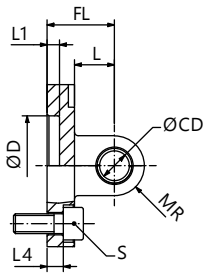
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
CFE	**050**	**S**	**0**	**S**
CFE **Cerniera femmina MP2** *Female hinge MP2*	**032** **Ø32**	**A** **Alluminio** *Aluminum*	**0** **Solo corpo** *Only accessory*	**S** **Pacchetto singolo** *Single bag*
CMA **Cerniera maschio MP4** *Male hinge MP4*	**...**	**S** **Acciaio** *Steel*	**1** **Con viti** *With screws*	**B** **Componenti sciolti** *Bulk*
ARQ **Articolazione a squadra AB7** *Square joint AB7*	**320** **Ø320**		**2** **Con viti e perno** *With screws and pin*	
PRI **Perno ISO AA4** *ISO Pin AA4*				
CFS **Cerniera femmina stretta AB7** *Narrow female hinge AB7*				
CMS **Cerniera maschio snodata MP6** *Male hinge w spherical head MP6*				
PRA **Perno antirotazione AA6** *Antirotation pin AA6*				
CMC **Cerniera maschio per compatti** *Male hinge for compacts*				
ARS **Articolazione a squadra snodata** *Square joint w spherical head*				
FL2 **Flangia MF1-MF2** *Flange MF1-MF2*				
PDB **Piedino basso MS1** *Low-rise pedestral MS1*				
FL8 **Flangia collegamento tandem** *Flange for tandem construction*				

CERNIERA FEMMINA CON BUSSOLE MP2
FEMALE HINGE MP2 WITH BUSHES

CFE A

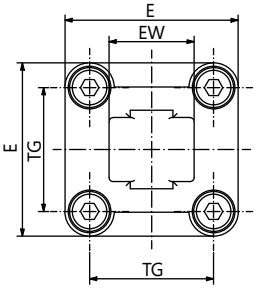


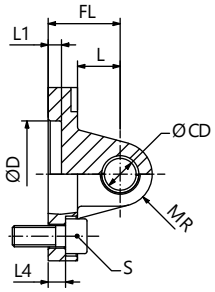


Ø	COD	TG	CB	UB	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CFE032A	32,5	26	45	10	22	13	30	5	5,5	M6X20	10	45
40	CFE040A	38	28	52	12	25	16	35	5	5,5	M6X20	12	52
50	CFE050A	46,5	32	60	12	27	16	40	5	6,5	M8X20	12	65
63	CFE063A	56,5	40	70	16	32	21	45	5	6,5	M8X20	16	75
80	CFE080A	72	50	90	16	36	22	45	5	10	M10X25	16	95
100	CFE100A	89	60	110	20	41	27	55	5	10	M10X25	20	115
125	CFE125A	110	70	130	25	50	30	60	7	10	M12X25	25	140
160	CFE160A	140	90	170	30	55	35	65	7	10	M16X30	25	180
200	CFE200A	175	90	170	30	60	35	75	7	11	M16X30	25	220
250	CFE250A	220	110	200	40	70	45	90	-	11	M20X35	40	270
320	CFE320A	270	120	220	45	80	50	110	-	15	M24X40	45	350

CERNIERA MASCHIO CON BUSSOLE MP4
MALE HINGE MP4 WITH BUSHES

CMA A



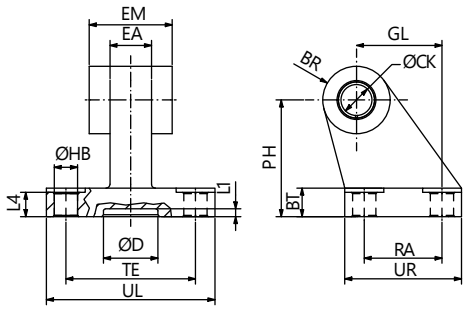


Ø	COD	TG	EW	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CMA032A	32,5	26	10	22	13	30	5	5,5	M6X20	10	45
40	CMA040A	38	28	12	25	16	35	5	5,5	M6X20	12	52
50	CMA050A	46,5	32	12	27	16	40	5	6,5	M8X20	12	65
63	CMA063A	56,5	40	16	32	21	45	5	6,5	M8X20	16	75
80	CMA080A	72	50	16	36	22	45	5	10	M10X25	16	95
100	CMA100A	89	60	20	41	27	55	5	10	M10X25	20	115
125	CMA125A	110	70	25	50	30	60	7	10	M12X25	25	140
160	CMA160A	140	90	30	55	35	65	7	10	M16X30	25	180
200	CMA200A	175	90	30	60	35	75	7	11	M16X30	25	220
250	CMA250A	220	110	40	70	45	90	11	11	M20X35	40	270
320	CMA320A	270	120	45	80	50	110	15	15	M24X40	45	350

ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

ARTICOLAZIONE A SQUADRA CON BUSSOLE AB7
SQUARE JOINT WITH BUSHES AB7

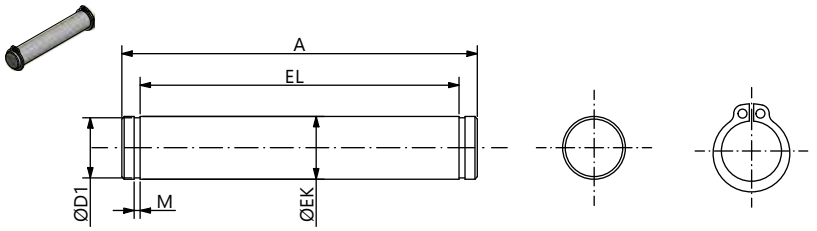
ARQ A



Ø	COD	ØCK	EM	BR	PH	GL	ØHB	L4	BT	TE	RA	ØD	L1	UL	UR	EA
32	ARQ032A	10	26	10	32	21	6,6	6,4	8	38	18	21	3	51	31	10
40	ARQ040A	12	28	11	36	24	6,6	8,4	10	41	22	21	3	54	35	15
50	ARQ050A	12	32	13	45	33	9	10,4	12	50	30	21	3	65	45	16
63	ARQ063A	16	40	15	50	37	9	12,4	14	52	35	21	3	67	50	16
80	ARQ080A	16	50	15	63	47	11	11,5	14	66	40	21	3	86	60	20
100	ARQ100A	20	60	19	71	55	11	14,5	17	76	50	11	3	96	70	20
125	ARQ125A	25	70	22,5	90	70	14	16,8	20	94	60	21	3	124	90	30
160	ARQ160A	30	90	31,5	115	97	14	21	25	118	88	31	5	156	126	36
200	ARQ200A	30	90	31,5	135	105	18	26	30	122	90	31	5	162	130	40

PERNO ISO AA4
ISO PIN AA4

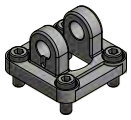
PRI S

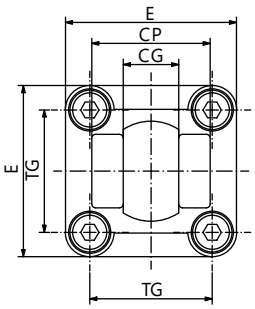


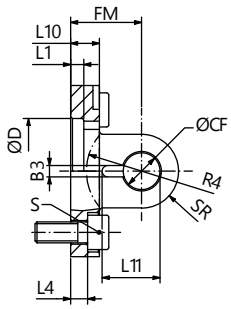
Ø	COD	ØEK	EL	ØD1	M	A
32	PRI032	10	46	9,6	1,1	53
40	PRI040	12	53	11,5	1,1	60
50	PRI050	12	61	11,5	1,1	68
63	PRI063	16	71	15,2	1,1	78
80	PRI080	16	91	15,2	1,1	98
100	PRI100	20	111	19	1,3	118
125	PRI125	25	132	23,9	1,3	139
160-200	PRI160	30	172	28,6	1,6	180
250	PRI250	40	202	37,5	1,85	214
320	PRI320	45	222	42,5	1,85	234

CERNIERA FEMMINA STRETTA AB6
NARROW FEMALE HINGE AB6

CFS A



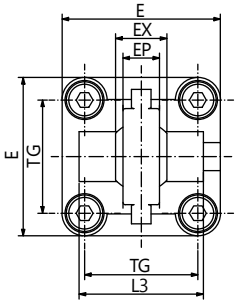


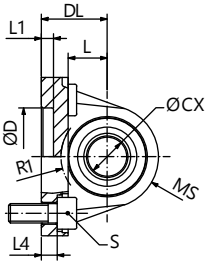


Ø	COD	E	CP	CG	TG	FM	L1	L10	L4	ØD	ØCF	B3	L11	SR	R4	S
32	CFS032A	45	34	14	32,5	22	5	9	5,5	30	10	3,3	16,5	9,5	17	M6X20
40	CFS040A	52	40	16	38	25	5	9	5,5	35	12	4,3	18	12	20	M6X20
50	CFS050A	65	45	21	46,5	27	5	11	6,5	40	16	4,3	23	14	22	M8X20
63	CFS063A	75	51	21	56,5	32	5	11	6,5	45	16	4,3	23	17	25	M8X20
80	CFS080A	95	65	25	72	36	5	14	10	45	20	4,3	27	21	30	M10X25
100	CFS100A	115	75	25	89	41	5	14	10	55	20	4,3	27	21	32	M10X25
125	CFS125A	140	97	37	110	50	7	20	10	60	30	6,3	40	29	42	M12X25

CERNIERA MASCHIO CON TESTINA SNODATA MP6
MALE HINGE MP6 WITH SPHERICAL HEAD

CMS A



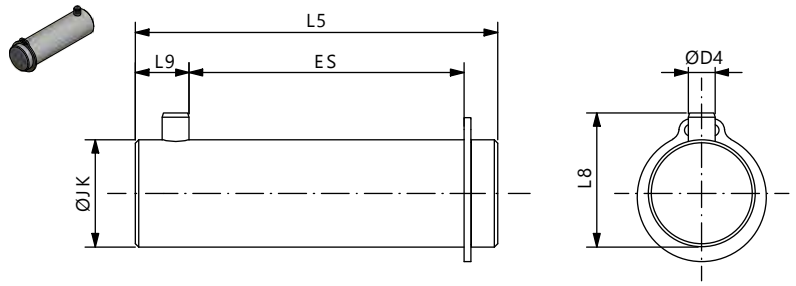


Ø	COD	TG	ØCX	DL	L	EX	EP	S	L4	D	L1	E	MS	L3	R1
32	CMS032A	32,5	10	22	12	14	10,5	M6X20	5,5	30	7	45	16	-	-
40	CMS040A	38	12	25	15	16	12	M6X20	5,5	35	7	52	18	-	-
50	CMS050A	46,5	16	27	15	21	15	M8X20	6,5	40	7	65	21	51	19
63	CMS063A	56,5	16	32	20	21	15	M8X20	6,5	45	7	75	23	-	-
80	CMS080A	72	20	36	20	25	18	M10X25	10	45	9	95	28	74	24
100	CMS100A	89	20	41	25	25	18	M10X25	10	55	9	115	30	140	32
125	CMS125A	110	30	50	30	37	25	M12X25	10	60	9	140	40	-	-
160	CMS160A	140	35	55	35	43	30	M16X30	10	65	7	180	44	-	-
200	CMS200A	175	35	60	35	43	30	M16X30	11	75	7	220	47	220	48

ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

PERNO ANTIROTAZIONE AA6
ANTIROTATION PIN AA6

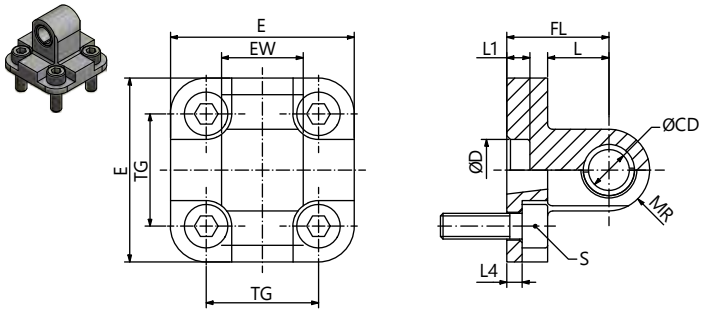
PRA S



Ø	COD	ØD4	L8	ØJK	L5	L9	ES
32	PRA032	3	14	10	41	6,5	30,5
40	PRA040	4	16	12	48	8	36
50	PRA050	4	20	16	54	8	41
63	PRA063	4	20	16	60	8	47
80	PRA080	4	24	20	75	8	61
100	PRA100	4	24	20	85	8	71
125	PRA125	6	36	30	110	12	91

CERNIERA MASCHIO MP4 PER COMPATTI
MALE HINGE MP4 FOR COMPACTS

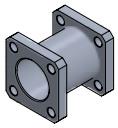
CMC A

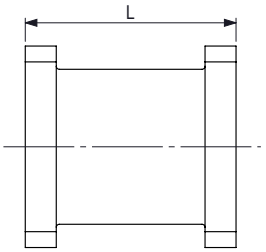


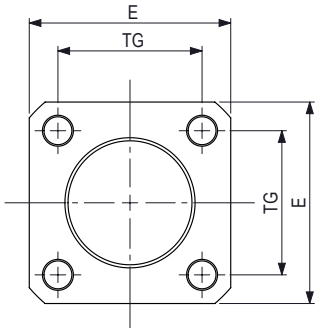
Ø	COD	E	TG	EW	FL	L1	L4	ØD	S	MR	ØCD
20	CMC020A	36	22	16	20	4,5	3	12	M5X16	8	8
25	CMC025A	39,5	26	16	20	4,5	3	12	M5X16	8	8

FLANGIA PER COLLEGAMENTO TANDEM
FLANGE FOR TANDEM ASSEMBLING

FL8 A





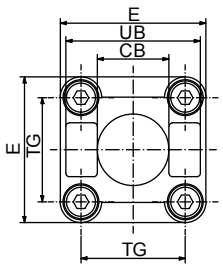


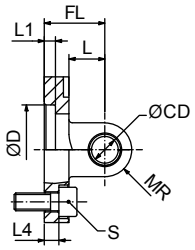
Ø	COD	EE	TG	L
32	FL8032A0S	45	32,5	55
40	FL8040A0S	52	38	55
50	FL8050A0S	65	46,5	68
63	FL8063A0S	75	56,5	68
80	FL8080A0S	95	72	92
100	FL8100A0S	115	89	92
125	FL8125A0S	140	110	120

ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

CERNIERA FEMMINA MP2
FEMALE HINGE MP2

CFE S

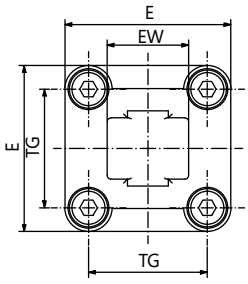


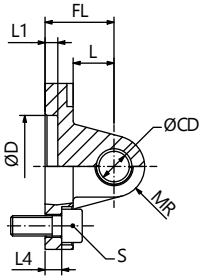


Ø	COD	TG	CB	UB	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CFE032S	32,5	26	45	10	22	13	30	5	5,5	M6X20	10	45
40	CFE040S	38	28	52	12	25	16	35	5	5,5	M6X20	12	55
50	CFE050S	46,5	32	60	12	27	16	40	5	6,5	M8X20	12	65
63	CFE063S	56,5	40	70	16	32	21	45	5	6,5	M8X20	16	75
80	CFE080S	72	50	90	16	36	22	45	5	10	M10X25	16	95
100	CFE100S	89	60	110	20	41	27	55	5	10	M10X25	20	115
125	CFE125S	110	70	130	25	50	30	60	7	10	M12X25	25	140
160	CFE160S	140	90	170	30	55	35	65	7	10	M16X30	25	180
200	CFE200S	175	90	170	30	60	35	75	7	11	M16X30	25	220
250	CFE250S	220	110	200	40	70	45	90	-	11	M20X35	40	270
320	CFE320S	270	120	220	45	80	50	110	-	15	M24X40	45	350

CERNIERA MASCHIO MP4
MALE HINGE MP4

CMA S

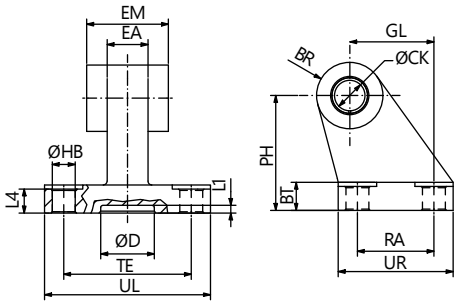




Ø	COD	TG	EW	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CMA032S	32,5	26	10	22	13	30	5	5,5	M6X20	10	45
40	CMA040S	38	28	12	25	16	35	5	5,5	M6X20	12	55
50	CMA050S	46,5	32	12	27	16	40	5	6,5	M8X20	12	65
63	CMA063S	56,5	40	16	32	21	45	5	6,5	M8X20	16	75
80	CMA080S	72	50	16	36	22	45	5	10	M10X25	16	95
100	CMA100S	89	60	20	41	27	55	5	10	M10X25	20	115
125	CMA125S	110	70	25	50	30	60	7	10	M12X25	25	140
160	CMA160S	140	90	30	55	35	65	7	10	M16X30	25	180
200	CMA200S	175	90	30	60	35	75	7	11	M16X30	25	220
250	CMA250S	220	110	40	70	45	90	11	11	M20X35	40	270
320	CMA320S	270	120	45	80	50	110	15	15	M24X40	45	350

ARTICOLAZIONE A SQUADRA AB7
SQUARE JOINT AB7

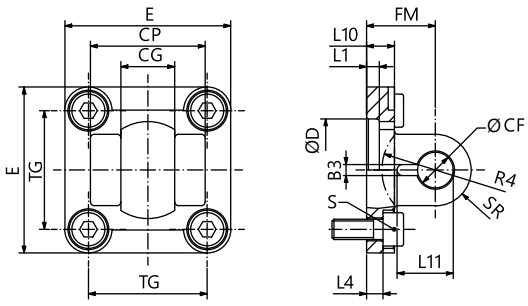
ARQ S



Ø	COD	ØCK	EM	BR	PH	GL	ØHB	L4	BT	TE	RA	ØD	L1	UL	UR	EA
32	ARQ032S	10	26	10	32	21	6,6	6,5	8	38	18	20	5	51	31	8,5
40	ARQ040S	12	28	11	36	24	6,6	8,5	10	41	22	25	5	54	35	10
50	ARQ050S	12	32	13	45	33	9	10,5	12	50	30	30	5	65	45	13,5
63	ARQ063S	16	40	15	50	37	9	10,5	12	52	35	35	5	67	50	13,5
80	ARQ080S	16	50	15	63	47	11	11,5	14	66	40	45	5	86	60	15
100	ARQ100S	20	60	19	71	55	11	12,5	15	76	50	55	5	96	70	15
125	ARQ125S	25	70	22,5	90	70	14	17	20	94	60	35	11	124	90	48
160	ARQ160S	30	90	31,5	115	97	14	21	25	118	88	55	12	156	126	70
200	ARQ200S	30	90	31,5	135	105	18	26	30	122	90	55	14	162	130	70

CERNIERA FEMMINA STRETTA AB6
NARROW FEMALE HINGE AB6

CFS S

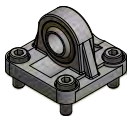


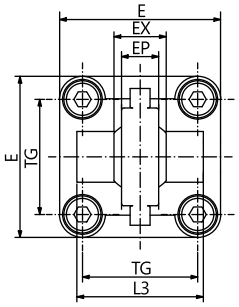
Ø	COD	E	CP	CG	TG	FM	L1	L10	L4	ØD	ØCF	B3	L11	SR	R4	S
32	CFS032S	45	34	14	32,5	22	5	8	5,5	30	10	3,3	16,5	9,5	17	M6X20
40	CFS040S	55	40	16	38	25	5	8	5,5	35	12	4,3	18	12	20	M6X20
50	CFS050S	65	45	21	46,5	27	5	10	6,5	40	16	4,3	23	14	22	M8X20
63	CFS063S	75	51	21	56,5	32	5	10	6,5	45	16	4,3	23	17	25	M8X20
80	CFS080S	95	65	25	72	36	5	13	10	45	20	4,3	277	21	30	M10X25
100	CFS100S	115	75	25	89	41	5	13	10	55	20	4,3	27	21	32	M10X25
125	CFS125S	140	97	37	110	50	7	16	10	60	30	6,3	40	29	42	M12X25
160	CFS160S	180	122	43	140	55	7	20	10	65	35	6,3	-	30	-	M16X30
200	CFS200S	220	122	43	175	60	7	20	11	75	35	6,3	-	30	-	M16X30
250	CFS250S	270	125	49	220	70	11	25	11	90	40	8,3	-	40	-	M20X35
320	CFS320S	350	150	60	270	80	11	30	15	110	50	8,3	-	50	-	M24X40

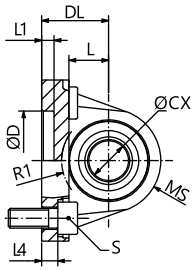
ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

CERNIERA MASCHIO CON TESTINA SNODATA MP6
MALE HINGE WITH SPHERICAL HEAD MP6

CMS S



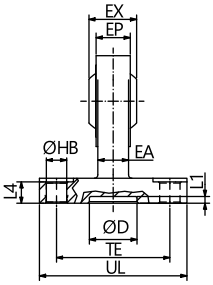


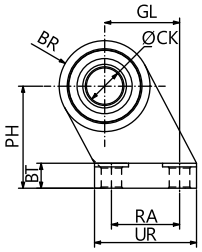


Ø	COD	TG	ØCX	DL	L	EX	EP	S	L4	D	L1	E	MS	L3	R1
32	CMS032S	32,5	10	22	12	14	10,5	M6X20	5,5	30	5	45	16	-	-
40	CMS040S	38	12	25	15	16	12	M6X20	5,5	35	5	55	18	-	-
50	CMS050S	46,5	16	27	15	21	15	M8X20	6,5	40	5	65	21	51	19
63	CMS063S	56,5	16	32	20	21	15	M8X20	6,5	45	5	75	23	-	-
80	CMS080S	72	20	36	20	25	18	M10X25	10	45	5	95	28	70	24
100	CMS100S	89	20	41	25	25	18	M10X25	10	55	5	115	30	-	-
125	CMS125S	110	30	50	30	37	25	M12X25	10	60	7	140	40	102	35
160	CMS160S	140	35	55	35	43	28	M16X30	10	65	7	180	44	-	-
200	CMS200S	175	35	60	35	43	28	M16X30	11	75	7	220	47	-	-
250	CMS250S	220	40	70	-	49	35	M20X35	11	90	11	270	-	-	-
320	CMS320S	270	50	80	-	60	45	M24X40	15	110	11	350	-	170	56

ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA
SQUARE JOINT WITH SPHERICAL HEAD

ARS S

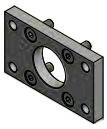


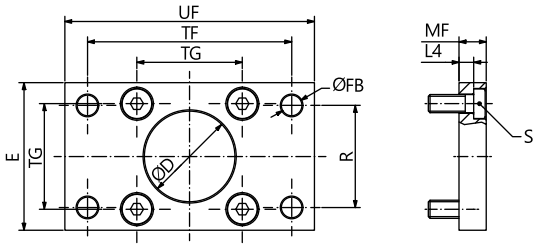


Ø	COD	ØHB	RA	UR	GL	BT	PH	TE	UL	BR	EP	ØCK	L4	ØD	L1	EA	EX
32	ARS032S	6,6	18	31	21	10	32	38	51	15	10,5	10	8,5	20	5	8,5	14
40	ARS040S	6,6	22	35	24	10	36	41	54	18	12	12	8,5	25	5	10	16
50	ARS050S	9	30	45	33	12	45	50	65	20	15	16	10,5	30	5	13,5	21
63	ARS063S	9	35	50	37	12	50	52	67	23	15	16	10,5	30	5	13,5	21
80	ARS080S	11	40	60	47	14	63	66	86	27	18	20	11,5	45	5	15	25
100	ARS100S	11	50	70	55	15	71	76	96	30	18	20	12,5	55	5	15	25
125	ARS125S	13,5	60	90	70	20	90	94	124	40	25	30	17	65	7	20	37
160	ARS160S	14	88	125	97	25	115	118	156	42	28	35	21	-	-	30	43
200	ARS200S	18	90	130	105	30	135	122	162	42	28	35	26	-	-	30	43
250	ARS250S	22	110	160	128	35	165	150	200	52	35	40	31	-	-	35	49
320	ARS320S	26	122	180	150	40	200	170	230	62	45	50	36	-	-	45	60

FLANGIA MF1-MF2
FLANGE MF1-MF2

FL2 S

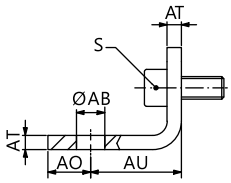


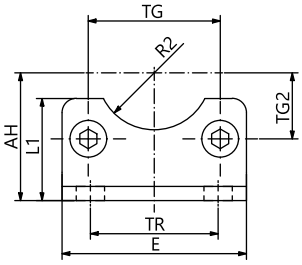


Ø	COD	TG	ØD	ØFB	R	TF	L4	S	UF	E	MF
32	FL2032S	32,5	30	7	32	64	5	M6X20	80	45	10
40	FL2040S	38	35	9	36	72	5	M6X20	90	52	10
50	FL2050S	46,5	40	9	45	90	6,5	M8X20	110	65	12
63	FL2063S	56,5	45	9	50	100	6,5	M8X20	120	75	12
80	FL2080S	72	45	12	63	126	9	M10X25	150	95	16
100	FL2100S	89	55	14	75	150	9	M10X25	170	115	16
125	FL2125S	110	60	16	90	180	10,5	M12X25	205	140	20
160	FL2160S	140	65	18	115	230	9,5	M16X30	260	180	20
200	FL2200S	175	75	22	135	270	12,5	M16X30	300	220	25
250	FL2250S	220	90	26	165	330	10,5	M20X35	400	285	25
320	FL2320S	270	110	33	200	400	15	M24X40	470	350	30

PIEDINO BASSO MS1
LOW-RISE PEDESTRAL MS1

PDB S





Ø	COD	TG	TG2	AH	R2	ØAB	AO	AU	TR	AT	S	L1	E
32	PDB032S	32,5	16,25	32	15	7	11	24	32	4	M6X16	30	45
40	PDB040S	38	19	36	17,5	10	8	28	36	4	M6X16	30	52
50	PDB050S	46,5	23,25	45	20	10	15	32	45	5	M8X20	36	65
63	PDB063S	56,5	28,25	50	22,5	10	13	32	50	5	M8X20	35	75
80	PDB080S	72	36	63	22,5	12	14	41	63	6	M10X20	47	95
100	PDB100S	89	44,5	71	27,5	14,5	16	41	75	6	M10X20	53	115
125	PDB125S	110	55	90	30	16,5	25	45	90	8	M12X25	70	140
160	PDB160S	140	70	115	32,5	18,5	15	60	115	10	M16X30	100	180
200	PDB200S	175	87,5	135	37,5	24	30	70	135	12	M16X30	109	220

ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

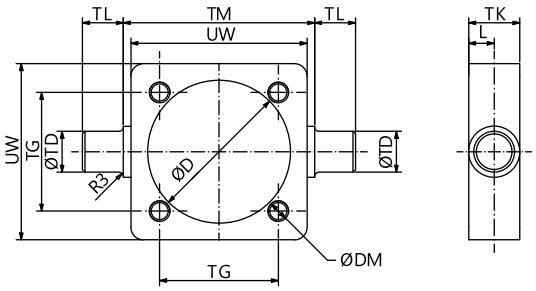
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
CIA	**050**	**S**	**0**	**S**
CIF **Cerniera intermedia fissa** *Intermediate not-adjust. hinge*	**032** **Ø32**	**S** **Acciaio** *Steel*	**0** **Standard** *Standard*	**S** **Pacchetto singolo** *Single bag*
CIR **Cerniera intermedia regolabile** *Adjustable intermediate hinge*	**...**			**B** **Componenti sciolti** *Bulk*
COS **Cerniera anteriore-posteriore** *Front-rear hinge*	**320** **Ø320**			
CIA **Cerniera intermedia profilata** *Profiled intermediate hinge*				
SCI **Supporto per cerniera** *Support for intermediate hinge*				

CERNIERA INTERMEDIA FISSA MT4

NOT-ADJUSTABLE INTERMEDIATE HINGE MT4

CIF S

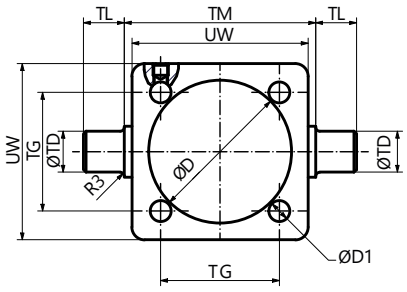


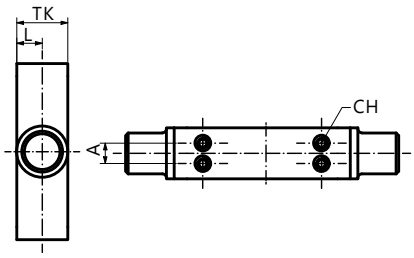
Ø	COD	TG	TM	TL	TK	ØTD	ØD	ØDM	UW
32	CIF032S	32,5	50	12	15	12	37	M6	46
40	CIF040S	38	63	16	20	16	46	M6	59
50	CIF050S	46,5	75	16	20	16	56	M8	69
63	CIF063S	56,5	90	20	25	20	69	M8	84
80	CIF080S	72	110	20	25	20	87	M10	102
100	CIF100S	89	132	25	30	25	107	M10	125
125	CIF125S	110	160	25	32	25	134	M12	155
160	CIF160S	140	200	32	40	32	171	M16	190
200	CIF200S	175	250	32	40	32	214	M16	240
250	CIF250S	220	320	40	56	40	268	M20	304
320	CIF320S	270	400	50	70	50	343	M24	370

CERNIERA INTERMEDIA REGOLABILE MT4

ADJUSTABLE INTERMEDIATE HINGE MT4

CIR S



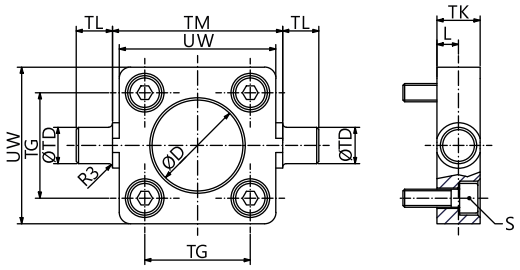


Ø	COD	TG	TM	TL	TK	ØTD	ØD	ØD1	UW
32	CIR032S	32,5	50	12	15	12	37	6,25	46
40	CIR040S	38	63	16	20	16	46	6,25	59
50	CIR050S	46,5	75	16	20	16	56	8,25	69
63	CIR063S	56,5	90	20	25	20	69	8,25	84
80	CIR080S	72	110	20	25	20	87	10,25	102
100	CIR100S	89	132	25	30	25	107	10,25	125
125	CIR125S	110	160	25	32	25	134	12,25	155
160	CIR160S	140	200	32	40	32	171	16,25	190
200	CIR200S	175	250	32	40	32	214	16,25	240
250	CIR250S	220	320	40	56	40	268	20,25	304
320	CIR320S	270	400	50	70	50	343	24,25	370

ACCESSORI ISO15552
ISO15552 MOUNTING ACCESSORIES

CERNIERA ANTERIORE-POSTERIORE MT5-MT6
FRONT-REAR HINGE MT5-MT6

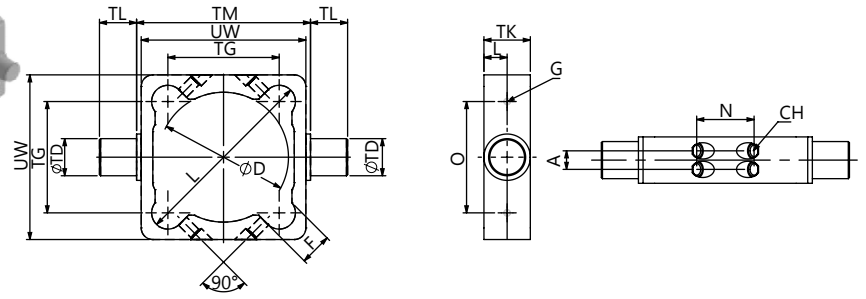
COS S



Ø	COD	TG	UW	TM	TL	ØTD	ØD	TK	R3	L	S
32	COS032S	32,5	46	50	12	12	30	14	1	6,5	M6X20
40	COS040S	38	59	63	16	16	35	19	1,5	9	M6X25
50	COS050S	46,5	69	75	16	16	40	19	1,6	9	M8X25
63	COS063S	56,5	84	90	20	20	45	24	1,6	11,5	M8X30
80	COS080S	72	102	110	20	20	45	24	1,6	11,5	M10X30
100	COS100S	89	125	132	25	25	55	29	2	14	M10X35
125	COS125S	110	150	160	25	25	60	30	2	15	M12X35
160	COS160S	140	180	200	32	32	65	40	2,5	20	M16X45
200	COS200S	175	250	250	32	32	75	40	2,5	20	M16X45

CERNIERA INTERMEDIA SAGOMATA PER SERIE SA
PROFILED INTERMEDIATE HINGE FOR SA SERIES

CIA S

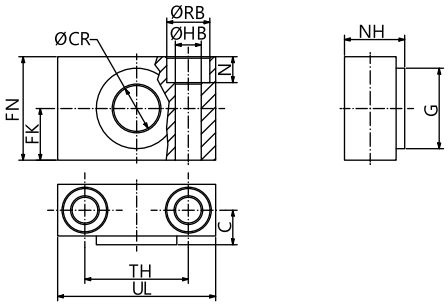


Ø	COD	TG	UW	TK	ØTD	TL	TM	ØD	L	CH	F	N	A	O
32	CIA032S	33	48,5	18	12	12	50	37	57	M5	11	15,5	7	-
40	CIA040S	38	59	20	16	16	63	46	64	M6	11	20	8	-
50	CIA050S	48	71	20	16	16	75	56	82	M6	14	22,5	8	-
63	CIA063S	58	84	26	20	20	90	69	96	M6	14	30	12	-
80	CIA080S	73	105	26	20	20	110	87	119	M6	16	45	12	58
100	CIA100S	91	129	32	25	25	132	107	144,5	M8	17	60	15	74
125	CIA125S	116	154	33	25	25	160	133	181	M8	18	85,5	15	104

SUPPORTO PER CERNIERA INTERMEDIA AT4

SUPPORT FOR INTERMEDIATE HINGE AT4

SCI S



Ø	COD	UL	FN	FK	TH	ØRB	ØHB	N	NH	C	CR	G
32	SCI032S	46	30	15	32	11	6,6	7	18	10,2	12	22
40-50	SCI040S	55	36	18	36	15	9	9	21	12	16	28
63-80	SCI063S	65	40	20	42	18	11	11	23	13	20	32
100-125	SCI100S	75	50	25	50	20	14	13	28,5	16	25	39
160-200	SCI160S	92	60	30	60	26	17,7	17	40	22,5	32	48
250	SCI250S	140	70	35	90	33	22	20	56	31	40	60
320	SCI320S	150	80	40	100	39	26	25	60	32,5	50	70

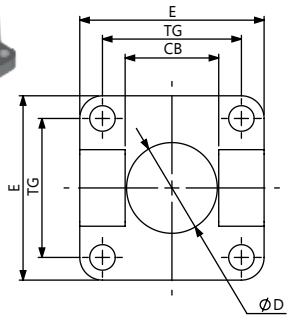
ACCESSORI CNOMO
CNOMO MOUNTING ACCESSORIES

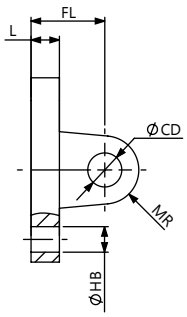
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
OFE	**050**	**S**	**0**	**S**
OFE **Cerniera femmina CNOMO** *CNOMO female hinge*	**032** **Ø32**	**A** **Alluminio** *Aluminum*	**0** **Solo corpo** *Only accessory*	**S** **Pacchetto singolo** *Single bag*
OMA **Cerniera normale CNOMO** *CNOMO normal hinge*	**...**	**S** **Acciaio** *Steel*	**1** **Con viti** *With screws*	**B** **Componenti sciolti** *Bulk*
ARO **Articolazione a squadra CNOMO** *CNOMO square joint*	**200** **Ø200**		**2** **Con viti e perno** *With screws and pin*	
PD4 **Piedino alto CNOMO** *CNOMO high pedestral*				
FL6 **Flangia lamata CNOMO** *CNOMO spot faced flange*				
FL7 **Flangia filettata CNOMO** *CNOMO threaded flange*				
PD3 **Piedino basso CNOMO** *CNOMO low-rise pedestral*				
PRB **Perno per cerniera femmina** *Pin for female hinge*				
CIB **Cerniera intermedia fissa** *CNOMO intermediate hinge*				
CIC **Cerniera intermedia regolabile** *CNOMO adjustable int. hinge*				

CERNIERA FEMMINA CNOMO
CNOMO FEMALE HINGE

CFE A

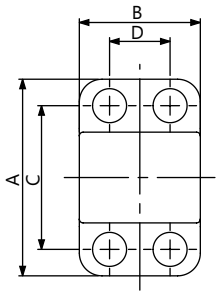


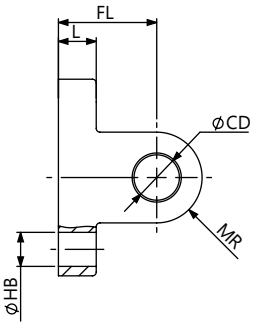


Ø	COD	TG	E	ØHB	L	CB	MR	FL	ØCD
32	OFE032A	33	45	7	8	26	8	18	8
40	OFE040A	40	52	7	8	33	12	24	12
50	OFE050A	49	65	9	10	33	12	26	12
63	OFE063A	59	75	9	10	47	16	30	16
80	OFE080A	75	95	11	12	47	16	32	16
100	OFE100A	90	115	11	12	57	20	37	20
125	OFE125A	110	140	14	16	57	21	41	20
160	OFE160A	140	180	18	20	72	25	55	25
200	OFE200A	175	220	18	20	72	25	55	25

CERNIERA NORMALE CNOMO
CNOMO NORMAL HINGE

OMA A



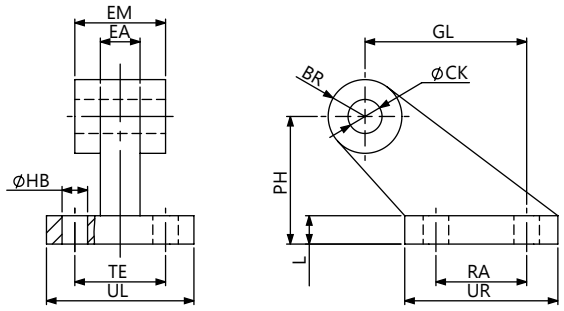


Ø	COD	A	B	C	D	L	ØCD	ØHB	FL
32	OMA032A	40	25	28	-	8	7	7	18
40	OMA040A	52	32	38	16	10	9	9	26
50	OMA050A	52	32	38	16	10	9	9	26
63	OMA063A	75	46	54	25	12	11	11	34
80	OMA080A	75	46	54	25	12	11	11	34
100	OMA100A	115	56	90	32	16	14	14	41
125	OMA125A	115	56	90	32	16	14	14	41
160	OMA160A	180	71	150	43	20	18	18	55
200	OMA200A	180	71	150	43	20	18	18	55

ACCESSORI CNOMO
CNOMO MOUNTING ACCESSORIES

ARTICOLAZIONE A SQUADRA CNOMO
CNOMO SQUARE JOINT

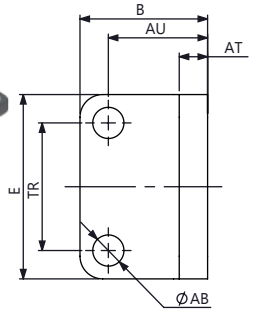
ARO A

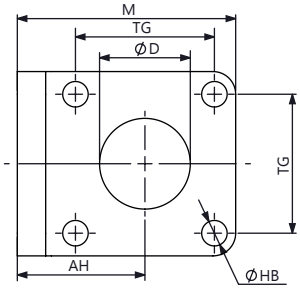


Ø	COD	ØHB	RA	UR	L	PH	TE	UL	EA	EM	ØCK
32	ARO032A	7	20	37	8	32	25	41	9	25	8
40	ARO040A	9	32	54	10	45	32	52	14	32	12
50	ARO050A	9	32	54	10	45	32	52	14	32	12
63	ARO063A	11	50	75	13	63	40	63	14	46	16
80	ARO080A	11	50	75	13	63	40	63	14	46	16
100	ARO100A	14	70	103	17	90	50	80	22	56	20
125	ARO125A	14	70	103	17	90	50	80	22	56	20
160	ARO160A	18	110	154	20	140	63	110	26	70	25
200	ARO200A	18	110	154	20	140	63	110	26	70	25

PIEDINO ALTO CNOMO
CNOMO HIGH PEDESTRAL

PD4 A

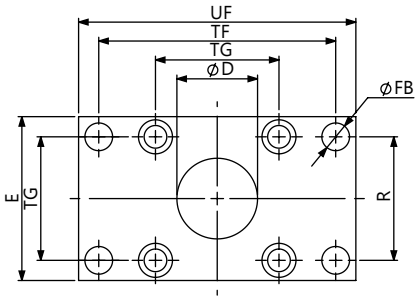




Ø	COD	TG	AT	TR	ØHB	E	M	ØAB	ØD	AU	B
32	PD4032A	33	8	28	7	45	54	9	25	27	35
40	PD4040A	40	8	36	7	52	62	9	32	27	35
50	PD4050A	49	10	45	9	65	77	11	32	35	45
63	PD4063A	59	10	55	9	75	87	11	45	35	45
80	PD4080A	75	12	70	11	95	110	14	45	43	55
100	PD4100A	90	12	90	11	115	130	14	55	43	55
125	PD4125A	110	16	110	14	140	161	18	55	52	68
160	PD4160A	140	20	130	18	180	205	22	65	62	82
200	PD4200A	175	20	170	18	220	245	22	65	62	92

FLANGIA LAMATA CNOMO
CNOMO SPOT FACED FLANGE

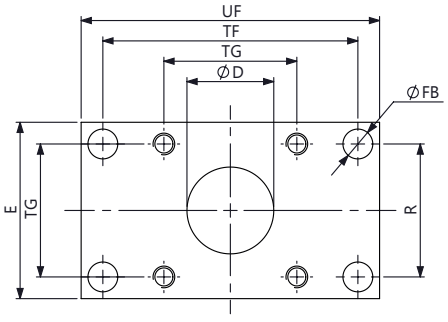
FL6 S



Ø	COD	TG	ØFB	ØD	ØHB	MF	E	R	TF	UF	ØRB	L4
32	FL6032S	33	9	25	6,5	8	45	33	69	80	10,5	6
40	FL6040S	40	9	32	6,5	8	52	40	78	90	10,5	6
50	FL6050S	49	11	32	9	10	65	49	94	110	13,5	8
63	FL6063S	59	11	45	9	10	75	59	104	120	13,5	8
80	FL6080S	75	14	45	10,5	12	95	75	130	150	16,5	10
100	FL6100S	90	14	55	10,5	12	115	90	150	170	16,5	10
125	FL6125S	110	18	55	13,5	16	140	110	180	205	19	12,5
160	FL6160S	140	22	65	16,5	20	180	140	228	260	24,5	16,5
200	FL6200S	175	22	65	16,5	20	220	175	268	300	24,5	16,5

FLANGIA FILETTATA CNOMO
CNOMO THREADED FLANGE

FL7 S

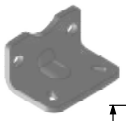


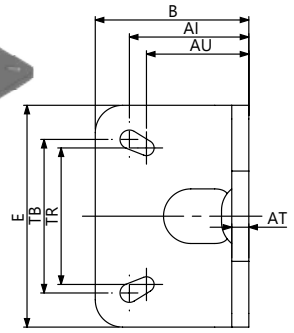
Ø	COD	TG	ØFB	ØD	ØHM	MF	E	R	TF	UF	ØRB	L4
32	FL7032S	33	9	25	M6	8	45	33	68	80	10,5	6
40	FL7040S	40	9	32	M6	8	52	40	78	90	10,5	6
50	FL7050S	49	11	32	M8	10	65	49	94	110	13,5	8
63	FL7063S	59	11	45	M8	10	75	59	104	120	13,5	8
80	FL7080S	75	14	45	M10	12	95	75	130	150	16,5	10
100	FL7100S	90	14	55	M10	12	115	90	150	170	16,5	10
125	FL7125S	110	18	55	M12	16	140	110	180	205	19	12,5
160	FL7160S	140	22	65	M16	20	180	140	228	260	24,5	16,5
200	FL7200S	175	22	65	M16	20	220	175	268	300	24,5	16,5

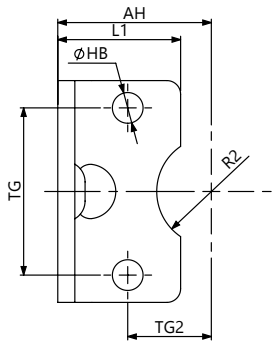
ACCESSORI CNOMO
CNOMO MOUNTING ACCESSORIES

PIEDINO BASSO CNOMO
CNOMO LOW-RISE PEDESTRAL

PD3 S



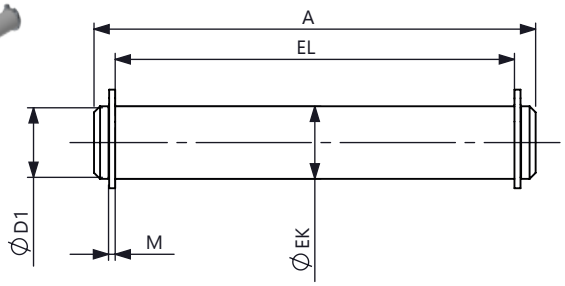




Ø	COD	TB	TR	TG	E	B	L1	ØHB	AU	AI	RZ	AT	AH
32	PD3032S	28	32	33	45	35	30	7	22	27	12,5	4	32
40	PD3040S	36	36	40	52	36	30	7	26	27	16	4	36
50	PD3050S	45	45	49	65	45	36	9	30	35	16	5	45
63	PD3063S	55	50	59	75	45	35	9	30	35	22,5	5	50
80	PD3080S	70	63	75	95	55	45	11	37	43	22,5	6	63
100	PD3100S	90	75	90	115	56	44	11	37,5	43	27,5	6	73
125	PD3125S	100	-	110	140	70	70	14	-	52	27,5	8	91
160	PD3160S	130	-	140	180	75	100	18	-	62	32,5	10	115
200	PD3200S	170	-	175	220	100	100	18	-	62	32,5	12	135

PERNO PER CERNIERA FEMMINA CNOMO
PIN FOR CNOMO FEMALE HINGE

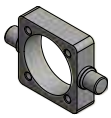
PRB S

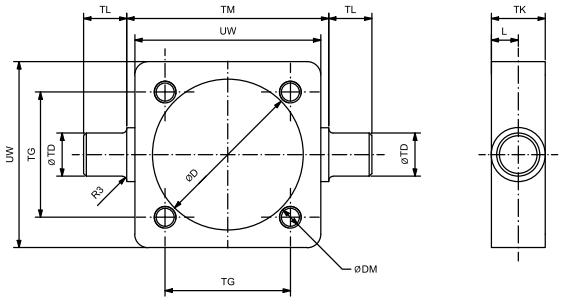


Ø	COD	ØD1	EL	ØEK	M	A
32	PRB032S	8	46	7,6	1,1	53
40	PRB040S	12	53	11,5	1,1	60
50	PRB050S	12	66	11,5	1,1	73
63	PRB063S	16	76	15,2	1,1	83
80	PRB080S	16	96	15,2	1,1	103
100	PRB100S	20	117	19	1,3	124
125	PRB125S	20	142	19	1,3	149
160	PRB160S	25	182	23,9	1,3	189
200	PRB200S	25	222	23,9	1,3	229

CERNIERA INTERMEDIA FILETTATA CNOMO
CNOMO INTERMEDIATE THREADED HINGE

CIB S

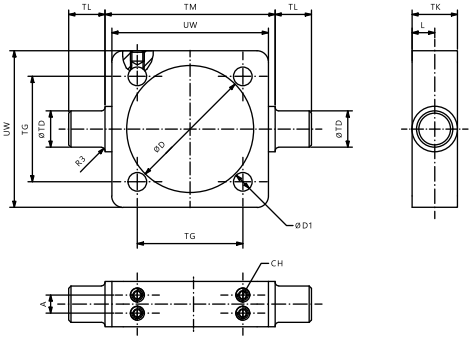




Ø	COD	TG	UW	TK	ØTD	TL	TM	ØD	ØDM
32	CIB032S	33	46	15	12	12	50	37	M6
40	CIB040S	40	59	20	16	16	63	49	M6
50	CIB050S	49	69	20	16	16	73	56	M8
63	CIB063S	59	84	25	20	20	90	69	M8
80	CIB080S	75	102	25	20	20	108	87	M10
100	CIB100S	90	125	30	25	25	131	107	M10
125	CIB125S	110	155	32	25	25	160	133,5	M12
160	CIB160S	140	190	40	32	32	200	171	M16
200	CIB200S	175	240	40	32	32	250	211	M16

CERNIERA INTERMEDIA REGOLABILE CNOMO
CNOMO INTERMEDIATE ADJUSTABLE HINGE

CIC S



Ø	COD	TG	UW	TK	ØTD	TL	TM	ØD	ØD1	CH
32	CIC032S	33	46	15	12	12	50	37	6,25	M5
40	CIC040S	40	59	20	16	16	63	49	6,25	M5
50	CIC050S	49	69	20	16	16	73	56	8,25	M6
63	CIC063S	59	84	25	20	20	90	69	8,25	M6
80	CIC080S	75	102	25	20	20	108	87	10,25	M8
100	CIC100S	90	125	30	25	25	131	107	10,25	M8
125	CIC125S	110	155	32	25	25	160	133,5	12,25	M10
160	CIC160S	140	190	40	32	32	200	171	16,25	M12
200	CIC200S	175	240	40	32	32	250	211	16,25	M12

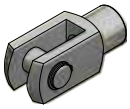
ACCESSORI STELO INOX
PISTON ROD STAINLESS STEEL ACCESSORIES

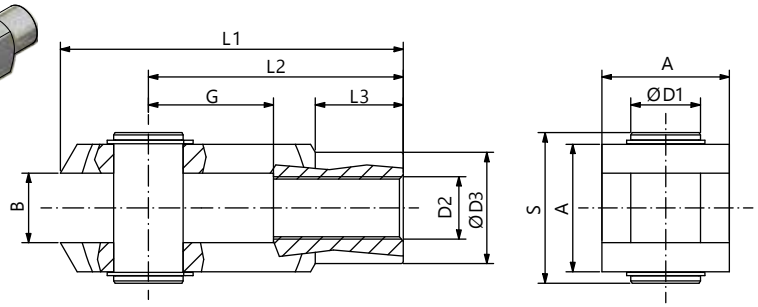
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Filetto Thread	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
FFC	**10150**	**I**	**0**	**S**
FFP **Forcella con pin** *Clevis with pin*	**04070** M4X07	**I** **Acciaio inox** *Stainless steel*	**0** **Standard** *Standard*	**S** **Pacchetto singolo** *Single bag*
TSN **Testa a snodo** *Rod end*	**06100** M6X1			**B** **Componenti sciolti** *Bulk*
DES **Dado esagonale stelo** *Hexagonal piston rod nut*	**08125** M8X1,25			
DET **Dado esagonale testata** *Hexagonal cover nut*	**08150** M8X1,50			
GHI **Ghiera testata** *Cover slotted nut*	**10125** M10X1,25			
	10150 M10X1,50			
	12125 M12X1,25			
	12175 M12X1,75			
	16150 M16X1,50			
	16200 M16X2			
	20150 M20X1,50			
	27200 M27X2			
	36200 M36X2			

FORCELLA FEMMINA CON PERNO
FEMALE CLEVIS WITH PIN

FFP I

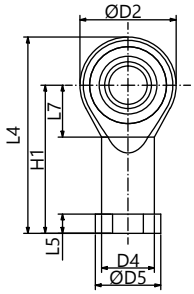


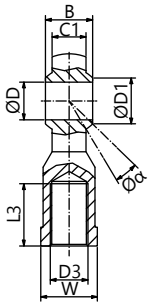


Ø	COD	D2	B	A	ØD1	S	G	L2	L1	L3	ØD3
12 - 16	FFP06100I	M6X1	6	12	6	17	12	24	31	9	10
20	FFP08125I	M8X1,25	8	16	8	21	16	32	42	12	14
25 - 32	FFP10125I	M10X1,25	10	20	10	25	20	40	52	15	18
32	FFP10150I	M10X1,5	10	20	10	25	20	40	52	15	18
40	FFP12125I	M12X1,25	12	24	12	30	24	48	62	18	20
40	FFP12175I	M12X1,75	12	24	12	30	24	48	62	18	20
50 - 63	FFP16150I	M16X1,5	16	32	16	39	32	64	83	24	26
80-100	FFP20150I	M20X1,5	20	40	20	48	40	80	105	30	34
125	FFP27200I	M27X2	30	55	30	65	54	110	148	38	48
160-200	FFP36200I	M36X2	35	70	35	84	72	144	188	40	60

TESTA A SNODO
ROD END

TSN I



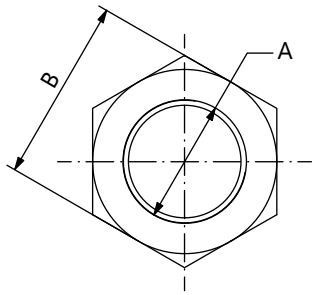


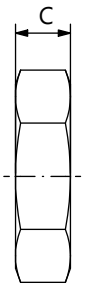
Ø	COD	D3	L3	a°	ØD	ØD1	C1	B	ØD4	ØD5	L5	L7	H1	L4	ØD2
08 - 10	TSN04070I	M4X0,7	10	13°	5	7,7	6	8	9	11	4	10	27	36	18
12 - 16	TSN06100I	M6X1	12	13°	6	8,9	6,75	9	10	13	5	11	30	40	20
20	TSN08125I	M8X1,25	16	14°	8	10,4	9	12	12,5	16	5	13	36	48	24
25 - 32	TSN10125I	M10X1,25	20	13°	10	12,9	10,5	14	15	19	6,5	15	43	57	28
32	TSN10150I	M10X1,5	20	13°	10	12,9	10,5	14	15	19	6,5	15	43	57	28
40	TSN12125I	M12X1,25	22	13°	12	15,4	12	16	17,5	22	6,5	17	50	66	32
40	TSN12175I	M12X1,75	22	13°	12	15,4	12	16	17,5	22	6,5	17	50	66	32
50 - 63	TSN16150I	M16X1,5	28	15°	16	19,3	15	21	22	27	8	23	64	85	42
80-100	TSN20150I	M20X1,5	33	14°	20	24,3	18	25	27,5	34	10	27	77	102	50
125	TSN27200I	M27X2	51	17°	30	34,8	25	37	40	50	15	36	110	145	70
160-200	TSN36200I	M36X2	56	19°	35	37,7	28	43	46	58	17	41	125	165	80

ACCESSORI STELO INOX
PISTON ROD STAINLESS STEEL ACCESSORIES

DADO ESAGONALE STELO
HEXAGONAL PISTON ROD NUT

DES I

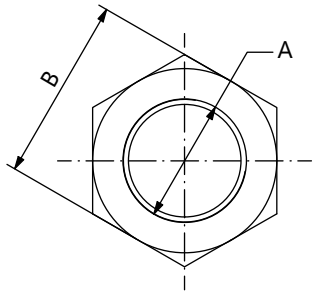


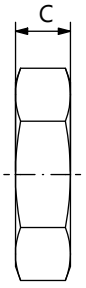


Ø	COD	A	C	B
08 - 10	DES04070I	M4X0,7	3,2	7
12 - 16	DES06100I	M6X1	4	10
20	DES08125I	M8X1,25	5	13
25 - 32	DES10125I	M10X1,25	6	17
32	DES10150I	M10X1,5	6	17
40	DES12125I	M12X1,25	7	19
40	DES12175I	M12X1,75	7	19
50-63	DES16150I	M16X1,5	8	24
80-100	DES20150I	M20X1,5	9	30
125	DES27200I	M27X2	12	41
160-200	DES36200I	M36X2	14	55

DADO ESAGONALE TESTATA
HEXAGONAL COVER NUT

DET I

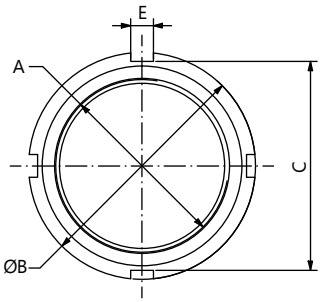


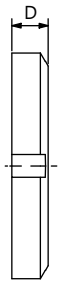


Ø	COD	A	C	B
08 - 10	DET12125I	M12X1,25	5	19
12 - 16	DET16150I	M16X1,5	5	22
20 - 25	DET22150I	M22X1,5	8	27

GHIERA TESTATA
COVER SLOTTED NUT

GHI I





Ø	COD	A	ØB	C	D	E
32	GHI30150I	M30X1,5	45	40	7	5
40	GHI38150I	M38X1,5	50	46	8	5
50 - 63	GHI45150I	M45X1,5	58	52	9	6

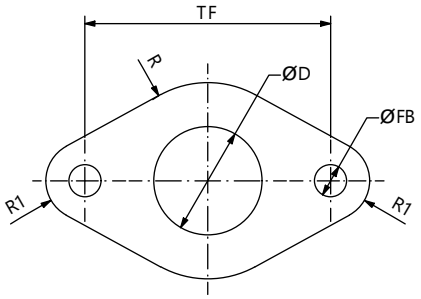
ACCESSORI ISO6432 INOX
ISO6432 STAINLESS STEEL ACCESSORIES

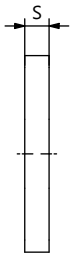
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
FL1	**008**	**I**	**0**	**S**
FL1 **Flangia MF8** *Flange MF8*	**008** **Ø8-Ø10**	**I** **Acciaio inox** *Stainless steel*	**0** **Standard** *Standard*	**S** **Pacchetto singolo** *Single bag*
PD1 **Piedino MS3** *Pedestral MS3*	**012** **Ø12-Ø16**			**B** **Componenti sciolti** *Bulk*
CF1 **Cerniera femmina MP3** *Female hinge MP3*	**020** **Ø20-Ø25**			

FLANGIA MF8
FLANGE MF8

FL1 I

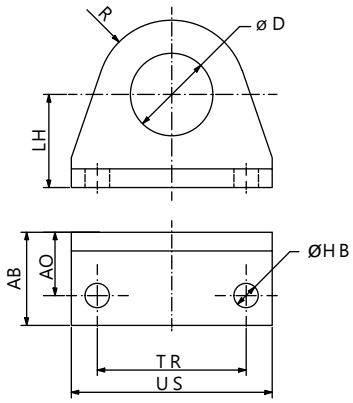


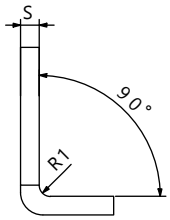


Ø	COD	ØD	ØFB	TF	R	R1	S
08 - 10	FL1008I	12	4,5	30	11	5	3
12 - 16	FL1012I	16	5,5	40	15	6	4
20 - 25	FL1020I	22	6,5	50	20	8	5

PIEDINO MS3
PEDESTRAL MS3

PD1 I

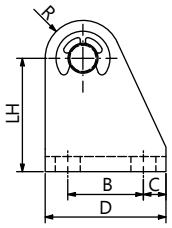


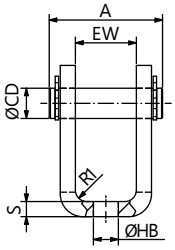


Ø	COD	TR	ØD	S	ØHB	AO	AB	US	LH	R	R1
08 - 10	PD1008I	25	12	3	4,5	11	16	35	16	10	1,5
12 - 16	PD1012I	32	16,1	4	5,5	14	20	42	20	13	2
20 - 25	PD1020I	40	22,1	5	6,6	17	25	54	25	20	2,5

CERNIERA FEMMINA CON PERNO MP3
FEMALE HINGE WITH PIN MP3

CF1 I





Ø	COD	D	LH	ØCD	S	C	B	EW	ØHB	A	R	R1
08 - 10	CF1008I	22	24	4	2,5	4,75	12,5	8,1	4,5	18	5	1,5
12 - 16	CF1012I	25	27	6	3	5	15	12,1	5,5	24	7	1,5
20 - 25	CF1020I	32	30	8	4	6	20	16,1	6,6	31	10	2

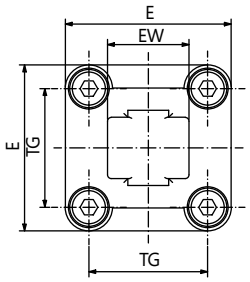
ACCESSORI ISO15552 INOX
ISO15552 STAINLESS STEEL MOUNTING ACCESSORIES

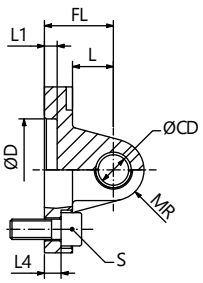
CHIAVE DI CODIFICA / *KEY CODE*

Tipologia *Type*	Ø Cilindro *Cylinder Ø*	Materiale *Material*	Fornitura *Supply condition*	Packaging *Packaging*
CFE	**050**	**I**	**0**	**S**
CFE **Cerniera femmina MP2** *Female hinge MP2*	**032** **Ø32**	**I** **Acciaio inox** *Stainless steel*	**0** **Solo corpo** *Only accessory*	**S** **Pacchetto singolo** *Single bag*
CMA **Cerniera maschio MP4** *Male hinge MP4*	**...**		**1** **Con viti** *With screws*	**B** **Componenti sciolti** *Bulk*
ARQ **Articolazione a squadra AB7** *Square joint AB7*	**200** **Ø200**		**2** **Con viti e perno** *With screws and pin*	
PRI **Perno ISO AA4** *ISO Pin AA4*				
CFS **Cerniera femmina stretta AB7** *Narrow female hinge AB7*				
CMS **Cerniera maschio snodata MP6** *Male hinge w spherical head MP6*				
PRA **Perno antirotazione AA6** *Antirotation pin AA6*				
ARS **Articolazione a squadra snodata** *Square joint w spherical head*				
FL2 **Flangia MF1-MF2** *Flange MF1-MF2*				
PDB **Piedino basso MS1** *Low-rise pedestral MS1*				
CIR **Cerniera intermedia regolabile** *Adjustable intermediate hinge*				

CERNIERA FEMMINA MP2
FEMALE HINGE MP2

CFE I

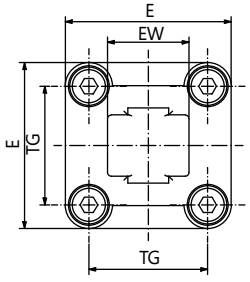


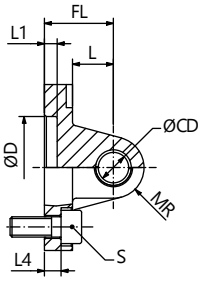


Ø	COD	TG	CB	UB	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CFE032I	32,5	26	45	10	22	13	30	5	5,5	M6X20	10	45
40	CFE040I	38	28	52	12	25	16	35	5	5,5	M6X20	12	55
50	CFE050I	46,5	32	60	12	27	16	40	5	6,5	M8X20	12	65
63	CFE063I	56,5	40	70	16	32	21	45	5	6,5	M8X20	16	75
80	CFE080I	72	50	90	16	36	22	45	5	10	M10X25	16	95
100	CFE100I	89	60	110	20	41	27	55	5	10	M10X25	20	115
125	CFE125I	110	70	130	25	50	30	60	7	10	M12X25	25	140
160	CFE160I	140	90	170	30	55	35	65	7	10	M16X30	25	180
200	CFE200I	175	90	170	30	60	35	75	7	11	M16X30	25	220

CERNIERA MASCHIO MP4
MALE HINGE MP4

CMA I



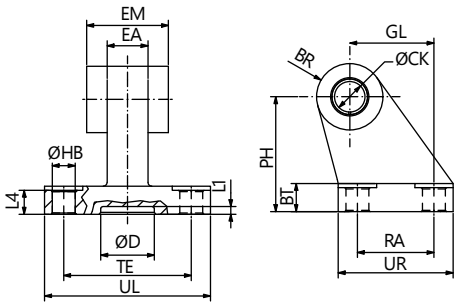


Ø	COD	TG	EW	ØCD	FL	L	ØD	L1	L4	S	MR	E
32	CMA032I	32,5	26	10	22	13	30	5	5,5	M6X20	10	45
40	CMA040I	38	28	12	25	16	35	5	5,5	M6X20	12	55
50	CMA050I	46,5	32	12	27	16	40	5	6,5	M8X20	12	65
63	CMA063I	56,5	40	16	32	21	45	5	6,5	M8X20	16	75
80	CMA080I	72	50	16	36	22	45	5	10	M10X25	16	95
100	CMA100I	89	60	20	41	27	55	5	10	M10X25	20	115
125	CMA125I	110	70	25	50	30	60	7	10	M12X25	25	140
160	CMA160I	140	90	30	55	35	65	7	10	M16X30	25	180
200	CMA200I	175	90	30	60	35	75	7	11	M16X30	25	220

ACCESSORI ISO15552 INOX
ISO15552 STAINLESS STEEL MOUNTING ACCESSORIES

ARTICOLAZIONE A SQUADRA AB7
SQUARE JOINT AB7

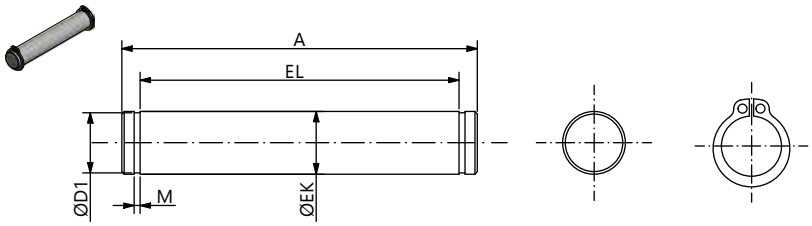
ARQ I



Ø	COD	ØCK	EM	BR	PH	GL	ØHB	L4	BT	TE	RA	ØD	L1	UL	UR	EA
32	ARQ032I	10	26	10	32	21	6,6	6,5	8	38	18	20	5	51	31	8,5
40	ARQ040I	12	28	11	36	24	6,6	8,5	10	41	22	25	5	54	35	10
50	ARQ050I	12	32	13	45	33	9	10,5	12	50	30	30	5	65	45	13,5
63	ARQ063I	16	40	15	50	37	9	10,5	12	52	35	35	5	67	50	13,5
80	ARQ080I	16	50	15	63	47	11	11,5	14	66	40	45	5	86	60	15
100	ARQ100I	20	60	19	71	55	11	12,5	15	76	50	55	5	96	70	15
125	ARQ125I	25	70	22,5	90	70	14	17	20	94	60	35	11	124	90	48

PERNO ISO AA4
ISO PIN AA4

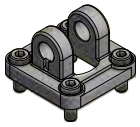
PRI I

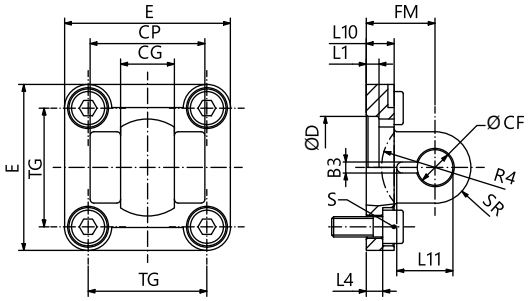


Ø	COD	ØEK	EL	ØD1	M	A
32	PRI032	10	46	9,6	1,1	53
40	PRI040	12	53	11,5	1,1	60
50	PRI050	12	61	11,5	1,1	68
63	PRI063	16	71	15,2	1,1	78
80	PRI080	16	91	15,2	1,1	98
100	PRI100	20	111	19	1,3	118
125	PRI125	25	132	23,9	1,3	139
160-200	PRI160	30	172	28,6	1,6	180

CERNIERA FEMMINA STRETTA AB6
NARROW FEMALE HINGE AB6

CFS I

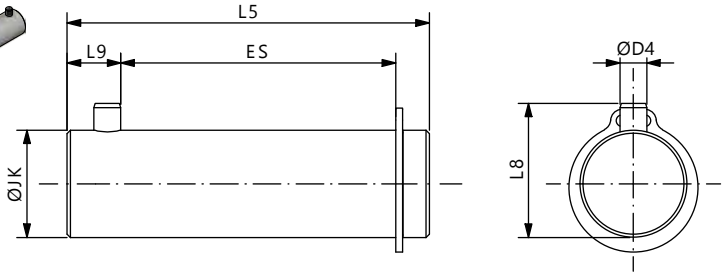




Ø	COD	E	CP	CG	TG	FM	L1	L10	L4	ØD	ØCF	B3	L11	SR	R4	S
32	CFS032I	45	34	14	32,5	22	5	8	5,5	30	10	3,3	16,5	9,5	17	M6X20
40	CFS040I	55	40	16	38	25	5	8	5,5	35	12	4,3	18	12	20	M6X20
50	CFS050I	65	45	21	46,5	27	5	10	6,5	40	16	4,3	23	14	22	M8X20
63	CFS063I	75	51	21	56,5	32	5	10	6,5	45	16	4,3	23	17	25	M8X20
80	CFS080I	95	65	25	72	36	5	13	10	45	20	4,3	277	21	30	M10X25
100	CFS100I	115	75	25	89	41	5	13	10	55	20	4,3	27	21	32	M10X25
125	CFS125I	140	97	37	110	50	7	16	10	60	30	6,3	40	29	42	M12X25

PERNO ANTIROTAZIONE AA6
ANTIROTATION PIN AA6

PRA I

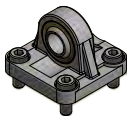


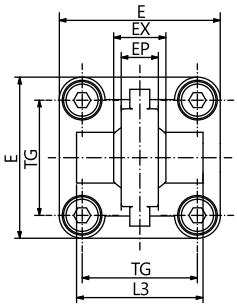
Ø	COD	ØD4	L8	ØJK	L5	L9	ES
32	PRA032	3	14	10	41	6,5	30,5
40	PRA040	4	16	12	48	8	36
50	PRA050	4	20	16	54	8	41
63	PRA063	4	20	16	60	8	47
80	PRA080	4	24	20	75	8	61
100	PRA100	4	24	20	85	8	71
125	PRA125	6	36	30	110	12	91

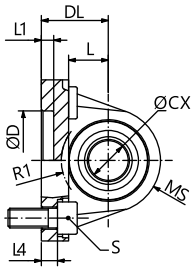
ACCESSORI ISO15552 INOX
ISO15552 STAINLESS STEEL MOUNTING ACCESSORIES

CERNIERA MASCHIO CON TESTINA SNODATA MP6
MALE HINGE WITH SPHERICAL HEAD MP6

CMS I



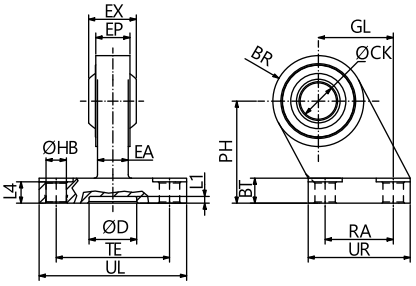




Ø	COD	TG	ØCX	DL	L	EX	EP	S	L4	D	L1	E	MS	L3	R1
32	CMS032I	32,5	10	22	12	14	10,5	M6X20	5,5	30	5	45	16	-	-
40	CMS040I	38	12	25	15	16	12	M6X20	5,5	35	5	55	18	-	-
50	CMS050I	46,5	16	27	15	21	15	M8X20	6,5	40	5	65	21	51	19
63	CMS063I	56,5	16	32	20	21	15	M8X20	6,5	45	5	75	23	-	-
80	CMS080I	72	20	36	20	25	18	M10X25	10	45	5	95	28	70	24
100	CMS100I	89	20	41	25	25	18	M10X25	10	55	5	115	30	-	-
125	CMS125I	110	30	50	30	37	25	M12X25	10	60	7	140	40	102	35

ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA
SQUARE JOINT WITH SPHERICAL HEAD

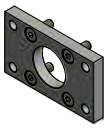
ARS I

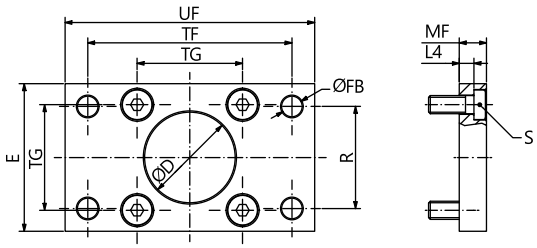


Ø	COD	ØHB	RA	UR	GL	BT	PH	TE	UL	BR	EP	ØCK	L4	ØD	L1	EA	EX
32	ARS032I	6,6	18	31	21	10	32	38	51	15	10,5	10	8,5	20	5	8,5	14
40	ARS040I	6,6	22	35	24	10	36	41	54	18	12	12	8,5	25	5	10	16
50	ARS050I	9	30	45	33	12	45	50	65	20	15	16	10,5	30	5	13,5	21
63	ARS063I	9	35	50	37	12	50	52	67	23	15	16	10,5	30	5	13,5	21
80	ARS080I	11	40	60	47	14	63	66	86	27	18	20	11,5	45	5	15	25
100	ARS100I	11	50	70	55	15	71	76	96	30	18	20	12,5	55	5	15	25
125	ARS125I	13,5	60	90	70	20	90	94	124	40	25	30	17	65	7	20	37

FLANGIA MF1-MF2
FLANGE MF1-MF2

FL2 I

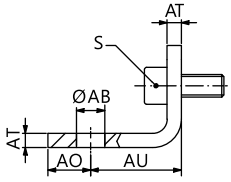


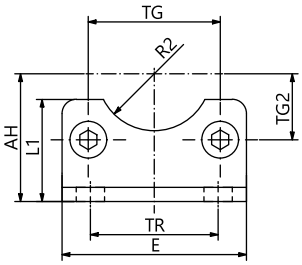


Ø	COD	TG	ØD	ØFB	R	TF	L4	S	UF	E	MF
32	FL2032I	32,5	30	7	32	64	5	M6X20	80	45	10
40	FL2040I	38	35	9	36	72	5	M6X20	90	52	10
50	FL2050I	46,5	40	9	45	90	6,5	M8X20	110	65	12
63	FL2063I	56,5	45	9	50	100	6,5	M8X20	120	75	12
80	FL2080I	72	45	12	63	126	9	M10X25	150	95	16
100	FL2100I	89	55	14	75	150	9	M10X25	170	115	16

PIEDINO BASSO MS1
LOW-RISE PEDESTRAL MS1

PDB I



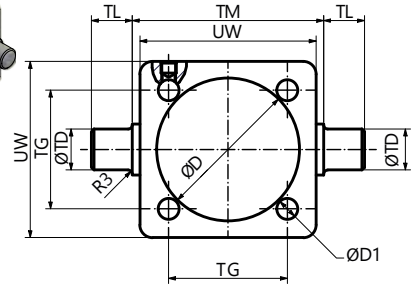


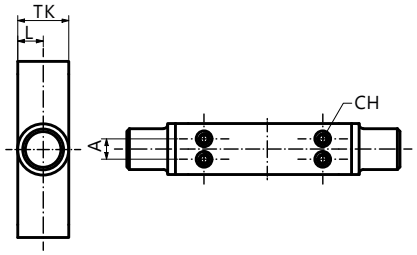
Ø	COD	TG	TG2	AH	R2	ØAB	AO	AU	TR	AT	S	L1	E
32	PDB032I	32,5	16,25	32	15	7	11	24	32	4	M6X16	30	45
40	PDB040I	38	19	36	17,5	10	8	28	36	4	M6X16	30	52
50	PDB050I	46,5	23,25	45	20	10	15	32	45	5	M8X20	36	65
63	PDB063I	56,5	28,25	50	22,5	10	13	32	50	5	M8X20	35	75
80	PDB080I	72	36	63	22,5	12	14	41	63	6	M10X20	47	95
100	PDB100I	89	44,5	71	27,5	14,5	16	41	75	6	M10X20	53	115
125	PDB125I	110	55	90	30	16,5	25	45	90	8	M12X25	70	140
160	PDB160I	140	70	115	32,5	18,5	15	60	115	10	M16X30	100	180
200	PDB200I	175	87,5	135	37,5	24	30	70	135	12	M16X30	109	220

ACCESSORI ISO15552 INOX
ISO15552 STAINLESS STEEL MOUNTING ACCESSORIES

CERNIERA INTERMEDIA REGOLABILE MT4
ADJUSTABLE INTERMEDIATE HINGE MT4

CIR I





Ø	COD	TG	TM	TL	TK	ØTD	ØD	ØD1	UW
32	CIR032I	32,5	50	12	15	12	37	6,25	46
40	CIR040I	38	63	16	20	16	46	6,25	59
50	CIR050I	46,5	75	16	20	16	56	8,25	69
63	CIR063I	56,5	90	20	25	20	69	8,25	84
80	CIR080I	72	110	20	25	20	87	10,25	102
100	CIR100I	89	132	25	30	25	107	10,25	125
125	CIR125I	110	160	25	32	25	134	12,25	155
160	CIR160I	140	200	32	40	32	171	16,25	190
200	CIR200I	175	250	32	40	32	214	16,25	240

UNITÀ DI GUIDA
GUIDE UNIT

Unità di guida per cilindri ISO6432 a ISO15552 realizzate per ridurre al minimo i carichi radiali, per garantire anti-rotazione dello stelo e per una maggiore precisione del movimento. Disponibili nelle versioni con boccole in bronzo sinterizzato o con cuscinetti a ricircolo di sfere e con conformazione costruttiva a "U" o ad "H".

ISO6432 and ISO15552 guiding unit designed to reduce the side load effect, to create a not-rotating and improved movement. Available with bronze guiding bushes or with ball bearings and in "U" shape or "H" shape construction.

MATERIALI STANDARD / *STANDARD MATERIALS*

Corpo *Body*	**Alluminio anodizzato** *Anodized aluminum*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Piastra *Plate*	**Alluminio anodizzato** *Anodized aluminum*
Steli *Rods*	**Acciaio cromato** *Chromium plated steel*

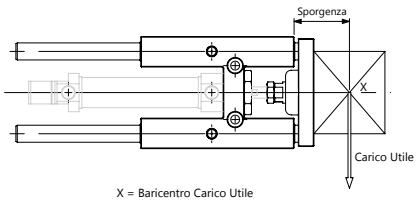
CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*	Materiale stelo *Rod material*	Diametro *Diameter*	Corsa *Stroke*
UG	**U**	**06**	**020**	**0100**
	B **Costruzione ad "H" su boccole in bronzo** *"H" Construction with bronze bushings*	**06** **Acciaio cromato** *Chromium plated steel*	**012** **Ø12**	**XXXX** **corsa** *stroke*
	S **Costruzione ad "H" con cuscinetti a sfere** *"H" Construction with ball bearings*	**04** **Acciaio inox AISI304** *Stainless steel AISI304*	**...**	
	U **Costruzione ad "U" su boccole in bronzo** *"U" Construction with bronze bushings*	**05** **Acciaio inox AISI316** *Stainless steel AISI316*	**100** **Ø100**	

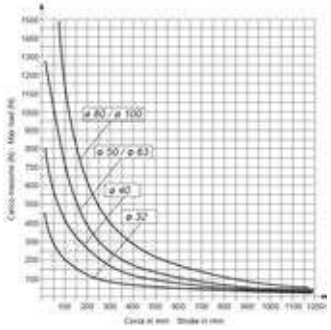
Per altre varianti costruttive e di materiali rivolgersi direttamente all'ufficio commerciale.
For other construction and material variants please contact the commercial department.

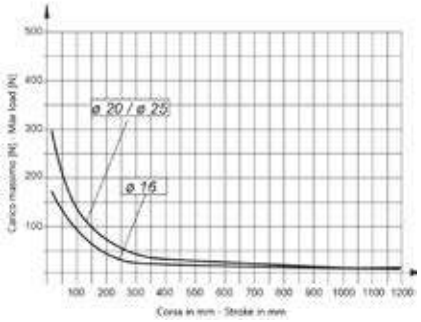
DIAGRAMMI CARICHI MASSIMI / *MAXIMUM LOADS CHARTS*

UNITÀ DI GUIDA AD "H" SU BOCCOLE IN BRONZO
"H" CONSTRUCTION GUIDE UNIT WITH BRONZE BUSHES

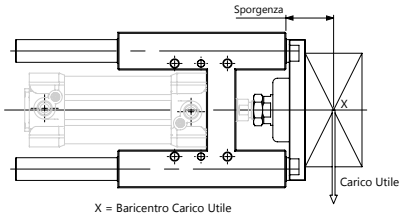


X = Baricentro Carico Utile

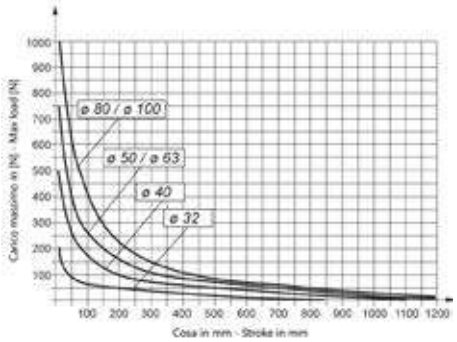


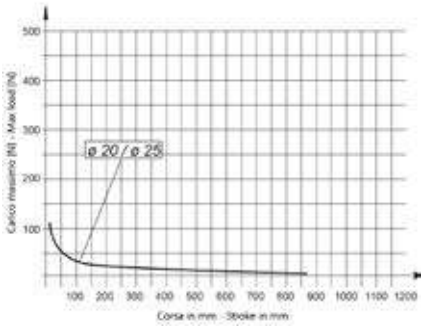


UNITÀ DI GUIDA AD "H" SU SFERE
"H" CONSTRUCTION GUIDE UNIT WITH BALL BEARINGS

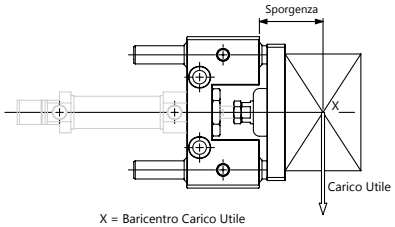


X = Baricentro Carico Utile

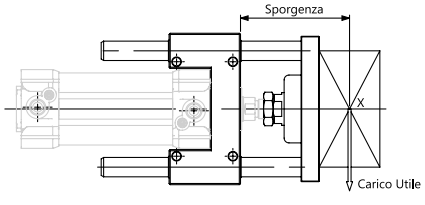




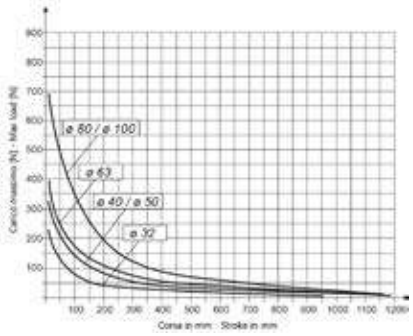
UNITÀ DI GUIDA AD "U" SU BOCCOLE IN BRONZO
"U" CONSTRUCTION GUIDE UNIT WITH BRONZE BUSHES

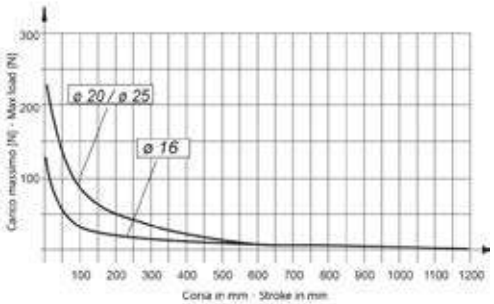


X = Baricentro Carico Utile



X = Baricentro Carico Utile

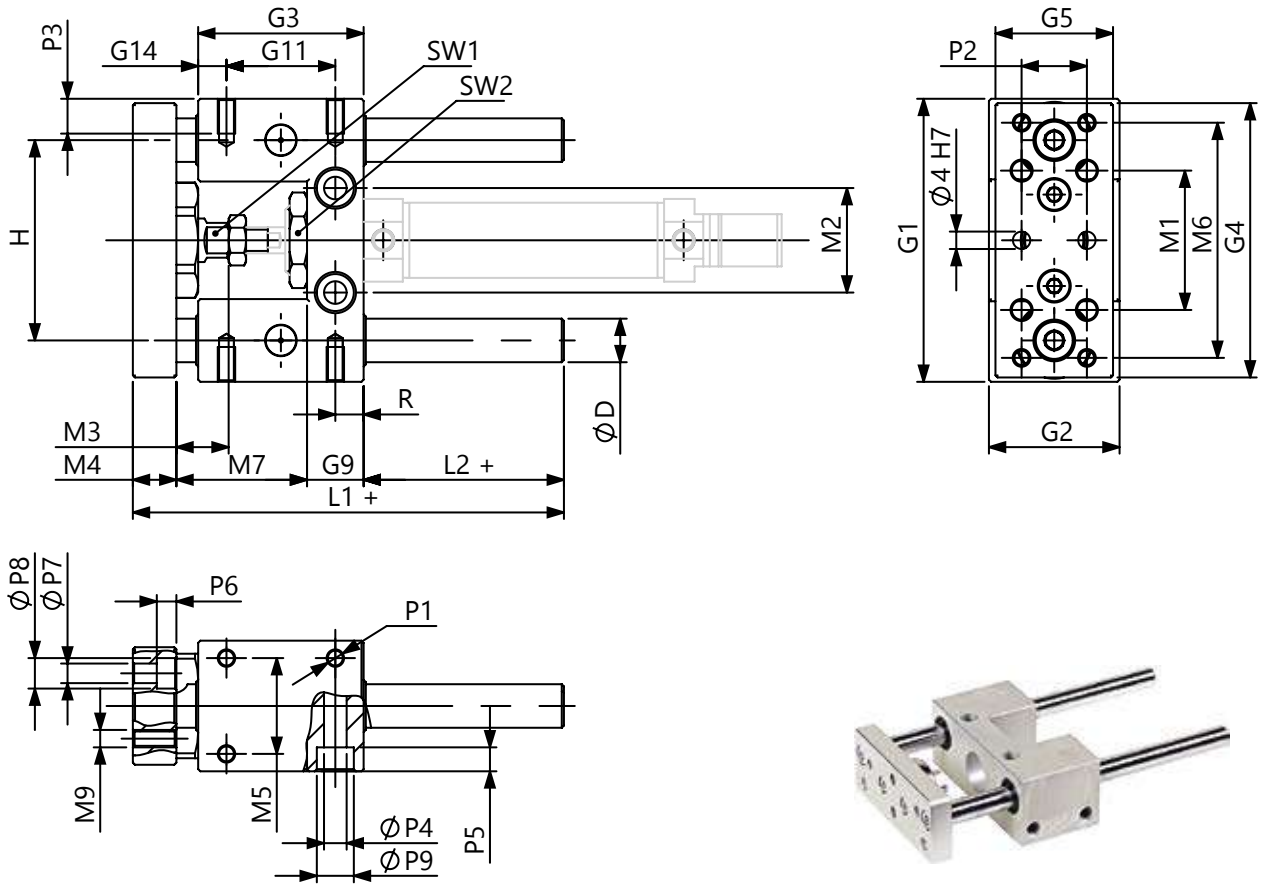




UNITÀ DI GUIDA
GUIDE UNIT

UNITÀ DI GUIDA AD "U" SU BOCCOLE IN BRONZO PER ISO6432 Ø12-16
"U" CONSTRUCTION GUIDE UNIT WITH BRONZE BUSHES FOR ISO6432 Ø12-16

UGU06 S



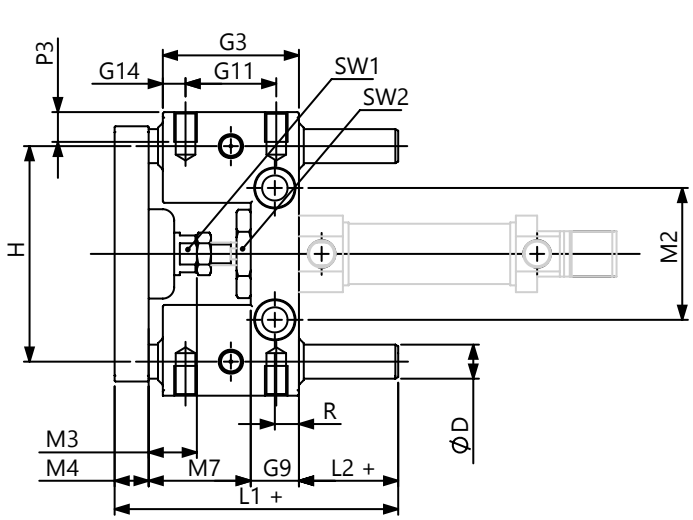
Ø	COD	ØD	G1	G2	G3	G4	G5	G9	G11	G14	H	P2	L1	L2	M1	M2	M3
12	UGU06012	10	65	30	38	63	27	13	25	6,5	46	32	74	10	32	24	12
16	UGU06016	10	65	30	38	63	27	13	25	6,5	46	32	74	10	32	24	12

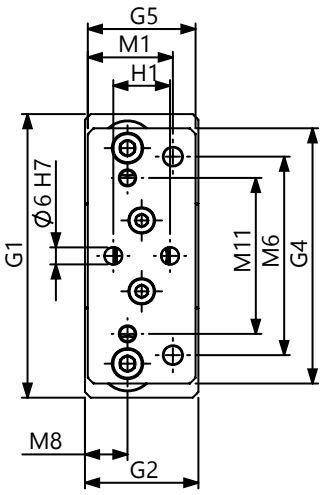
Ø	COD	M4	M6	M7	M9	P1	P2	P3	P4	P5	P6	P7	P8	P9	R	SW1	SW2
12	UGU06012	10	54	51	M4	M4	15	8	5,2	5,5	4,5	4,5	7	8,5	6,5	8	19
16	UGU06016	10	54	51	M4	M4	15	8	5,2	5,5	4,5	4,5	7	8,5	6,5	8	19

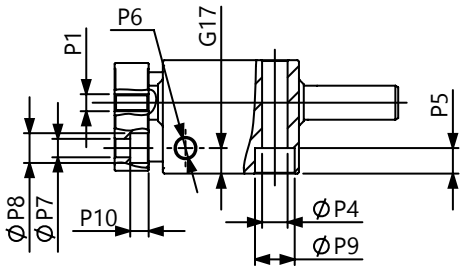
UNITÀ DI GUIDA AD "U" SU BOCCOLE IN BRONZO PER ISO6432 Ø20-25

"U" CONSTRUCTION GUIDE UNIT WITH BRONZE BUSHES FOR ISO6432 Ø20-25

UGU06 S







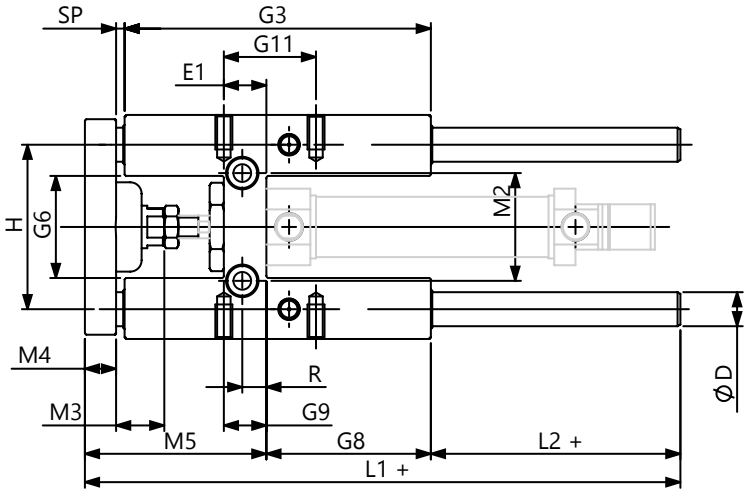
Ø	COD	ØD	G1	G2	G3	G4	G5	G9	G11	G14	G17	H	H1	R	M1	M2	M3
20	UGU06020	12	100	40	48	90	38	17	32	8	10	76	20	8,5	30	46,5	19
25	UGU06025	12	100	40	48	90	38	17	32	8	10	76	20	8,5	30	46,5	19

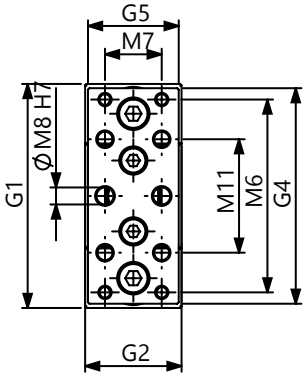
Ø	COD	M4	M7	M8	M11	L1	L2	ØP1	ØP4	P5	ØP6	ØP7	ØP8	ØP9	P10	SW1	SW2
20	UGU06020	12	36	15	55	75	12	M6	9	9	M8	6,5	11	14	7	13	27
25	UGU06025	12	36	15	55	75	12	M6	9	9	M8	6,5	11	14	7	13	27

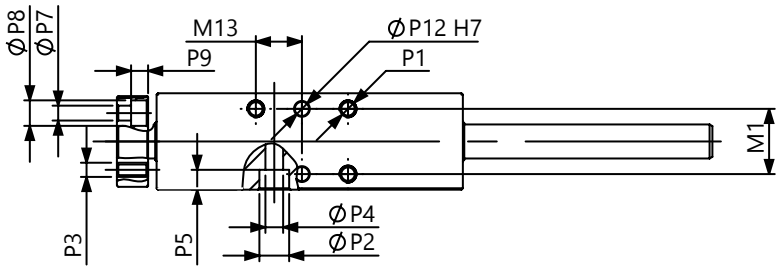
UNITÀ DI GUIDA
GUIDE UNIT

UNITÀ DI GUIDA AD "H" PER ISO6432 Ø12-25
"H" CONSTRUCTION GUIDE UNIT FOR ISO6432 Ø12-25

UG(B/S)06 S







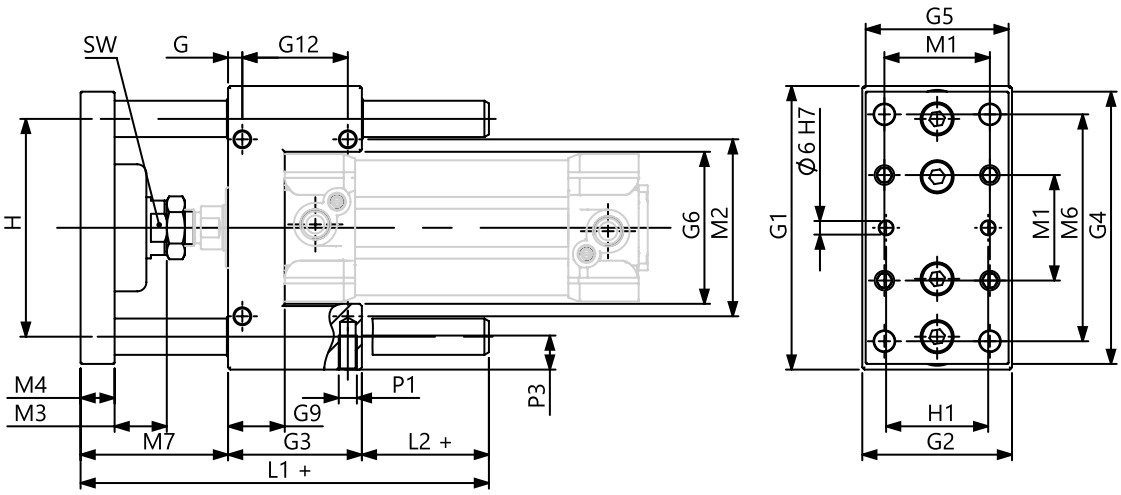
Ø	COD	ØD	E1	G1	G2	G3	G4	G5	G6	G8	G9	G11	H	L1	L2	M1	M2
12	UG(B/S)06012	10	11	65	30	75	63	27	27	37	13	32,5	46	125	37	22	24
16	UG(B/S)06016	10	11	65	30	75	63	27	27	37	13	32,5	46	125	37	22	24
20	UG(B/S)06020	12	15	79	34	108	76	32	36	58	15	32,5	58	160	37	23	38
25	UG(B/S)06025	12	15	79	34	108	76	32	36	58	15	32,5	58	160	37	23	38

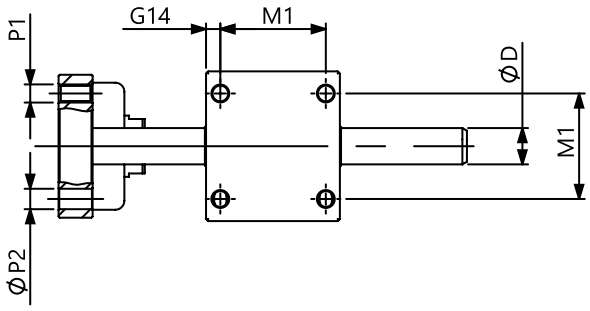
Ø	COD	M3	M4	M5	M6	M7	M11	M13	P1	P2	P3	P4	P5	P7	P8	P9	R	SP
12	UG(B/S)06012	12	10	51	54	15	32	16,25	M4	8,5	M4	5,5	5,5	4,5	7	4,5	6,5	3
16	UG(B/S)06016	12	10	51	54	15	32	16,25	M4	8,5	M4	5,5	5,5	4,5	7	4,5	6,5	3
20	UG(B/S)06020	18	12	65	68	20	40	16,25	M4	10,5	M5	6,5	7	5,5	9	6	8,5	3
25	UG(B/S)06025	18	12	65	68	20	40	16,25	M4	10,5	M5	6,5	7	5,5	9	6	8,5	3

UNITÀ DI GUIDA AD "U" SU BOCCOLE IN BRONZO PER ISO15552

"U" CONSTRUCTION GUIDE UNIT WITH BRONZE BUSHES FOR ISO15552

UGU06 S





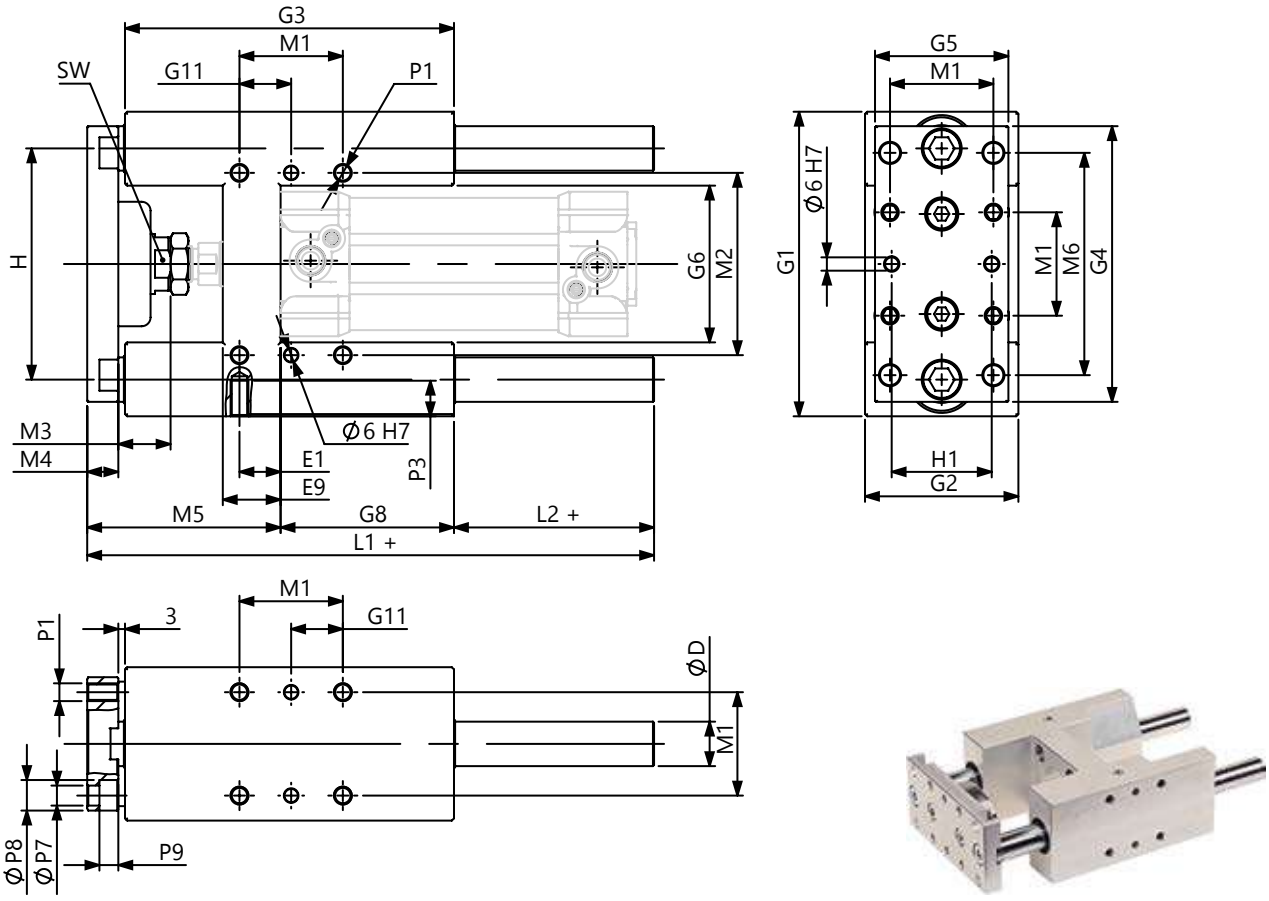
Ø	COD	ØD	G	G1	G2	G3	G4	G5	G6	G9	G12	G14	H	H1
32	UGU06032	12	7,8	100	48	48	95	45	48	17	32,5	7,8	74	31
40	UGU06040	12	10	106	56	58	101	53	64	21	38	10	80	36
50	UGU06050	16	6,3	125	66	59	120	53	67	25	46,5	6,3	96	45
63	UGU06063	16	9,8	132	76	76	127	73	76	25	46,5	9,8	104	45
80	UGU06080	20	20	165	98	90	160	95	97	35	50	9	130	56
100	UGU06100	20	20	185	118	110	180	115	117	39	70	10,5	150	56

Ø	COD	M1	M2	M3	M4	M6	M7	L1	L2	P1	P2	P3	SW1
32	UGU06032	32,5	58	23	11	78	46	108	14	M6	6,5	12	17
40	UGU06040	38	64	23	15	84	52	120	10	M6	6,5	12	17
50	UGU06050	46,5	80	24	15	100	65	130	6	M8	8,5	15	24
63	UGU06063	56,5	95	24	15	105	65	145	4	M8	8,5	15	24
80	UGU06080	72	130	30	16	130	71	170	9	M10	11	18	27
100	UGU06100	89	150	30	18	150	71	190	9	M10	11	18	27

UNITÀ DI GUIDA
GUIDE UNIT

UNITÀ DI GUIDA AD "H" PER ISO15552
"H" CONSTRUCTION GUIDE UNIT FOR ISO15552

UG(B/S)06 S



Ø	COD	ØD	E1	G1	G2	G3	G4	G5	G6	G8	E9	G11	H	H1	M1
32	UG(B/S)06032	12	4,3	97	49	125	90	45	50,2	76	17	16,25	74	31	32,5
40	UG(B/S)06040	16	11	115	58	139	110	54	58,2	81	21	19	87	36	38
50	UG(B/S)06050	20	18,8	137	69	148	124	60	70,2	78	26	23,25	104	45	46,5
63	UG(B/S)06063	20	15,3	152	85	178	145	79	85,2	107	26	28,25	119	45	56,5
80	UG(B/S)06080	25	21	189	105	215	180	99	106	128	34	36	148	56	72
100	UG(B/S)06100	25	24,5	213	129	220	200	120	131	128	39	44,5	172	56	89

Ø	COD	M2	M3	M4	M5	M6	L1	L2	P1	P3	P7	P8	P9	SW
32	UG(B/S)06032	61	23	11	63	78	177	38	M6	10	6,5	10,5	6,5	17
40	UG(B/S)06040	69	23	15	76	84	192	35	M6	10	6,5	10,5	6,5	17
50	UG(B/S)06050	85	24	15	88	100	205	39	M8	16	8,5	13,5	9	24
63	UG(B/S)06063	100	24	15	89	105	237	41	M8	16	8,5	13,5	9	24
80	UG(B/S)06080	130	30	20	110	130	280	42	M10	18	11	18	11	27
100	UG(B/S)06100	150	30	20	115	150	280	37	M10	18	11	18	11	27

BLOCCASTELO DINAMICO
DYNAMIC ROD LOCK

Bloccastelo dinamico per cilindri ISO15552 capace di bloccare lo stelo durante la corsa e di bloccarlo anche in presenza di pressione all'interno del cilindro. Permettono inoltre di ridurre a zero il movimento assiale e rotatorio dello stelo.

Per l'applicazione il cilindro deve essere predisposto con stelo prolungato.

Dinamic rod lock for ISO15552 cylinders able to block the piston rod during its movement also with high pressure inside the cylinder. This series of rod locks allow to avoid axial and rotating movements of the piston rod.

Extended piston rod is required to the rod lock unit.

MATERIALI STANDARD / *STANDARD MATERIALS*

Corpo *Body*	**Alluminio anodizzato** *Anodized aluminum*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Bronzo sinterizzato** *Sintered bronze*
Bussola *Bush*	**Acciaio al carbonio** *Carbon steel*
Unità di bloccaggio *Locking unit*	**Ottone** *Brass*
Molla *Spring*	**SWPA** *SWPA*
Pistone *Piston*	**POM C** *POM C*
Sfera *Sphere*	**Acciaio al carbonio** *Carbon steel*
Silenziatore *Silencer*	**Ottone** *Brass*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

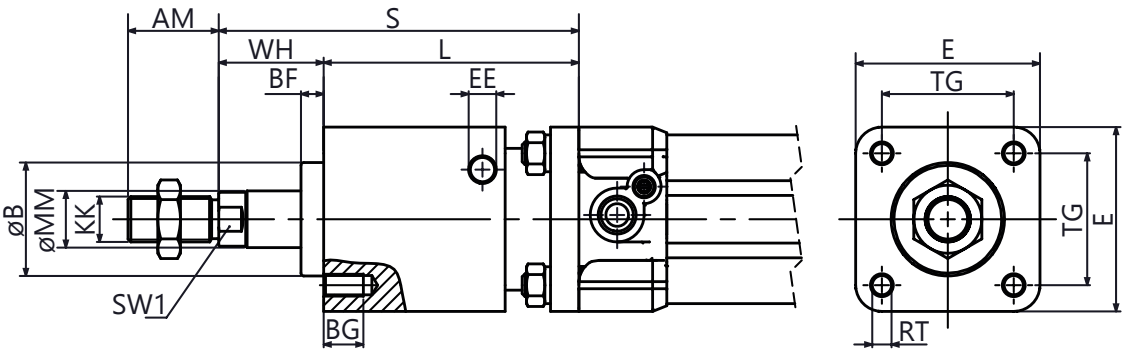
Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-10°C +60°C con aria secca** *-10°C +60°C with dry air*
Pressione massima *Max pressure*	**4 - 6,5 bar** *4 - 6,5 bar*
Forza di serraggio *Clamping force*	**510-860-1275-2060-3300-4620 (N)** *510-860-1275-2060-3300-4620 (N)*

PROLUNGHE STELO / *ROD EXTENSIONS*

Ø Cilindro *Ø Cylinder*	**Ø 32**	**Ø 40**	**Ø 50**	**Ø 63**	**Ø 80**	**Ø 100**
mm	**73**	**76**	**90**	**92**	**110**	**130**

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	**Versione** *Version*	**Diametro** *Diameter*
VR	**LK0000**	**020**
		032 Ø32
		...
		100 Ø100



Ø	COD	AM	L	ØB	BF	SW1	TG	E	EE	KK	MM	BG	S	RT	WH
32	VRLK0000032	22	73	30	8	10	32,5	47	1/8G	M10X1,25	12	12	99	M6	26
40	VRLK0000040	24	76	35	8	13	38	53	1/8G	M12X1,25	16	12	106	M6	30
50	VRLK0000050	32	90	40	8	17	46,5	65	1/8G	M16X1,5	20	14	127	M8	37
63	VRLK0000063	32	92	45	10	17	56,5	75	1/8G	M16X1,5	20	14	129	M8	37
80	VRLK0000080	40	110	45	10	22	72	95	1/4G	M20X1,5	25	16	156	M10	46
100	VRLK0000100	40	130	55	10	27	89	115	1/4G	M20X1,5	25	16	181	M10	51

BLOCCASTELO STATICO
STATIC ROD LOCK

Bloccastelo di tipo statico per cilindri ISO15552 capace di bloccare lo stelo in qualsiasi posizione, fermandone il movimento qualora si verifichi un'impressiva caduta di pressione. La forza di bloccaggio è sempre maggiore di quella del cilindro alimentato a 10 Bar.
Lo sblocco dello stelo deve avvenire solo se le pressioni nelle camere del cilindro sono equilibrate, questo per evitare che movimenti irregolari dello stelo possano danneggiare il cilindro stesso. I cilindri devono essere predisposti al montaggio del bloccastelo attraverso una prolunga dello stelo.

Static Rod lock for ISO15552 cylinders able to block the piston rod in any position preventing its movement in the even of an unexpected pressure lost. The Locking force is always stronger than a 10 Bar supplied cylinder.
The release of the piston rod must only occour when the pressure inside the cylinder's chambers are balanced to prevent irregular rod movements that could cause damages to the cylinder itself. Cylinders must be produced with an extended piston rod for the installation of the rod lock.

MATERIALI STANDARD / *STANDARD MATERIALS*

Corpo *Body*	**Alluminio anodizzato** *Anodized aluminum*
Guarnizioni *Seals*	**Poliuretano** *Polyurethane*
Boccola di guida *Guiding bush*	**Delring** *Delring*
Unità di bloccaggio *Locking unit*	**Bronzo** *Bronze*
Molla *Spring*	**Acciaio** *Steel*
Pistone *Piston*	**Delring** *Delring*
Sfera *Sphere*	**Acciaio al carbonio** *Carbon steel*
Guarnizione stelo *Piston rod seal*	**NBR** *NBR*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Fluido *Fluid*	**Aria compressa filtrata lubrificata e non** *Filtered and lubricated or not compressed air*
Temperatura impiego *Working temperature*	**-5°C +80°C con aria secca** *-5°C +80°C with dry air*
Pressione massima *Max pressure*	**3 - 6 bar** *3 - 6 bar*
Forza di serraggio *Clamping force*	**790-1240-1930-3060-5400-7700-12040 (N)** *790-1240-1930-3060-5400-7700-12040 (N)*

PROLUNGHE STELO / *ROD EXTENSIONS*

Ø Cilindro *Ø Cylinder*	**Ø20**	**Ø25**	**Ø 32**	**Ø 40**	**Ø 50**	**Ø 63**	**Ø 80**	**Ø 100**	**Ø125**
mm	**47**	**45**	**60**	**70**	**90**	**90**	**110**	**110**	**140**

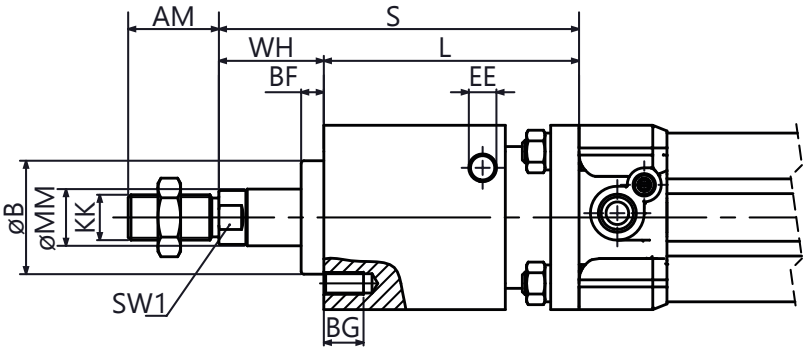
CHIAVE DI CODIFICA / *KEY CODE*

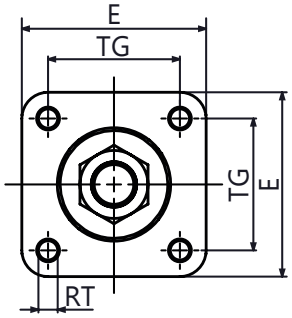
Serie *Serie*	**Versione** *Version*	**Diametro** *Diameter*
VR	**LK1000**	**020**

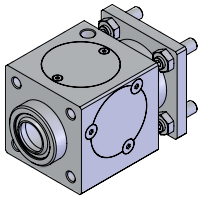
020 **Ø20**
...
125 **Ø125**

BLOCCASTELO STATICO
STATIC ROD LOCK

PER CILINDRI ISO15552
FOR ISO15552 CYLINDERS

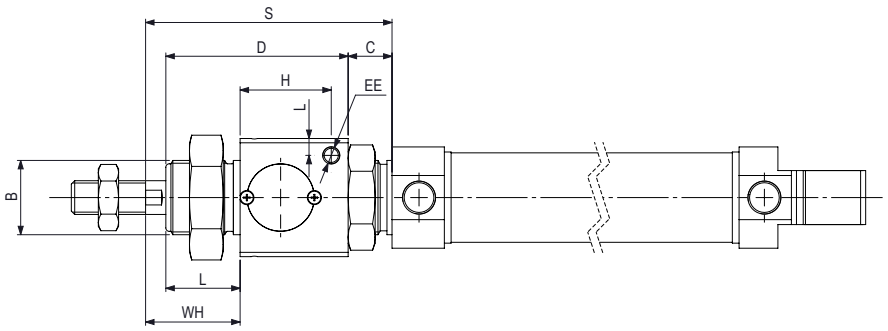


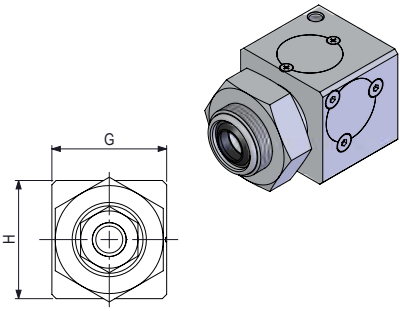




Ø	COD	AM	L	ØB	BF	SW1	TG	E	EE	KK	MM	BG	S	RT	WH
32	VRLK1000032	22	60	30	7.5	10	32.5	47	1/8G	M10X1,25	12	8	86	M6	26
40	VRLK1000040	24	70	34.9	10	13	38	54	1/8G	M12X1,25	16	8	100	M6	30
50	VRLK1000050	32	90	40	10	17	46.5	65	1/8G	M16X1,5	20	12	127	M8	37
63	VRLK1000063	32	90	45	10	17	56.5	75	1/8G	M16X1,5	20	12	127	M8	37
80	VRLK1000080	40	110	45	10	22	72	95	1/4G	M20X1,5	25	16	156	M10	46
100	VRLK1000100	40	110	55	10	22	89	114	1/4G	M20X1,5	25	16	161	M10	51
125	VRLK1000125	54	140	60	16	27	110	138	1/4G	M27X2	32	20	205	M12	65

PER CILINDRI ISO6432
FOR ISO6432 CYLINDERS





Ø	COD	G	H	C	D	B	L	WH	H	L	EE	S
20	VRLK1000020	34	35	13	54	M22X1.5	22	26	27	5	M5	71
25	VRLK1000025	34	35	13	54	M22X1.5	22	28	27	5	M5	73

SOFFIETTI MODULARI
MODULAR BELLOWS

Soffietto modulare per proteggere lo stelo da polvere ed altri agenti che ptorebbero depositarsi sullo stelo.
Offerto in silicone come materiale standard, disponibile in altre mescole su richiesta.

Modular bellow used for protecting the piston rod from external agents avoiding the deposit.
Offered as standard version in silicone material, available in other compound on request.

MATERIALI STANDARD / *STANDARD MATERIALS*

Soffietto *Bellow*	**Silicone** *Silicone*
Collare *Ring*	**Silicone** *Silicone*

INFORMAZIONI TECNICHE / *TECHNICAL INFORMATION*

Temperatura impiego MAX *MAX Working temperature*	**+200°C** *+200°C*

CHIAVE DI CODIFICA / *KEY CODE*

Serie *Serie*	Versione *Version*		Diametro *Diameter*	Corsa *Stroke*
SF	**S**	**46**	**050**	**0100**
		46 **Silicone** *Silicone*	**032** **Ø32**	**XXXX** **corsa** *stroke*
			...	
			125 **Ø125**	

Per montare i soffietti protettivi i cilindri devono essere predisposti con una prolunga stelo indicata dalla quota "T" nelle tabelle qui sotto.

In order to place the protective bellows, the cylinders need to be produced with piston rod extensions as per "T" dimensions according to the tables below.

PROLUNGA STELO senza giunzioni / *ROD EXTENSIONS without joints*

Ø Cilindro *Ø Cylinder*	**Ø 32**	**Ø 40**	**Ø 50**	**Ø 63**	**Ø 80**	**Ø 100**	**Ø 125**
T	**40**	**48**	**43**	**43**	**35**	**31**	**57**
Corsa massima *MAX stroke*	**245**	**285**	**285**	**285**	**285**	**285**	**640**

PROLUNGA STELO 1 giunzione / *ROD EXTENSIONS with 1 joint*

Ø Cilindro *Ø Cylinder*	**Ø 32**	**Ø 40**	**Ø 50**	**Ø 63**	**Ø 80**	**Ø 100**	**Ø 125**
T	**100**	**118**	**113**	**113**	**104**	**99**	**165**
Corsa massima *MAX stroke*	**490**	**570**	**570**	**570**	**570**	**570**	**1290**

PROLUNGA STELO 2 giunzioni / *ROD EXTENSIONS with 2 joints*

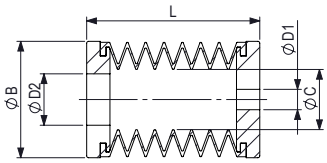
Ø Cilindro *Ø Cylinder*	**Ø 32**	**Ø 40**	**Ø 50**	**Ø 63**	**Ø 80**	**Ø 100**	**Ø 125**
T	**160**	**188**	**183**	**183**	**174**	**169**	**267**
Corsa massima *MAX stroke*	**735**	**855**	**855**	**855**	**855**	**855**	**1930**

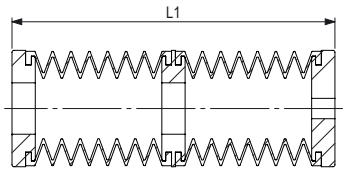
Per corse maggiori rivolgersi direttamente all'ufficio commerciale.
For longer strokes requirements please contact the commercial department.

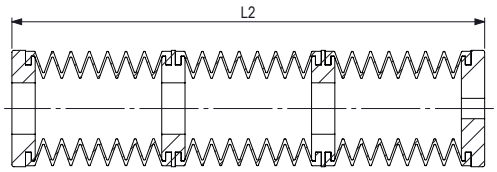
SOFFIETTI MODULARI
MODULAR BELLOWS

SOFFIETTI MODULARI
MODULAR BELLOWS

SFS46

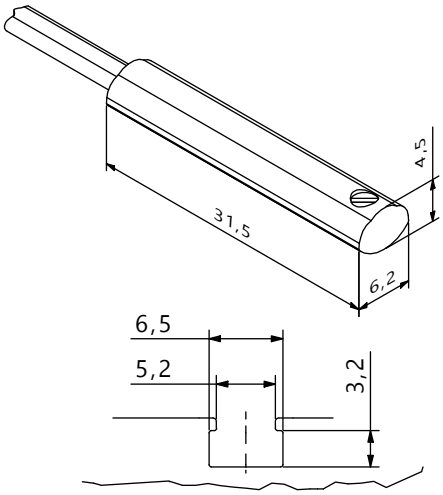


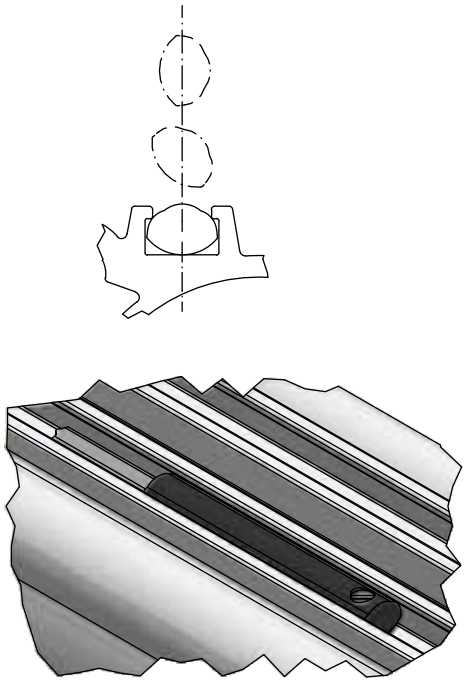




Ø	ØB	ØD2	ØD1	ØC	L		L1		L2	
32	60	26,5	10,5	30	55	300	110	600	165	900
40	83	31,5	14,5	50	65	350	130	700	195	1050
50	83	35,5	18,5	50	65	350	130	700	195	1050
63	83	38,5	18,5	50	65	350	130	700	195	1050
80	83	43	23,5	50	65	350	130	700	195	1050
100	83	48,5	23,5	50	65	350	130	700	195	1050
125	106	52,5	30,5	55	100	750	200	1500	300	2250
					chiuso closed	aperto open	chiuso closed	aperto open	chiuso closed	aperto open

SENSORI E RELATIVI FISSAGGI
SENSORS AND ACCESSORIES





Interruttore con cavo Switch with cable	VSC2RDNOCB0	VSC3RPNOCB0	VSC3MPNOCB0
Interruttore con connettore M8 Switch with connector M8	VSC2RDNOM80	VSC3RPNOM80	VSC3MPNOM80
Tipo di sensore Kind of switch	Contatto REED N.O. Reed switch N.O.	Contatto REED PNP N.O. Reed switch PNP N.O.	Magnetoresistivo PNP N.O. magnetoresistive PNP N.O.
Tensione Power supply	3 - 30V AC/DC	3 - 30V AC/DC	3 - 30V
Corrente di commutazione Switching current	0,2 A	0,2 A	0,2 A
Potenza Power	6 W	6 W	6 W
Caduta di tensione Voltage drop	<3V	-	<1V
Tempo di commutazione ON Response time ON	0,5 ms	0,5 ms	0.8 µs
Tempo di commutazione OFF Response time OFF	0,1 ms	0,1 ms	0.3 µs
Punto di lavoro nominale Nominal operate point	20-25 AT	20-25 AT	40 Gauss (34-46)
Differenza ON-OFF ON-OFF differential	5-10 AT	5-10 AT	5-15 Gauss
Temperatura di lavoro Working temperature	-10 °C +70 °C	-10 °C +70 °C	-10 °C +70 °C
Frequenza di lavoro Operating frequency	max 500 Hz	max 500 Hz	max 200 KHz
Vita Life time	107 imp	107 imp	109 imp
Grado di protezione Environmenal protection degree	IP 67	IP 67	IP 67

Sensori dotati di protezione contro inversione di polarità. - Sensors with polarity reversal protection.

CHIAVE DI CODIFICA SENSORI / *SENSORS KEY CODE*

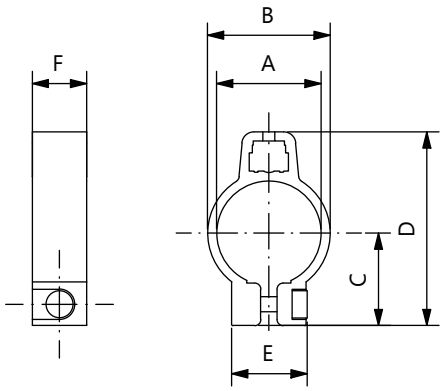
Serie *Serie*	**Versione** *Version*	
VSC	**2RDNO**	**CB0**
	***2RDNO** **Contatto REED N.O.** *REED switch N.O.*	**CB0** **interruttore con cavo 2.5 m** *Switch with cable length 2.5 m*
	***3RPNO** **Contatto REED PNP N.O.** *REED switch PNP N.O.*	**M80** **Interruttore con connettore M8** *Switch with M8 connector*
	***3MPNO** **Magnetoresistivo PNP N.O.** *Magnetoresistive PNP N.O.*	

***2 - cavo 2 fili** / *2 wires cable*
***3 - cavo 3 fili** / *3 wires cable*

SENSORI E RELATIVI FISSAGGI
SENSORS AND ACCESSORIES

FASCETTE PER CILINDRI ISO6432
LOCKING BANS FOR ISO6432 CYLINDERS

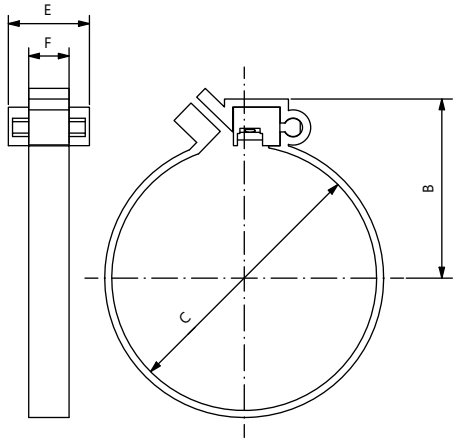
VFSRD



COD	Ø	A	B	C	D	E	F
VFSRD008000	8	9,3	12,3	11,1	23,9	12,3	9
VFSRD010000	10	11,3	14,3	12,2	25,9	12,3	9
VFSRD012000	12	13,3	16,3	13,2	28	12,3	9
VFSRD016000	16	17,3	20,3	15,3	32,1	12,3	9
VFSRD020000	20	21,3	24,3	17,4	36,2	14	9
VFSRD025000	25	26,5	29,5	20	41,4	14	9

FASCETTE PER CILINDRI TONDI Ø32-63
LOCKING BANS FOR ROUND CYLINDERS Ø32-63

VFSRD



COD	Ø	B	C	F
VFSRD032000	32	27	33.6	10
VFSRD040000	40	31	41.6	10
VFSRD050000	50	37	52.4	10
VFSRD063000	63	42	65.4	10

CHIAVE DI CODIFICA FISAGGI / *SENSORS ACCESSORIES KEY CODE*

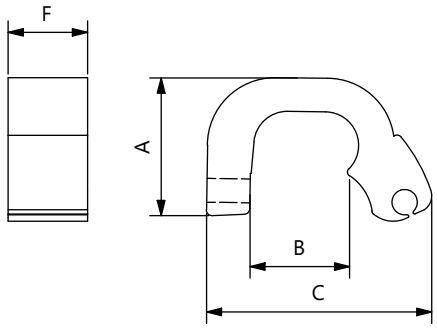
Serie *Serie*	**Versione** *Version*	**Ø Cilindro** *Ø Cylinder*	
VFS	**RD**	**008**	**000**

	RD **Fascette per cilindri tondi** *Locking bands for round cylinder*	**008** **Ø8**
		010 **Ø10**
		012 **Ø12**
		016 **Ø16**
		020 **Ø20**
		025 **Ø25**

SENSORI E RELATIVI FISSAGGI
SENSORS AND ACCESSORIES

FASCETTE PORTASENSORI A TIRANTE
LOCKING CLIPS FOR TIE RODS CYLINDERS

VFSTR



COD	Ø	A	B	C
VFSTR032000	32-63	14	9	22
VFSTR080000	80-100	19	12	34
VFSTR125000	125	21	14	33
VFSTR160000	160-200	26	18	42
VFSTR250000	250	26	20,5	42
VFSTR320000	320	26	25,5	42

CHIAVE DI CODIFICA FISAGGI / *SENSORS ACCESSORIES KEY CODE*

Serie *Serie*	**Versione** *Version*	**Ø Cilindro** *Ø Cylinder*	
VFS	**TR**	**032**	**000**

	TR **Fascette portasensori a tirante** *Locking clip for tie rods cylinders*	**032** **Ø32**
		...
		320 **Ø320**

NOTE

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