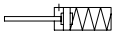
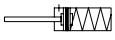
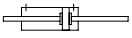
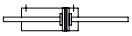
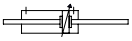
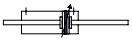
MINICILINDRI ISO 6432 Ø8-25 ISO 6432 MINI-CYLINDERS Ø8-25



Cilindri costruiti a norma ISO6432. Altamente resistenti con testate cianfrinate. Fornito con dado testata e dado sullo stelo. Esecuzione magnetica e non, ammortizzata e non. Disponibile anche a semplice effetto. Vasta scelta di accessori di fissaggio. A richiesta in conformità alla Direttiva ATEX.

ISO 6432 cylinders
Highly resistant with crimped covers. Supplied with cover and piston rod nuts. Magnetic and non-magnetic version, with or without adjustable cushioning. Available also single-acting. Wide range of mountings. On request in accordance with ATEX Directive.

VERSIONE
VERSION

CSE		CSET	
CSEM		CSEMT	
CDE		CDEP	
CDEM		CDEMP	
CDEA		CDEAP	
CDEMA		CDEMAP	

INFORMAZIONI TECNICHE
TECHNICAL INFORMATION

Testate Covers	**Alluminio anodizzato** Anodized Aluminium
Tubo Tube	**Acciaio inox AISI304** AISI304 Stainless steel
Pistone Piston	**Ottone** Brass
Guarnizioni Seals	**Ø8-10-12 poliuretano - NBR** **Ø16-20-25 poliuretano** Ø8-10-12 polyurethane - NBR Ø16-20-25 polyurethane
Boccola guida Guiding bush	**Bronzo sinterizzato** Sintered bronze
Stelo Piston rod	**Acciaio inox AISI303** AISI303 Stainless steel
Pressione MAX MAX pressure	**10 bar**
Temperatura di impiego Working temperature	**Ø8-10-12 -20°C +80°C con aria secca** **Ø16-20-25 -35°C +80°C con aria secca** Ø8-10-12 -20°C +80°C with dry air Ø16-20-25 -35°C +80°C with dry air
Fluido Working fluid	**Aria compressa filtrata e lubrificata e non** Filtered and lubricated or not compressed air

CHIAVI DI CODIFICA
CYLINDERS KEY CODE

CDEM	20	100	-	V

Versione Version		Diametro Diameter	Corsa Stroke	Tipo costruttivo Design Type		Guarnizioni Seals	
CSE	**Semplice effetto molla anteriore non magnetico** Single acting front spring non magnetic	08	0...1000	-	**Versione standard** Standard version	-	**Standard**
CSEM	**Semplice effetto molla anteriore magnetico** Single acting front spring magnetic	10		RR	**Versione corta, alimentazione radiale** Short version, radial inlet	V	**Guarnizioni FKM** FKM seals
CDE	**Doppio effetto non magnetico** Double acting non magnetic	12		RA	**Versione corta, alimentazione assiale** Short version, axial inlet	VG	**Guarnizione stelo FKM** FKM rod seal
CDEM	**Doppio effetto magnetico** Double acting magnetic	16		ES	**Versione antirotazione a stelo esagonale** Non rotating version with hexagonal piston rod		
CDEA	**Doppio effetto con ammortizzo regolabile non magnetico** Double acting with adjustable cushioning non magnetic	20					
CDEMA	**Doppio effetto con ammortizzo regolabile magnetico** Double acting with adjustable cushioning magnetic	25					
CSET	**Semplice effetto molla posteriore non magnetico** Single acting rear spring non magnetic						
CSEMT	**Semplice effetto molla posteriore magnetico** Single acting rear spring magnetic						
CDEP	**Doppio effetto stelo passante non magnetico** Double acting through rod non magnetic						
CDEMP	**Doppio effetto stelo passante magnetico** Double acting through rod magnetic						
CDEAP	**Doppio effetto stelo passante con ammortizzo regolabile non magnetico** Double acting through rod with adjustable cushioning non magnetic						
CDEMAP	**Doppio effetto stelo passante con ammortizzo regolabile magnetico** Double acting through rod with adjustable cushioning magnetic						

CORSE STANDARD CILINDRO DOPPIO EFFETTO
STANDARD STROKES DOUBLE ACTING CYLINDER

Ø (mm)	Corse standard (mm) Standard strokes (mm)													
8	10	25	40	50	80	100								
10	10	25	40	50	80	100								
12	10	25	40	50	80	100	125	160	200					
16	10	25	40	50	80	100	125	160	200					
20	10	25	40	50	80	100	125	160	200	250	300	320		
25	10	25	40	50	80	100	125	160	200	250	300	320	400	500

CORSE STANDARD CILINDRO SEMPLICE EFFETTO
STANDARD STROKES SINGLE ACTING CYLINDER

Ø (mm)	Corse standard (mm) Standard strokes (mm)		
8	10	25	50
10	10	25	50
12	10	25	50
16	10	25	50
20	10	25	50
25	10	25	50

FORZE TEORICHE A 6 BAR
THEORETICAL FORCES AT 6 BAR

Ø (mm)	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

FORZE TEORICHE DELLE MOLLE
THEORETICAL SPRING FORCES

	Molla anteriore Front spring						Molla posteriore Rear spring					
	Corsa Stroke 10		Corsa Stroke 25		Corsa Stroke 50		Corsa Stroke 10		Corsa Stroke 25		Corsa Stroke 50	
Ø (mm)	F1(N)	F2(N)	F1(N)	F2(N)	F1(N)	F2(N)	F1(N)	F2(N)	F1(N)	F2(N)	F1(N)	F2(N)
8	4.1	4.6	3.4	4.6	2.2	4.6	5.5	6	4.8	6	3.6	6
10	4.1	4.6	3.4	4.6	2.2	4.6	5	6.2	3.3	6.2	-	-
12	5.6	6	5.5	6	4.1	6	13	14.2	11.3	14.2	8.5	14.2
16	19.2	21.5	15.7	21.5	9.8	21.5	19	20.7	16.3	20.7	12	20.7
20	20.4	22.5	17.3	22.5	11.7	22.5	57.2	61.5	50.7	61.5	39.8	61.5
25	17.5	18.8	15.6	18.8	12.4	18.8	28.5	30.6	25.3	30.6	19.8	30.6

VARIANTI
VARIANTS

Simbolo Symbol	Caratteristiche Features
	Resistente alle alte temperature -10…+150°C Heat-resistant -10…+150°C
	Resistente alle basse temperature -40…+80°C Low temperature resistant -40…+80°C
WH	Stelo prolungato Piston rod extension
	Basso attrito Low friction
	Stelo in acciaio inox Stainless steel piston rod
FDA	Lubrificazione FDA FDA lubrication
	Filettature e steli su richiesta Custom made thread or piston rod

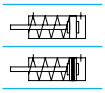
Simbolo Symbol	Caratteristiche Features
	Certificazione ATEX ATEX certification
	Guarnizione stelo ad elevata resistenza chimica Rod seal with increased chemical resistance
C1 + C2	Configurazione tandem a più posizioni Multi position configuration
2xF	Configurazione tandem a doppia spinta Double thrust tandem configuration
	Configurazione tandem contrapposti anteriore Front opposed tandem configuration
	Configurazione tandem contrapposti posteriore Rear opposed tandem configuration

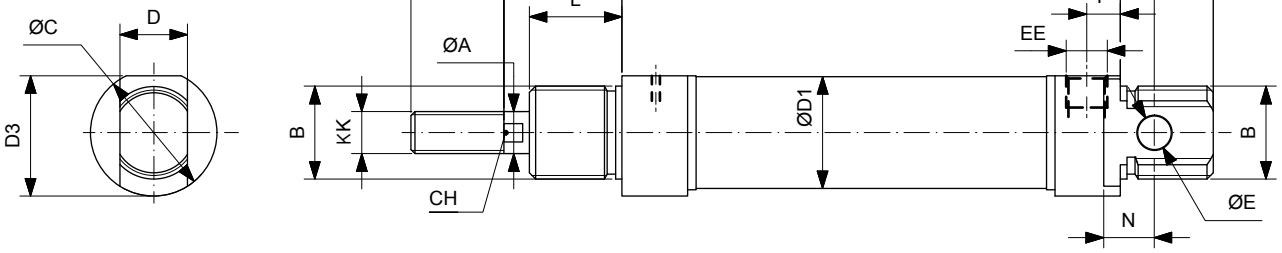
MINICILINDRI ISO 6432 Ø8-25 ISO 6432 MINI-CYLINDERS Ø8-25

SEMPLICE EFFETTO
SINGLE ACTING

CSEØ/... CSEMØ/...





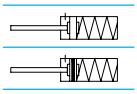


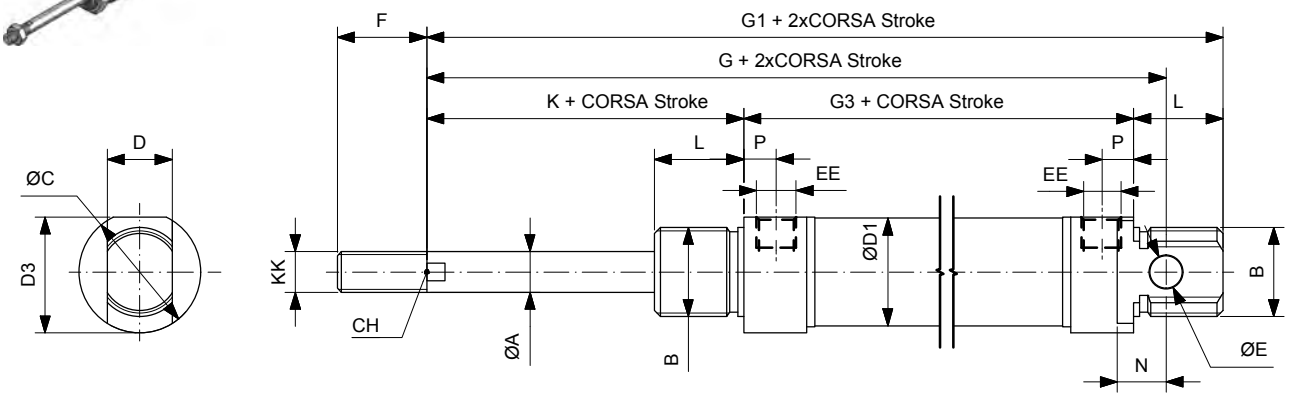
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10	4	M12x1.25	16	/	8	11.27	15	4	M5	12	64	74	46	16	M4x0.7	12	6	5
12	6	M16x1.5	19	5	12	13.27	18	6	M5	16	75	88	48	22	M6x1	18	9	5
16	6	M16x1.5	19	5	12	17.27	18	6	M5	16	82	93	53	22	M6x1	18	9	4.5
20	8	M22x1.5	27	7	16	21.27	25.5	8	1/8"G	20	95	111	67	24	M8x1.25	20	12	8
25	10	M22x1.5	30	9	16	26.5	28.5	8	1/8"G	22	104	118	68	28	M10x1.25	22	12	8

SEMPLICE EFFETTO MOLLA POSTERIORE
SINGLE ACTING REAR SPRING

CSETØ/... CSEMTØ/...





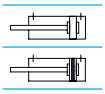


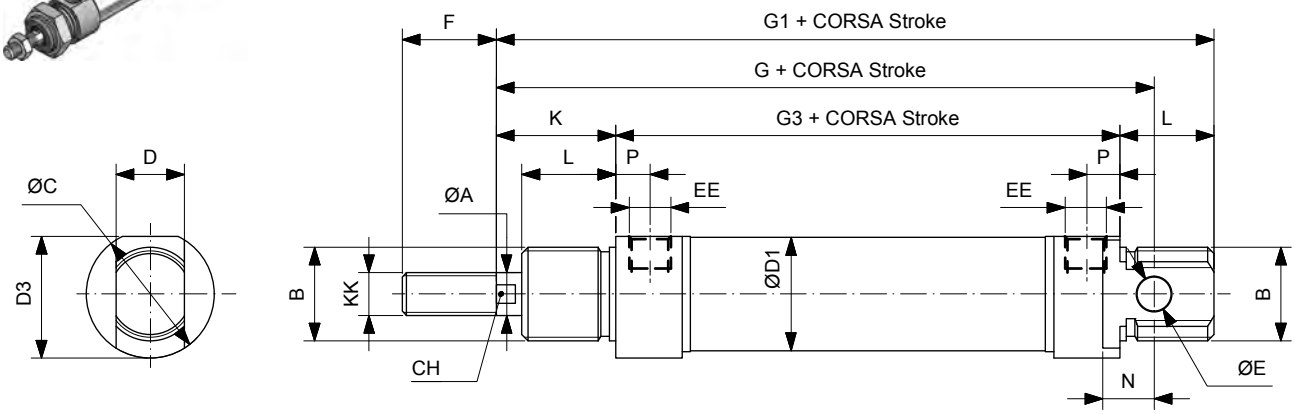
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10	4	M12x1.25	16	/	8	11.27	15	4	M5	12	89.5	99.5	71.5	16	M4x0.7	12	6	5
12	6	M16x1.5	19	5	12	13.27	18	6	M5	16	97.5	110.5	70.5	22	M6x1	18	9	5
16	6	M16x1.5	19	5	12	17.27	18	6	M5	16	111	122	82	22	M6x1	18	9	4.5
20	8	M22x1.5	27	7	16	21.27	25.5	8	1/8"G	20	126.5	142.5	98.5	24	M8x1.25	20	12	8
25	10	M22x1.5	30	9	16	26.5	28.5	8	1/8"G	22	135.5	149.5	99.5	28	M10x1.25	22	12	8

DOPPIO EFFETTO
DOUBLE ACTING

CDEØ/... **CDEMØ/...**





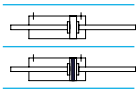


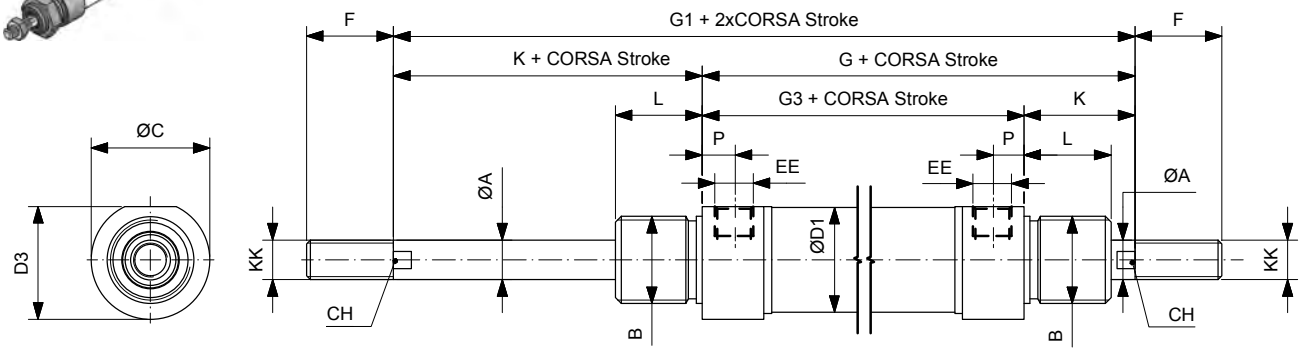
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10	4	M12x1.25	16	/	8	11.27	15	4	M5	12	64	74	46	16	M4x0.7	12	6	5
12	6	M16x1.5	19	5	12	13.27	18	6	M5	16	75	88	48	22	M6x1	18	9	5
16	6	M16x1.5	19	5	12	17.27	18	6	M5	16	82	93	53	22	M6x1	18	9	4.5
20	8	M22x1.5	27	7	16	21.27	25.5	8	1/8"G	20	95	111	67	24	M8x1.25	20	12	8
25	10	M22x1.5	30	9	16	26.5	28.5	8	1/8"G	22	104	118	68	28	M10x1.25	22	12	8

DOPPIO EFFETTO PASSANTE
DOUBLE ACTING THROUGH PISTON ROD

CDEPØ/... **CDEMPØ/...**







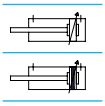
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10	4	M12x1.25	16	/	11.27	15	M5	12	62	78	46	16	M4x0.7	12	5
12	6	M16x1.5	19	5	13.27	18	M5	16	70	92	48	22	M6x1	18	5
16	6	M16x1.5	19	5	17.27	18	M5	16	75	97	53	22	M6x1	18	4.5
20	8	M22x1.5	27	7	21.27	25.5	1/8"G	20	91	115	67	24	M8x1.25	20	8
25	10	M22x1.5	30	9	26.5	28.5	1/8"G	22	96	124	68	28	M10x1.25	22	8

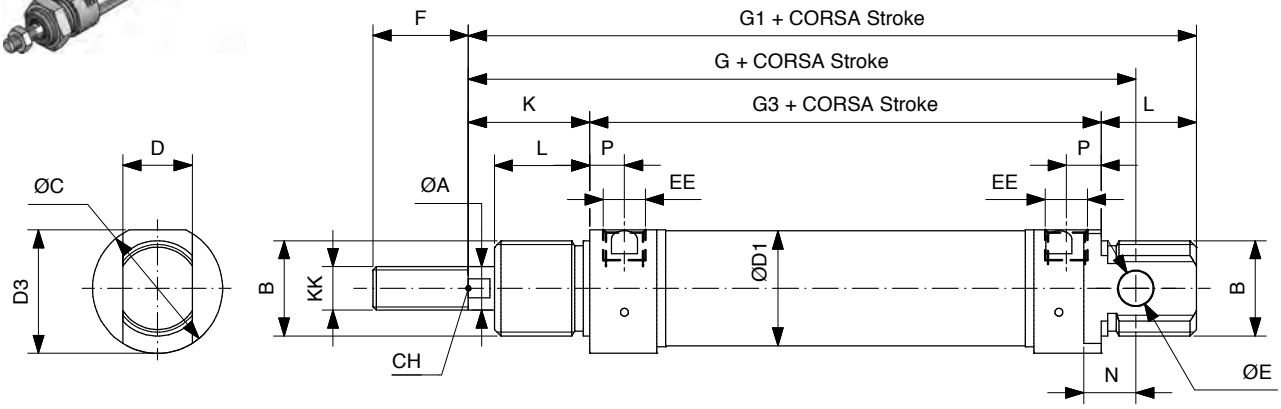
Ø8-10-12 disponibili solo non magnetici
Ø8-10-12 only availble without magnet

DOPPIO EFFETTO AMMORTIZZATO
DOUBLE ACTING CUSHIONED

CDEAØ/... CDEMAØ/...





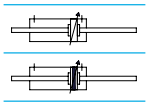


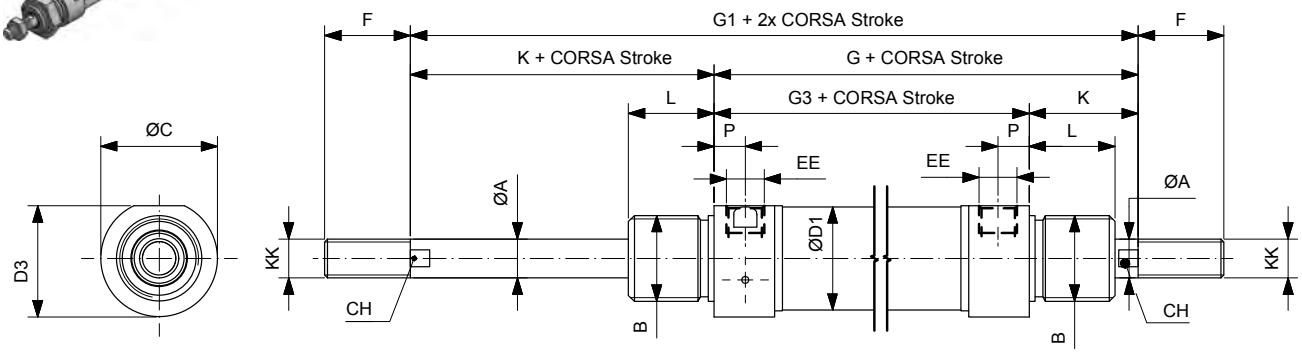
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20	8	M22x1.5	27	7	16	21.27	25.5	8	1/8"G	20	95	111	67	24	M8x1.25	20	12	8
25	10	M22x1.5	30	9	16	26.5	28.5	8	1/8"G	22	104	118	68	28	M10x1.25	22	12	8

DOPPIO EFFETTO AMMORTIZZATO PASSANTE
DOUBLE ACTING CUSHIONED THROUGH PISTON ROD

CDEAPØ/... CDEMAPØ/...





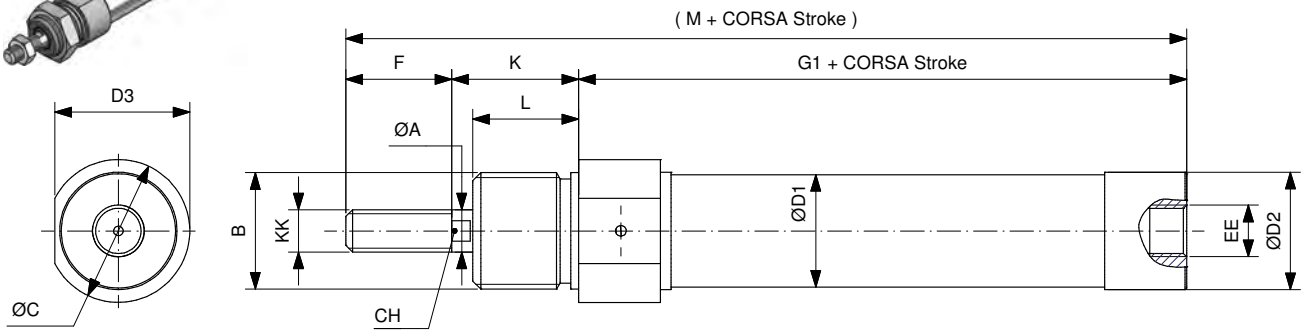


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20	8	M22x1.5	27	7	21.27	25.5	1/8"G	20	91	115	67	24	M8x1.25	20	8
25	10	M22x1.5	30	9	26.5	28.5	1/8"G	22	96	124	68	28	M10x1.25	22	8

SERIE CORTA RA SEMPLICE EFFETTO
SHORT SERIES RA SINGLE ACTING

CSEØ/...RA **CSEMØ/...RA**



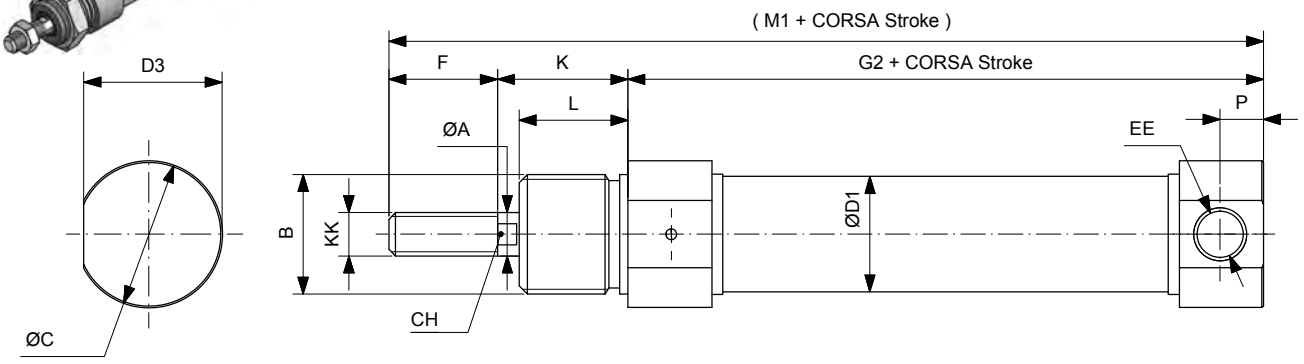


Ø	ØA	B	ØC	CH	ØD1	ØD2	D3	EE	F	G1	K	KK	L	M
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20	8	M22x1.5	27	7	21.27	22.2	25.5	1/8"G	20	65	24	M8x1.25	20	109
25	10	M22x1.5	30	9	26.5	27	28.5	1/8"G	22	66	28	M10x1.25	22	116

SERIE CORTA RR SEMPLICE EFFETTO
SHORT SERIES RR SINGLE ACTING

CSEØ/...RR **CSEMØ/...RR**





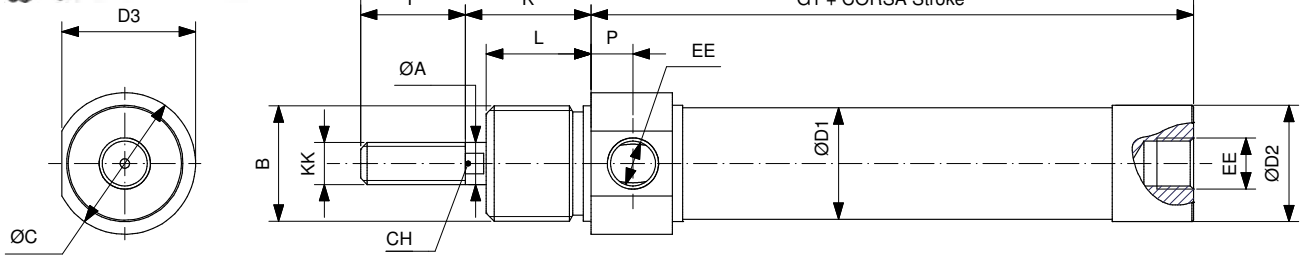
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20	8	M22x1.5	27	7	21.27	25.5	1/8"G	20	67	24	M8x1.25	20	111	8
25	10	M22x1.5	30	9	26.5	28.5	1/8"G	22	68	28	M10x1.25	22	118	8

MINICILINDRI ISO 6432 Ø8-25 ISO 6432 MINI-CYLINDERS Ø8-25

SERIE CORTA RA DOPPIO EFFETTO
SHORT SERIES RA DOUBLE ACTING

CDEØ/...RA **CDEMØ/...RA**



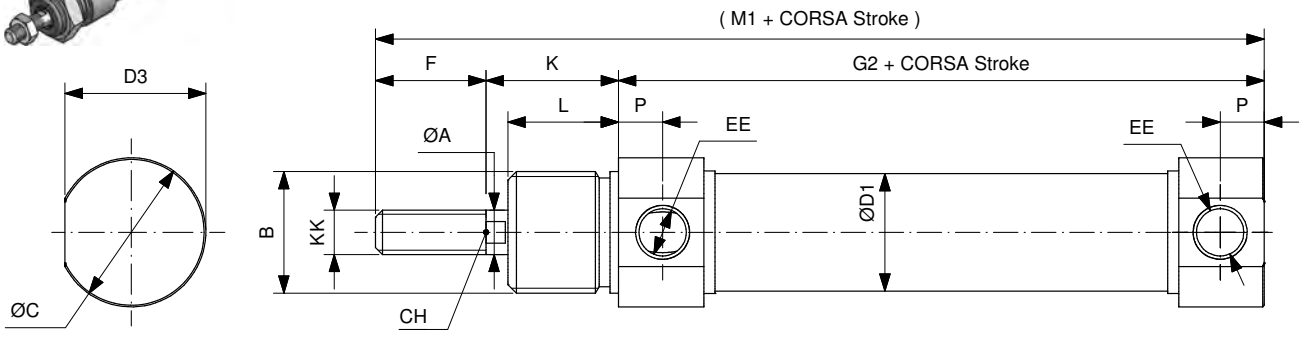


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20	8	M22x1.5	27	7	21.27	22.2	25.5	1/8"G	20	65	24	M8x1.25	20	109	8
25	10	M22x1.5	30	9	26.5	27	28.5	1/8"G	22	66	28	M10x1.25	22	116	8

SERIE CORTA RR DOPPIO EFFETTO
SHORT SERIES RR DOUBLE ACTING

CDEØ/...RR **CDEMØ/...RR**



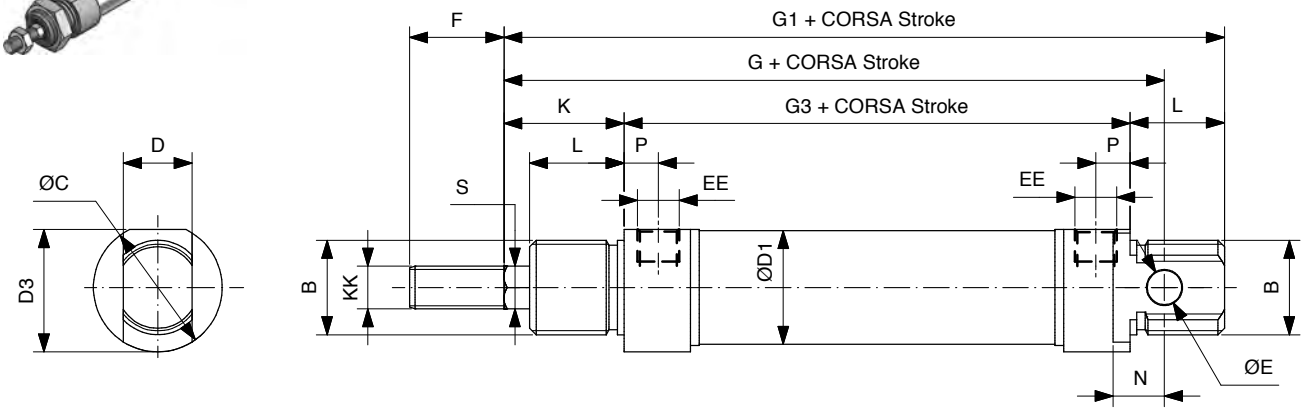


Ø	ØA	B	ØC	CH	ØD1	D3	EE	F	G2	K	KK	L	M1	P
16	6	M16x1.5	19	5	17.27	18	M5	16	52.5	22	M6x1	18	90.5	4.5
20	8	M22x1.5	27	7	21.27	25.5	1/8"G	20	67	24	M8x1.25	20	111	8
25	10	M22x1.5	30	9	26.5	28.5	1/8"G	22	68	28	M10x1.25	22	118	8

DOPPIO EFFETTO ANTIROTAZIONE ESAGONALE
DOUBLE ACTING NON-ROTATING HEXAGONAL

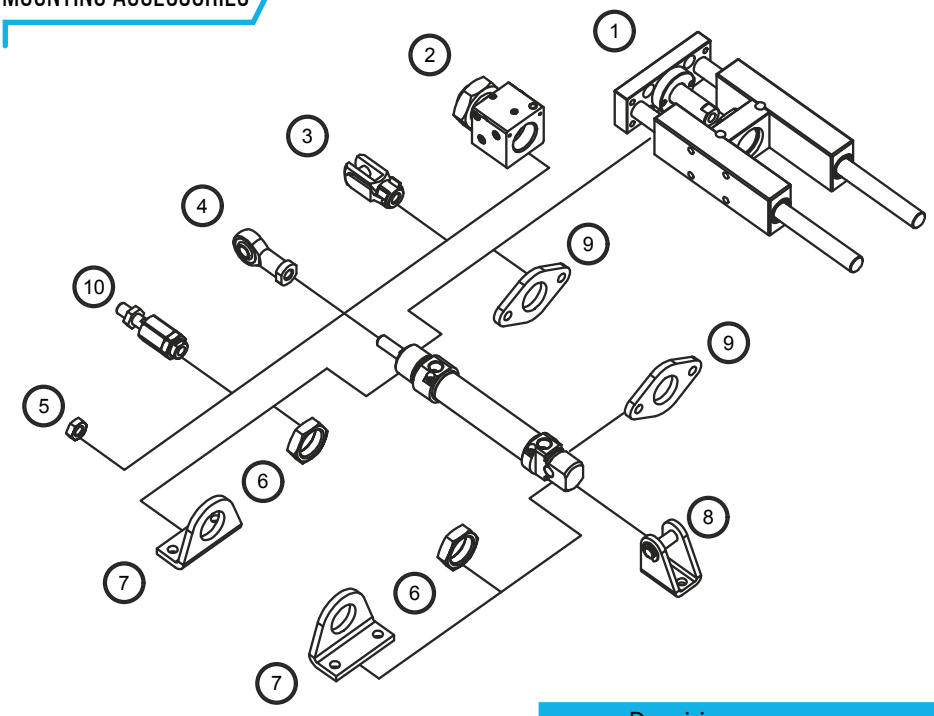
CDEØ/...ES **CDEMØ/...ES**





Ø	B	ØC	D	ØD1	D3	ØE	EE	F	G	G1	G3	K	KK	L	N	P	S
16	M16x1.5	19	12	17.27	18	6	M5	16	82	93	53	22	M6x1	18	9	4.5	6
20	M22x1.5	27	16	21.27	25.5	8	1/8"G	20	95	111	67	24	M8x1.25	20	12	8	8
25	M22x1.5	30	16	26.5	28.5	8	1/8"G	22	104	118	68	28	M10x1.25	22	12	8	10

ACCESSORI DI FISSAGGIO
MOUNTING ACCESSORIES



	Descrizione Description	Accaio Steel version	Accaio inox Stainles steel
1	**Unità di guida** / Guide unit	122	-
2	**Bloccastelo** / Rod lock	126	-
3	**Forcella** / Clevis	131	147
4	**Testa a snodo** / Rod end	132	148
5	**Dado per stelo** / Piston rod nut	130	146
6	**Dado testata** / Cover nut	130	146
7	**Piedino** / Foot (MS3)	133	149
8	**Cerniera** / Hinge (MP3)	133	148
9	**Flangia** / Flange (MF8)	134	149
10	**Giunto autoallineante** / Self-aligning joint	131	