AUTOMATION

CILINDRI COMPATTI ISO21287 INOX
ISO21287 STAINLESS STEEL COMPACT CYLINDERS

SERIE

CI

MADE IN ITALY

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CILINDRI COMPATTI INOX ISO21287 Ø20 - Ø100
ISO21287 INOX COMPACT CYLINDERS Ø20 - Ø100

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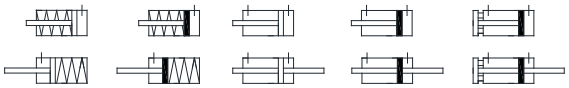
3A AUTOMATION

VERSIONI - VERSIONS



Materiali - Materials	
Testate - Covers	Acciaio INOX AISI304 Stainless steel AISI304
Tubo - Tube	Acciaio INOX AISI304 Stainless steel AISI304
Stelo - Piston rod	Acciaio INOX AISI316 Stainless steel AISI316
Pistone - Piston	Alluminio Aluminum
Guarnizioni - Seals	PU / NBR
Boccola guida Guiding bush	Acciaio + PTFE Steel + PTFE

Informazioni tecniche - Technical features	
Fluido - Fluid	Aria compressa filtrata lubrificata e non Filtered and lubricated or not compressed air
Temp. impiego Working Temp.	-35°C +80°C con aria secca / w dry air
Pressione MAX MAX pressure	10 bar

CHIAVE DI CODIFICA - KEY CODE

Base	Versioni - Versions								Ø	Corsa - Stroke
CI	**SA**	Semplice effetto molla anteriore	**0**	Standard	**M**	Magnetico	**M**	Filetto stelo maschio	**020**	**0005**
		Single acting front spring		Standard		Magnetic		Male piston rod thread		
	SP	Semplice effetto molla posteriore	**1**	Passante	**N**	Non magnetico	**F**	Filetto stelo femmina	**....**	**....**
		Single acting rear spring		Through rod		Not magnetic		Female piston rod thread		
	DE	Doppio effetto								
		Double acting							**100**	**500**

CODICE ESEMPIO - SAMPLE CODE

CI	DE	0	M	N	050	0100	+	varianti	variants

VARIANTI - VARIANTS

Guarnizioni Seals		Versione Version		Filetto stelo speciale Special piston rod thread	Prolunga stelo Extended piston rod		Atex
HR	Guarnizione stelo Viton	**E**	Antirotazione	Su richiesta	**PXXX**	xxx = mm	**T**
	Viton Rod seal		Not rotating	On request			
HA	Tutto Viton						
	All Viton						

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CORSE STANDARD - STANDARD STROKES

Ø	5	10	15	20	25	30	40	50	60
20	XY	XY	XY	XY	XY	Y	Y	Y	Y
25	XY	XY	XY	XY	XY	Y	Y	Y	Y
32	XY	XY	XY	XY	XY	Y	Y	Y	Y
40	XY	XY	XY	XY	XY	Y	Y	Y	Y
50	XY	XY	XY	XY	XY	Y	Y	Y	Y
63	XY	XY	XY	XY	XY	Y	Y	Y	Y
80	XY	XY	XY	XY	XY	Y	Y	Y	Y
100	XY	XY	XY	XY	XY	Y	Y	Y	Y

X= Cilindro semplice effetto - Single acting cylinder
Y= Cilindro doppio effetto - Double acting cylinder

FORZE TEORICHE - THEORETICAL FORCES

Forze teoriche a 6 bar Theoretical forces at 6 bar		
Ø	Forza di spinta (N) Thrust force (N)	Forza in 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

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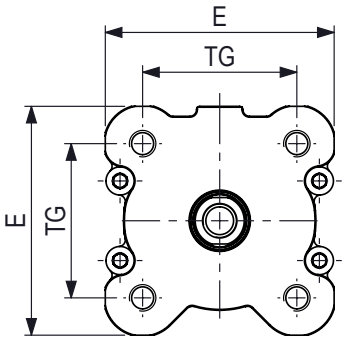
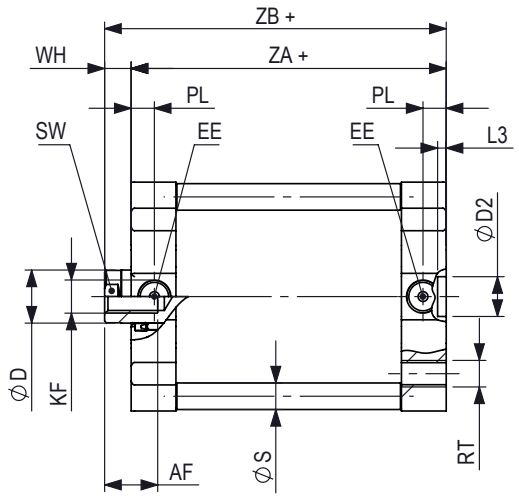
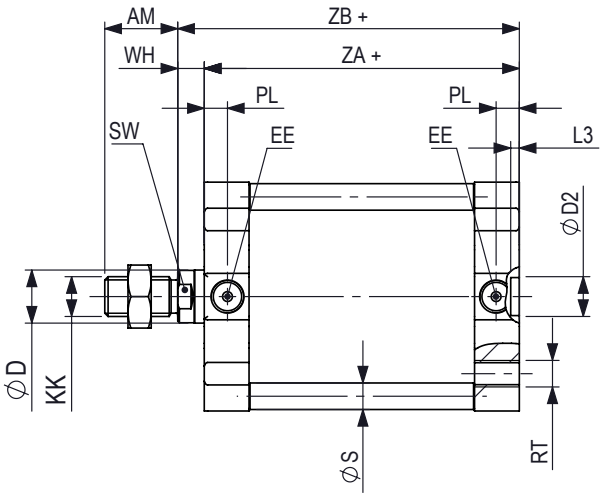
SEMPLICE EFFETTO MOLLA ANTERIORE - SINGLE ACTING FRONT SPRING

CISA0N(M/F) - CISA0M(M/F)







Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
20	10	9	10	16	M8X1,25	6	37	43	M6X1	M5X0,8	22	32	M5X0,8	6,75	9	2,1	6
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

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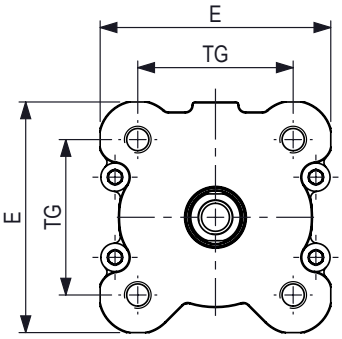
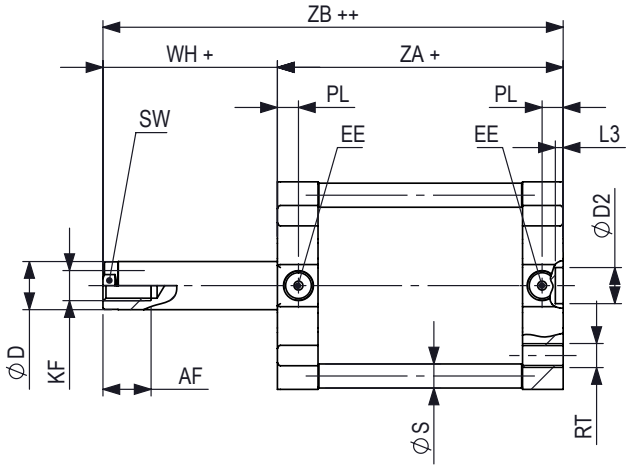
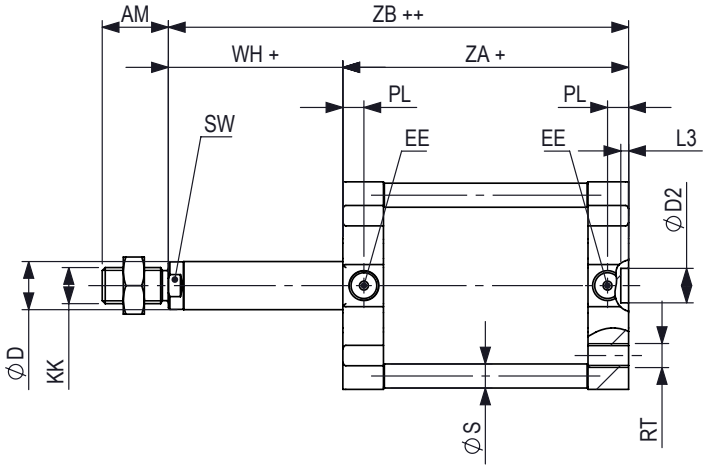
SEMPLICE EFFETTO MOLLA POSTERIORE - SINGLE ACTING REAR SPRING

CISP0N(M/F) - CISP0M(M/F)







Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
20	10	9	10	16	M8X1,25	6	37	43	M6X1	M5X0,8	22	32	M5X0,8	6,75	9	2,1	6
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

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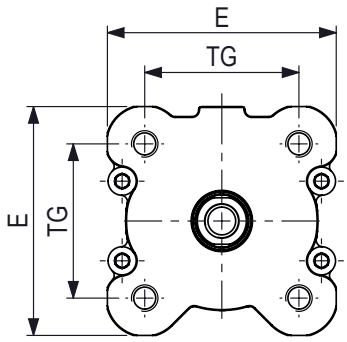
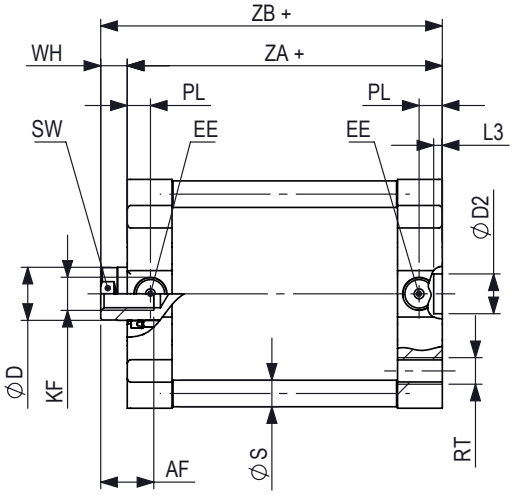
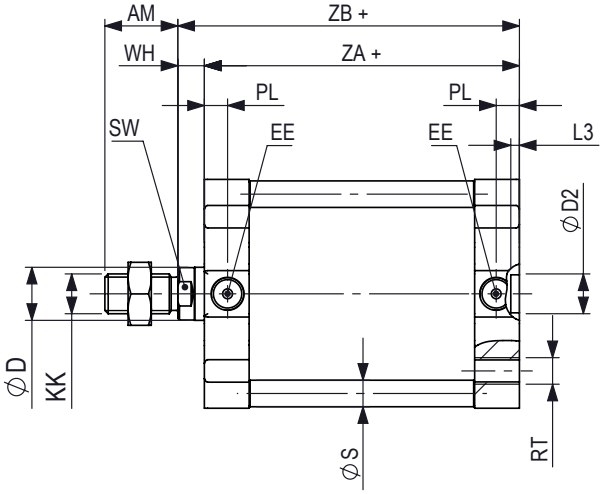
DOPPIO EFFETTO - DOUBLE ACTING

CIDE0N(M/F) - CIDE0M(M/F)







Ø	ØD	SW	AF	AM	KK	WH	ZA	ZB	KF	EE	TG	E	RT	PL	ØD2	L3	ØS
20	10	9	10	16	M8X1,25	6	37	43	M6X1	M5X0,8	22	32	M5X0,8	6,75	9	2,1	6
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

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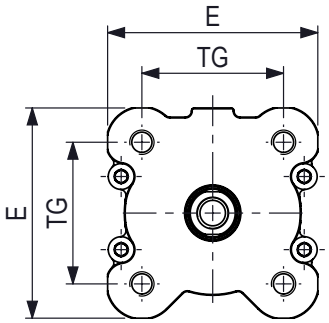
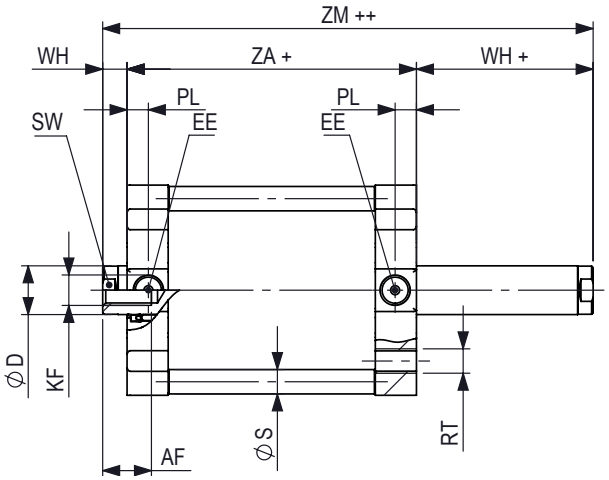
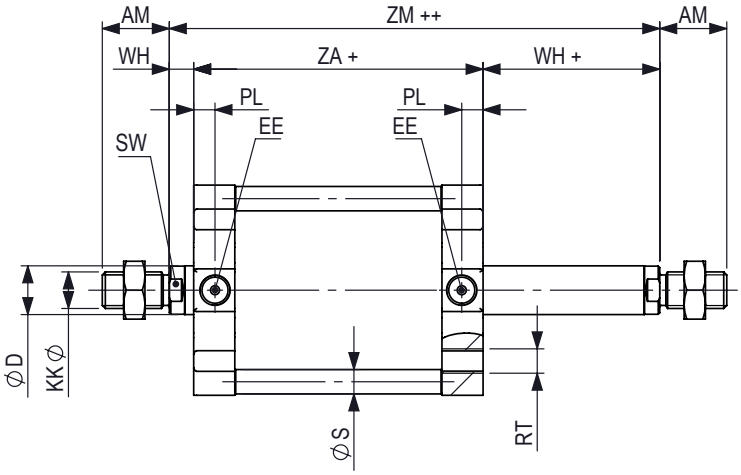
ISO21287 INOX COMPACT CYLINDERS Ø20 - Ø100

DOPPIO EFFETTO PASSANTE - DOUBLE ACTING THROUGH ROD

CIDE1N(M/F) - CIDE1M(M/F)







Ø	ØD	SW	AF	AM	KK	WH	ZA	ZM	KF	EE	TG	E	RT	PL	ØS
20	10	9	10	16	M8X1,25	6	37	49	M6X1	M5X0,8	22	32	M5X0,8	6,75	6
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

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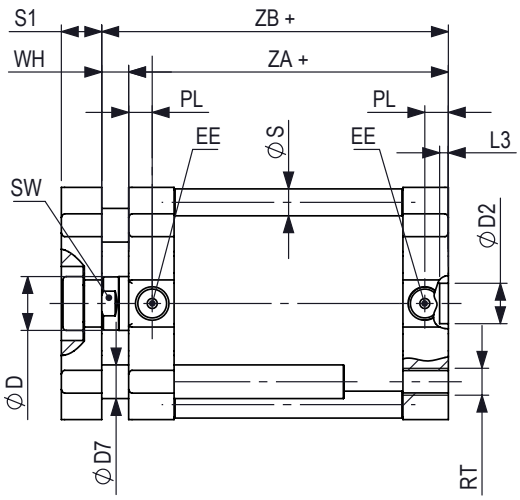
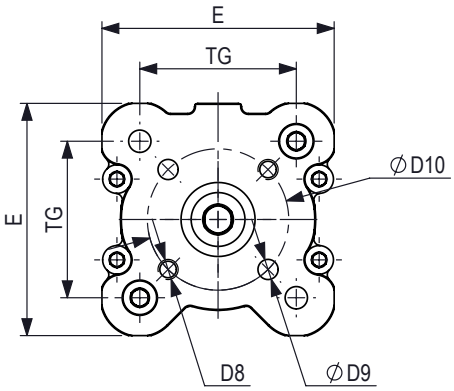
DOPPIO EFFETTO ANTIROTAZIONE - DOUBLE ACTING NOT ROTATING

CIDE0NF...E - CIDE0MF...E





Ø	ØD	SW	WH	ZA	ZB	EE	TG	E	RT	PL	ØD2	L3	ØS	ØD6	L4	ØD7	ØD10	ØD2	ØD3	L5	S1
20	10	9	6	37	43	M5X0,8	22	32	M5X0,8	6,75	9	2,1	6	11	5	5	17	M4X0,7	4	1	8
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

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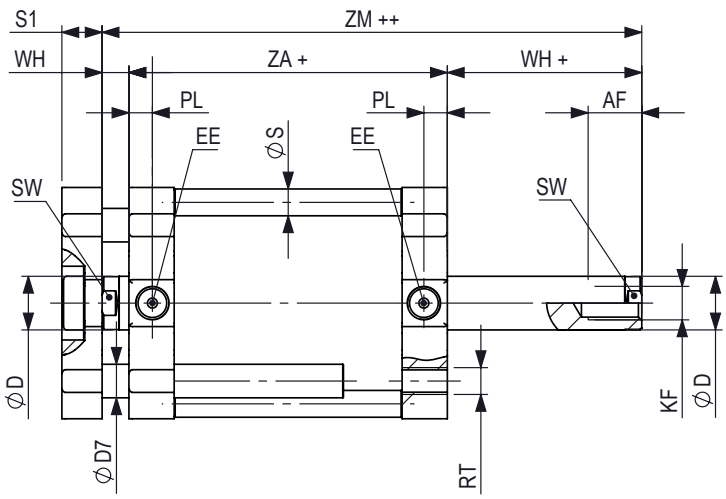
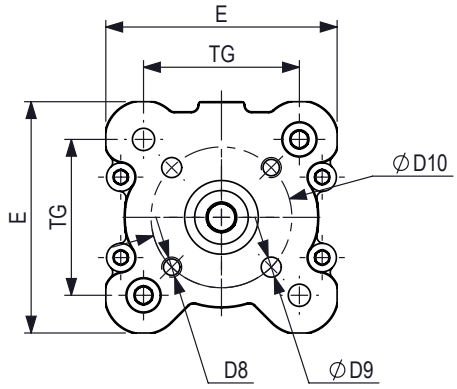
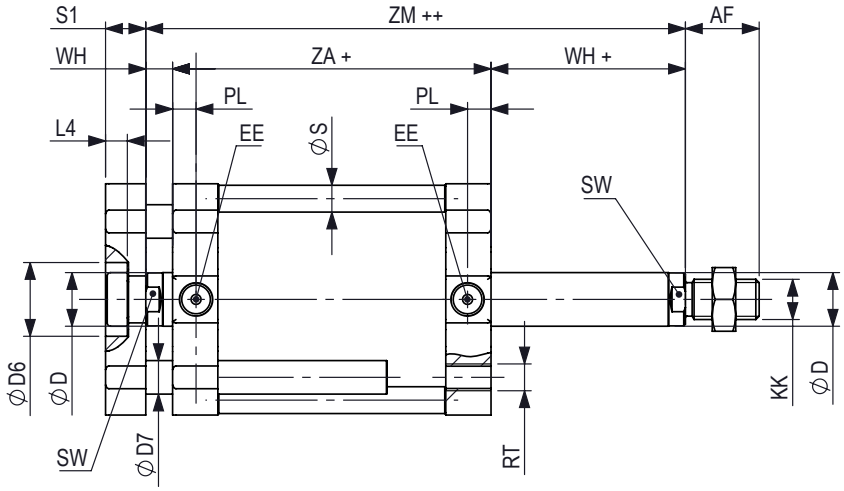
DOPPIO EFFETTO PASSANTE ANTIROTAZIONE - DOUBLE ACTING THOUGH ROD NOT ROTATING

CIDE1N(M/F)...E - CIDE1M(M/F)...E







Ø	ØD	SW	AM	WH	ZA	ZM	EE	TG	E	RT	PL	ØD2	L3	ØS	ØD6	L4	ØD7	ØD10	ØD2	ØD3	L5	S1
20	10	9	16	6	37	49	M5X0,8	22	32	M5X0,8	6,75	9	2,1	6	11	5	5	17	M4X0,7	4	1	8
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
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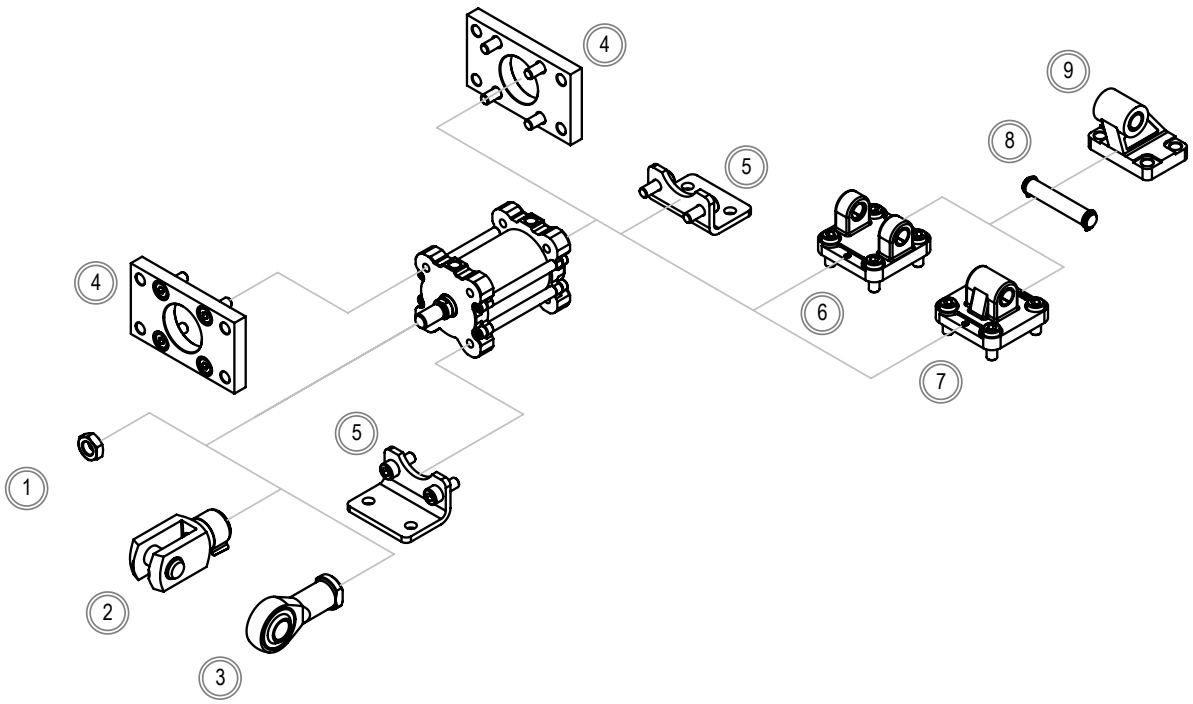
ACCESSORI DI FISSAGGIO - MOUNTING ACCESSORIES



	Descrizione Description	Acciaio Steel	Acciaio inox Stainless steel
1	Dado stelo Piston rod nut	154	178
2	Forcella Clevis	152	177
3	Testa a snodo Rod end	153	177
4	Flangia MF1-MF2 Flange MF1-MF2	167	185
5	Piedino basso MS1 Low rise pedestral MS1	167	185
6	Cerniera femmina MP2 Female hinge MP2	164	181
7	Cerniera maschio MP4 Male hinge MP4	164	181
8	Perno ISO AA4 ISO Pin AA4	161	182
9	Articolazione a squadra AB7 Square join AB7	165	182

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KIT DI MONTAGGIO - MOUNTING KIT

Contenuto del Kit - Kit parts
Kit cilindro doppio effetto magnetico Kit for double acting magnetic cylinder
Testata anteriore completa / Complete front cover
Testata posteriore completa / Complete rear cover
Pistone completo / Complete piston
Tappi protezione alimentazioni / Air supply protection caps
CIDE0MMØK001

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

ASTA STELO - PISTON ROD BAR

Ø cilindro cylinder Ø	Barra stelo - Piston rod bar		Ø stelo Piston rod Ø
	Barra stelo in AISI303 AISI303 Piston rod bar	Barra stelo in AISI316 AISI316 Piston rod bar	
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 cilindro cylinder Ø	Barra tubo - Tube bar
	Barra tubo in AISI304 AISI304 tube bar
Ø20	V30TGT0320000
Ø25	V30TGT0325000
Ø32	V30TGT0332000
Ø40	V30TGT0340000
Ø50	V30TGT0350000
Ø63	V30TGT0363000
Ø80	V30TGT0380000
Ø100	V30TGT03A0000

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.

MADE IN ITALY

3A AUTOMATION