SERIE

X

2024_LINE_1

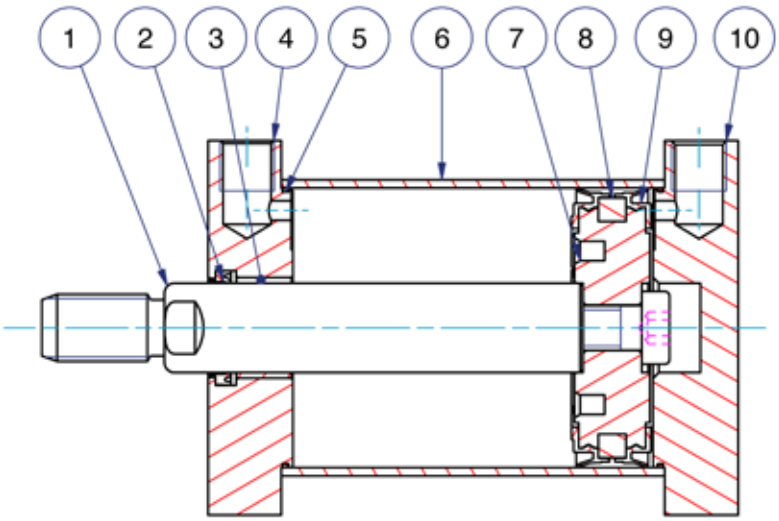
Cilindri compatti inox ISO 15552

ISO 15552 Stainless steel compact cylinders

t3 components

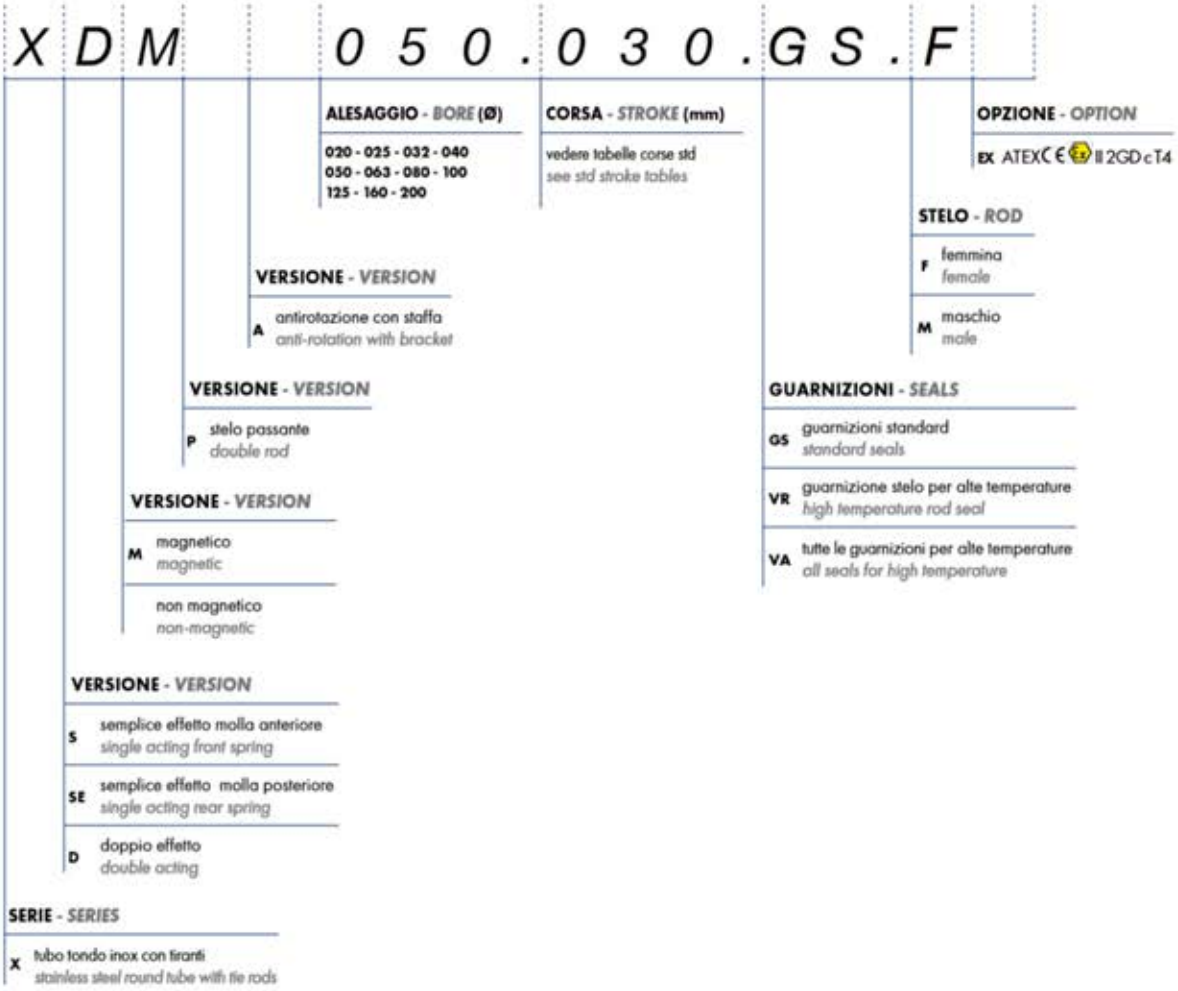
CARATTERISTICHE TECNICHE - *TECHNICAL CHARACTERISTICS*	
Pressione di esercizio ***Working pressure***	1 ÷ 10 bar (doppio effetto - *double acting*) 2 ÷ 10 bar (semplice effetto - *single acting*)
Temperatura di esercizio ***Working temperature***	0 ÷ +80°C (-20°C con aria secca - *with dry air*) 0 ÷ +150°C (con guarnizioni per alte temperature - *with high temperature seals*)
Versioni - *Versions*	semplice effetto - doppio effetto - antirotazione - stelo passante *single acting - double acting - anti-rotation - double rod*
Alesaggi - *Bores*	ø 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 - 125 - 160 - 200
Corse - *Strokes*	vedere tabelle corse standard - *see standard stroke tables*
Fluido - *Fluid*	aria compressa filtrata, non lubrificata - *compressed filtered, non lubricated air*

CARATTERISTICHE COSTRUTTIVE - *CONSTRUCTIVE CHARACTERISTICS*		
①	**Stelo** - *Rod*	ø 020 ÷ 100 acciaio inox AISI 316 - *AISI 316 stainless steel* ø 125 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
②⑨	**Guarnizioni** - *Seals*	poliuretano - *polyurethane*
③	**Boccola** - *Bush*	tecnopolimero - *technopolymer*
④⑩	**Testate** - *Covers*	ø 020 ÷ 100 acciaio inox AISI 316 - *AISI 316 stainless steel* ø 125 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
⑤	**O-ring**	NBR
⑥	**Tubo** - *Tube*	ø 020 - 25 acciaio inox AISI 304 - *AISI 304 stainless steel* ø 032 -100 acciaio inox AISI 316 - *AISI 316 stainless steel* ø 125 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
⑦	**Pistone** - *Piston*	alluminio - *aluminium*
⑧	**Magnete** - *Magnet*	ø 20 ÷ 32 neodimio - *neodymium alloy* ø 40 ÷ 200 plastoferrite - *rubber magnet*
	Tiranti - *Tie rods*	ø 020 ÷ 100 acciaio inox AISI 316 - *AISI 316 stainless steel* ø 125 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
	Viti - *Screws*	ø 020 ÷ 100 acciaio inox AISI 316 - *AISI 316 stainless steel* ø 125 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
	Dado stelo - *Rod nut*	ø 20 ÷ 200 acciaio inox AISI 304 - *AISI 304 stainless steel*
	Molla - *Spring*	acciaio - *steel*
	Paracolpo - *Bumper*	poliuretano - *polyurethane*



CHIAVE DI CODIFICA

KEY CODE



ESECUZIONI A RICHIESTA - *ON REQUEST*
Filetti speciali (dado non fornito) - *Special thread (without rod nut)*
Stelo prolungato (WH) - *Extended rod (WH)*
Corse fuori standard - Special strokes
ATEX II 2GD c T4

FORZE TEORICHE DI TRAZIONE (P=6bar)

THEORETICAL FORCES OF TRACTION (P=6bar)

		ø	020	025	032	040	050	063	080	100	125	160	200
XDM	SPINTA *THRUST*	[N]	188	295	482	754	1.178	1.869	3.014	4.710	7.280	11.960	18.720
	TRAZIONE *TRACTION*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	6.880	11.200	17.960
XDMA	SPINTA *THRUST*	[N]	188	295	482	754	1.178	1.869	3.014	4.710	-	-	-
	TRAZIONE *TRACTION*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	-	-	-
XDMP	SPINTA *THRUST*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	7.280	11.960	18.720
	TRAZIONE *TRACTION*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	7.280	11.960	18.720
XDMPA	SPINTA *THRUST*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	-	-	-
	TRAZIONE *TRACTION*	[N]	142	248	415	687	1.058	1.750	2.829	4.420	-	-	-

DIAGRAMMA CARICO AMMISSIBILE

XDM XSM XSEM

ALLOWABLE LOAD

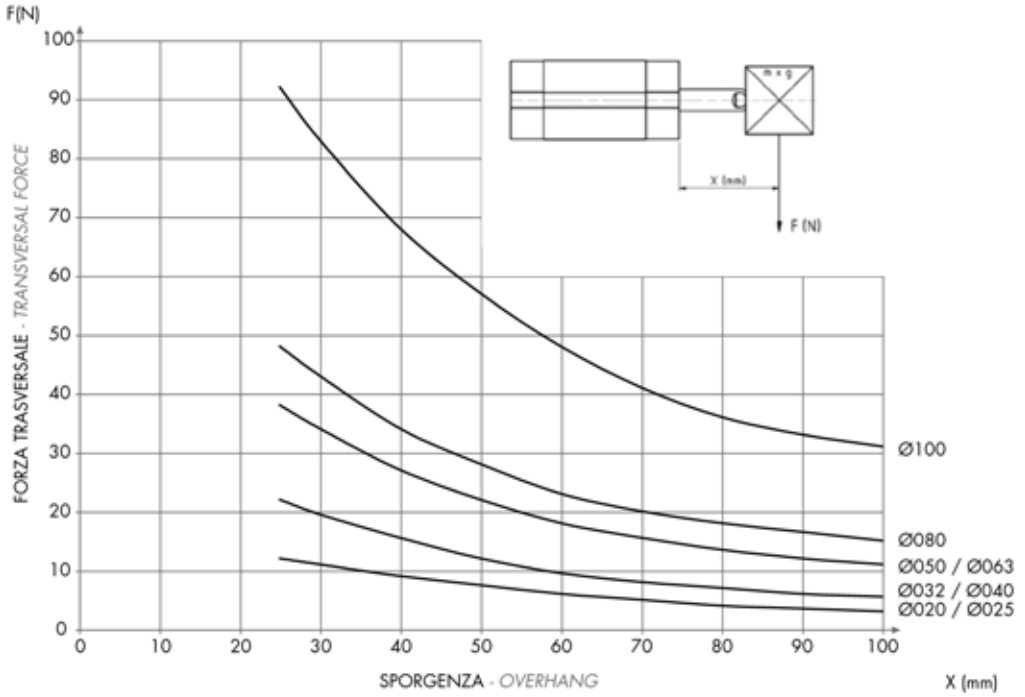


DIAGRAMMA CARICO AMMISSIBILE

XDMA

ALLOWABLE LOAD

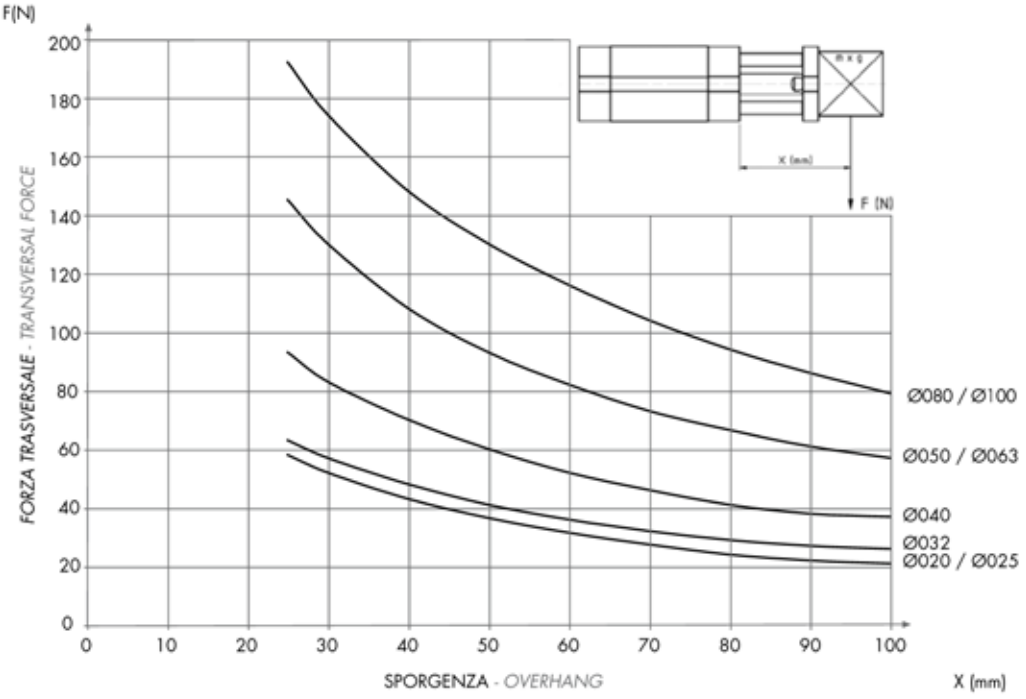


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DIAGRAMMA CARICO AMMISSIBILE

XDMP

ALLOWABLE LOAD

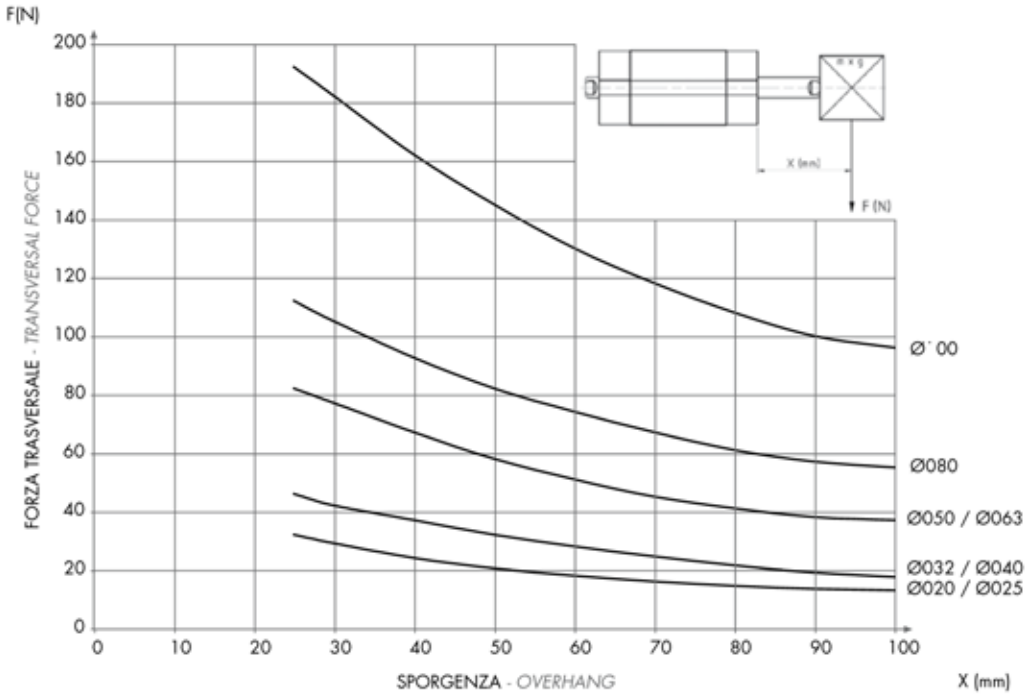

DIAGRAMMA CARICO AMMISSIBILE

XDMA

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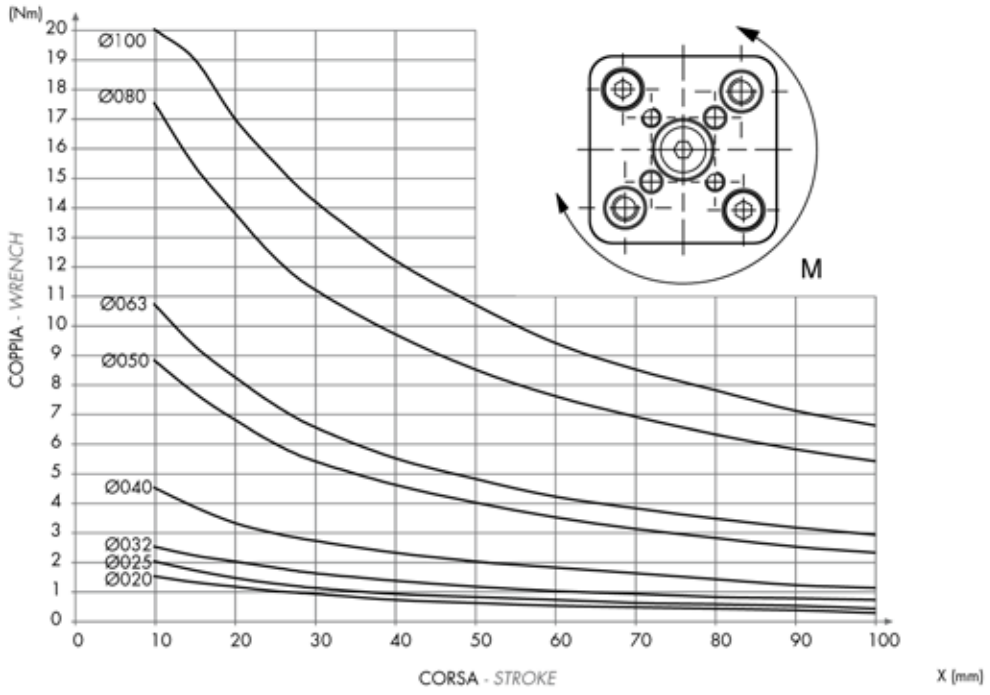

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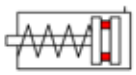
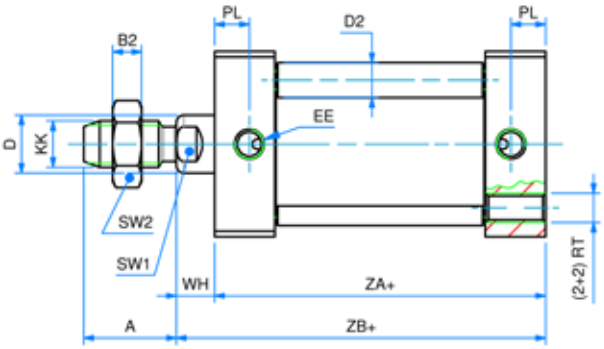
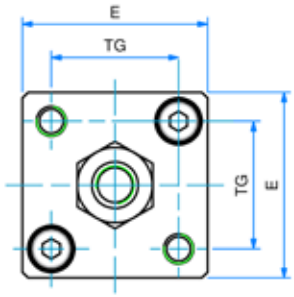
SEMPLICE EFFETTO MAGNETICO - MOLLA ANTERIORE

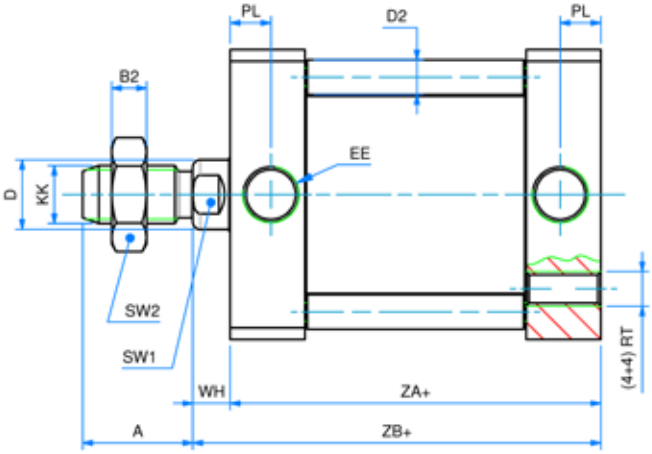
SINGLE ACTING MAGNETIC - FRONT SPRING

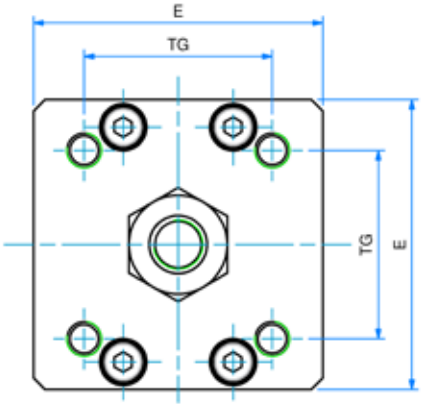




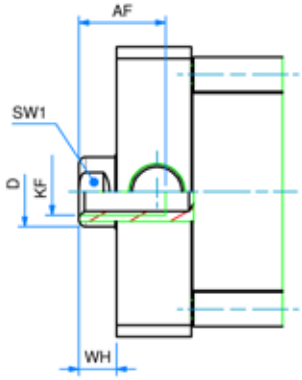


Ø020 - Ø025





Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100



SERIE X

SEMPLICE EFFETTO MAGNETICO - MOLLA ANTERIORE

SINGLE ACTING MAGNETIC - FRONT SPRING

DIMENSIONI - *DIMENSIONS*

ø	020	025	032	040	050	063	080	100
A	16	16	19	19	22	22	28	28
AF	10	10	12	12	16	16	20	20
B2	5	5	6	6	7	7	8	8
ø D	10	10	12	12	16	16	20	25
ø D2	6	6	6	6	7	8	10	10
E	32	36	50	57	67	80	96	116
EE	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"
KF	M6	M6	M8	M8	M10	M10	M12	M12
KK	M8	M8	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5
PL	6	6	7	7	7	7	7,5	7,5
RT	M5	M5	M6	M6	M8	M8	M10	M10
SW1	8	8	10	10	13	13	17	22
SW2	13	13	17	17	19	19	24	24
TG	22	26	32,5	38	46,5	56,5	72	89
WH	6,5	6	6,5	7	8	8	10	10
ZA+	47*	49*	44*	45*	45*	49*	54*	67*
ZB+	53,5*	55*	50,5*	52*	53*	57*	64*	77*

+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

* per corsa - *for stroke* 050:

XSM 020 aggiungere / *add* +10 mm

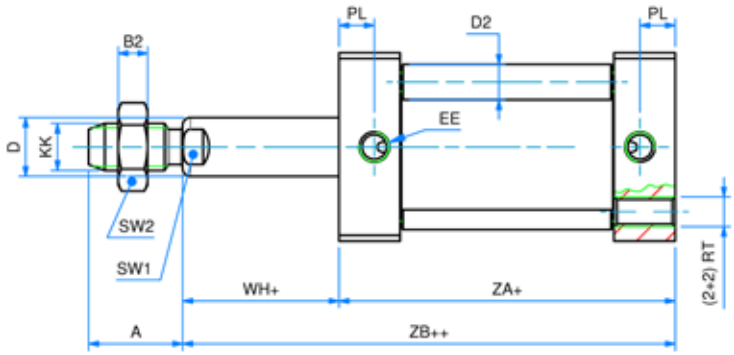
XSM 025-032-040-050-063 aggiungere / *add* +20 mm

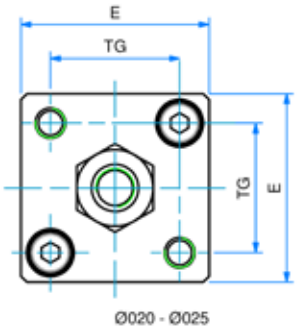
XSM 080-100 aggiungere / *add* + 30 mm

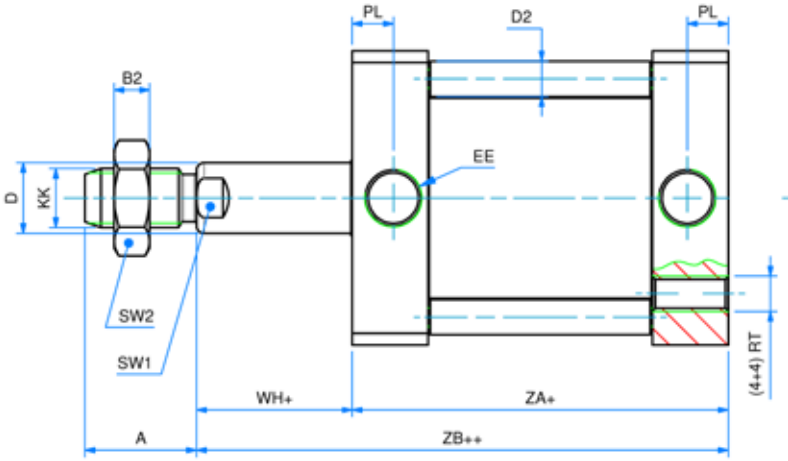
ø	CORSE STANDARD - *STANDARD STROKES*
020	10 - 25 - 50
025	10 - 25 - 50
032	10 - 25 - 50
040	10 - 25 - 50
050	10 - 25 - 50
063	10 - 25 - 50
080	10 - 25 - 50
100	10 - 25 - 50

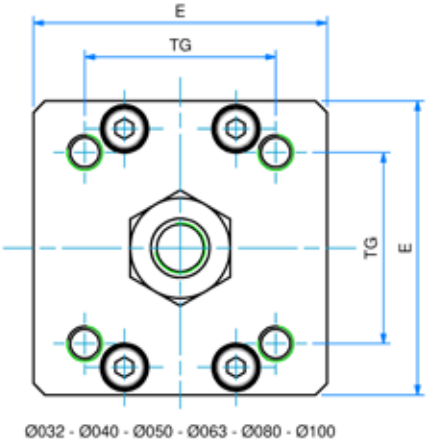
SEMPLICE EFFETTO MAGNETICO - MOLLA POSTERIORE

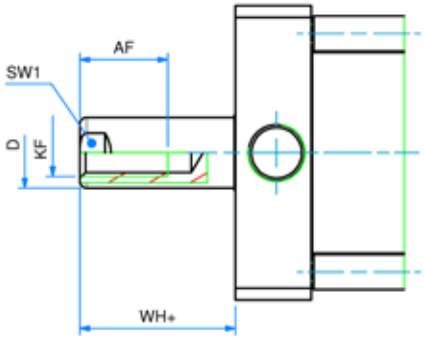
SINGLE ACTING MAGNETIC - REAR SPRING











SERIE X

SEMPLICE EFFETTO MAGNETICO - MOLLA POSTERIORE

SINGLE ACTING MAGNETIC - REAR SPRING

DIMENSIONI - *DIMENSIONS*

ø	020	025	032	040	050	063	080	100
A	16	16	19	19	22	22	28	28
AF	10	10	12	12	16	16	20	20
B2	5	5	6	6	7	7	8	8
ø D	10	10	12	12	16	16	20	25
ø D2	6	6	6	6	7	8	10	10
E	32	36	50	57	67	80	96	116
EE	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"
KF	M6	M6	M8	M8	M10	M10	M12	M12
KK	M8	M8	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5
PL	6	6	7	7	7	7	7,5	7,5
RT	M5	M5	M6	M6	M8	M8	M10	M10
SW1	8	8	10	10	13	13	17	22
SW2	13	13	17	17	19	19	24	24
TG	22	26	32,5	38	46,5	56,5	72	89
WH+	6,5	6	6,5	7	8	8	10	10
ZA+	47*	49*	44*	45*	45*	49*	54*	67*
ZB++	53,5*	55*	50,5*	52*	53*	57*	64*	77*

* per corsa / *for stroke* 050:

XSEM 020-025 aggiungere / *add* +10 mm

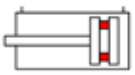
XSEM 032-040-050-063 aggiungere / *add* +10 mm

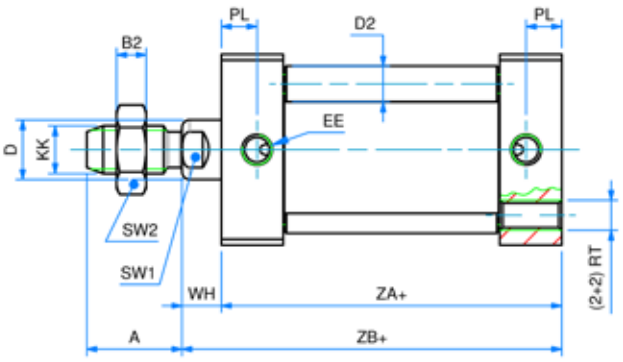
XSEM 080-100 aggiungere / *add* + 20 mm

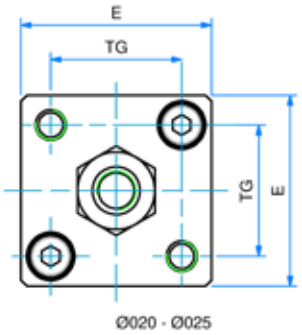
ø	CORSE STANDARD - *STANDARD STROKES*
020	10 - 25 - 50
025	10 - 25 - 50
032	10 - 25 - 50
040	10 - 25 - 50
050	10 - 25 - 50
063	10 - 25 - 50
080	10 - 25 - 50
100	10 - 25 - 50

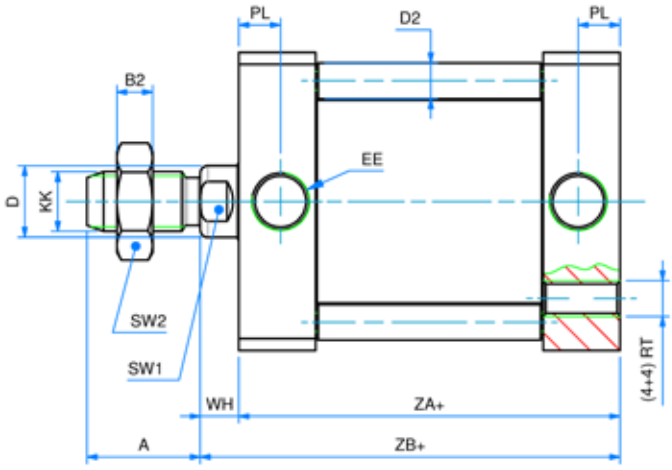
DOPPIO EFFETTO MAGNETICO

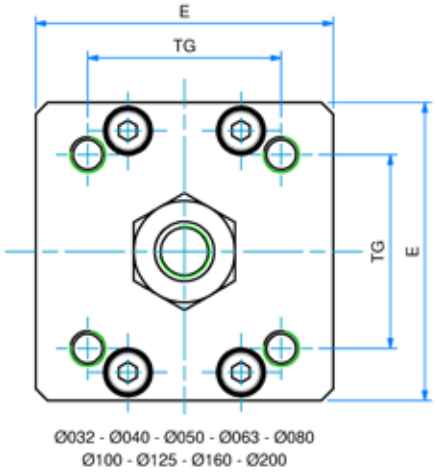
DOUBLE ACTING MAGNETIC

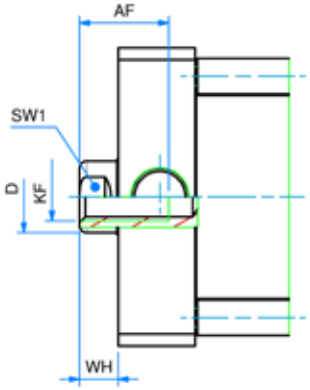












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DOPPIO EFFETTO MAGNETICO

DOUBLE ACTING MAGNETIC

DIMENSIONI - *DIMENSIONS*

ø	020	025	032	040	050	063	080	100	125	160	200
A	16	16	19	19	22	22	28	28	54	72	72
AF	10	10	12	12	16	16	20	20	25	30	30
B2	5	5	6	6	7	7	8	8	12	14	14
ø D	10	10	12	12	16	16	20	25	30	40	40
ø D2	6	6	6	6	7	8	10	10	10	12	14
E	32	36	50	57	67	80	96	116	140	180	220
EE	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	1/4"	3/8"	3/8"
KK	M8	M8	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5	M27x2	M36x2	M36x2
KF	M6	M6	M8	M8	M10	M10	M12	M12	M14	M20	M20
PL	6	6	7	7	7	7	7,5	7,5	10	12	12
RT	M5	M5	M6	M6	M8	M8	M10	M10	M12	M16	M16
SW1	8	8	10	10	13	13	17	22	28	36	36
SW2	13	13	17	17	19	19	24	24	41	55	55
TG	22	26	32,5	38	46,5	56,5	72	89	110	140	175
WH	6,5	6	6,5	7	8	8	10	10	10	12	12
ZA+	37	39	44	45	45	49	54	67	78*	87*	87*
ZB+	43,5	45	50,5	52	53	57	64	77	88*	99*	99*

+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

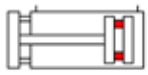
* Versione con guarnizioni per alta temperatura (VA) - *version with high temperature seals (VA):*

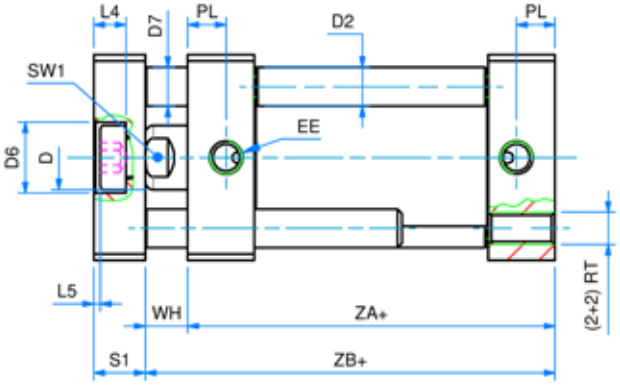
ø	125	160	200
ZA+	83	91	105
ZB+	93	103	117

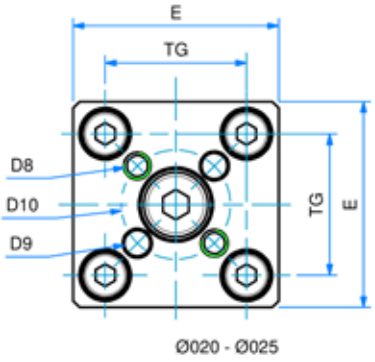
ø	CORSE STANDARD - *STANDARD STROKES*
020	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
025	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
032	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
040	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
050	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
063	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
080	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
100	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
125	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
160	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
200	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300

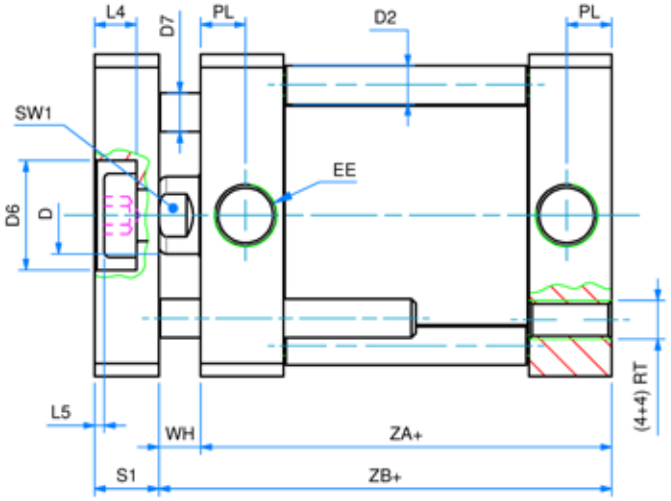
DOPPIO EFFETTO MAGNETICO ANTIROTAZIONE

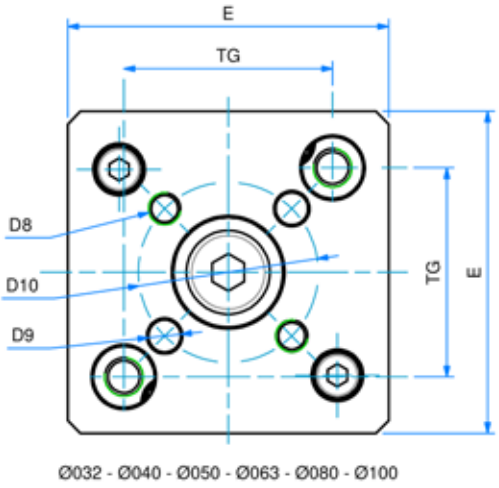
DOUBLE ACTING MAGNETIC ANTI-ROTATION











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DOPPIO EFFETTO MAGNETICO ANTIROTAZIONE

DOUBLE ACTING MAGNETIC ANTI-ROTATION

DIMENSIONI - *DIMENSIONS*

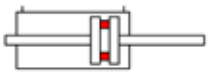
ø	020	025	032	040	050	063	080	100
ø D	10	10	12	12	16	16	20	25
ø D2	6	6	6	6	7	8	10	10
ø D6	11	14	17	17	22	22	28	30
ø D7	6	6	6	8	10	10	12	14
D8	M4	M5	M5	M5	M6	M6	M8	M10
ø D9	4	5	5	5	6	6	8	10
ø D10	17	22	28	33	42	50	65	80
E	32	36	50	57	67	80	96	116
EE	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
SW1	8	8	10	10	13	13	17	22
L4	5	5	6,5	6,5	7,5	7,5	9	10
L5	1	1	1,5	1,5	1,5	1,5	2	3
PL	6	6	7	7	7	7	7,5	7,5
RT	M5	M5	M6	M6	M8	M8	M10	M10
S1	8	8	10	10	12	12	14	14
TG	22	26	32,5	38	46,5	56,5	72	89
WH	6,5	6	6,5	7	8	8	10	10
ZA+	37	39	44	45	45	49	54	67
ZB+	43,5	45	50,5	52	53	57	64	77

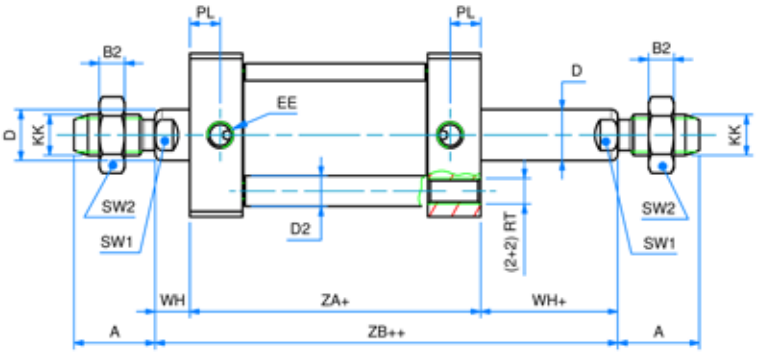
+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

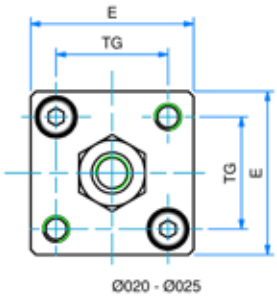
ø	CORSE STANDARD - *STANDARD STROKES*
020	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
025	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
032	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
040	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
050	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
063	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
080	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
100	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400

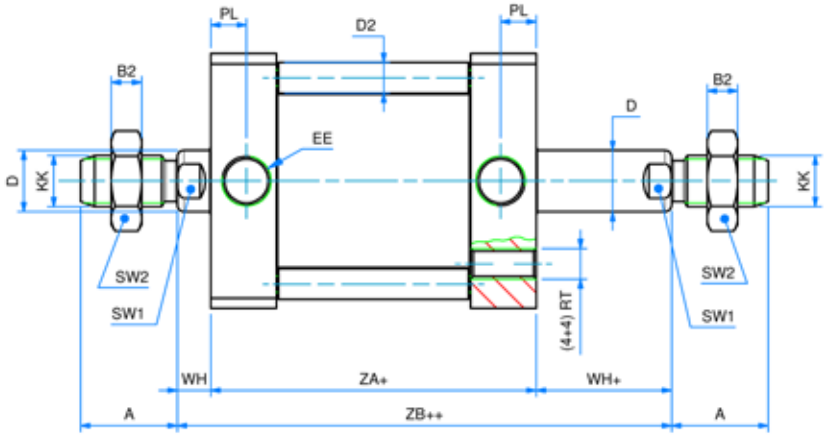
DOPPIO EFFETTO MAGNETICO STELO PASSANTE

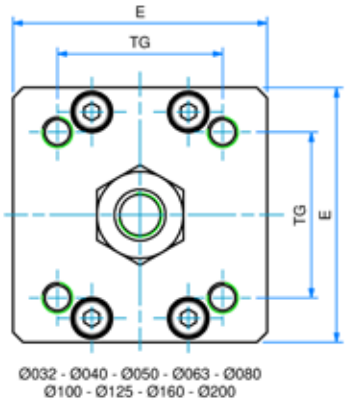
DOUBLE ACTING MAGNETIC WITH DOUBLE ROD

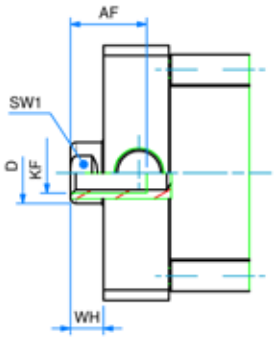












SERIE X

DOPPIO EFFETTO MAGNETICO STELO PASSANTE

DOUBLE ACTING MAGNETIC WITH DOUBLE ROD

DIMENSIONI - *DIMENSIONS*

ø	020	025	032	040	050	063	080	100	125	160	200
A	16	16	19	19	22	22	28	28	54	72	72
AF	10	10	12	12	16	16	20	20	25	30	30
B2	5	5	6	6	7	7	8	8	12	14	14
ø D	10	10	12	12	16	16	20	25	30	40	40
ø D2	6	6	6	6	7	8	10	10	10	12	14
E	32	36	50	57	67	80	96	116	140	180	220
EE	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	1/4"	3/8"	3/8"
KF	M6	M6	M8	M8	M10	M10	M12	M12	M14	M20	M20
KK	M8	M8	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5	M27x2	M36x2	M36x2
PL	6	6	7	7	7	7	7,5	7,5	10	12	12
RT	M5	M5	M6	M6	M8	M8	M10	M10	M12	M16	M16
SW1	8	8	10	10	13	13	17	22	28	36	36
SW2	13	13	17	17	19	19	24	24	41	55	55
TG	22	26	32,5	38	46,5	56,5	72	89	110	140	175
WH	6,5	6	6,5	7	8	8	10	10	10	12	12
WH+	6,5	6	6,5	7	8	8	10	10	10	12	12
ZA+	37	39	44	45	45	49	54	67	78*	87*	87*
ZB++	43,5	45	50,5	52	53	57	64	77	88*	99*	99*

+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

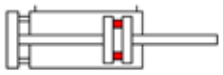
* Versione con guarnizioni per alta temperatura (VA) - *version with high temperature seals (VA):*

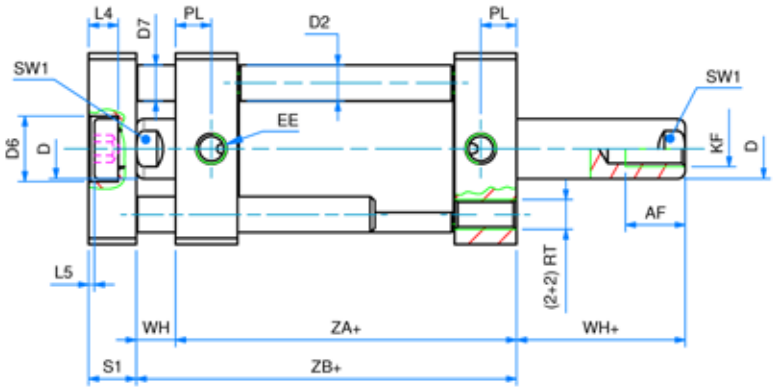
ø	125	160	200
ZA+	83	91	105
ZB+	93	103	117

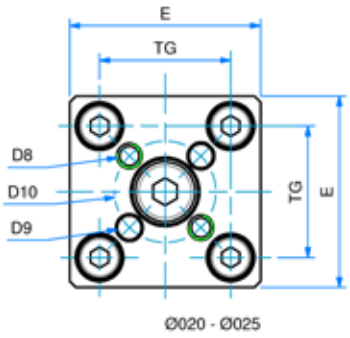
ø	CORSE STANDARD - *STANDARD STROKES*
020	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250
025	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250
032	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
040	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
050	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
063	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
080	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
100	5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 - 75 - 80 - 90 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
125	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
160	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
200	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300

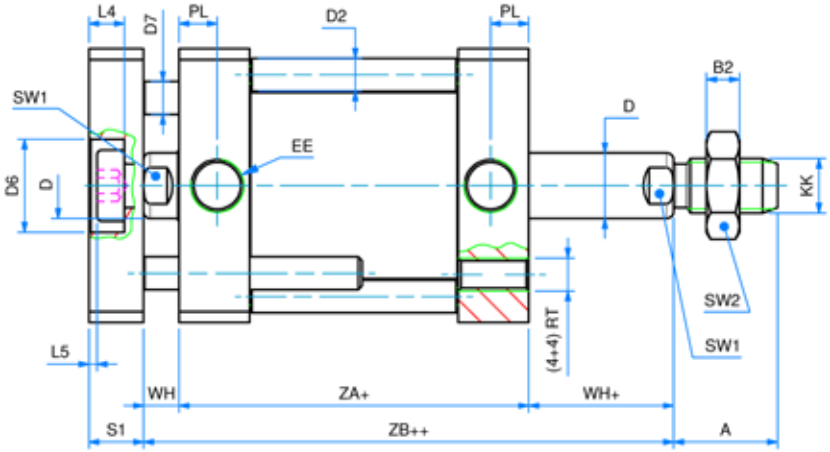
DOPPIO EFFETTO MAGNETICO STELO PASSANTE ANTIROTAZIONE

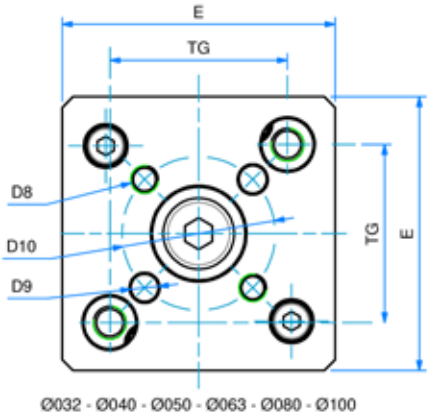
DOUBLE ACTING MAGNETIC ANTI-ROTATION WITH DOUBLE ROD











SERIE X

DOPPIO EFFETTO MAGNETICO STELO PASSANTE ANTIROTAZIONE

DOUBLE ACTING MAGNETIC ANTI-ROTATION WITH DOUBLE ROD

DIMENSIONI - *DIMENSIONS*

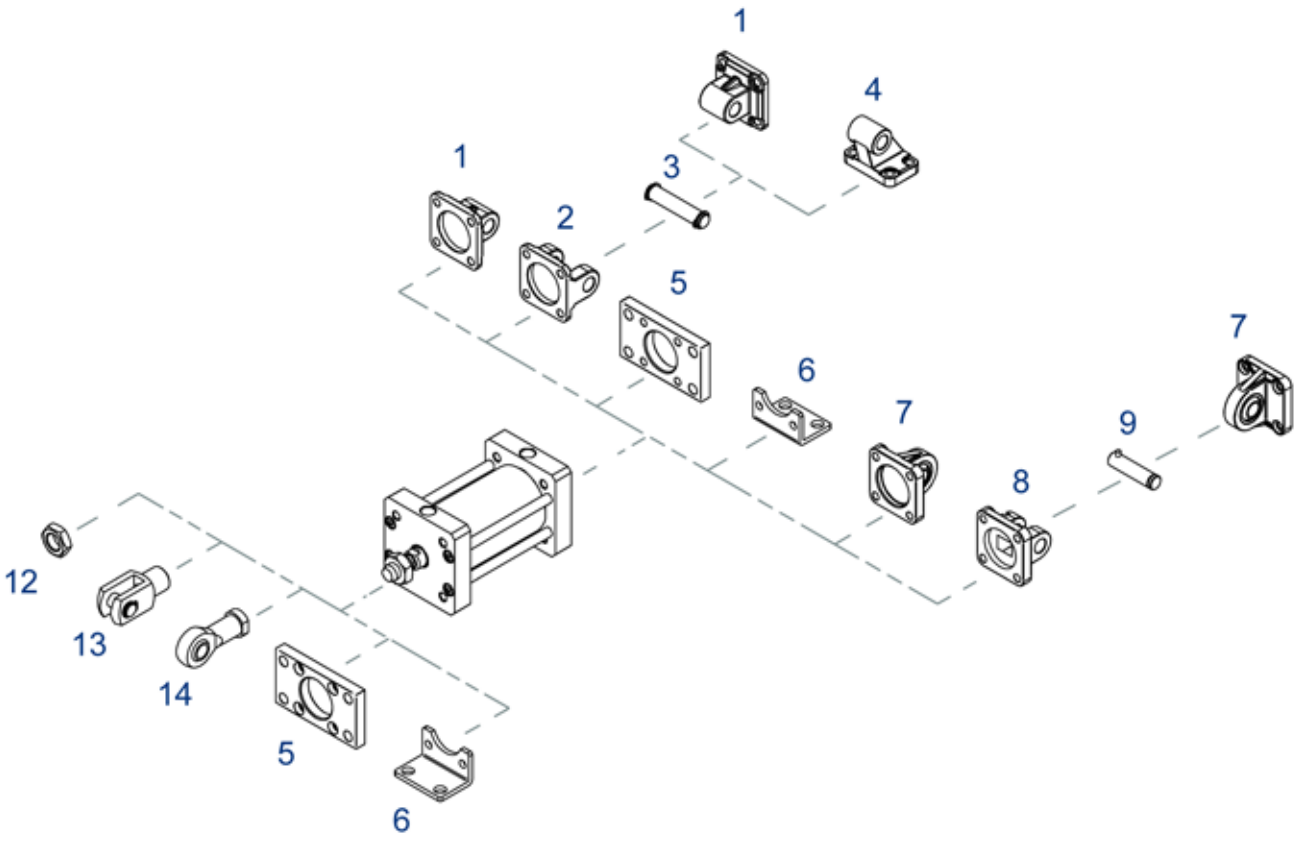
ø	020	025	032	040	050	063	080	100
A	16	16	19	19	22	22	28	28
AF	10	10	12	12	16	16	20	20
B2	5	5	6	6	7	7	8	8
ø D	10	10	12	12	16	16	20	25
ø D2	6	6	6	6	7	8	10	10
ø D6	11	14	17	17	22	22	28	30
ø D7	5	6	6	8	10	10	12	14
D8	M4	M5	M5	M5	M6	M6	M8	M10
ø D9	4	5	5	5	6	6	8	10
ø D10	17	22	28	33	42	50	65	80
E	32	36	50	57	67	80	96	116
EE	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
SW1	8	8	10	10	13	13	17	22
KF	M6	M6	M8	M8	M10	M10	M12	M12
KK	M8	M8	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5
L4	5	5	6,5	6,5	7,5	7,5	9	10
L5	1	1	1,5	1,5	1,5	1,5	2	3
PL	6	6	7	7	7	7	7,5	7,5
RT	M5	M5	M6	M6	M8	M8	M10	M10
S1	8	8	10	10	12	12	14	14
TG	22	26	32,5	38	46,5	56,5	72	89
WH	6,5	6	6,5	7	8	8	10	10
WH+	6,5	6	6,5	7	8	8	10	10
ZA+	37	39	44	45	45	49	54	67
ZB+	43,5	45	50,5	52	53	57	64	77

+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

ø	CORSE STANDARD - *STANDARD STROKES*
020	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
025	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
032	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
040	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
050	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
063	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
080	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400
100	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 - 350 - 400

ACCESSORI DI FISSAGGIO ISO 15552 INOX (UTILIZZABILI ANCHE PER CILINDRI ISO 21287)

STAINLESS STEEL ISO 15552 MOUNTING PARTS (ALSO SUITABLE FOR ISO 21287 CYLINDERS)



POS.	CODE	DESCRIZIONE - *DESCRIPTION*
1	**CMI---X**	cerniera maschio iso - *iso male hinge*
2	**CFI---X**	cerniera femmina iso - *iso female hinge*
3	**PCF---X**	perno per cerniera - *pin for hinge*
4	**ASI---X**	articolazione a squadra iso - *iso square hinge*
5	**FI---X**	flangia iso - *iso flange*
6	**PBI---X**	piedino basso iso - *iso foot mounting*
7	**CMSI---X**	cerniera maschio snodata iso - *iso male hinge with ball joint*
8	**CFSI---X**	cerniera femmina stretta iso - *iso narrow female hinge*
9	**PCFS---X**	perno per cerniera stretta - *pin for narrow hinge*
12	**DA--x---X**	dado - *nut*
13	**FP--x---X**	forcella con perno - *clevis with pin*
14	**SSFI--x---X**	snodo sferico - *rod eye*

Fissaggi forniti con viti - *Mounting parts supplied with screws*

Dimensioni accessori: vedi sezione SERIE W
Accessories dimensions: see SERIE W chapter

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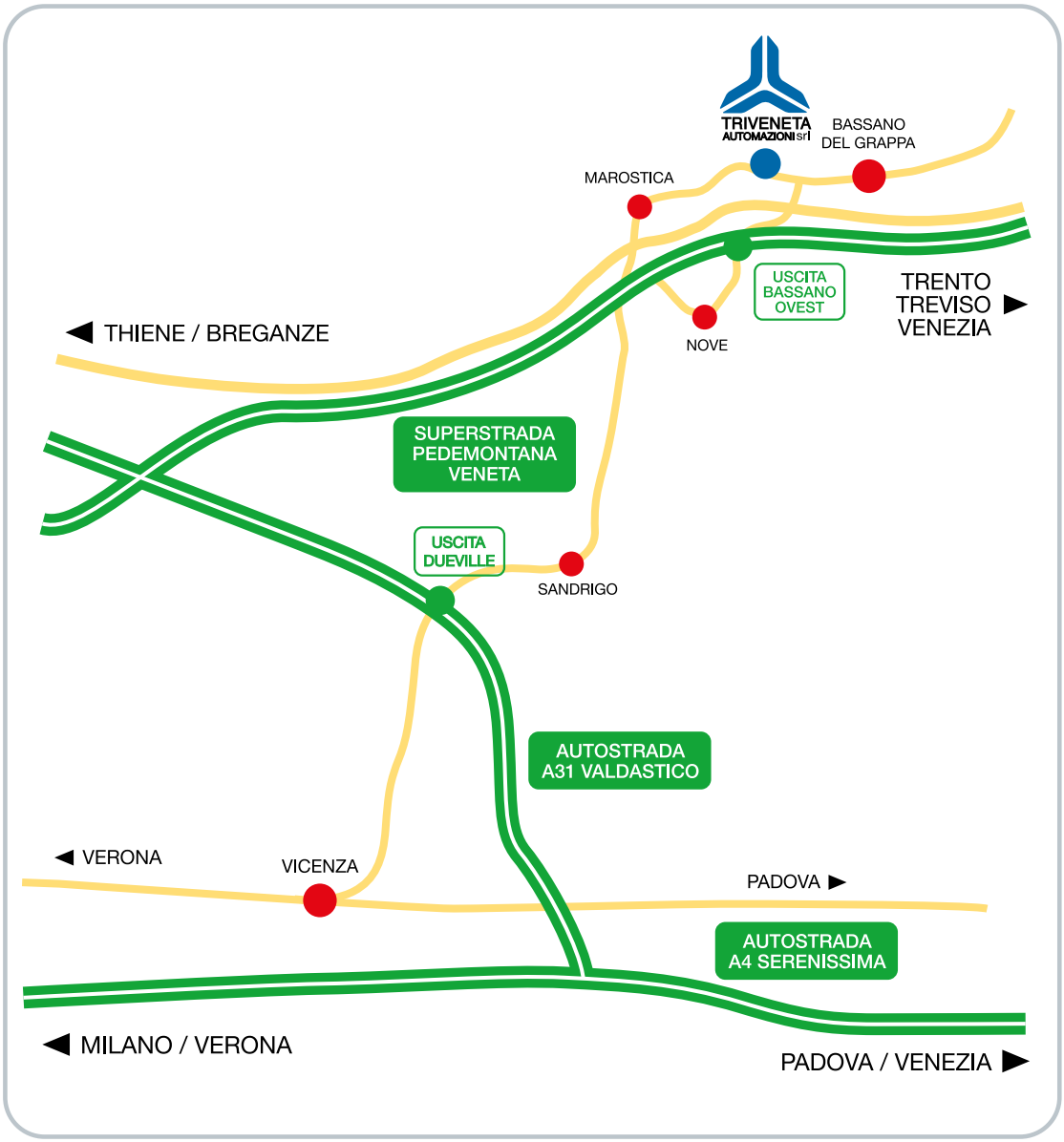

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