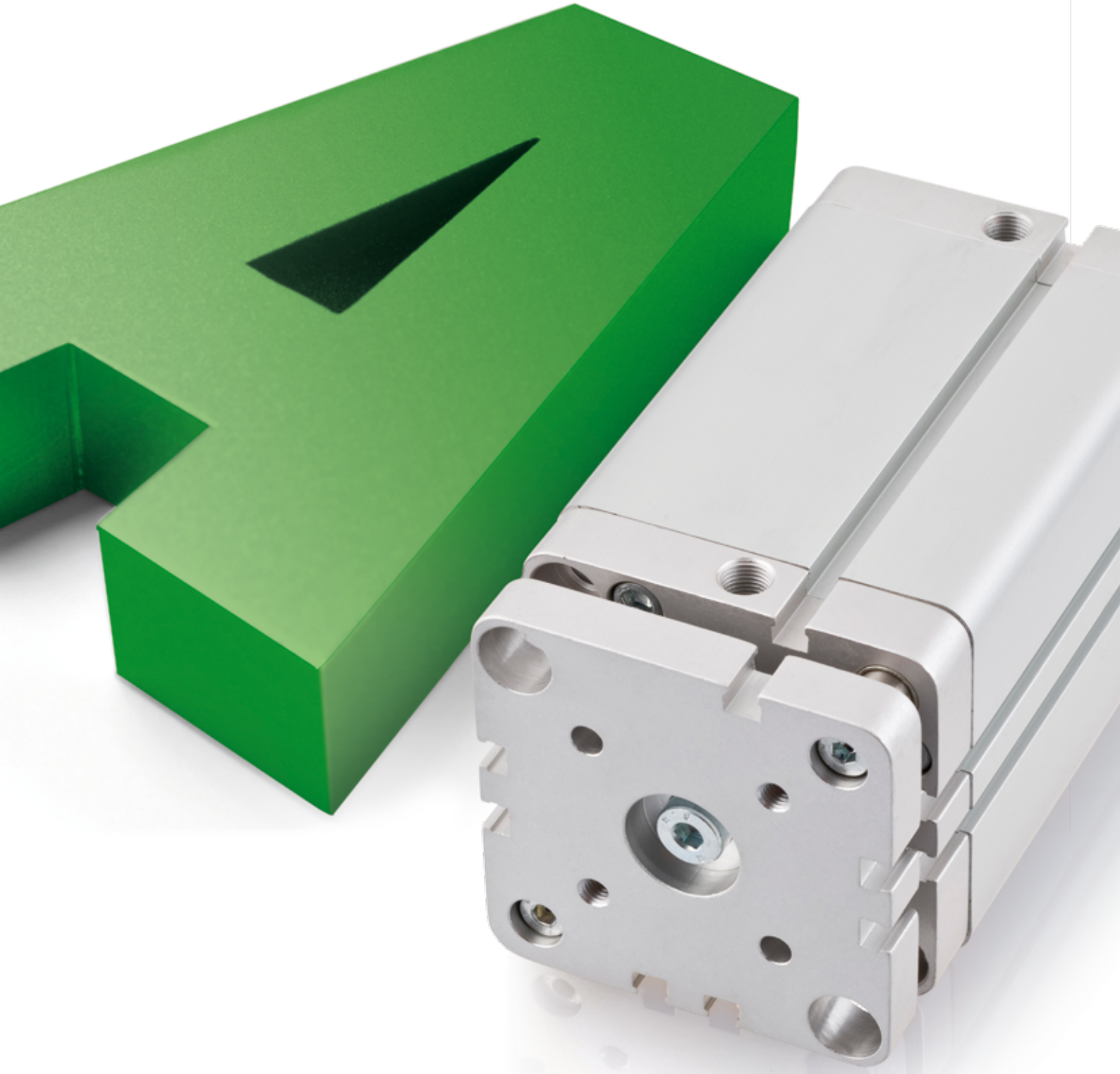


SERIE

A

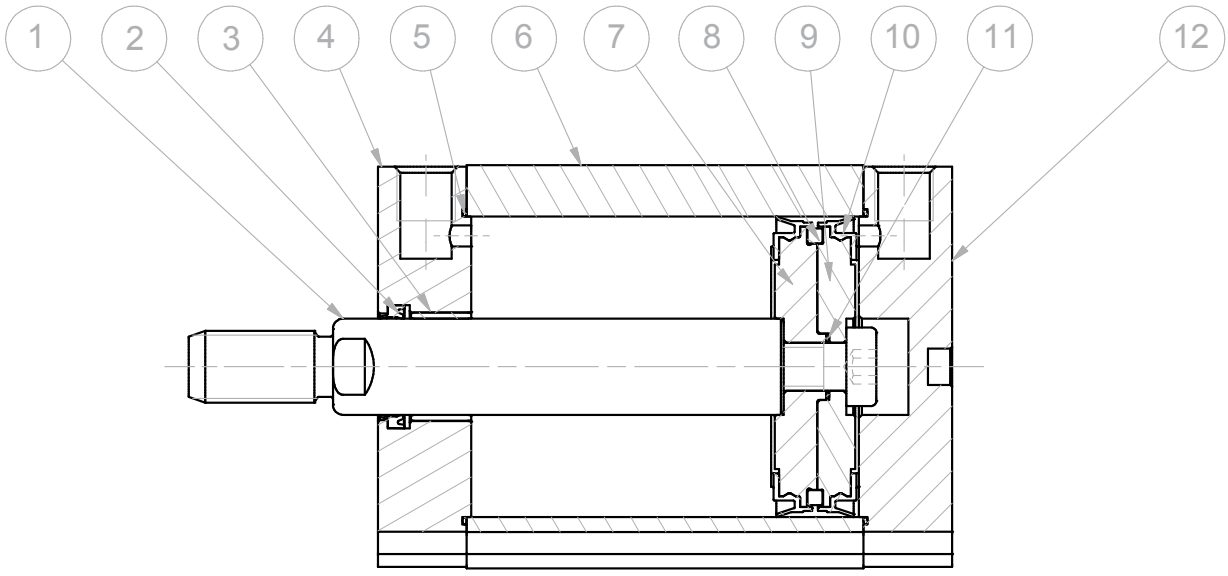
CILINDRI COMPATTI UNITOP
UNITOP COMPACT CYLINDERS

ARTEC®

PNEUMATIC COMPONENTS

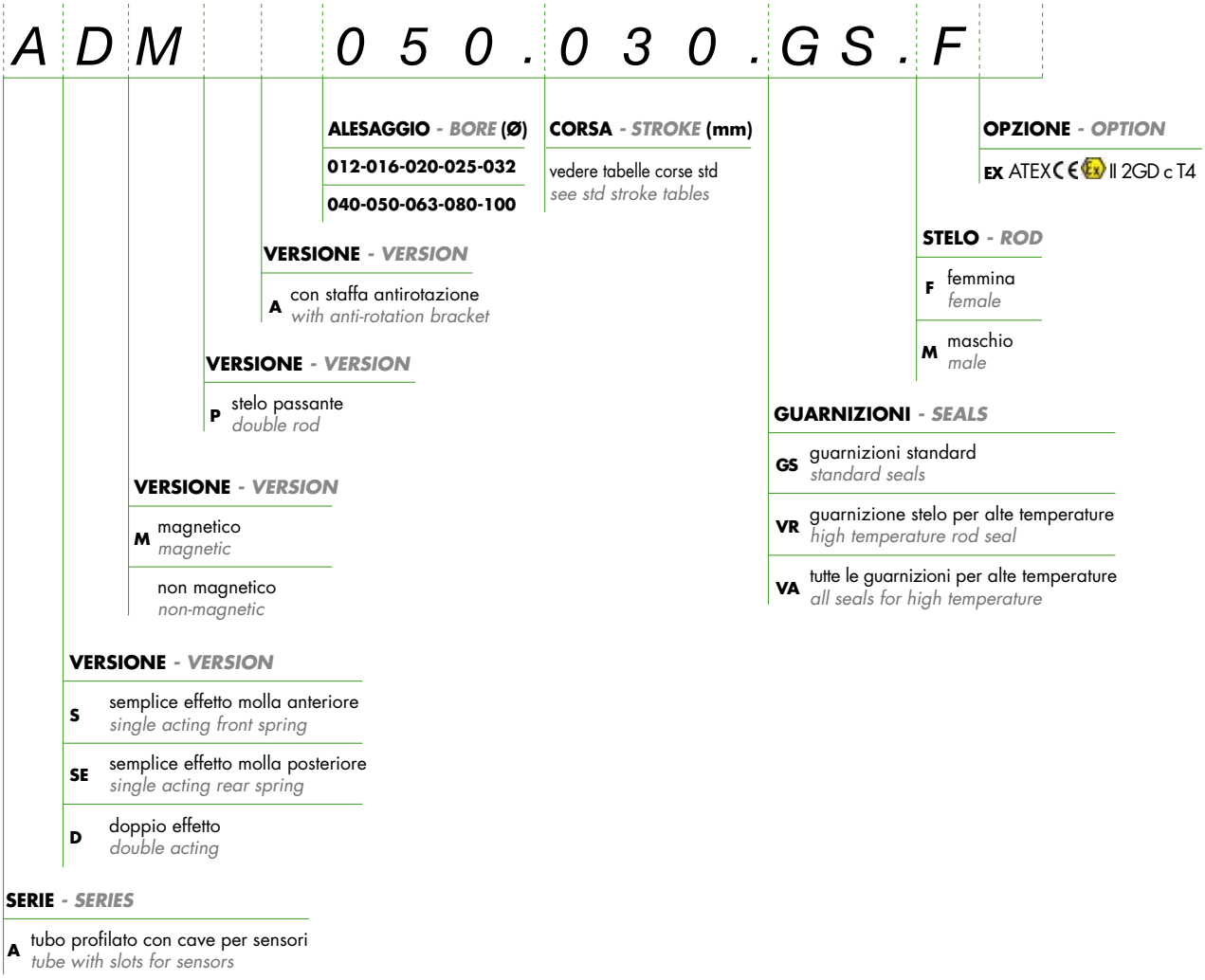
CARATTERISTICHE TECNICHE - *TECHNICAL CHARACTERISTICS*	
Pressione di esercizio ***Working pressure***	1 ÷ 10 bar (doppio effetto - *double acting*) 2 ÷ 10 bar (semplice effetto - *single acting*)
Temperatura di esercizio ***Working temperature***	0 ÷ +80°C (-20°C con aria secca - *with dry air*) 0 ÷ +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 12 - 16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100
Corse - ***Strokes***	vedere tabelle corse standard - *see standard stroke tables*
Fluido - ***Fluid***	aria compressa, filtrata, non lubrificata - *compressed air, filtered, no lubrication*

	CARATTERISTICHE COSTRUTTIVE - *CONSTRUCTIVE CHARACTERISTICS*	
①	**Stelo** - ***Rod***	acciaio inox AISI 303 - *stainless steel AISI 303*
② ⑩	**Guarnizioni** - ***Seals***	poliuretano - *polyurethane*
③	**Boccola** - ***Bush***	acciaio+PTFE - *steel+PTFE*
④ ⑫	**Testate** - ***Covers***	alluminio anodizzato - *anodized aluminium*
⑤ ⑪	**O-ring**	nbr
⑥	**Tubo** - ***Tube***	alluminio anodizzato - *anodized aluminium*
⑦ ⑨	**Pistone** - ***Piston***	alluminio - *aluminium*
⑧	**Magnete** - ***Magnet***	Ø 12 ÷ 50 neodimio - *neodymium alloy* Ø 63 ÷ 100 plastoferrite - *rubber magnet*
	Viti - ***Screws***	acciaio - *steel*
	Molla - ***Spring***	acciaio - *steel*
	Paracolpo - ***Bumper***	poliuretano - *polyurethane*



CHIAVE DI CODIFICA

KEY CODE



ESECUZIONI A RICHIESTA - *ON REQUEST*
Stelo forato - *Hollow rod*
Stelo prolungato (W) - *Extended rod (W)*
Filetti speciali (dado stelo non fornito) - *Special thread (without rod nut)*
ATEX II 2GD c T4

FORZE TEORICHE DI TRAZIONE (P=6bar)

THEORETICAL FORCES OF TRACTION (P=6bar)

		Ø	012/016	020	025	032	040	050	063	080	100
ADM	SPINTA *THRUST*	[N]	121	188	295	482	754	1.178	1.869	3.014	4.710
	TRAZIONE *TRACTION*	[N]	91	142	248	415	687	1.058	1.750	2.829	4.420
ADMA	SPINTA *THRUST*	[N]	121	188	295	483	754	1.178	1.869	3.014	4.710
	TRAZIONE *TRACTION*	[N]	91	142	248	415	687	1.058	1.750	2.829	4.420
ADMP	SPINTA *THRUST*	[N]	91	142	248	415	687	1.058	1.750	2.829	4.420
	TRAZIONE *TRACTION*	[N]	91	142	248	415	687	1.058	1.750	2.829	4.420
ADMPA	SPINTA *THRUST*	[N]	91	142	248	415	687	1.058	1.750	2.829	4.420
	TRAZIONE *TRACTION*	[N]	90	142	248	415	687	1.058	1.750	2.829	4.420

DIAGRAMMA CARICO AMMISSIBILE

APPLICABLE LOAD

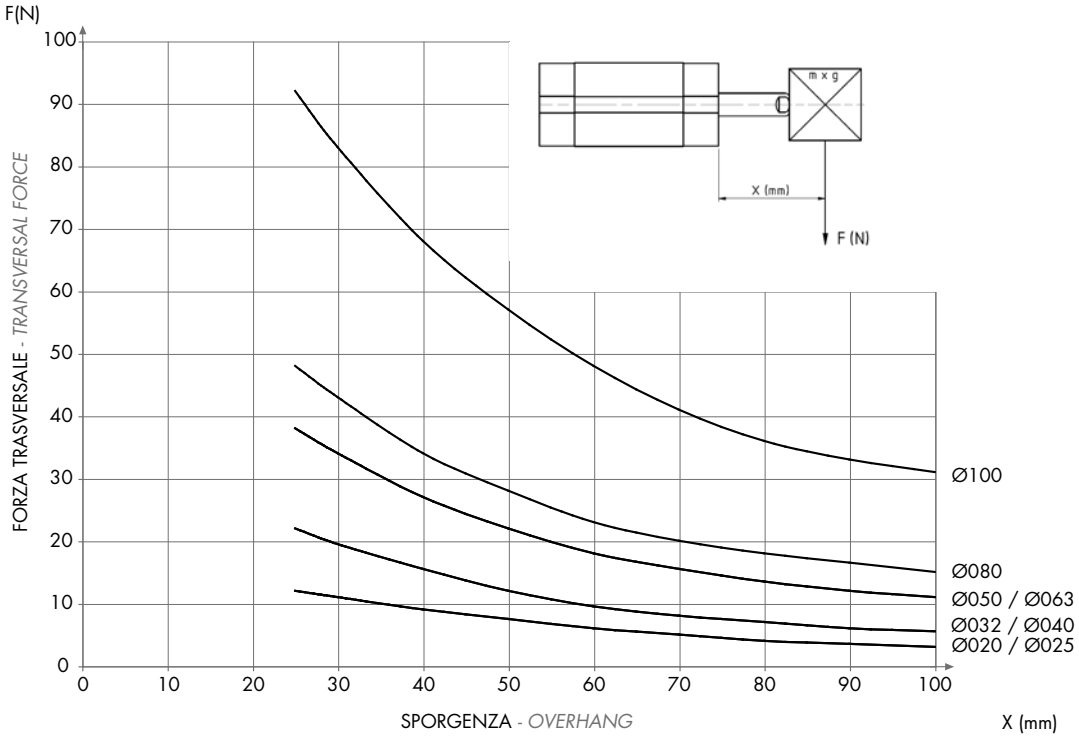
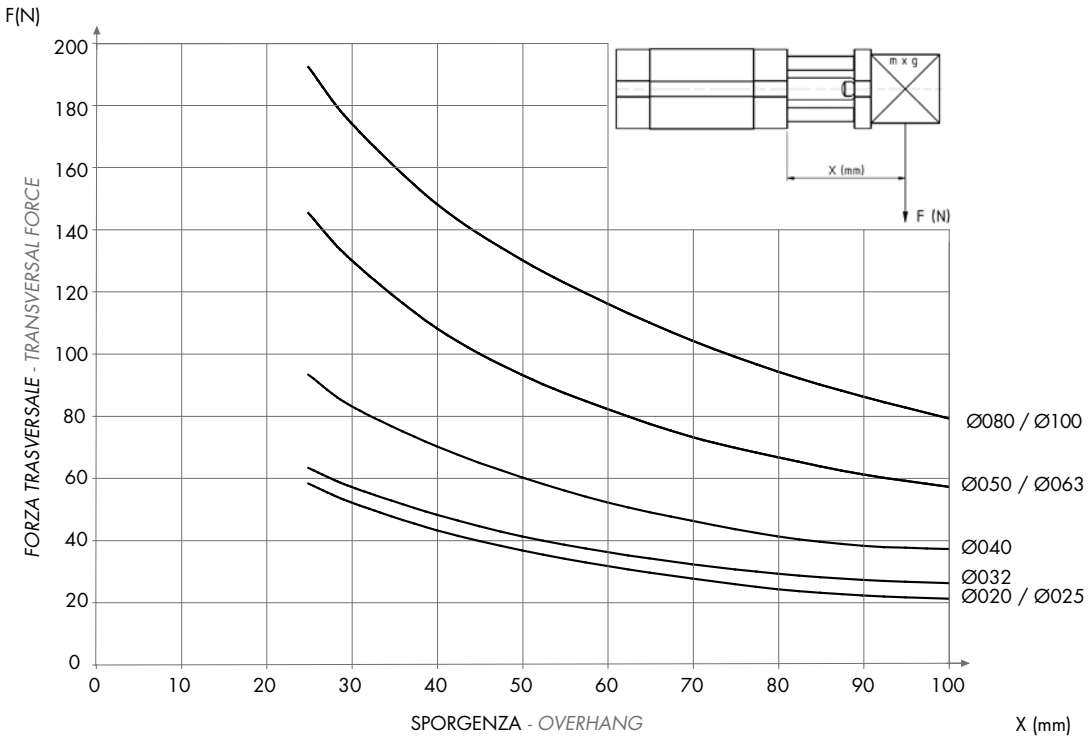


DIAGRAMMA CARICO AMMISSIBILE

APPLICABLE LOAD



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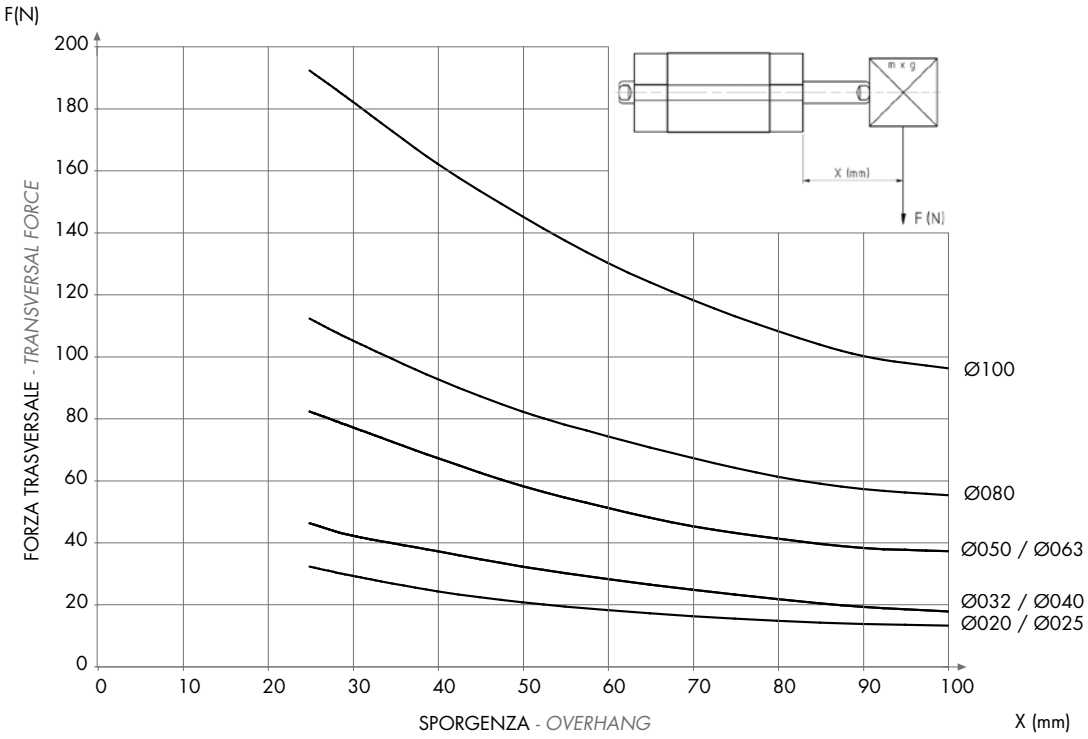

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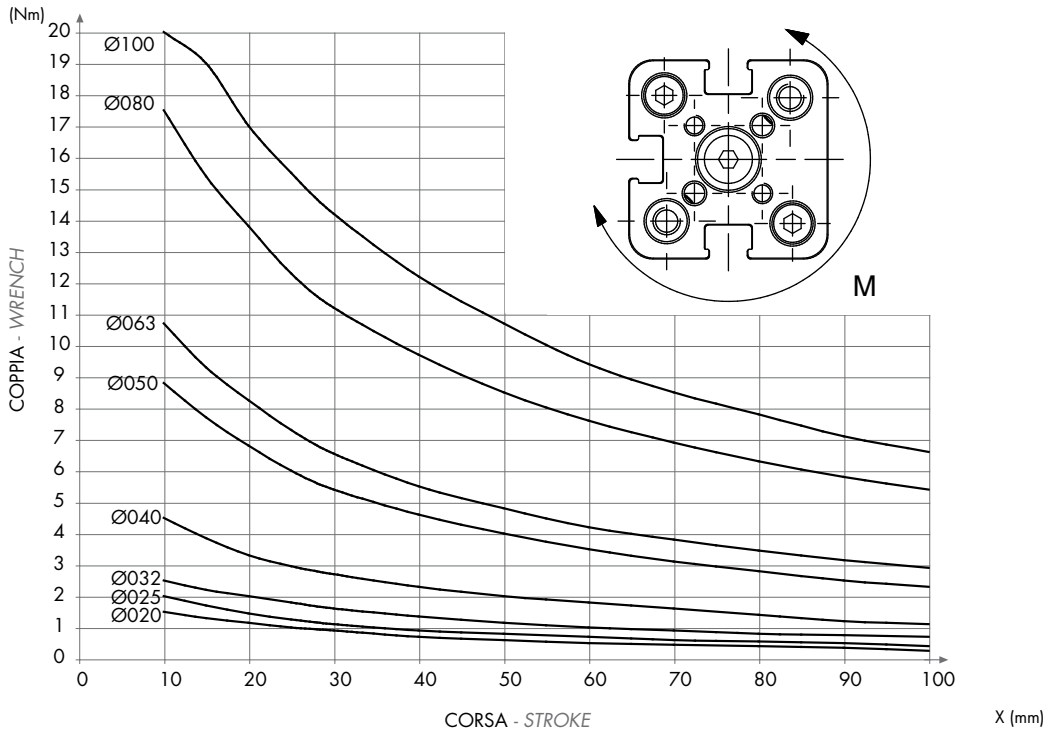
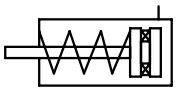
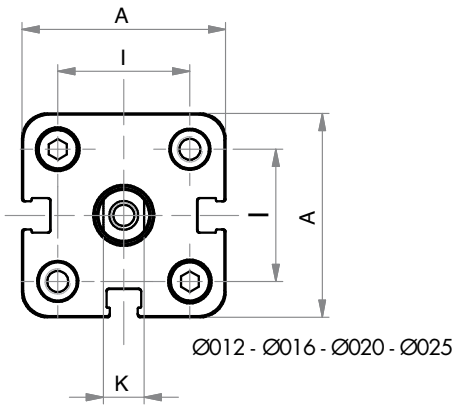


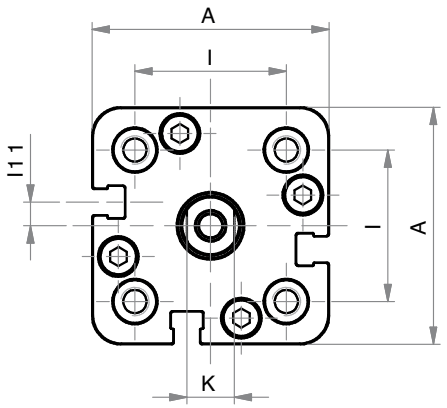
SEMPLICE EFFETTO MAGNETICO - MOLLA ANTERIORE

MAGNETIC SINGLE ACTING - FRONT SPRING

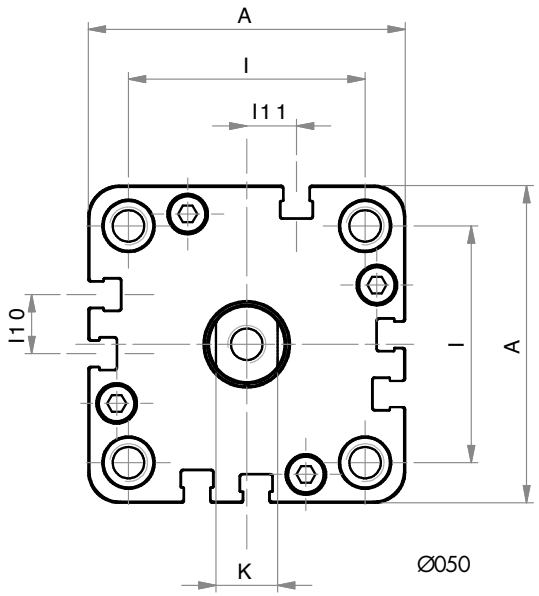




Ø012 - Ø016 - Ø020 - Ø025



Ø032 - Ø040



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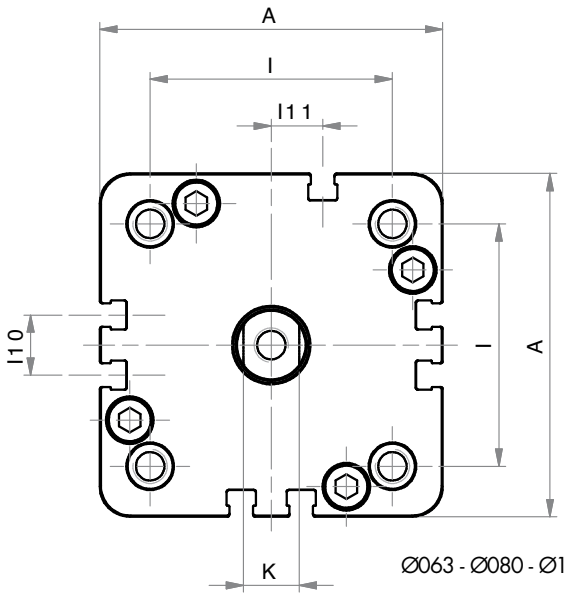
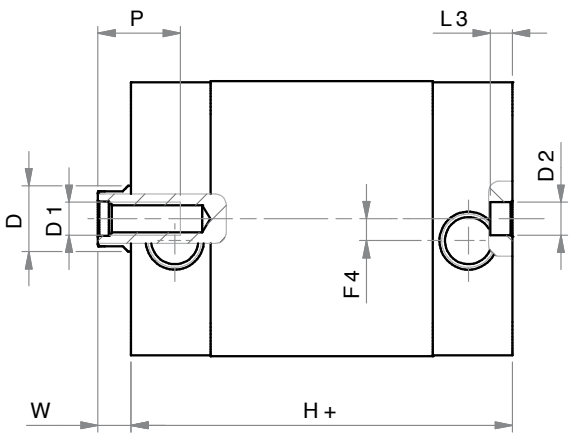
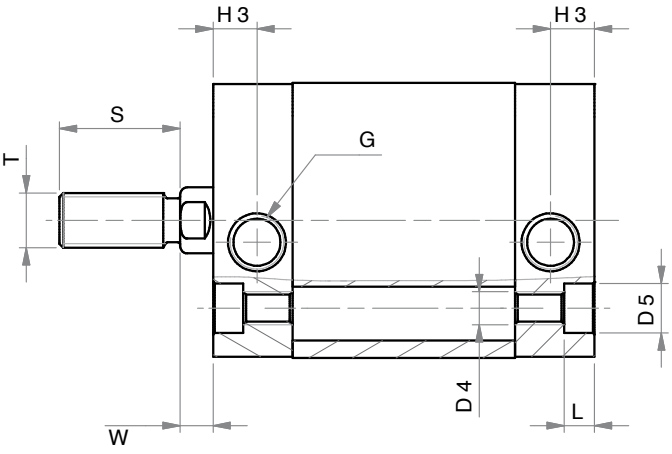


Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	012	016	020	025	032	040	050	063	080	100
A	29	29	36	40	50	58	67	80	100	124
ø D	6	8	10	10	12	12	16	16	20	25
D1	M3	M4	M5	M5	M6	M6	M8	M8	M10	M12
ø D2	6	6	6	6	6	6	6	8	8	8
D4	M4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	6	6	7,5	7,5	9	9	10,5	13,5	13,5	13,5
F4	-	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38*	38*	38*	39,5*	44,5*	45,5*	45,5*	50*	56*	66,5*
H3	8	8	8	8	8	8	8	8	8,5	10,5
I	18	18	22	26	32	42	50	62	82	103
I10	-	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	-	5	3	10,5	12	12	17,5
K	5	6	8	8	10	10	13	13	17	22
L	3,5	3,5	4,5	4,5	5,5	5,5	6,5	8,5	8,5	8,5
L3	4	4	4	4	4	4	4	4	4	4
P	8	11	12	12	15	15	17	17	17	22
S	16	20	22	22	22	22	24	24	32	40
T	M6	M8	M10x1,25	M10x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1.5	M20x1.5
W	4,5	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10

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

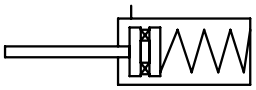
* per corse - *for strokes* 035 - 040 - 050 - 060:
ASM 012 - 016 - 020 aggiungere - *add* +10 mm
ASM 025 - 032 - 040 - 050 - 063 aggiungere - *add* +20 mm
ASM 080 - 100 aggiungere - *add* +30 mm

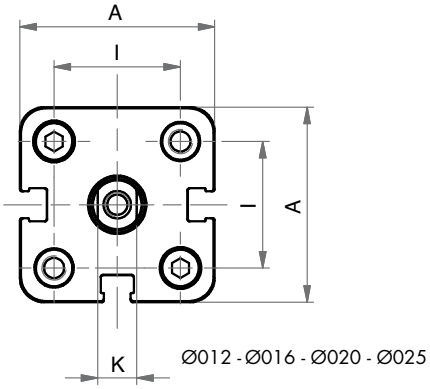
CORSE STANDARD - *STANDARD STROKES*

Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
035	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x

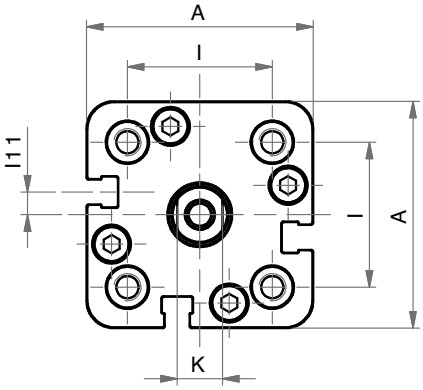
SEMPLICE EFFETTO MAGNETICO - MOLLA POSTERIORE

MAGNETIC SINGLE ACTING - REAR SPRING

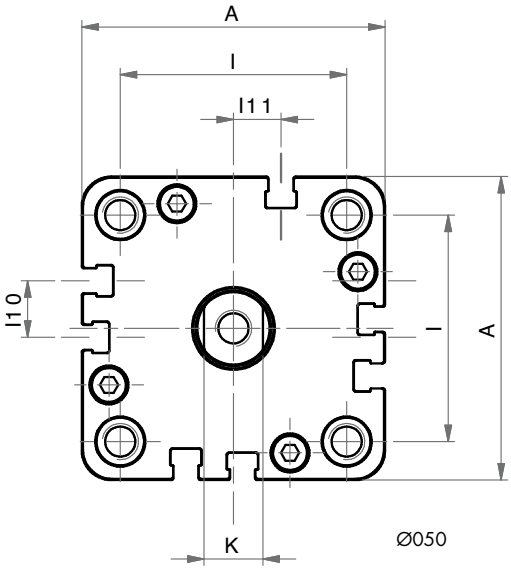




Ø012 - Ø016 - Ø020 - Ø025



Ø032 - Ø040



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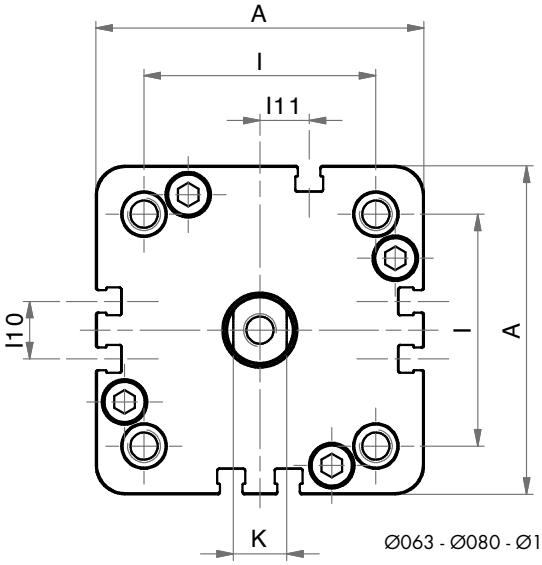
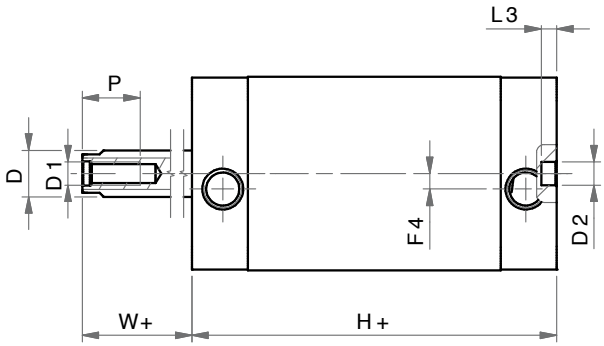
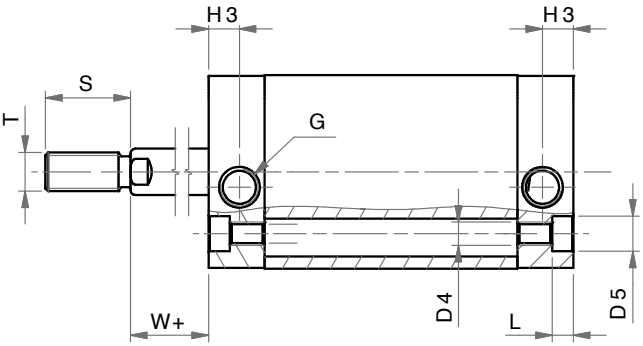


Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	012	016	020	025	032	040	050	063	080	100
A	29	29	36	40	50	58	67	80	100	124
ø D	6	8	10	10	12	12	16	16	20	25
D1	M3	M4	M5	M5	M6	M6	M8	M8	M10	M12
ø D2	6	6	6	6	6	6	6	8	8	8
D4	M4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	6	6	7,5	7,5	9	9	10,5	13,5	13,5	13,5
F4	-	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38*	38*	38*	39,5*	44,5*	45,5*	45,5*	50*	56*	66,5*
H3	8	8	8	8	8	8	8	8	8,5	10,5
I	18	18	22	26	32	42	50	62	82	103
I10	-	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	-	5	3	10,5	12	12	17,5
K	5	6	8	8	10	10	13	13	17	22
L	3,5	3,5	4,5	4,5	5,5	5,5	6,5	8,5	8,5	8,5
L3	4	4	4	4	4	4	4	4	4	4
P	8	11	12	12	15	15	17	17	17	22
S	16	20	22	22	22	22	24	24	32	40
T	M6	M8	M10x1,25	M10x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1.5	M20x1.5
W+	4,5	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10

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

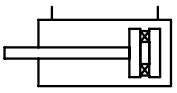
* per corse - *for strokes* 035-040-050-060:
ASEM 012 - 016 - 020 - 025 - 032 - 040 - 050 - 063 aggiungere - *add* +10 mm
ASEM 080 - 100 aggiungere - *add* +20 mm

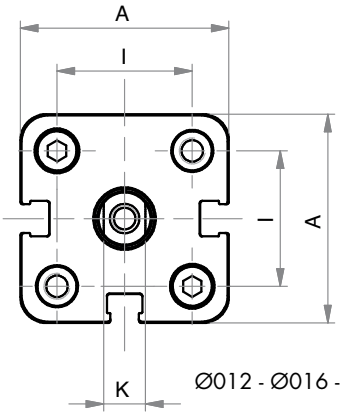
CORSE STANDARD - *STANDARD STROKES*

Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
035	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x

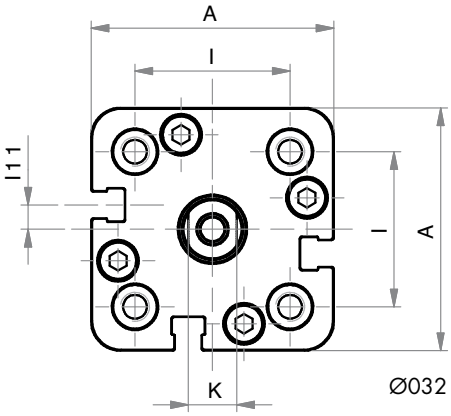
DOPPIO EFFETTO MAGNETICO

MAGNETIC DOUBLE ACTING

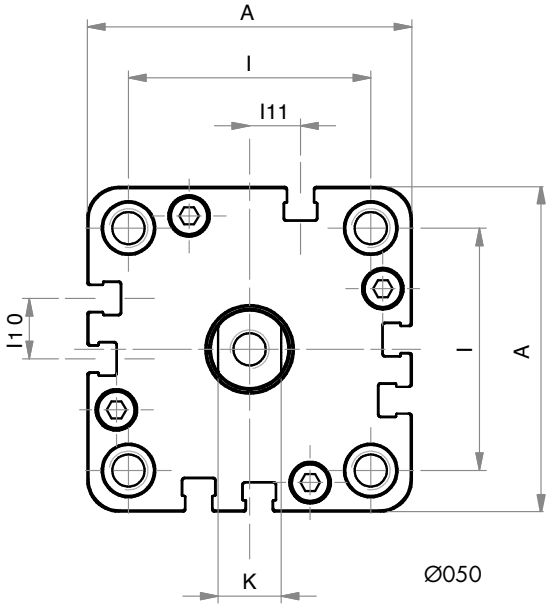




Ø012 - Ø016 - Ø020 - Ø025



Ø032 - Ø040



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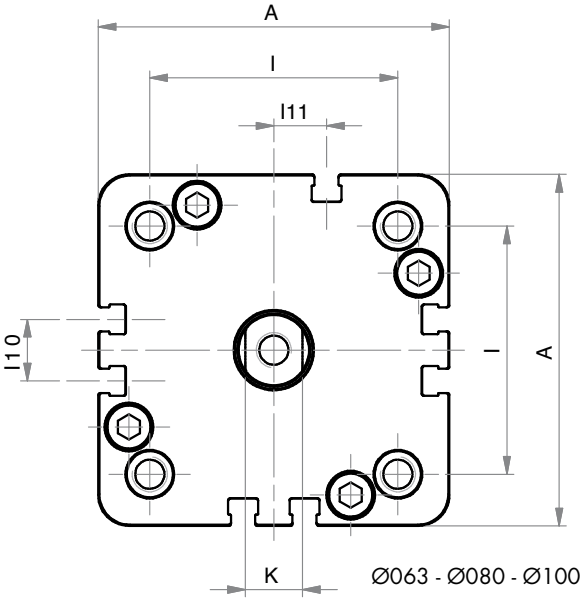
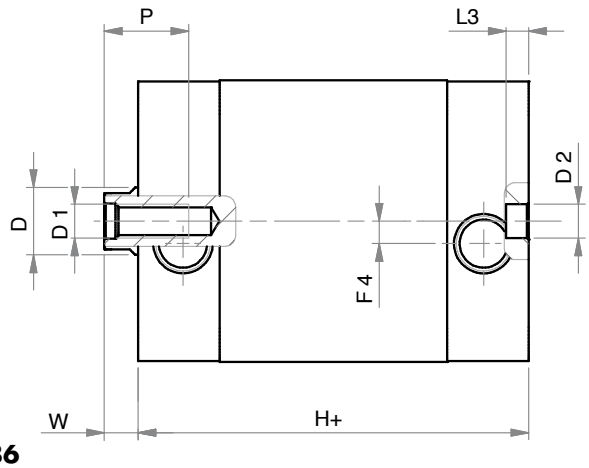
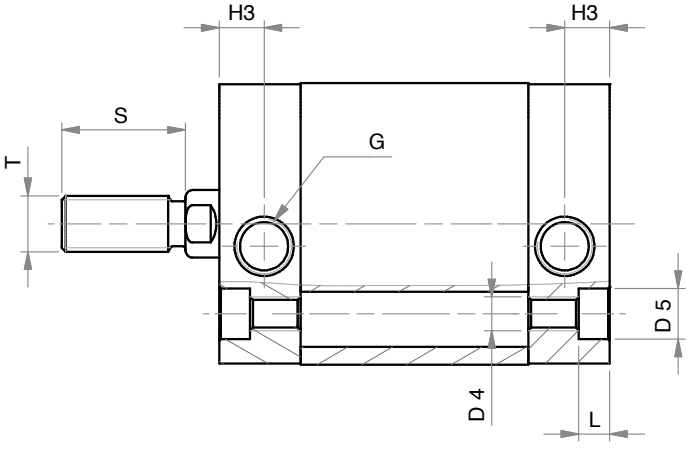


Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	012	016	020	025	032	040	050	063	080	100
A	29	29	36	40	50	58	67	80	100	124
ø D	6	8	10	10	12	12	16	16	20	25
D1	M3	M4	M5	M5	M6	M6	M8	M8	M10	M12
ø D2	6	6	6	6	6	6	6	8	8	8
D4	M4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	6	6	7,5	7,5	9	9	10,5	13,5	13,5	13,5
F4	-	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38	38	38	39,5	44,5	45,5	45,5	50	56	66,5
H3	8	8	8	8	8	8	8	8	8,5	10,5
I	18	18	22	26	32	42	50	62	82	103
I10	-	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	-	5	3	10,5	12	12	17,5
K	5	6	8	8	10	10	13	13	17	22
L	3,5	3,5	4,5	4,5	5,5	5,5	6,5	8,5	8,5	8,5
L3	4	4	4	4	4	4	4	4	4	4
P	8	11	12	12	15	15	17	17	17	22
S	16	20	22	22	22	22	24	24	32	40
T	M6	M8	M10x1,25	M10x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1.5	M20x1.5
W	4,5	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10

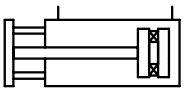
+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

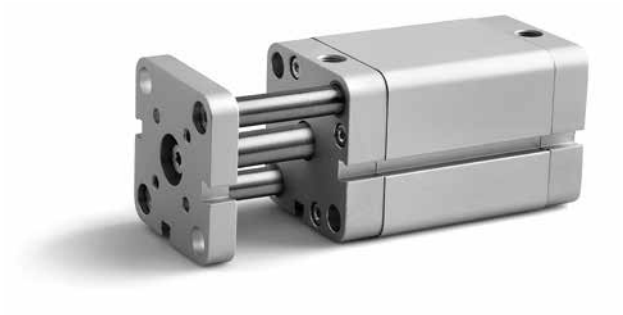
CORSE STANDARD - *STANDARD STROKES*

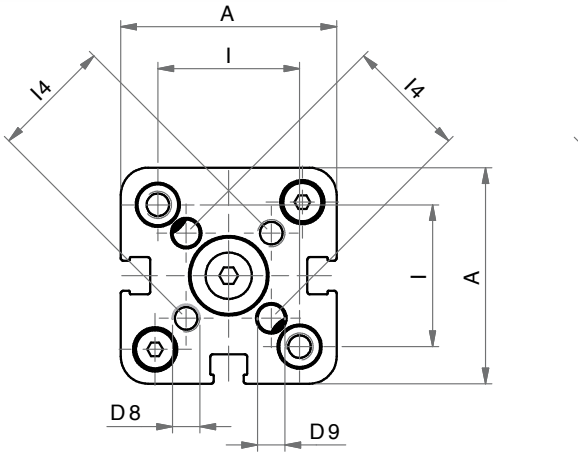
Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x	x	x	x
090	x	x	x	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x	x	x	x
300					x	x	x	x	x	x
350					x	x	x	x	x	x
400					x	x	x	x	x	x

DOPPIO EFFETTO MAGNETICO ANTIROTAZIONE

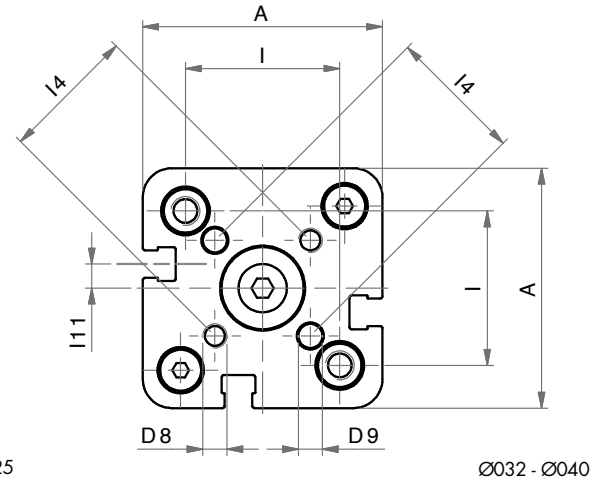
ANTI-ROTATION MAGNETIC DOUBLE ACTING



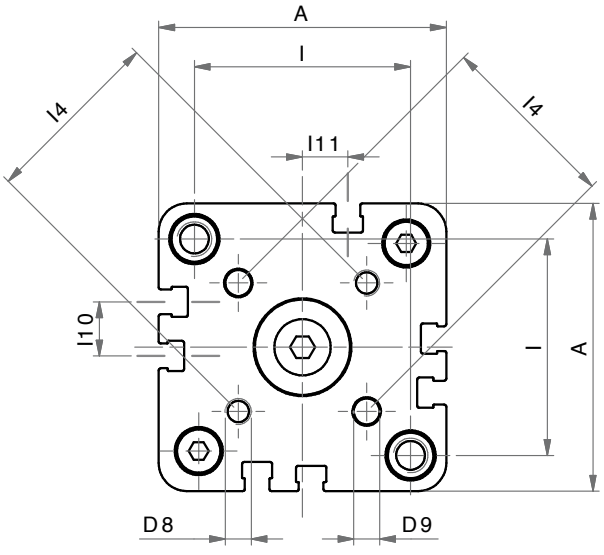




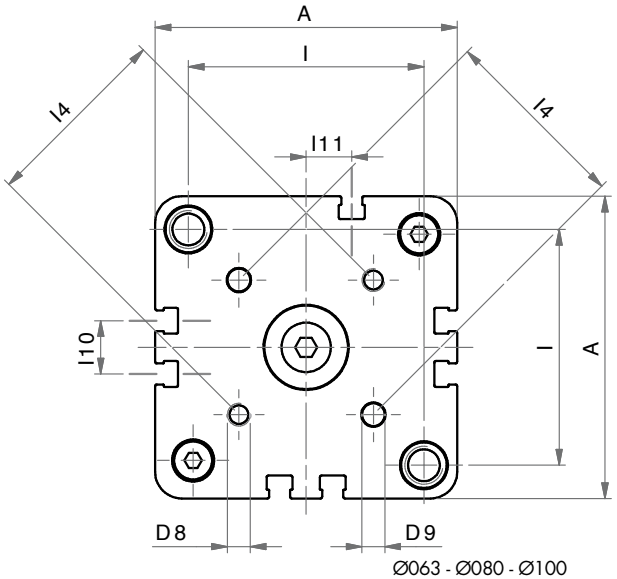
Ø016 - Ø020 - Ø025



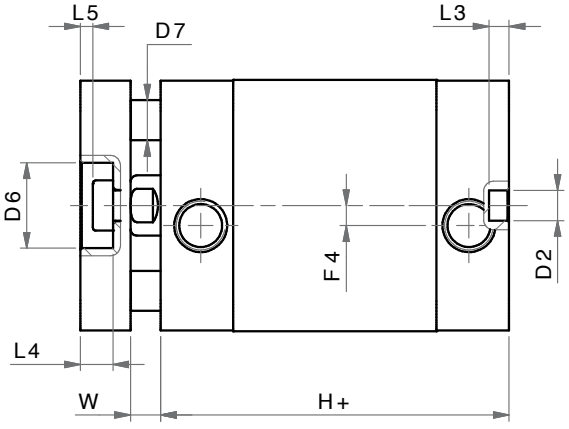
Ø032 - Ø040

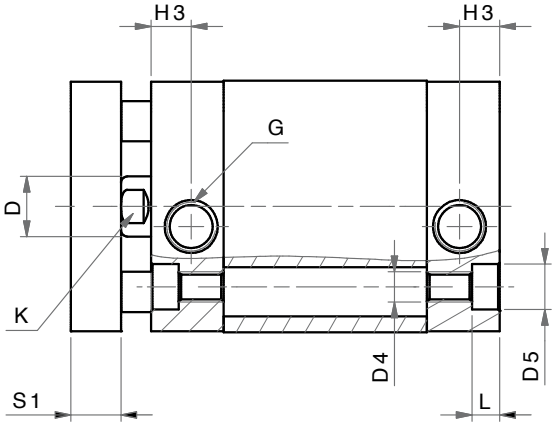


Ø050



Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	016	020	025	032	040	050	063	080	100
A	29	36	40	50	58	67	80	100	124
ø D	8	10	10	12	12	16	16	20	25
ø D2	6	6	6	6	6	6	8	8	8
D4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	6	7,5	7,5	9	9	10,5	13,5	13,5	13,5
ø D6	9	11	14	17	17	22	22	28	30
ø D7	5	5	6	8	10	10	10	14	14
D8	M3	M4	M5	M5	M5	M6	M6	M8	M10
ø D9	3	4	5	5	5	6	6	8	10
F4	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38	38	39,5	44,5	45,5	45,5	50	56	66,5
H3	8	8	8	8	8	8	8	8,5	10,5
I	18	22	26	32	42	50	62	82	103
I4	14	17	22	28	33	42	50	65	80
I10	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	5	3	10,5	12	12	17,5
K	6	8	8	10	10	13	13	17	22
L	3,5	4,5	4,5	5,5	5,5	6,5	8,5	8,5	8,5
L3	4	4	4	4	4	4	4	4	4
L4	3,8	5	5	6,5	6,5	7,5	7,5	9	10
L5	1	1,5	1,5	2,5	2,5	2,5	2,5	3	3
S1	6	8	8	10	10	12	12	14	14
W	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10

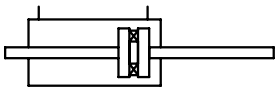
+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

CORSE STANDARD - *STANDARD STROKES*

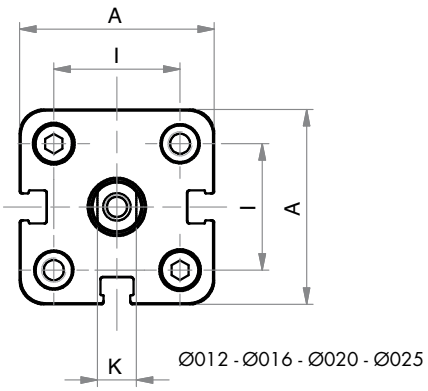
Ø	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x	x	x
090	x	x	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x	x	x
250				x	x	x	x	x	x
300				x	x	x	x	x	x
350				x	x	x	x	x	x
400				x	x	x	x	x	x

DOPPIO EFFETTO MAGNETICO STELO PASSANTE

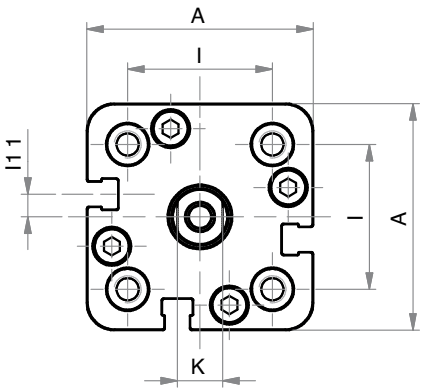
DOUBLE ROD MAGNETIC DOUBLE ACTING



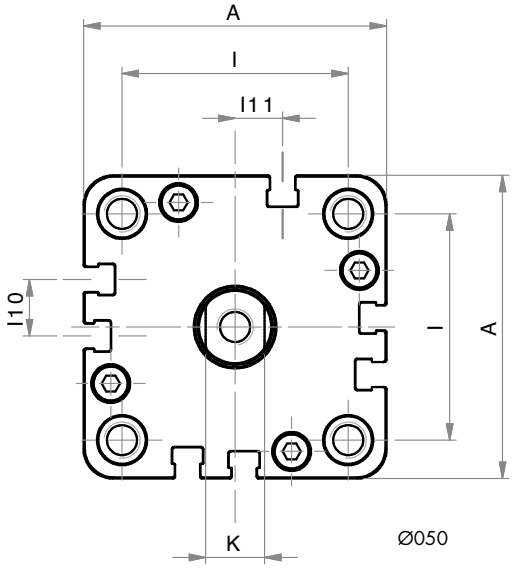
SERIE A



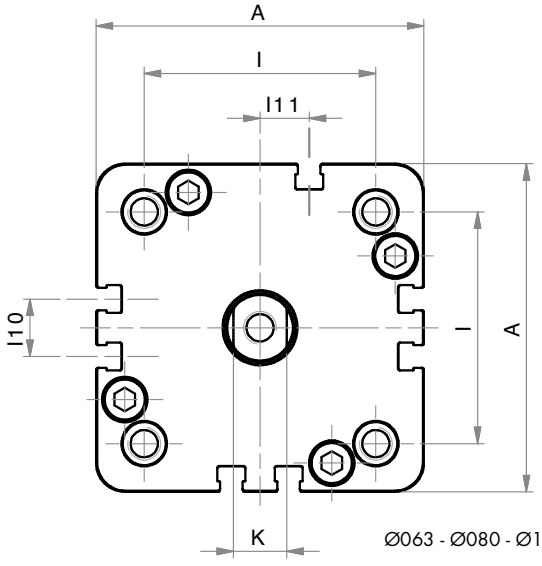
Ø012 - Ø016 - Ø020 - Ø025



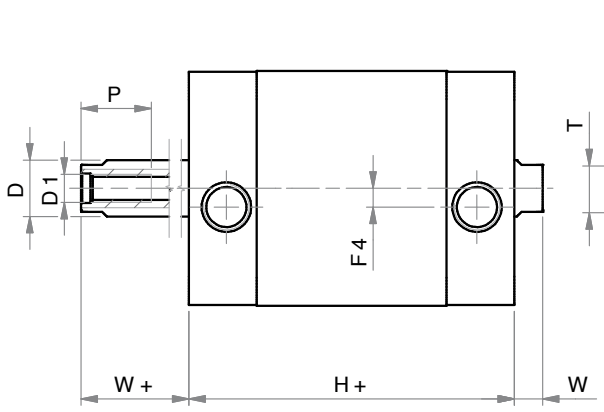
Ø032 - Ø040

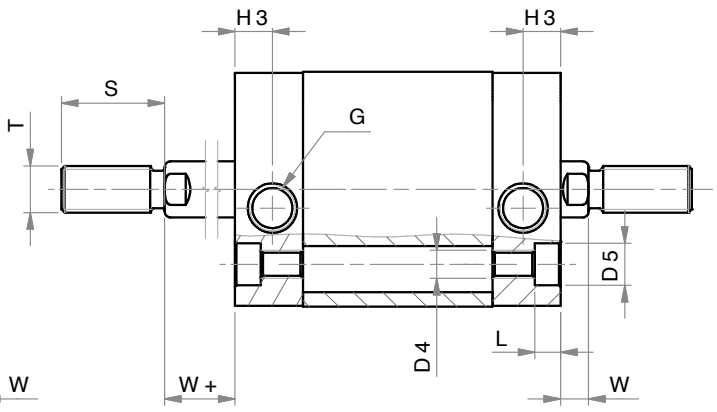


Ø050



Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	012	016	020	025	032	040	050	063	080	100
A	29	29	36	40	50	58	67	80	100	124
ø D	6	8	10	10	12	12	16	16	20	25
D1	M3	M4	M5	M5	M6	M6	M8	M8	M10	M12
D4	M4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	6	6	7,5	7,5	9	9	10,5	13,5	13,5	13,5
F4	-	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38	38	38	39,5	44,5	45,5	45,5	50	56	66,5
H3	8	8	8	8	8	8	8	8	8,5	10,5
I	18	18	22	26	32	42	50	62	82	103
I10	-	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	-	5	3	10,5	12	12	17,5
K	5	6	8	8	10	10	13	13	17	22
L	3,5	3,5	4,5	4,5	5,5	5,5	6,5	8,5	8,5	8,5
P	8	11	12	12	15	15	17	17	17	22
S	16	20	22	22	22	22	24	24	32	40
T	M6	M8	M10x1,25	M10x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1.5	M20x1.5
W	4,5	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10
W+	4,5	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10

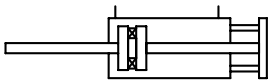
+ = aggiungere lunghezza corsa (mm) - *add stroke length (mm)*

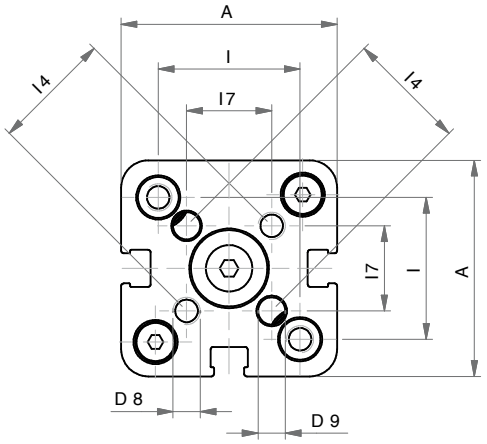
CORSE STANDARD - *STANDARD STROKES*

Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x	x	x	x
090	x	x	x	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x	x	x	x
300					x	x	x	x	x	x
350					x	x	x	x	x	x
400					x	x	x	x	x	x

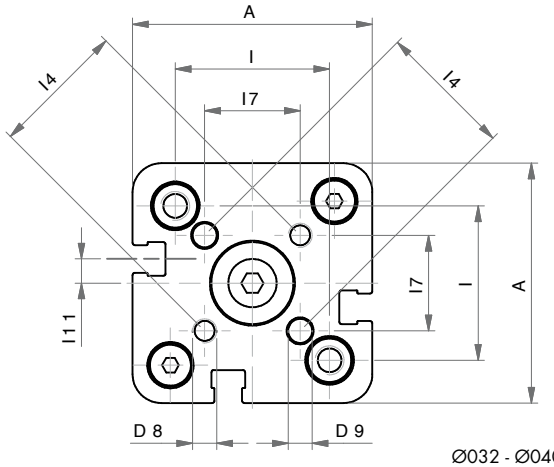
DOPPIO EFFETTO MAGNETICO STELO PASSANTE ANTIROTAZIONE

ANTI-ROTATION DOUBLE ROD MAGNETIC DOUBLE ACTING

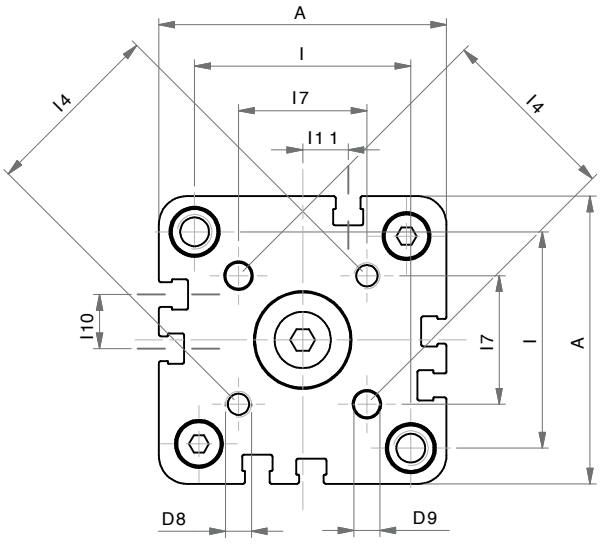




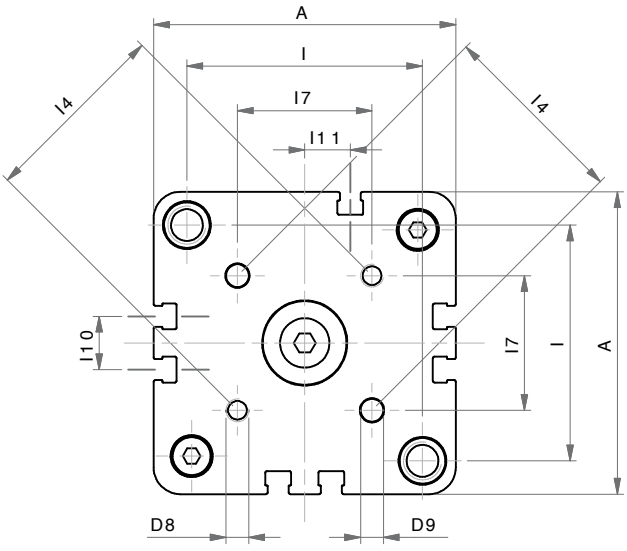
Ø016 - Ø020 - Ø025



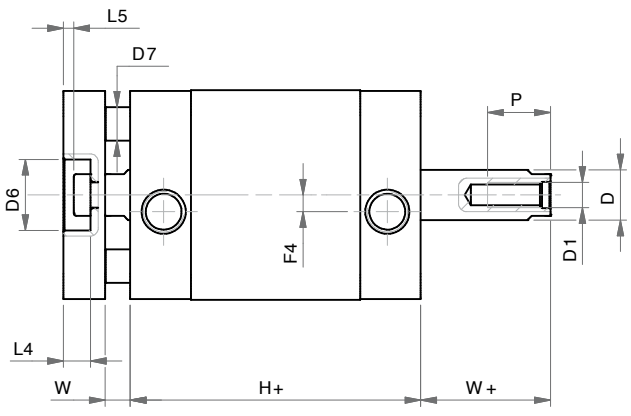
Ø032 - Ø040

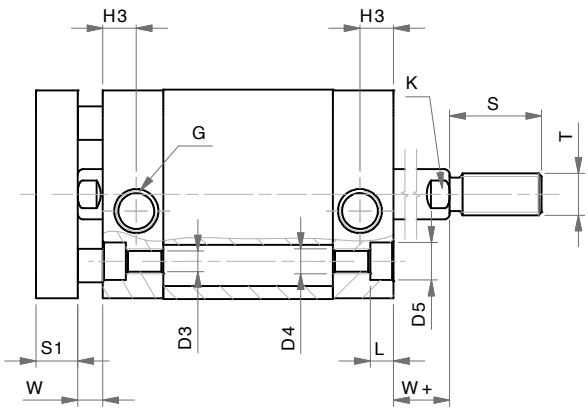


Ø050



Ø063 - Ø080 - Ø100





DIMENSIONI - *DIMENSIONS*

Ø	016	020	025	032	040	050	063	080	100
A	29	36	40	50	58	67	80	100	124
ø D	8	10	10	12	12	16	16	20	25
D1	M4	M5	M5	M6	M6	M8	M8	M10	M12
D4	M4	M5	M5	M6	M6	M8	M10	M10	M10
ø D5	-	-	-	9	9	10,5	13,5	13,5	13,5
ø D6	9	11	14	17	17	22	22	28	30
ø D7	5	5	6	8	10	10	10	14	14
D8	M3	M4	M5	M5	M5	M6	M6	M8	M10
ø D9	3	4	5	5	5	6	6	8	10
F4	-	-	-	4	3	-	-	-	-
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4
H+	38	38	39,5	44,5	45,5	45,5	50	56	66,5
H3	8	8	8	8	8	8	8	8,5	10,5
I	18	22	26	32	42	50	62	82	103
I4	14	17	22	28	33	42	50	65	80
I10	-	-	-	-	-	12,5	14	18	35
I11	-	-	-	5	3	10,5	12	12	17,5
K	6	8	8	10	10	13	13	17	22
L	-	-	-	5,5	5,5	6,5	8,5	8,5	8,5
S	20	22	22	22	22	24	24	32	40
T	M8	M10x1,25	M10x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M20x1,5
P	11	12	12	15	15	17	17	17	22
W	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10
W+	4,5	4,5	5,5	6	6,5	7,5	7,5	8	10
S1	6	8	8	10	10	12	12	14	14

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

CORSE STANDARD - *STANDARD STROKES*

Ø	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x	x	x
090	x	x	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x	x	x
250				x	x	x	x	x	x
300				x	x	x	x	x	x
350				x	x	x	x	x	x
400				x	x	x	x	x	x