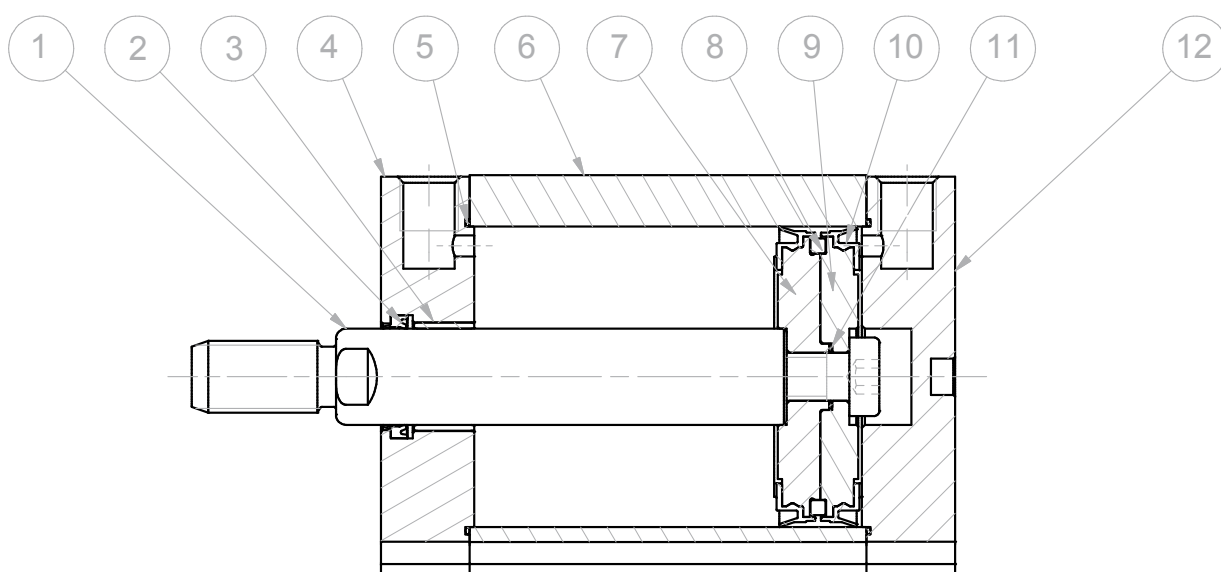


CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

Pressione di esercizio <i>Working pressure</i>	1 ÷ 10 bar (doppio effetto - <i>double acting</i>) 2 ÷ 10 bar (semplice effetto - <i>single acting</i>)
Temperatura di esercizio <i>Working temperature</i>	0 ÷ +80°C (-20°C con aria secca - <i>with dry air</i>) 0 ÷ +150°C (con guarnizioni per alte temperature - <i>with high temperature seals</i>)
Versioni - Versions	semplice effetto - doppio effetto - antirotazione - stelo passante <i>single acting - double acting - anti-rotation - double rod</i>
Alesaggi - Bores	Ø 12 - 16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100
Corse - Strokes	vedere tabelle corse standard - <i>see standard stroke tables</i>
Fluido - Fluid	aria compressa, filtrata, non lubrificata - <i>compressed air, filtered, no lubrication</i>

CARATTERISTICHE COSTRUTTIVE - CONSTRUCTIVE CHARACTERISTICS

①	Stelo - Piston rod	acciaio inox AISI 303 - <i>stainless steel AISI 303</i>
② ⑤ ⑩ ⑪	Guarnizioni - Seals	poliuretano, nbr - <i>polyurethane, nbr</i>
③	Boccola - Bush	acciaio+PTFE - <i>steel+PTFE</i>
④ ⑫	Testate - Covers	alluminio anodizzato - <i>anodized aluminium</i>
⑥	Tubo - Tube	alluminio anodizzato - <i>anodized aluminium</i>
⑦ ⑨	Pistone - Piston	alluminio - <i>aluminium</i>
⑧	Magnete - Magnet	Ø 12 ÷ 50 neodimio - <i>neodymium alloy</i> Ø 63 ÷ 100 plastoferrite - <i>rubber magnet</i>
	Viti - Screws	acciaio - <i>steel</i>
	Molla - Spring	acciaio - <i>steel</i>
	Ammortizzo - Cushioning	elastico - <i>elastic</i>



CHIAVE DI CODIFICA

KEY CODE

A		D		M				0		5		0		.		0		3		0		.		G		S		.		F	
						ALESAGGIO - BORE (Ø)						CORSA - STROKE (mm)						STELO - ROD													
						012-016-020-025-032						vedere tabelle corse std						F femmina female													
						040-050-063-080-100						see std stroke tables						M maschio male													
						VERSIONE - VERSION												GUARNIZIONI - SEALS													
						A con staffa antirotazione with anti-rotation bracket												GS guarnizioni standard standard seals													
						VERSIONE - VERSION												VR guarnizione stelo per alte temperature high temperature rod seal													
						P stelo passante double rod												VA tutte le guarnizioni per alte temperature all seals for high temperature													
						VERSIONE - VERSION																									
						M magnetico magnetic																									
						non magnetico non-magnetic																									
						VERSIONE - VERSION																									
						S semplice effetto molla anteriore single acting front spring																									
						SE semplice effetto molla posteriore single acting rear spring																									
						DM doppio effetto double acting																									
						SERIE - SERIES																									
						A tubo profilato con cave per sensori tube with slots for sensors																									

DIAGRAMMA CARICO AMMISSIBILE

APPLICABLE LOAD

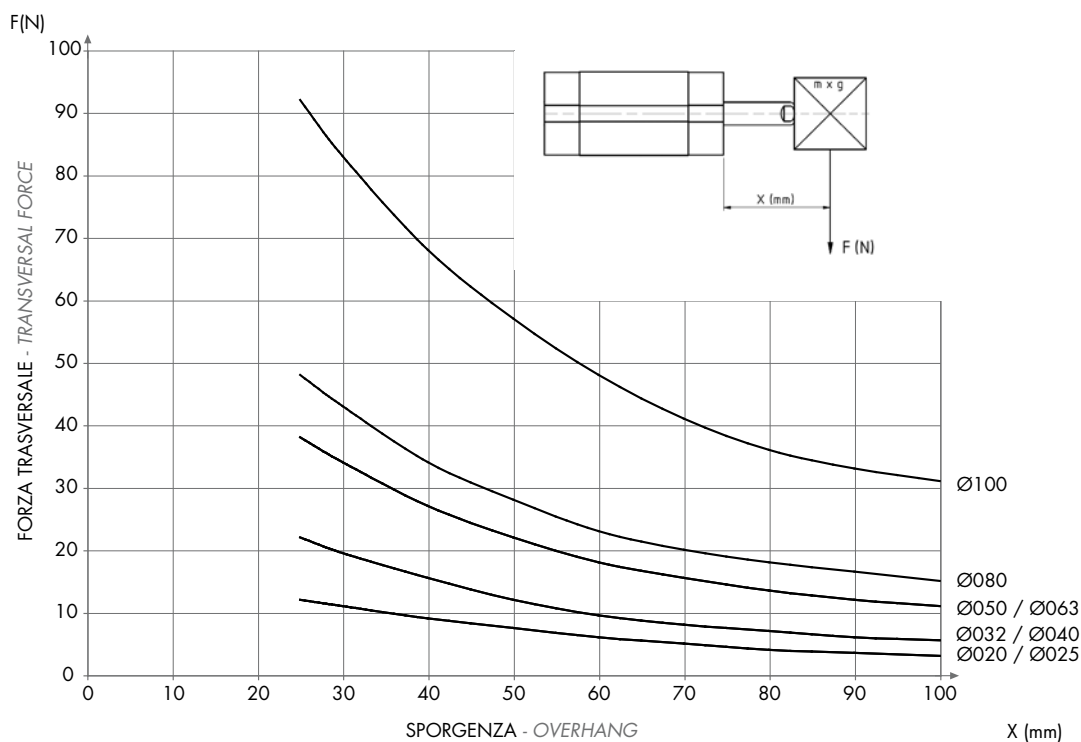


DIAGRAMMA CARICO AMMISSIBILE

APPLICABLE LOAD

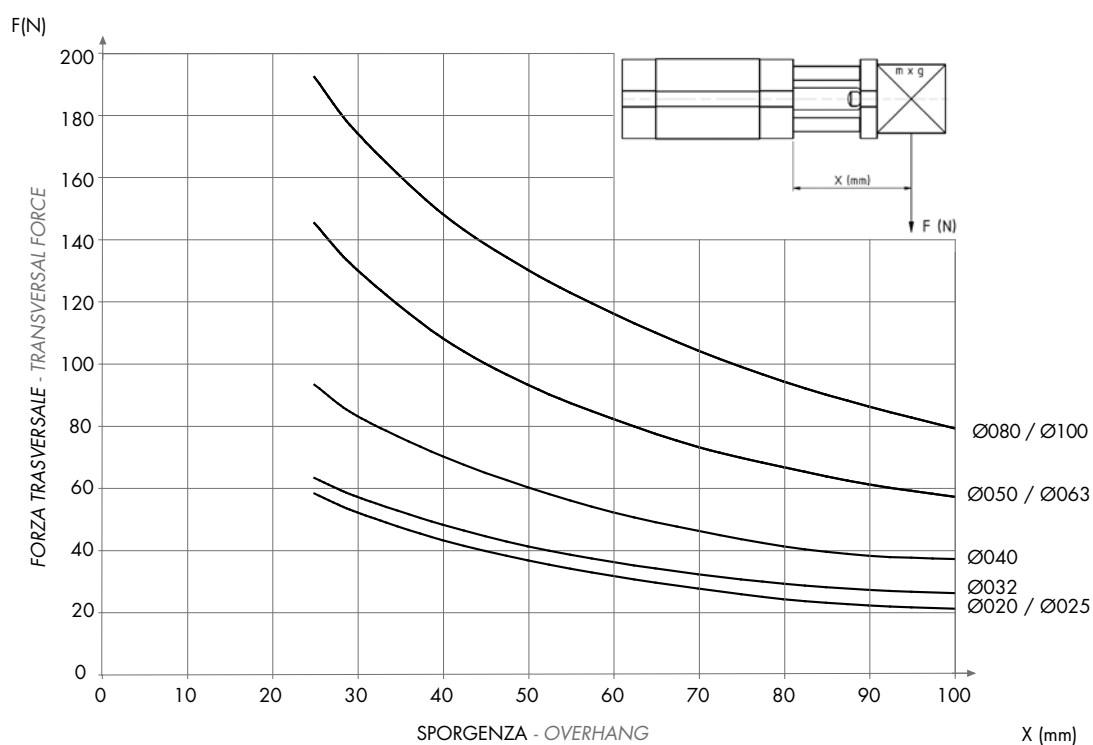


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APPLICABLE LOAD

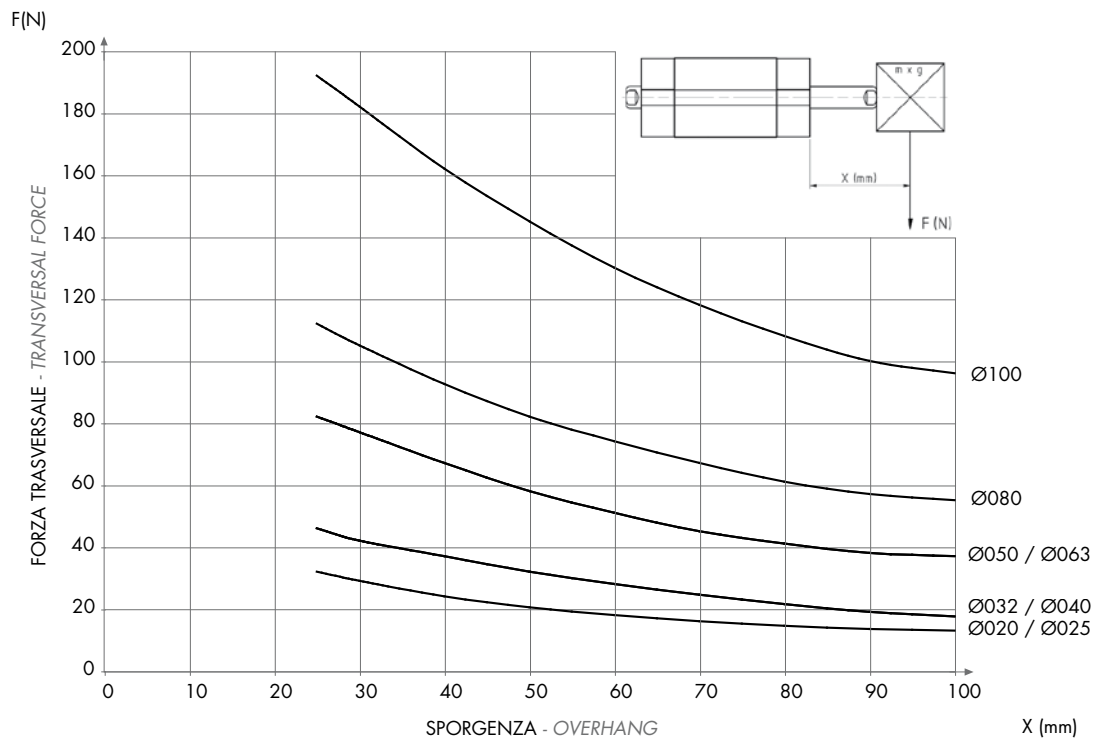
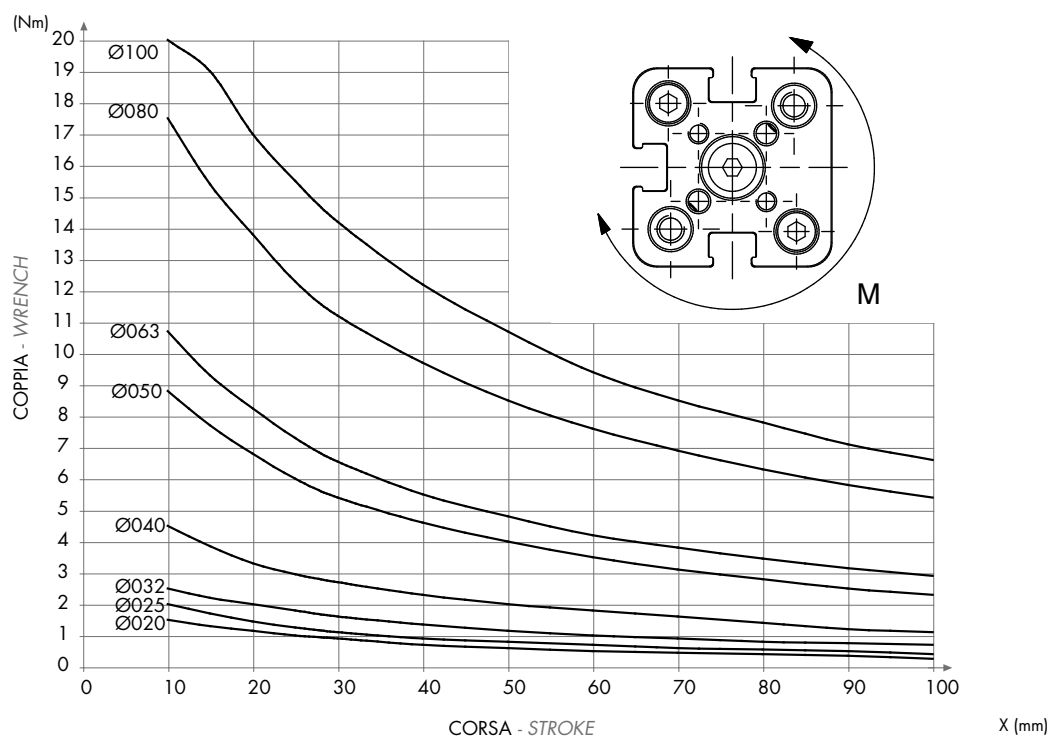


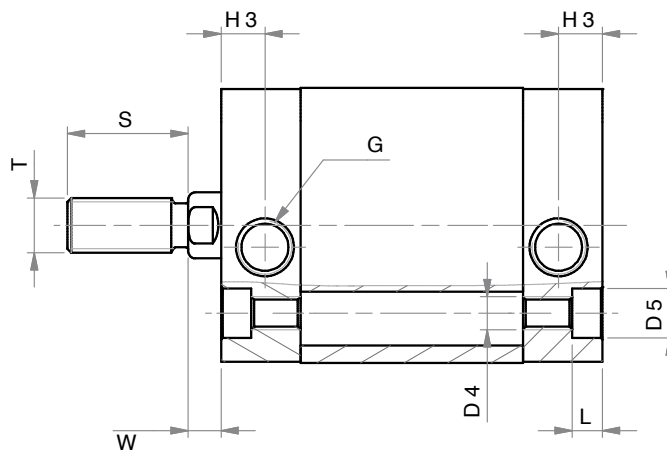
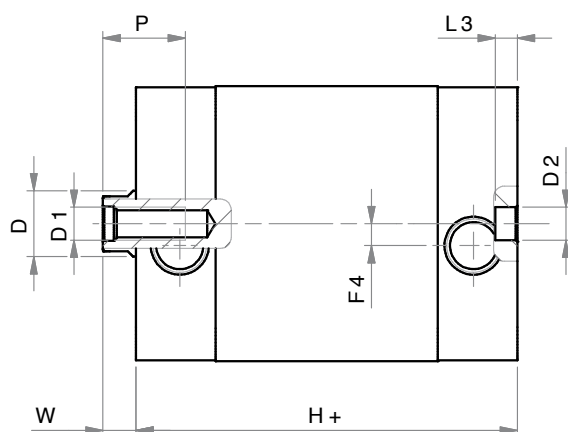
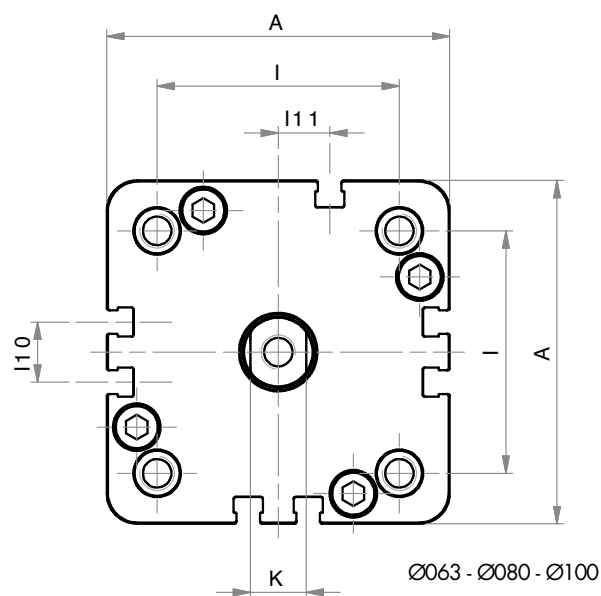
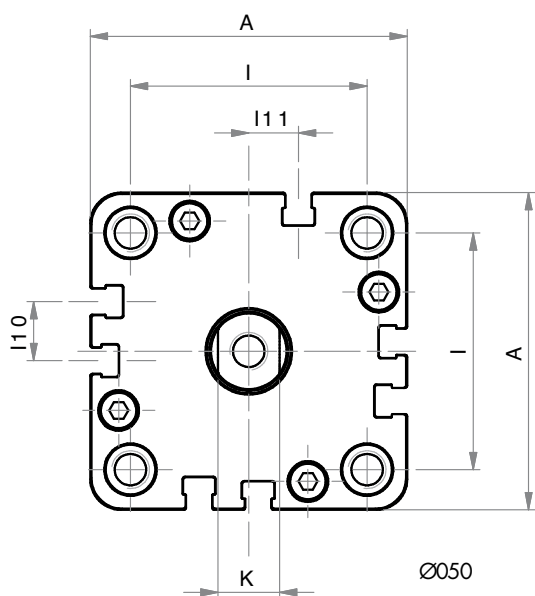
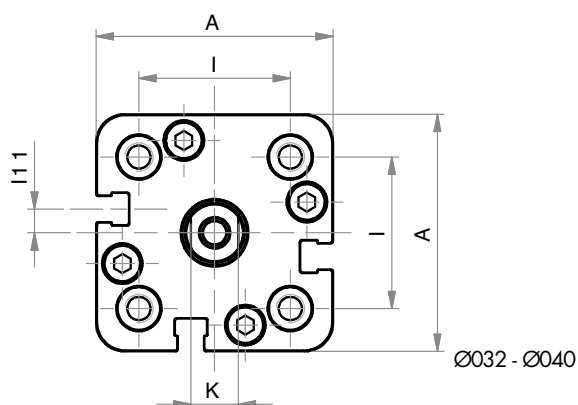
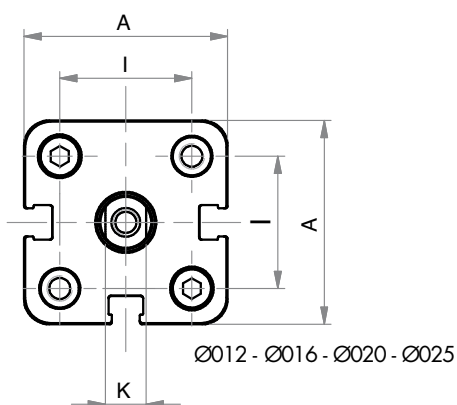
DIAGRAMMA CARICO AMMISSIBILE

APPLICABLE LOAD



SEMPLICE EFFETTO MAGNETICO - MOLLA ANTERIORE

MAGNETIC SINGLE ACTING - FRONT SPRING



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

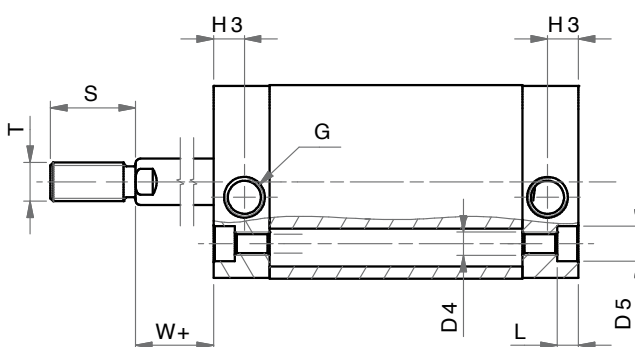
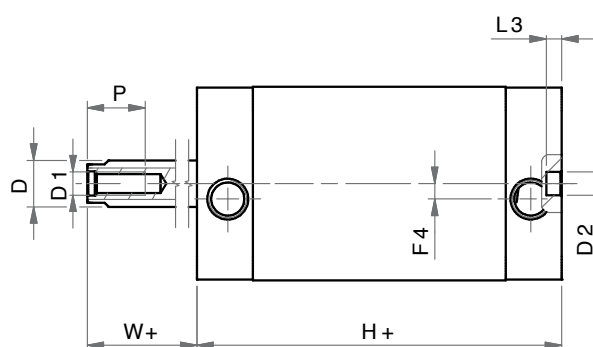
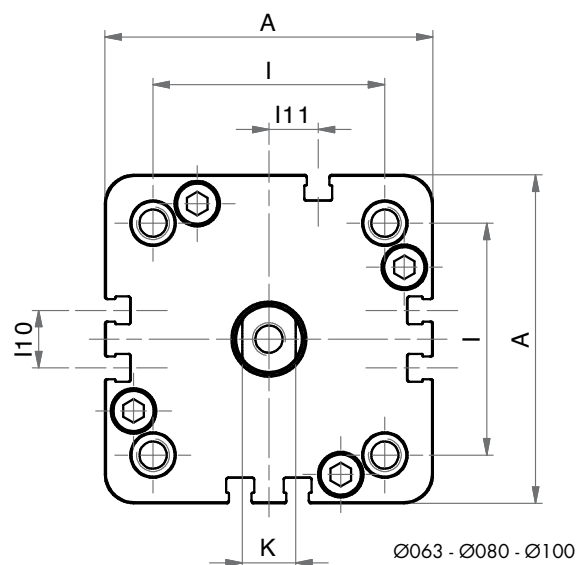
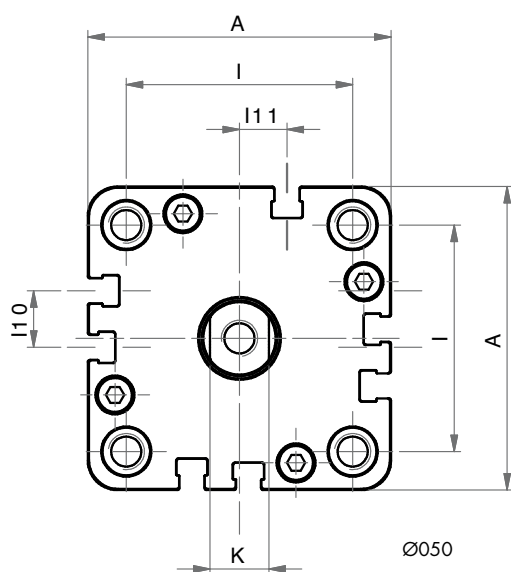
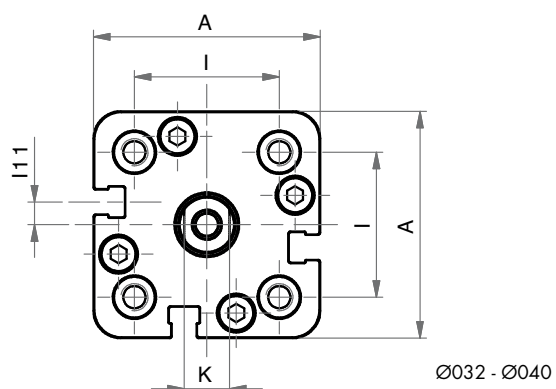
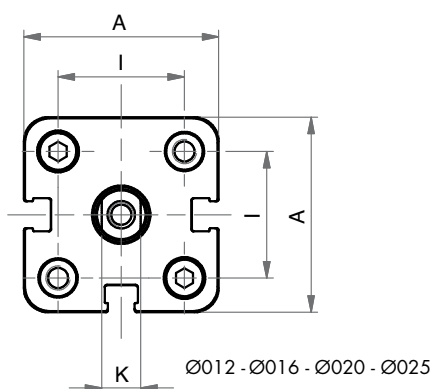
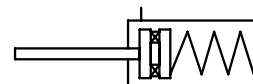
ASM 080 - 100 aggiungere - add +30 mm

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



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

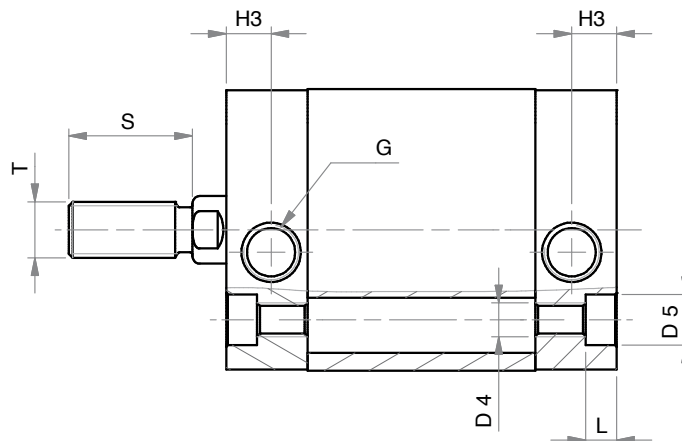
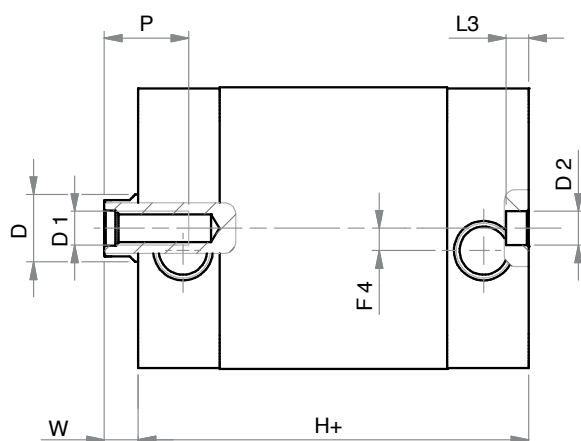
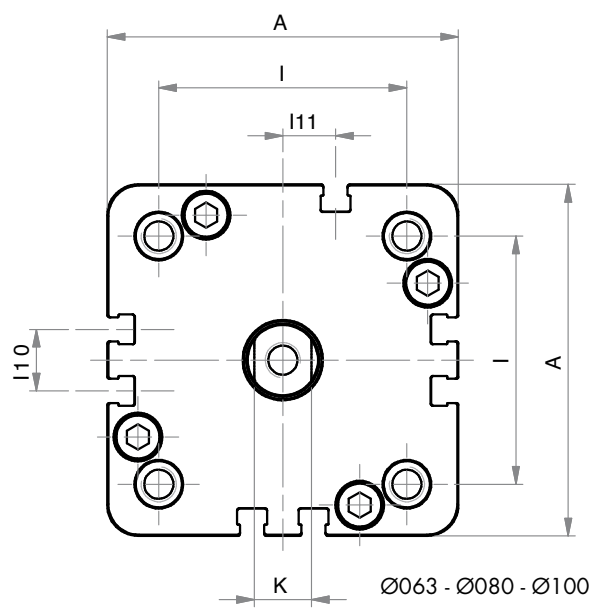
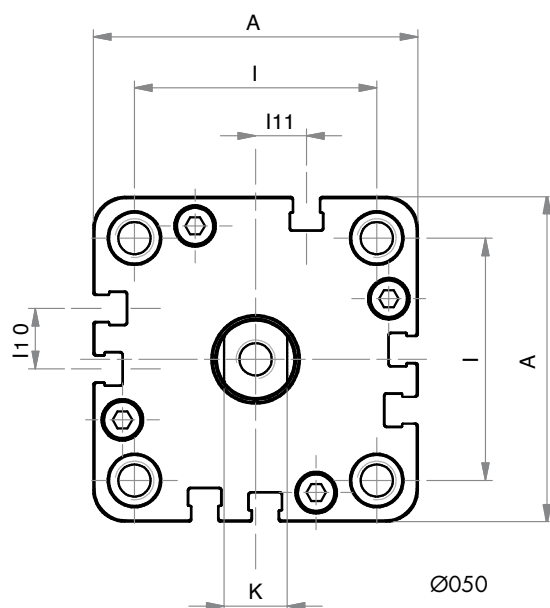
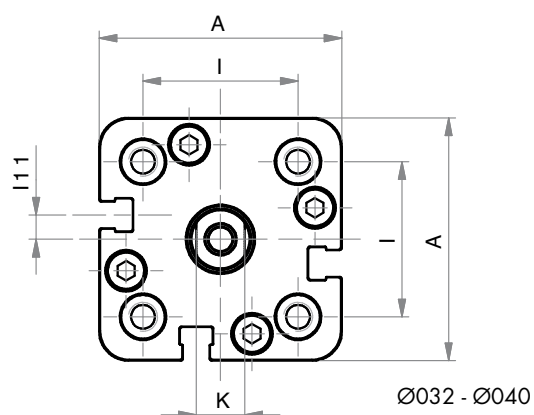
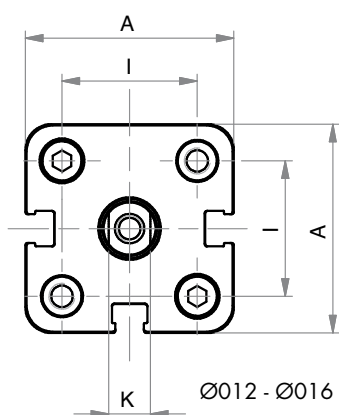
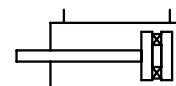
ASEM 080 - 100 aggiungere - add +20 mm

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



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

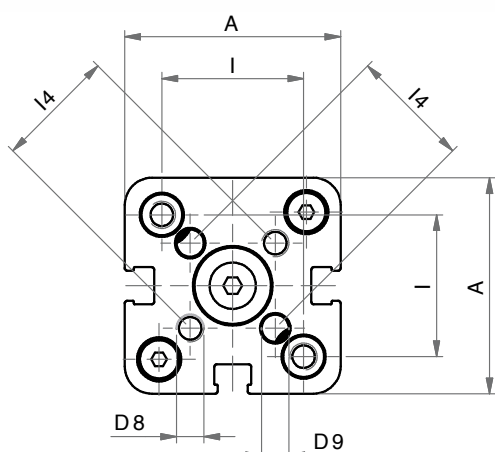
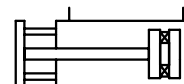
+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

CORSE STANDARD - STANDARD STROKES

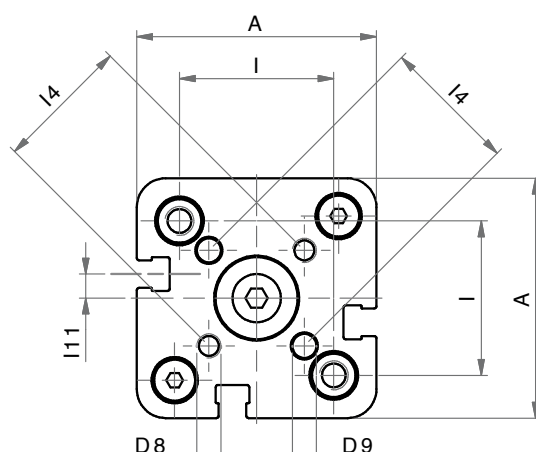
Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x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

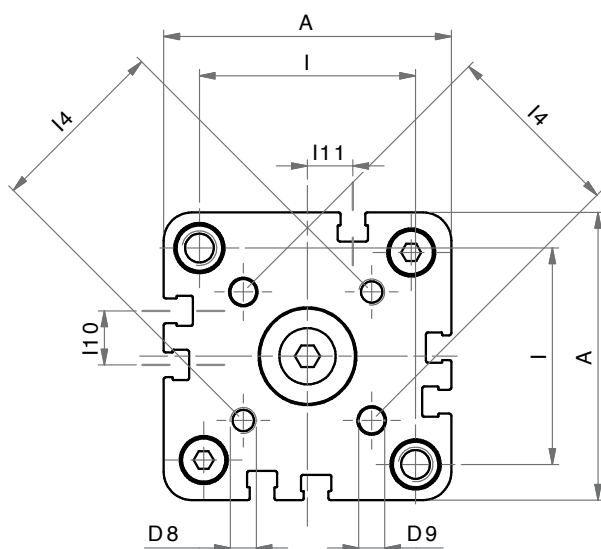
ANTI-ROTATION MAGNETIC DOUBLE ACTING



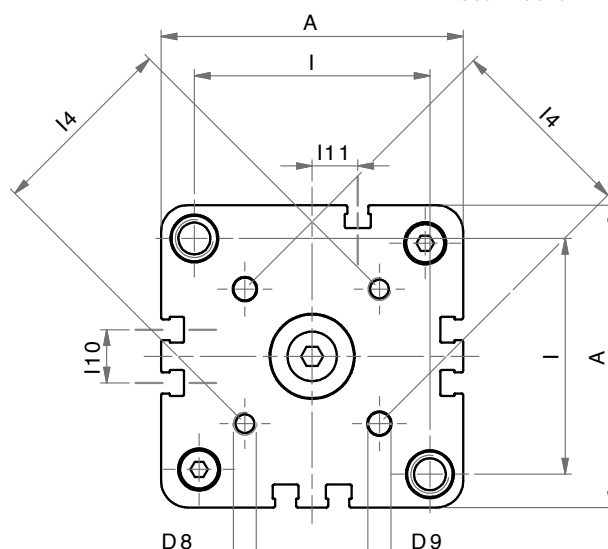
Ø16 - Ø20 - Ø25



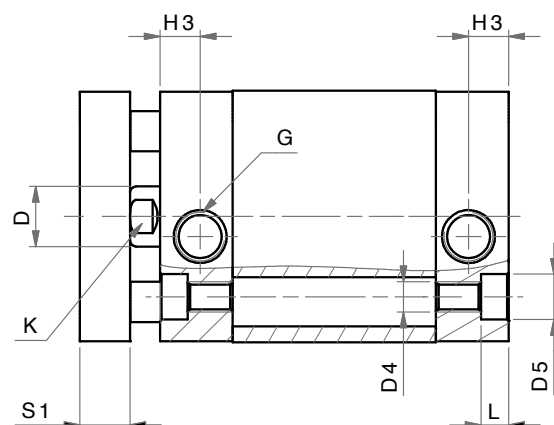
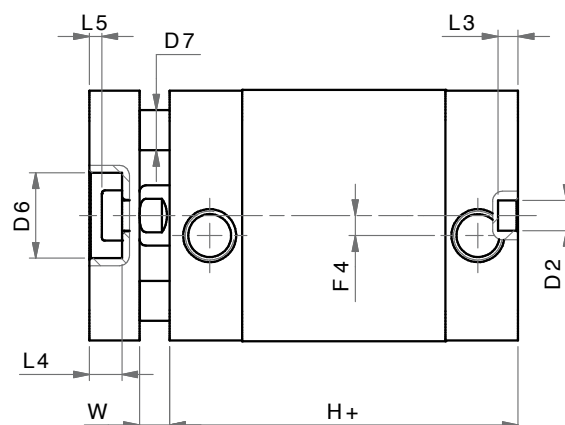
Ø32 - Ø40



Ø50



Ø63 - Ø80 - 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

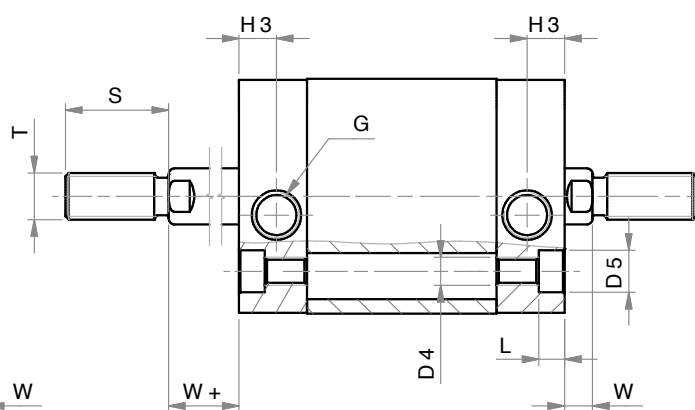
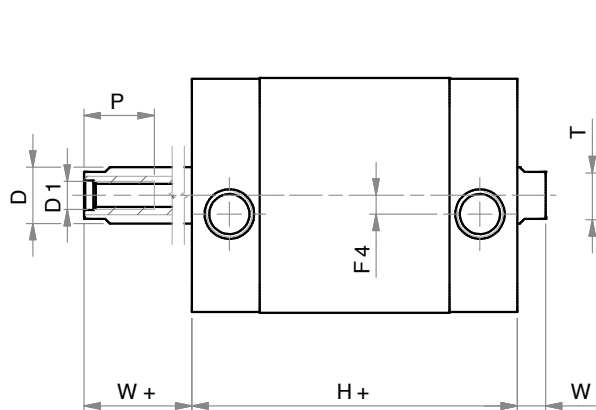
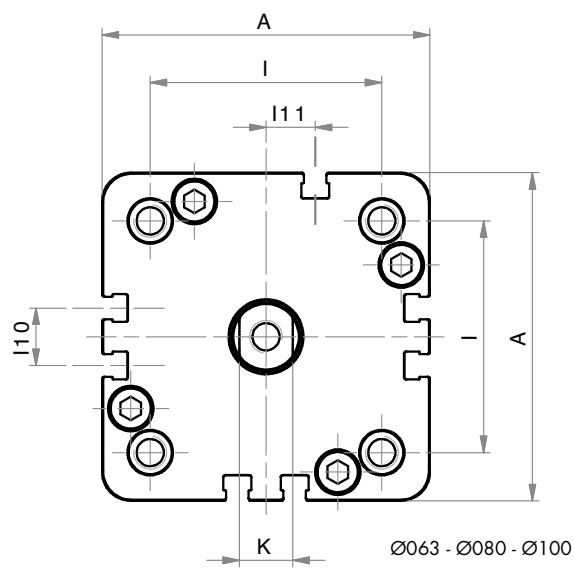
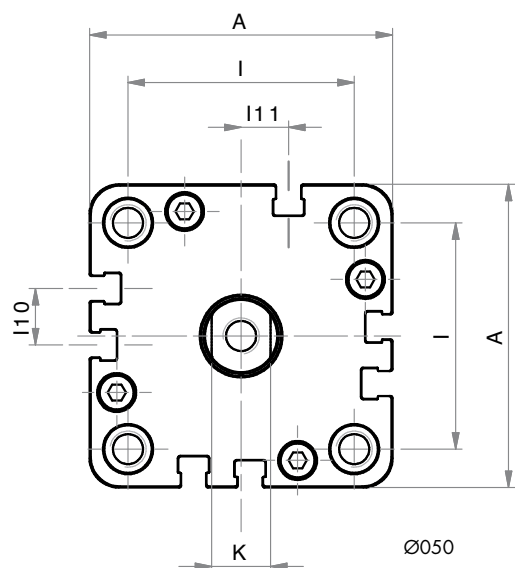
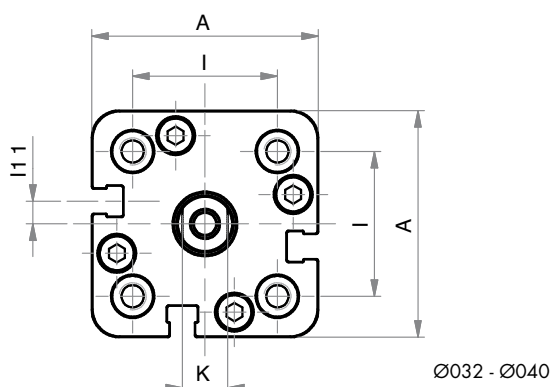
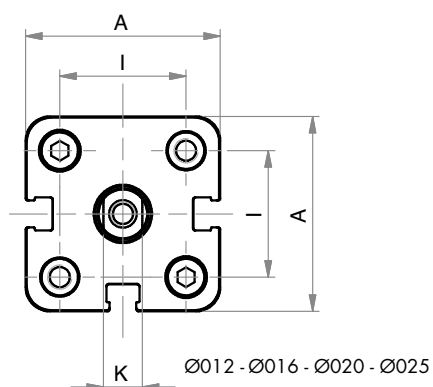
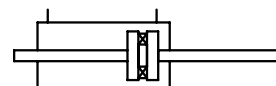
+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

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



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

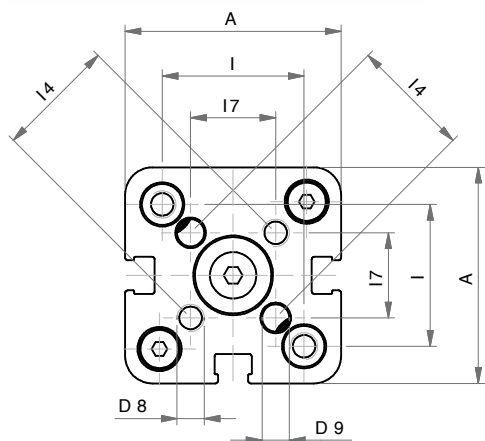
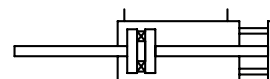
+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

CORSE STANDARD - STANDARD STROKES

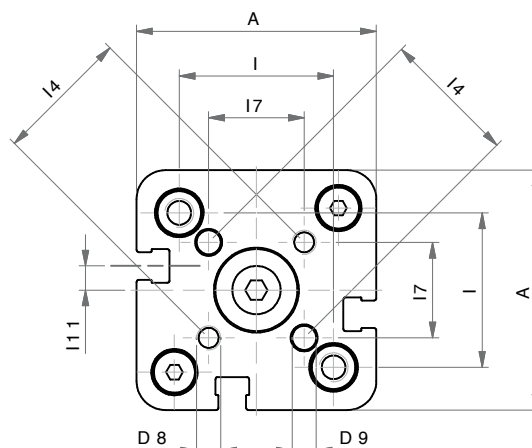
Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x	x	x	x	x
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x	x	x
070	x	x	x	x	x	x	x	x	x	x
075	x	x	x	x	x	x	x	x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

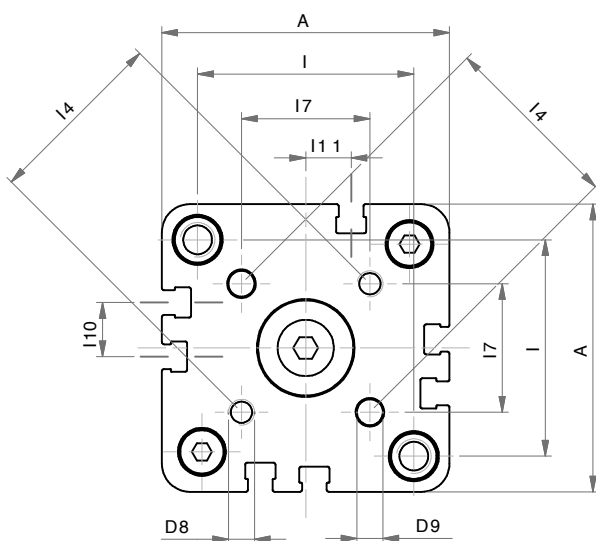
ANTI-ROTATION DOUBLE ROD MAGNETIC DOUBLE ACTING



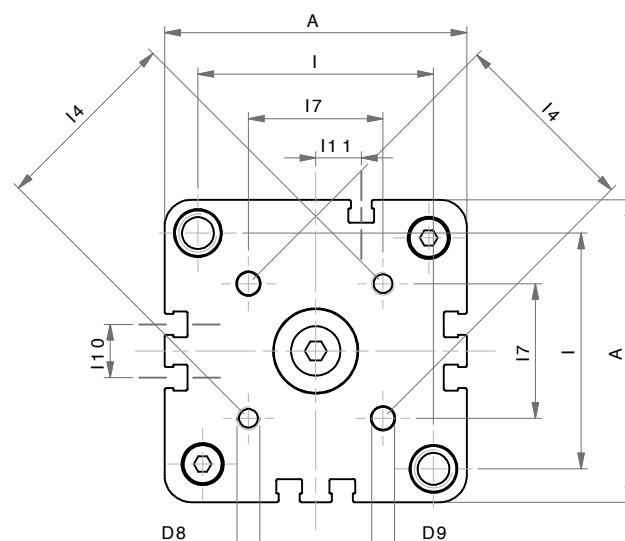
Ø16 - Ø20 - Ø25



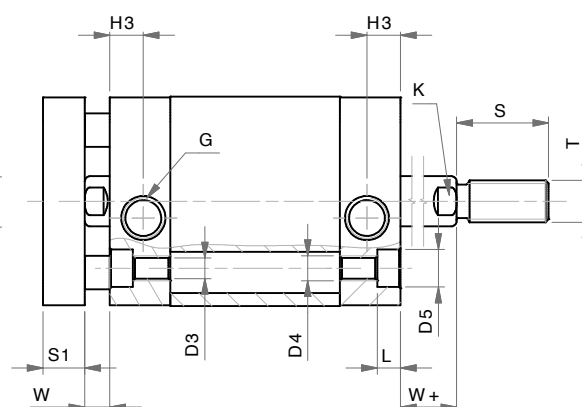
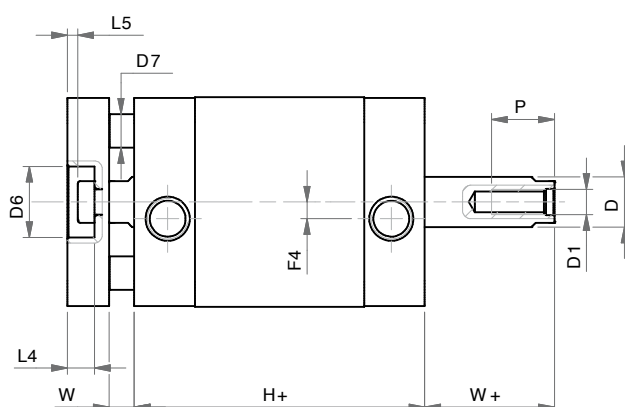
Ø32 - Ø40



Ø50



Ø63 - Ø80 - 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