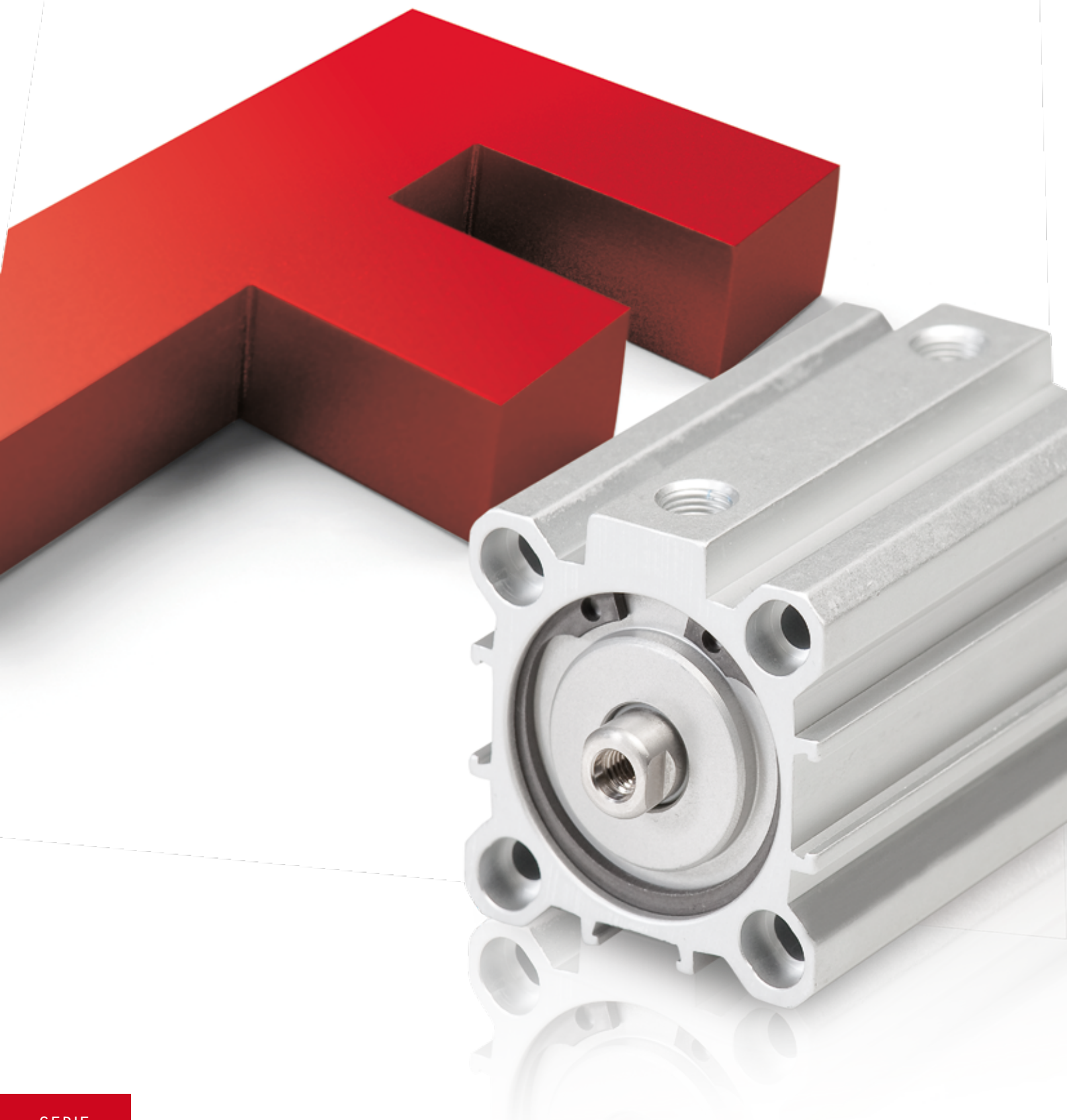




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CILINDRI CORSA BREVE
SHORT STROKE CYLINDERS

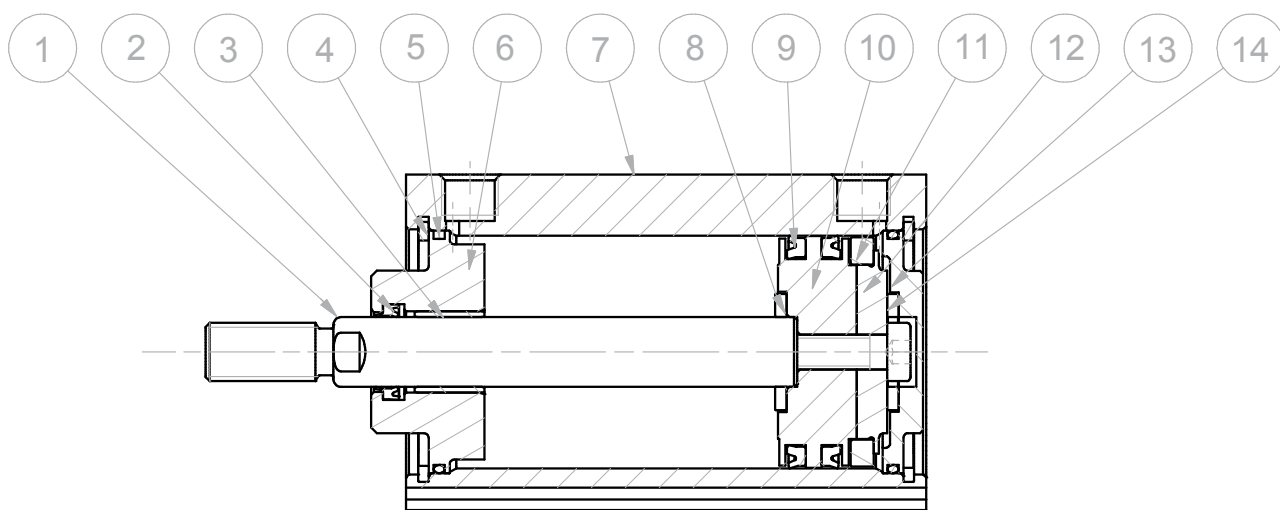

ARTEC[®]
PNEUMATIC COMPONENTS

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 - antirotary</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 ⑨	Guarnizioni - Seals	poliuretano-nbr - <i>polyurethane-nbr</i>
③	Boccola - Bush	acciaio+PTFE - <i>steel+PTFE</i>
④	Seeger - Circlips	acciaio - <i>steel</i>
⑥ ⑬	Testate - Covers	Ø 12÷25 ottone - <i>brass</i> Ø 32÷100 alluminio anodizzato - <i>anodized aluminium</i>
⑦	Tubo - Tube	alluminio anodizzato - <i>anodized aluminium</i>
⑧ ⑭	Ammortizzo - Cushioning	elastico - <i>elastic</i>
⑩ ⑫	Pistone - Piston	delrin - <i>delrin</i> alluminio - <i>aluminium</i>
⑪	Magnete - Magnet	plastroferrite - <i>rubber magnet</i>
	Molla - Spring	acciaio - <i>steel</i>



CHIAVE DI CODIFICA

KEY CODE

F D M 0 5 0 0 3 0 . G S . F . .

		ALESAGGIO BORE (Ø)	CORSA STROKE (mm)			OPZIONE - OPTION
		012 - 016 - 020 - 025 - 032	vedere tabelle corse std see std stroke tables			CP cerniera posteriore montata hinge rear mounted
		040 - 050 - 063 - 080 - 100				OPZIONE - OPTION
						S seeger inox stainless steel circlips
		VERSIONE - VERSION				STELO - ROD
SR	semplice effetto single acting					F femmina female
SM	semplice effetto magnetico magnetic single acting					
SE	semplice effetto molla posteriore single acting rear spring					
SEM	semplice effetto molla posteriore magnetico magnetic single acting rear spring					
DR	doppio effetto double acting					GUARNIZIONI - SEALS
DM	doppio effetto magnetico magnetic double acting					GS guarnizioni standard standard seals
DA	doppio effetto antirotativo antirotary double acting					VR guarnizione stelo per alte temperature high temperature rod seal
DMA	doppio effetto magnetico antirotativo antirotary magnetic double acting					VA tutte le guarnizioni per alte temperature all seals for high temperature
DP	doppio effetto stelo passante double rod double acting					
DMP	doppio effetto magnetico stelo passante double rod magnetic double acting					
DPA	doppio effetto stelo passante antirotazione antirotary double rod double acting					
DMPA	doppio effetto magnetico stelo passante antirotazione antirotary double rod magnetic double acting					
		SERIE - SERIES				
F	tubo profilato con cave per sensori shape barret with slots for sensor					!!!: Per le corse standard dei cilindri, vedere dati tecnici. !!!: For standard strokes, see technical data.

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ESECUZIONI A RICHIESTA - ON REQUEST

Stelo forato - Perforated piston rod

Stelo prolungato (W) - Prolonged piston rod (W)

Filetti speciali (se stelo maschio dado stelo non fornito) - Special thread (if male rod without rod nut)

FORZE TEORICHE DI TRAZIONE (P=6bar)

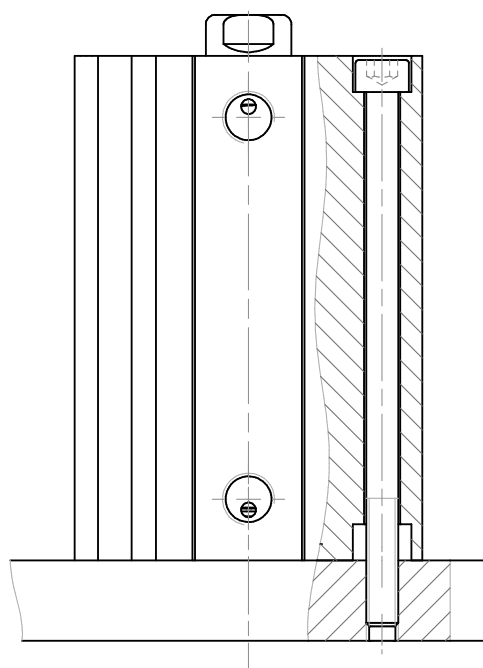
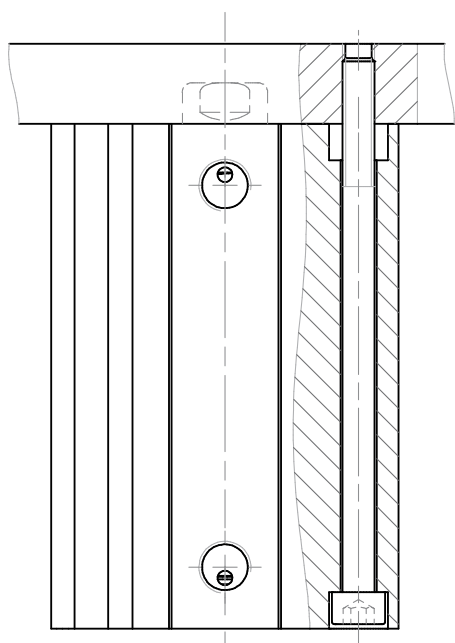
THEORETICAL FORCES OF TRACTION (P=6bar)

		Ø	012	016	020	025	032	040	050	063	080	100
FSR FSM	IN SPINTA IN PUSH	[N]	51	106	170	258	441	729	1.070	1.720	2.880	4.440
	IN TIRO IN PULL	[N]	5	6	6	13	18	20	40	49	76	131
FDR FDM	IN SPINTA IN PUSH	[N]	58	114	176	277	462	763	1.110	1.770	2.990	4.650
	IN TIRO IN PULL	[N]	42	84	129	230	392	663	990	1.650	2.800	4.370
FDA FDMA	IN SPINTA IN PUSH	[N]	-	-	173	272	454	750	1.110	1.750	2.970	4.620
	IN TIRO IN PULL	[N]	-	-	123	225	385	653	980	1.630	2.770	4.330
FDP FDMP	IN SPINTA IN PUSH	[N]	42	84	129	230	392	663	990	1.650	2.800	4.370
	IN TIRO IN PULL	[N]	42	84	129	230	392	663	990	1.650	2.800	4.370

SERIE
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ESEMPIO DI FISSAGGIO

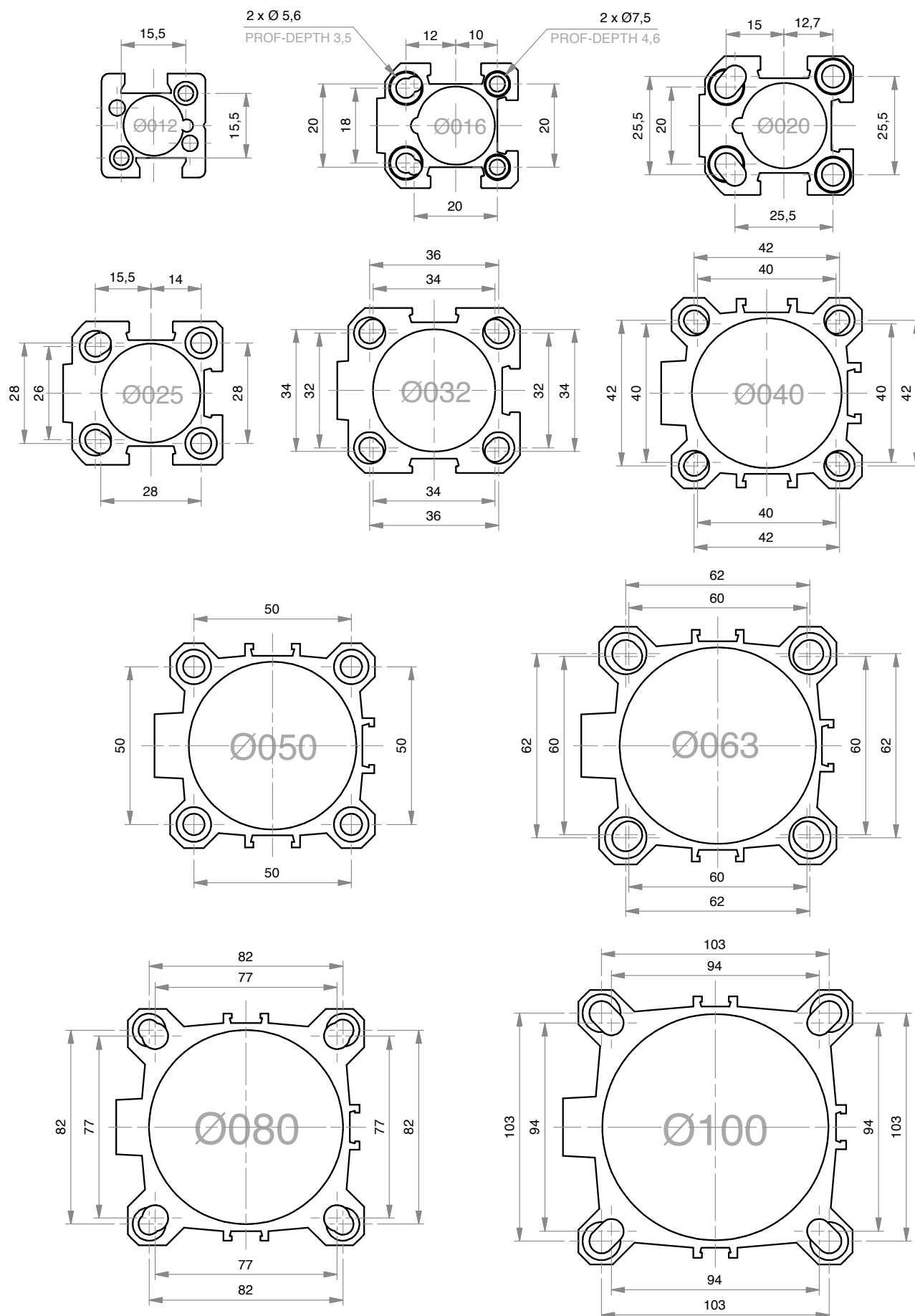
MOUNTING EXAMPLE



Il fissaggio deve avvenire mediante viti amagnetiche passanti attraverso il cilindro
The fixing must be with non magnetic screws through the cylinder

PROFILO ESTRUSO DI ALLUMINIO

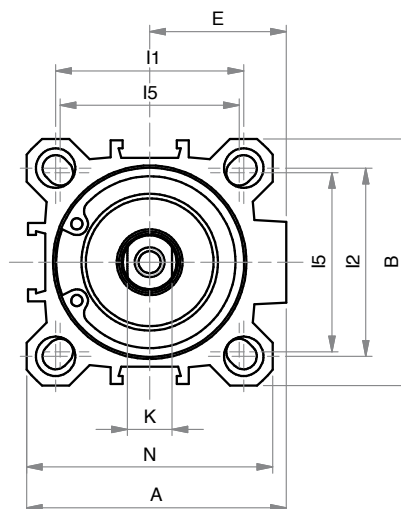
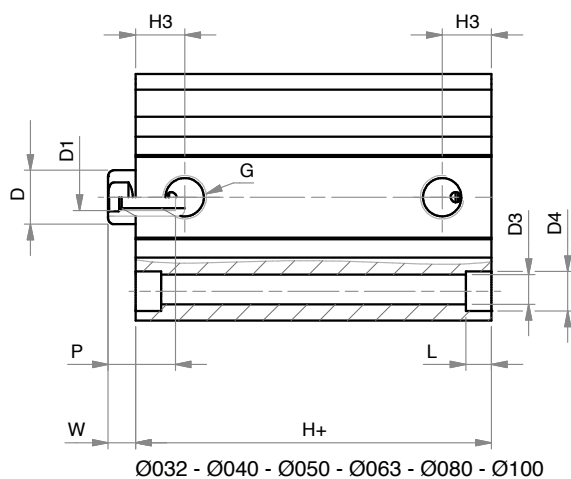
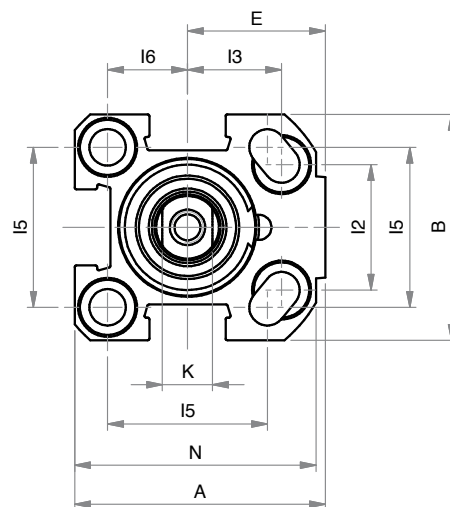
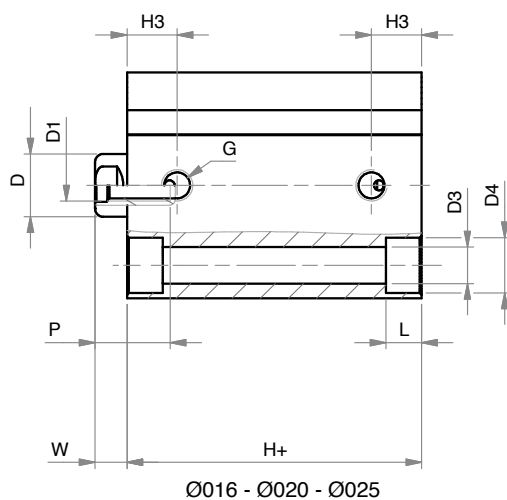
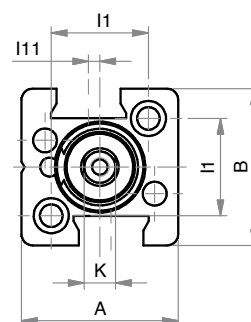
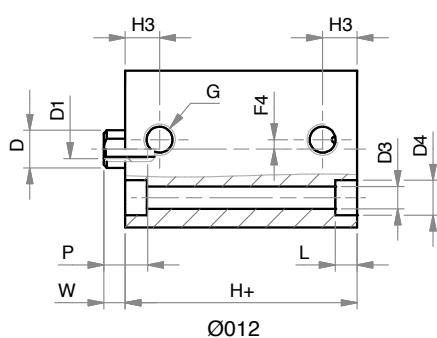
EXTRUDED ALUMINIUM PROFILE



SEMPLICE EFFETTO - MOLLA ANTERIORE

SINGLE ACTING - FRONT SPRING

FSR



DIMENSIONI - DIMENSIONS

Ø	012	016	020	025	032	040	050	063	080	100
A	25	34	40	44,5	51	58	70	89	105	131
B	25	30	36	40	46	55	65	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 D3	3,7	**	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	5,6	**	9	9	9	9	11	14	14	17,2
E	-	19	22	24,5	27	30,5	37,5	46	55	69
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	17	27	27	28,5	29,5*	29,5*	34,5*	37*	46*	56*
H3	5,5	8	8	10,5	11,5	11	11,5	11	14	16
I1	15,5	-	-	-	36	42	50	62	82	103
I2	-	18	20	26	32	42	50	62	82	103
I3	-	12	15	15,5	-	-	-	-	-	-
I5	-	20	25,5	28	34	40	50	60	77	94
I6	-	10	12,7	14	-	-	-	-	-	-
K	5	6	8	8	10	10	13	13	17	22
L	3,5	4,6	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	-	3,5	5,7	5,7	-	-	-	-	-	-
N	-	32	38,5	42	48	55	65	80	100	124
P	6	8	10	10	12	12	12	14	15	20
W	3,5	4,5	5	5,5	6	6	7,5	7	8	10

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

* per corse - for strokes 040 - 050:

Ø 032-040-050-063-080-100 aggiungere - to add +10 mm

** vedi quote pag.103 - see dimensions page 103

SERIE
F

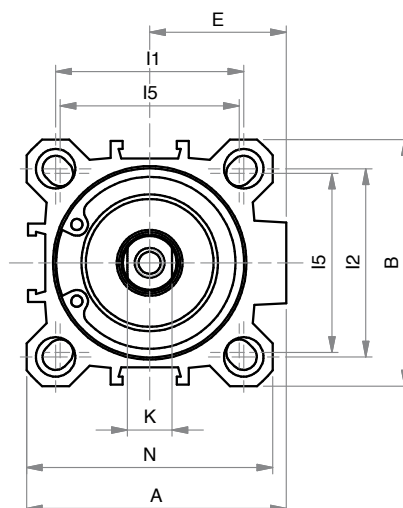
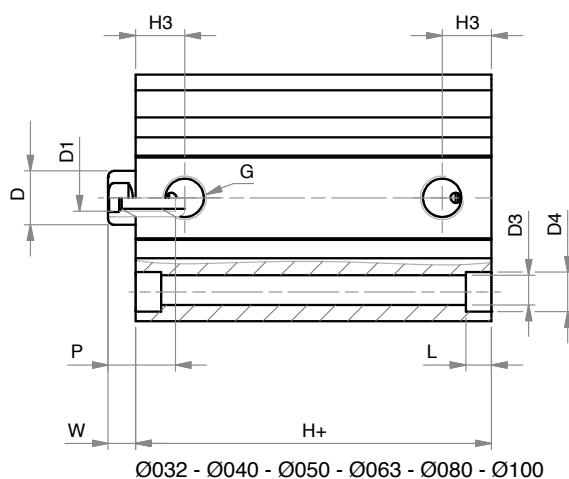
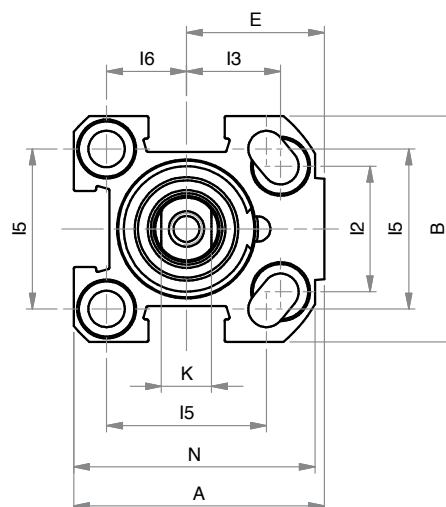
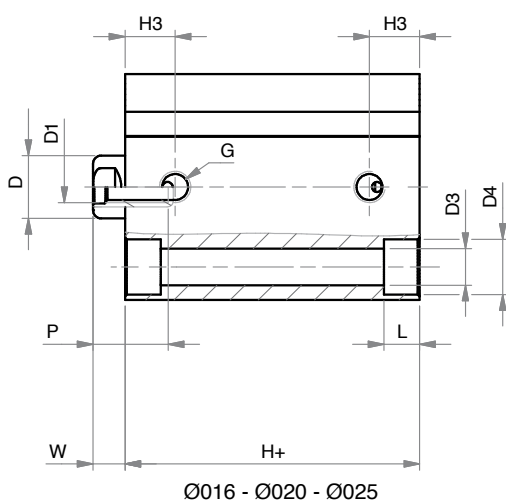
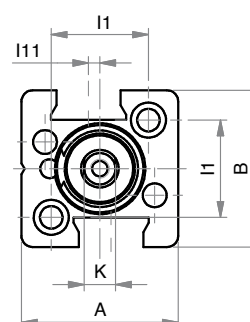
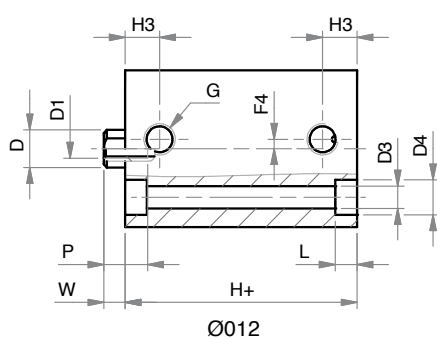
CORSE STANDARD - STANDARD STROKES

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
040					x	x	x	x	x	x
050					x	x	x	x	x	x

SEMPLICE EFFETTO MAGNETICO - MOLLA ANTERIORE

MAGNETIC SINGLE ACTING - FRONT SPRING

FSM



DIMENSIONI - DIMENSIONS

Ø	012	016	020	025	032	040	050	063	080	100
A	25	34	40	44,5	51	58	70	89	105	131
B	25	30	36	40	46	55	65	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 D3	3,7	**	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	5,6	**	9	9	9	9	11	14	14	17,2
E	-	19	22	24,5	27	30,5	37,5	46	55	69
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	27	32*	32*	38,5*	39,5*	39,5*	39,5*	42*	46*	56*
H3	5,5	8	8	10,5	11,5	11	11,5	11	14	16
I1	15,5	-	-	-	36	42	50	62	82	103
I2	-	18	20	26	32	42	50	62	82	103
I3	-	12	15	15,5	-	-	-	-	-	-
I5	-	20	25,5	28	34	40	50	60	77	94
I6	-	10	12,7	14	-	-	-	-	-	-
K	5	6	8	8	10	10	13	13	17	22
L	3,5	4,6	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	-	3,5	5,7	5,7	-	-	-	-	-	-
N	-	32	38,5	42	48	55	65	80	100	124
P	6	8	10	10	12	12	12	14	15	20
W	3,5	4,5	4,5	5,5	5,5	6,5	7,5	6,5	8	10

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

* per corse - for strokes 025:

Ø 016-020 aggiungere - to add +6 mm

Ø 025 aggiungere - to add +1 mm

* per corse - for stroke 040-050:

Ø 032-040-050-063-080-100 aggiungere - to add +10 mm

** vedi quote pag.103 - see dimensions page 103

CORSE STANDARD - STANDARD STROKES

Ø	012	016	020	025	032	040	050	063	080	100
005	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
020			x	x	x	x	x	x	x	x
025			x	x	x	x	x	x	x	x
030					x	x	x	x	x	x

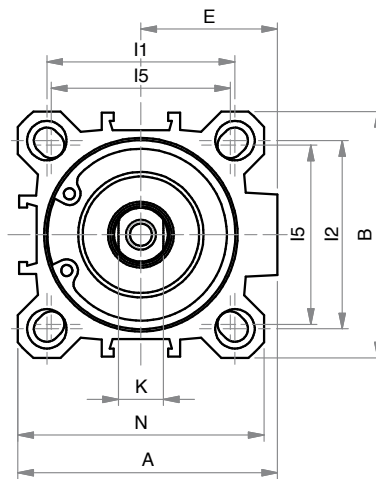
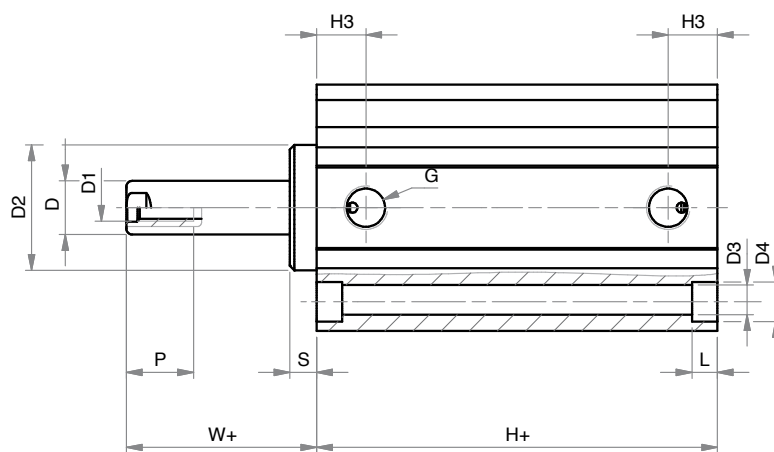
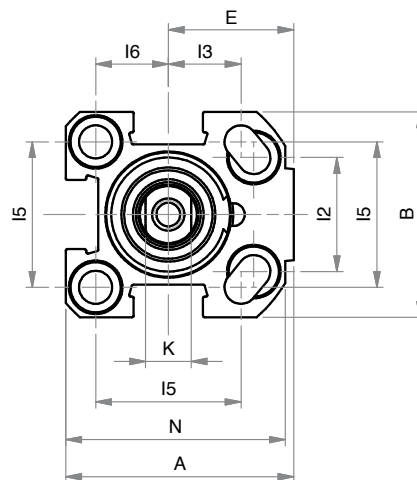
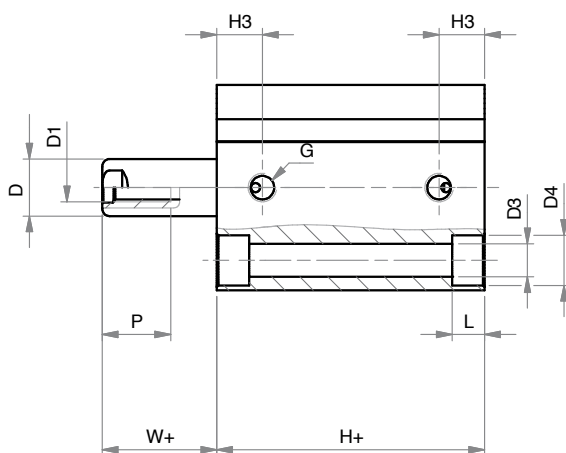
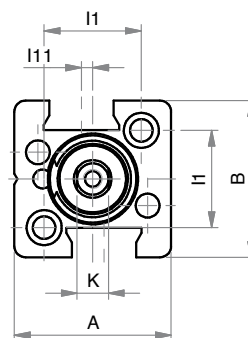
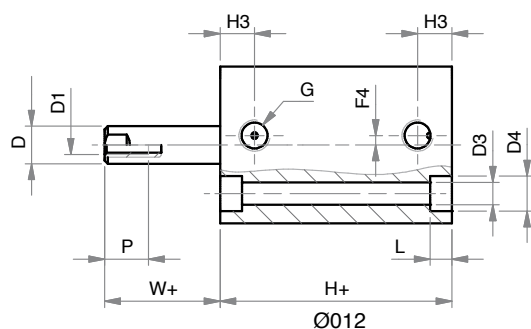
SERIE
F

SEMPLICE EFFETTO (MAGNETICO) - MOLLA POSTERIORE

FSE

FSEM

(MAGNETIC) SINGLE ACTING - REAR SPRING



DIMENSIONI - DIMENSIONS

Ø	012	016	020	025	032	040	050	063
A	25	34	40	44,5	51	58	70	89
B	25	30	36	40	46	55	65	80
Ø D	6	8	10	10	12	12	16	16
D1	M3	M4	M5	M5	M6	M6	M8	M8
Ø D2	-	-	-	-	24,5	28	34	38,5
Ø D3	3,7	**	5,8	5,8	5,8	5,8	6,8	9
Ø D4	5,6	**	9	9	9	9	11	14
E	-	19	22	24,5	27	30,5	37,5	46
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8
H+	27	32*	32*	38,5*	39,5	39,5	39,5	42
H3	5,5	8	8	10,5	11,5	11	11,5	11
I1	15,5	-	-	-	36	42	50	62
I2	-	18	20	26	32	42	50	62
I3	-	12	15	15,5	-	-	-	-
I5	-	20	25,5	28	34	40	50	60
I6	-	10	12,7	14	-	-	-	-
K	5	6	8	8	10	10	13	13
L	3,5	4,6	5,7	5,7	5,7	5,7	6,8	8,8
L1	-	3,5	5,7	5,7	-	-	-	-
N	-	32	38,5	42	48	55	65	80
P	6	8	10	10	12	12	12	14
S	-	-	-	-	5	6	6	8
W	3,5	4,5	4,5	5,5	11	12,5	13,5	15

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

* per corse - for strokes 020-025:

Ø 020 aggiungere - to add +11 mm

Ø 025 aggiungere - to add +6 mm

Ø 032 aggiungere - to add +5 mm

* per corsa - for stroke 030:

Ø 032 aggiungere - to add +10 mm

** vedi quote pag.103 - see dimensions page 103

*** FSE=17 - FSEM=27

SERIE
F

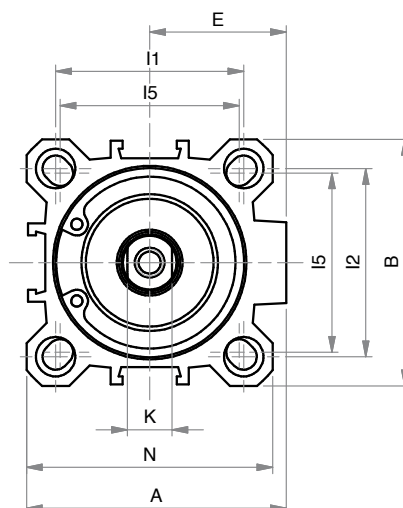
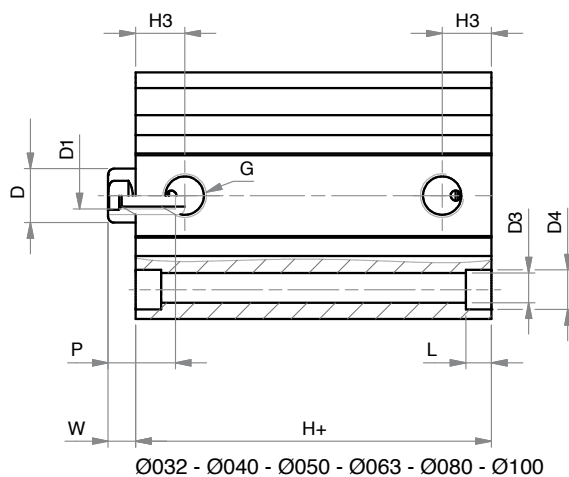
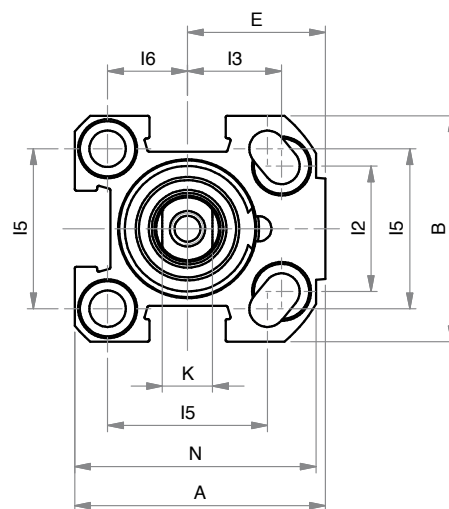
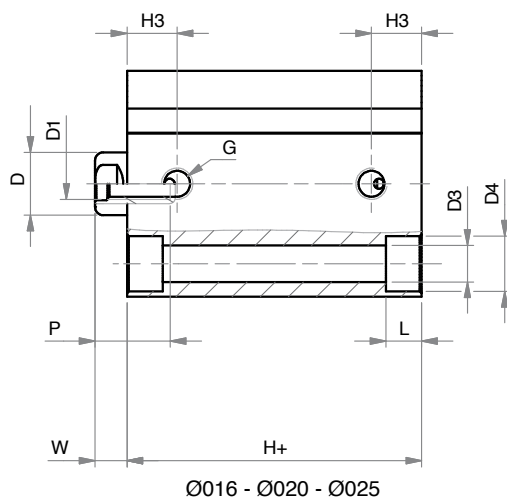
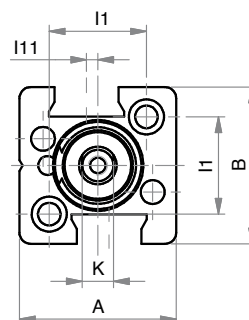
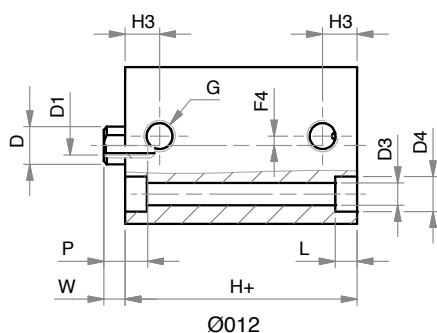
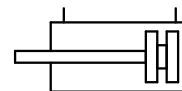
CORSE STANDARD - STANDARD STROKES

Ø	012	016	020	025	032	040	050	063
005	x	x	x	x	x			
010	x	x	x	x	x	x	x	x
015		x	x	x	x	x	x	x
020			x	x	x	x	x	x
025			x	x	x	x	x	x
030					x	x	x	x

DOPPIO EFFETTO

DOUBLE ACTING

FDR



SERIE
F

DIMENSIONI - DIMENSIONS

Ø	012	016	020	025	032	040	050	063	080	100
A	25	34	40	44,5	51	58	70	89	105	131
B	25	30	36	40	46	55	65	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 D3	3,7	**	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	5,6	**	9	9	9	9	11	14	14	17,2
E	-	19	22	24,5	27	30,5	37,5	46	55	69
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	17	27*	27*	28,5*	29,5	29,5	34,5	37	46	56
H3	5,5	8	8	10,5	11,5	11	11,5	11	14	16
I1	15,5	-	-	-	36	42	50	62	82	103
I2	-	18	20	26	32	42	50	62	82	103
I3	-	12	15	15,5	-	-	-	-	-	-
I5	-	20	25,5	28	34	40	50	60	77	94
I6	-	10	12,7	14	-	-	-	-	-	-
K	5	6	8	8	10	10	13	13	17	22
L	3,5	4,6	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	-	3,5	5,7	5,7	-	-	-	-	-	-
N	-	32	38,5	42	48	55	65	80	100	124
P	6	8	10	10	12	12	12	14	15	20
W	3,5	4,5	5	5,5	6	6	7,5	7	8	10

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

* per corse - for strokes 030-040-050:

Ø 016-020 aggiungere - to add +1 mm

* per corse - for strokes 040-050:

Ø 025 aggiungere - to add +1 mm

** vedi quote pag.103 - see dimensions page 103

SERIE
F

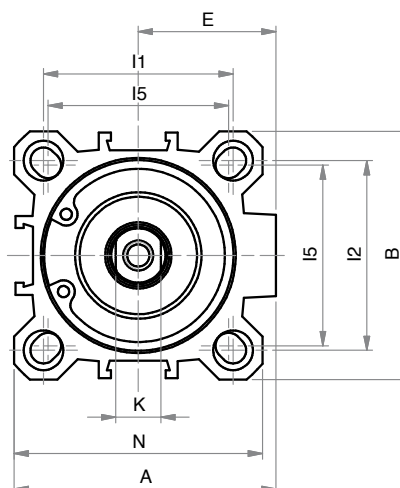
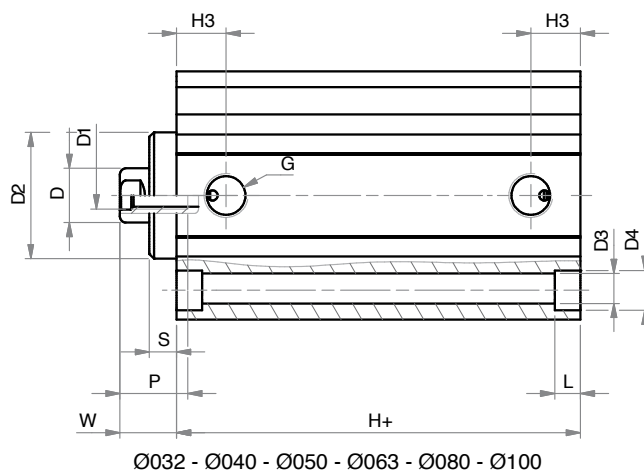
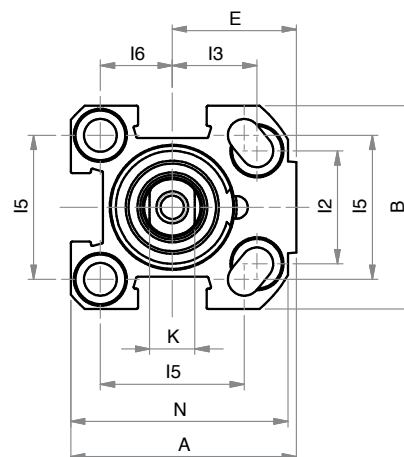
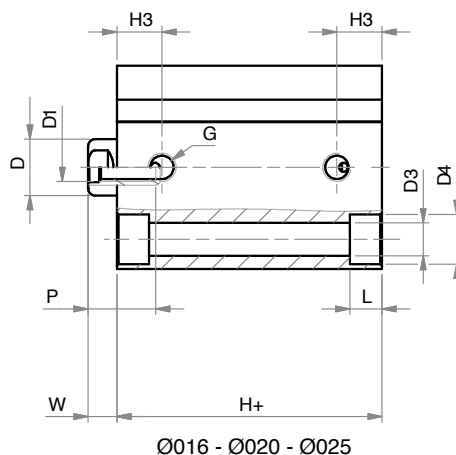
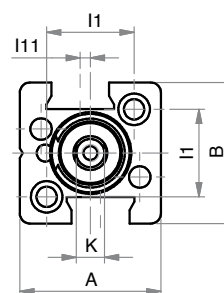
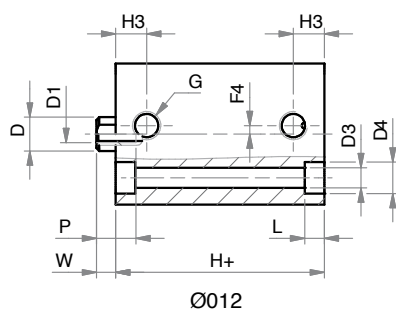
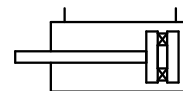
CORSE STANDARD - STANDARD STROKES

Ø	012	016	020	025	032	040	050	063	080	100
005	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
060					x	x	x	x	x	x
080					x	x	x	x	x	x
100					x	x	x	x	x	x

DOPPIO EFFETTO MAGNETICO

MAGNETIC DOUBLE ACTING

FDM



DIMENSIONI - DIMENSIONS

Ø	012	016	020	025	032	040	050	063	080	100
A	25	34	40	44,5	51	58	70	89	105	131
B	25	30	36	40	46	55	65	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	-	-	-	-	24,5	28	34	38,5	44	56
Ø D3	3,7	**	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	5,6	**	9	9	9	9	11	14	14	17,2
E	-	19	22	24,5	27	30,5	37,5	46	55	69
G	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	27	32*	32*	38,5*	39,5	39,5	39,5	42	46	56
H3	5,5	8	8	10,5	11,5	11	11,5	11	14	16
I1	15,5	-	-	-	36	42	50	62	82	103
I2	-	18	20	26	32	42	50	62	82	103
I3	-	12	15	15,5	-	-	-	-	-	-
I5	-	20	25,5	28	34	40	50	60	77	94
I6	-	10	12,7	14	-	-	-	-	-	-
K	5	6	8	8	10	10	13	13	17	22
L	3,5	4,6	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	-	3,5	5,7	5,7	-	-	-	-	-	-
N	-	32	38,5	42	48	55	65	80	100	124
P	6	8	10	10	12	12	12	14	15	20
S	-	-	-	-	5	6	6	8	10	10,5
W	3,5	4,5	4,5	5,5	11	12,5	13,5	15	18	20,5

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

* per corse - for strokes >= 025:

Ø 016-020 aggiungere - to add +6 mm

Ø 025 aggiungere - to add +1 mm

** vedi quote pag.103 - see dimensions page 103

SERIE
F

CORSE STANDARD - STANDARD STROKES

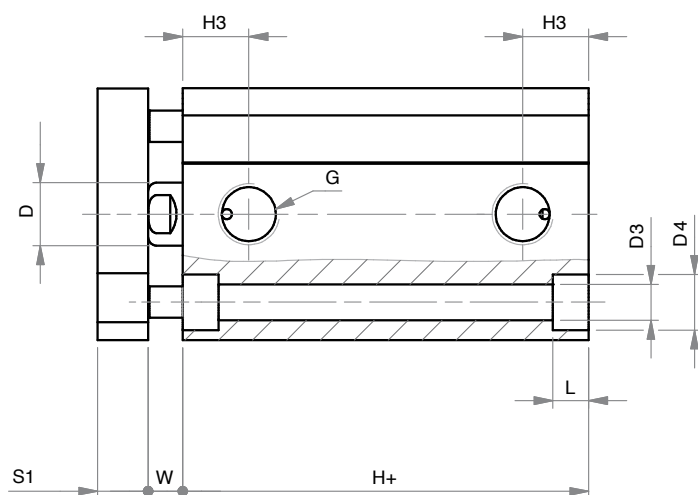
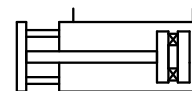
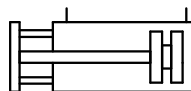
Ø	012	016	020	025	032	040	050	063	080	100
005	x	x	x	x	x	x				
010	x	x	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x	x	x
050		x	x	x	x	x	x	x	x	x
060		x	x	x	x	x	x	x	x	x
080		x	x	x	x	x	x	x	x	x
100		x	x	x	x	x	x	x	x	x
125			x	x	x	x	x	x	x	x
160					x	x	x	x	x	x
200							x	x	x	x
250									x	x

DOPPIO EFFETTO (MAGNETICO) ANTIROTAZIONE

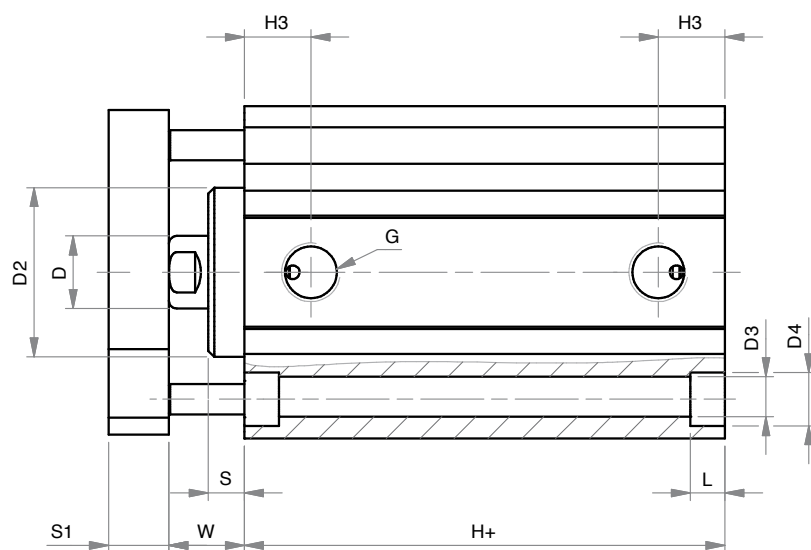
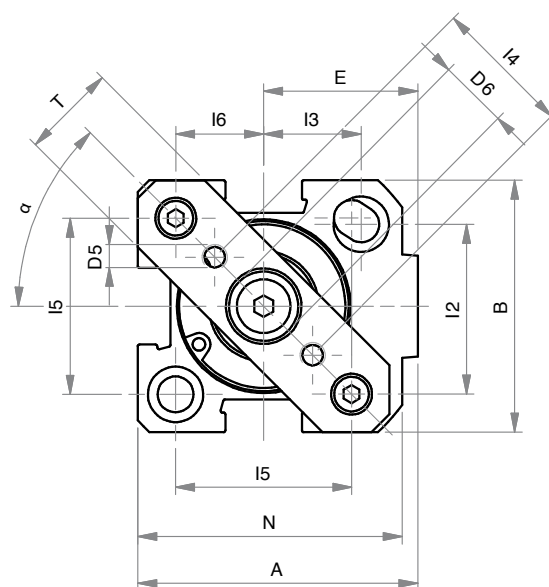
FDA

FDMA

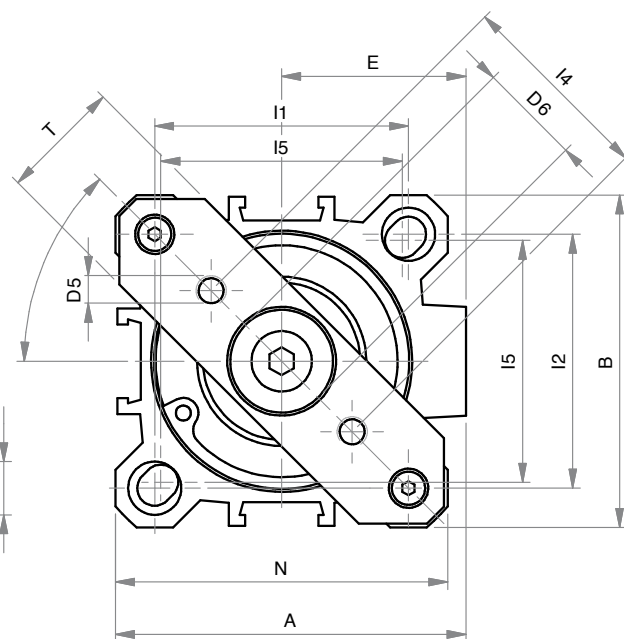
ANTI-ROTATION (MAGNETIC) DOUBLE ACTING



Ø016 - Ø020 - Ø025



Ø032 - Ø040 - Ø050 - Ø063 - Ø080 - Ø100



DIMENSIONI - DIMENSIONS

Ø	020	025	032	040	050	063	080	100
A	40	44,5	51	58	70	89	105	131
B	36	40	46	55	65	80	100	124
α	45°	45°	41,5°	45°	45°	45°	45°	45°
Ø D	10	10	12	12	16	16	20	25
Ø D2	-	-	24,5	28	34	38,5	44	56
Ø D3	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	9	9	9	9	11	14	14	17,2
D5	M4	M4	M5	M5	M6	M6	M8	M10
Ø D6	11	11	17	17	22	22	28	30
E	22	24,5	27	30,5	37,5	46	55	69
G	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	32*	38,5*	39,5	39,5	39,5	42	46	56
H3	8	10,5	11,5	11	11,5	11	14	16
I1	-	-	36	42	50	62	82	103
I2	20	26	32	42	50	62	82	103
I3	15	15,5	-	-	-	-	-	-
I4	20	22	28	33	42	50	65	80
I5	25,5	28	34	40	50	60	77	94
I6	12,7	14	-	-	-	-	-	-
K	8	8	10	10	13	13	17	22
L	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	5,7	5,7	-	-	-	-	-	-
N	38,5	42	48	55	65	80	100	124
S	-	-	5	6	6	8	10	10,5
S1	8	8	10	10	12	12	14	14
T	15	15	20	20	30	30	50	50
W	4,5	5,5	11	12,5	13,5	15	18	20,5

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

* per corse - for strokes >= 025:

Ø 020 aggiungere - to add +6 mm

Ø 025 aggiungere - to add +1 mm

SERIE
F

CORSE STANDARD - STANDARD STROKES

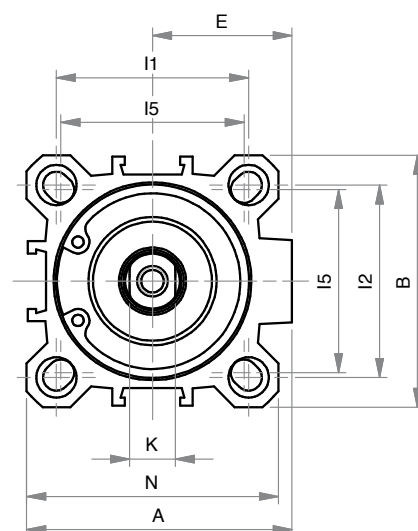
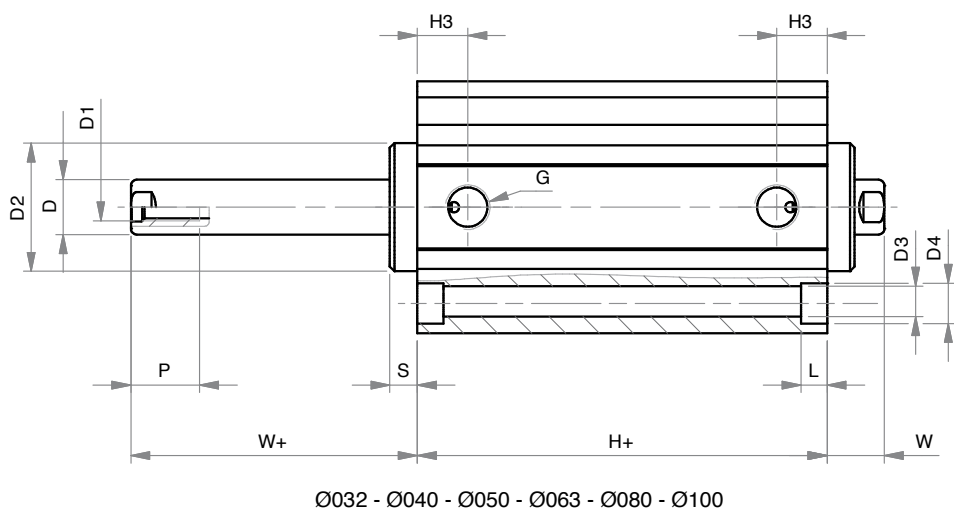
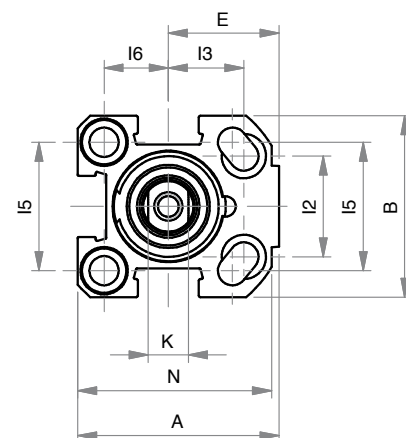
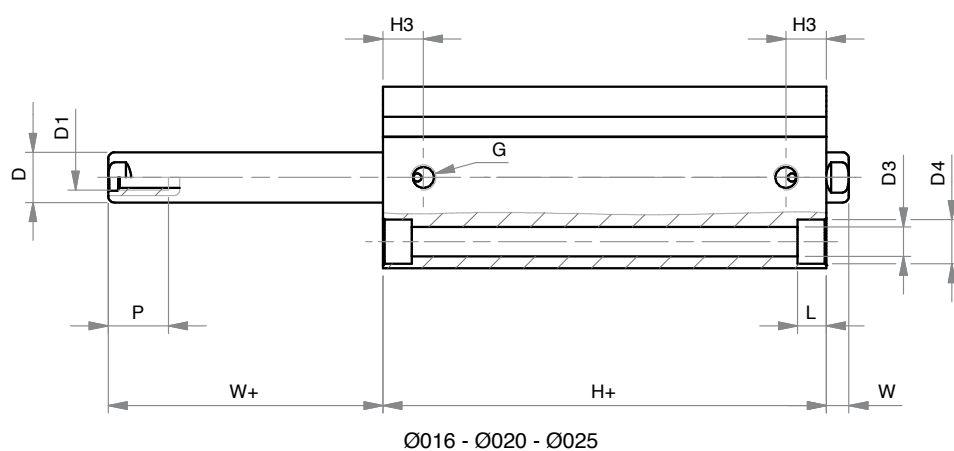
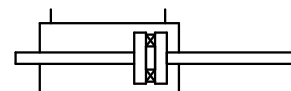
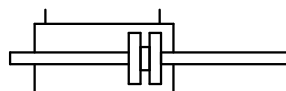
Ø	020	025	032	040	050	063	080	100
005	x	x	x	x				
010	x	x	x	x	x	x	x	x
015	x	x	x	x	x	x	x	x
020	x	x	x	x	x	x	x	x
025	x	x	x	x	x	x	x	x
030	x	x	x	x	x	x	x	x
040	x	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x	x
060	x	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x	x
160						x	x	x

DOPPIO EFFETTO (MAGNETICO) STELO PASSANTE

FDP

FDMP

DOUBLE ROD (MAGNETIC) DOUBLE ACTING



DIMENSIONI - DIMENSIONS

Ø	016	020	025	032	040	050	063	080	100
A	34	40	44,5	51	58	70	89	105	131
B	30	36	40	46	55	65	80	100	124
Ø D	8	10	10	12	12	16	16	20	25
D1	M4	M5	M5	M6	M6	M8	M8	M10	M12
Ø D2	-	-	-	24,5	28	34	38,5	44	56
Ø D3	**	5,8	5,8	5,8	5,8	6,8	9	9	11
Ø D4	**	9	9	9	9	11	14	14	17,2
E	19	22	24,5	27	30,5	37,5	46	55	69
G	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
H+	32*	32*	38,5*	39,5	39,5	39,5	42	46	56
H3	8	8	10,5	11,5	11	11,5	11	14	16
I1	-	-	-	36	42	50	62	82	103
I2	18	20	26	32	42	50	62	82	103
I3	12	15	15,5	-	-	-	-	-	-
I5	20	25,5	28	34	40	50	60	77	94
I6	10	12,7	14	-	-	-	-	-	-
K	6	8	8	10	10	13	13	17	22
L	4,6	5,7	5,7	5,7	5,7	6,8	8,8	9	11
L1	3,5	5,7	5,7	-	-	-	-	-	-
N	32	38,5	42	48	55	65	80	100	124
P	8	10	10	12	12	12	14	15	20
S	-	-	-	5	6	6	8	10	10,5
W	4,5	4,5	5,5	11	12,5	13,5	15	18	20,5
W+	4,5	4,5	5,5	11	12,5	13,5	15	18	20,5

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

* per corse - for strokes >= 025:

Ø 016-020 aggiungere - to add +6 mm

Ø 025 aggiungere - to add +1 mm

** vedi quote pag.103 - see dimensions page 103

SERIE
F

CORSE STANDARD - STANDARD STROKES

Ø	016	020	025	032	040	050	063	080	100
005	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
080	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
160				x	x	x	x	x	x
200						x	x	x	x
250								x	x