



AUTOMATION

**CILINDRI CORSA BREVE
SHORT STROKE CYLINDERS**

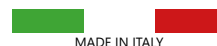
SERIE

BA



MADE IN ITALY

CILINDRI CORSA BREVE Ø12 - Ø100
SHORT STROKE CYLINDERS Ø12 - Ø100



VERSIONI - VERSIONS



Materiali - Materials	
Testate - Covers	Alluminio anodizzato Anodized aluminum
Tubo - Tube	Alluminio anodizzato Anodized aluminum
Stelo - Piston rod	Acciaio inox AISI303 Stainless steel AISI303
Pistone - Piston	Ø12-32 Delrin Ø40-100 Alluminio/Aluminum
Guarnizioni - Seals	PU / NBR
Boccola guida - Guiding bush	Bronzo sinterizzato Sintered bronze

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

CHIAVE DI CODIFICA - KEY CODE

Base		Versioni - Versions						Ø	Corsa - Stroke	
BA	SA	Semplice effetto molla anteriore	0	Standard	M	Magnetico	N	Non ammortizzato	Ø12	0005
		Single acting front spring		Standard		Magnetic		Not Cushioned		
	SP	Semplice effetto molla posteriore	1	Passante	N	Non magnetico		
		Single acting rear spring		Through rod		Not magnetic				
	DE	Doppio effetto						100	250	
		Double acting								

CODICE ESEMPIO - SAMPLE CODE

BA	DE	0	M	N	050	0100	+	varianti	variants
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VARIANTI - VARIANTS

	Guarnizioni Seals	Versione Version	Materiale stelo Piston rod material	Filetto stelo speciale Special piston rod thread	Prolunga stelo Extended piston rod	Atex
HR	Guarnizione stelo Viton	E	Antirotaazione	Su richiesta On request	PXXX	T
	Viton Rod seal		Not rotating			
HA	Tutto Viton					
	All Viton					

CORSE STANDARD - STANDARD STROKES

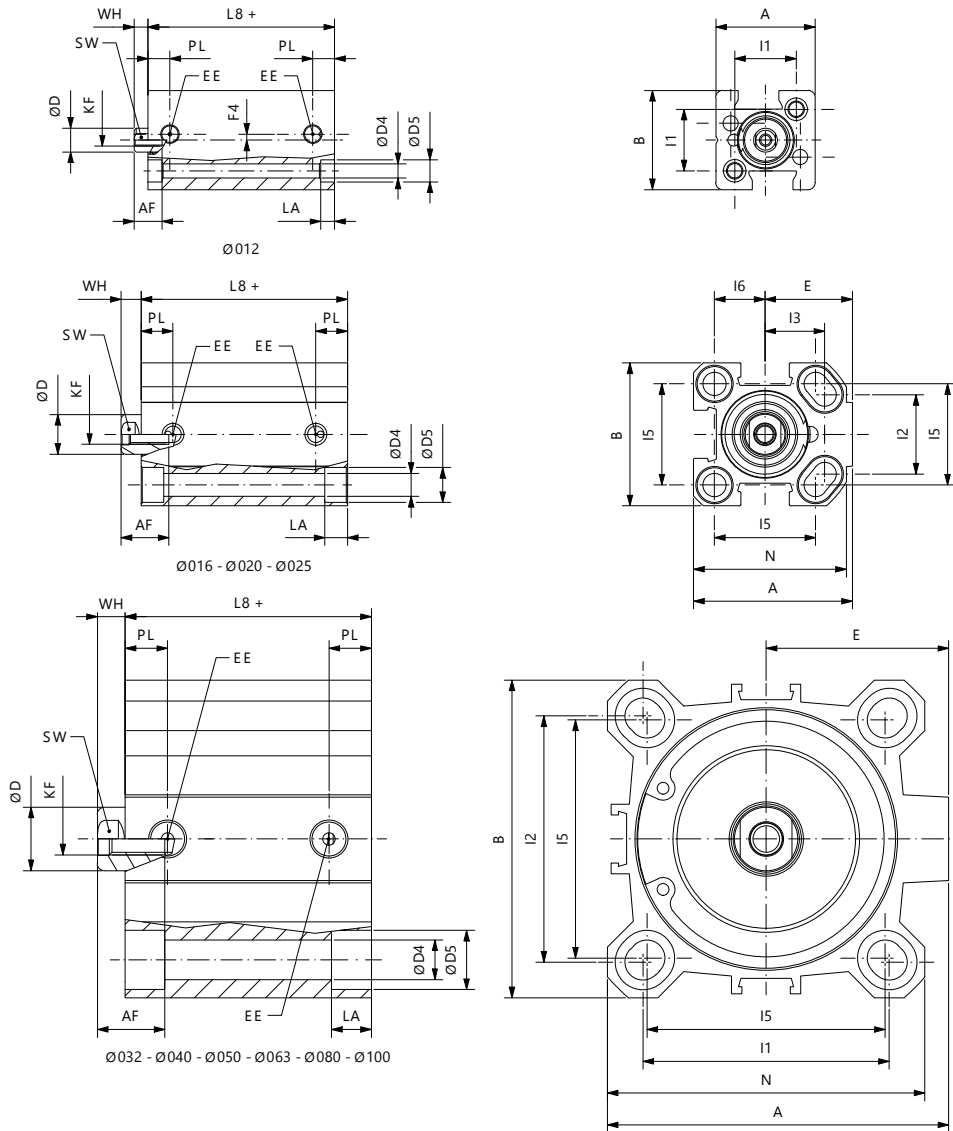
Ø	5	10	15	20	25	30	40	50	60	70	80	90	100	125	160	200	250
12	XY	XY	XY	XY	XY												
16	XY	XY	XY	XY	X												
20	XY	XY	XY	XY	XY												
25	XY	XY	XY	XY	XY												
32	XY	XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y				
40	XY	XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y				
50		XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y				
63		XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y				
80		XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y	Y	Y	Y	Y
100		XY	XY	XY	XY	XY	XY	XY	Y	Y	Y	Y	Y	Y	Y	Y	Y

X= Cilindro semplice effetto - Single acting cylinder

Y= Cilindro doppio effetto - Double acting cylinder

SEMPLICE EFFETTO MOLLA ANTERIORE - SINGLE ACTING FRONT SPRING

BASA0NN NON MAGNETICO - NOT MAGNETIC

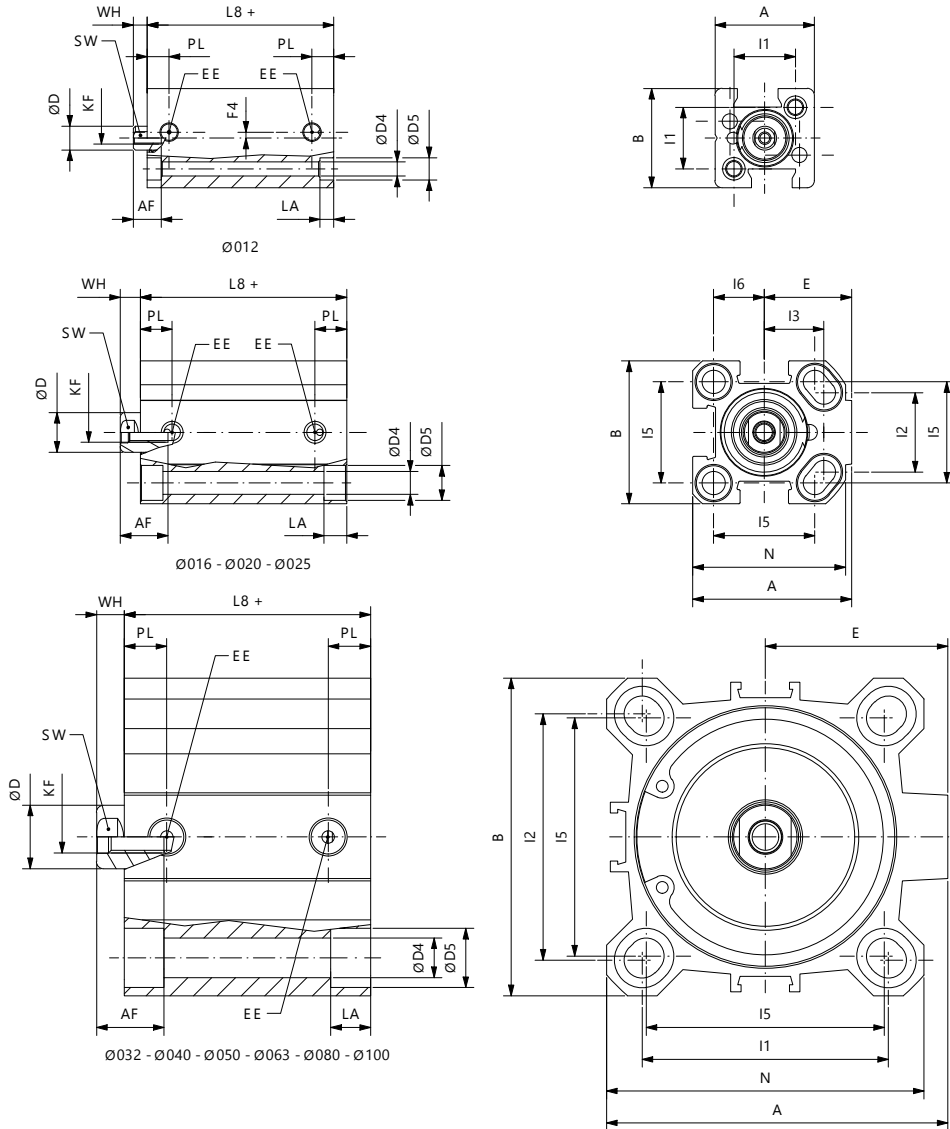


Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	17**	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	rif	rif	19	M5	27	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	27	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	28,5	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	29,5*	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	29,5*	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	34,5*	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	37*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

+ = sommare corsa / plus stroke length
 * = aggiungere / add 10mm per corse / for strokes 40, 50
 ** = aggiungere / add 5mm per corse / for strokes 15, 20, 25

SEMPLICE EFFETTO MOLLA ANTERIORE - SINGLE ACTING FRONT SPRING

BASA0MN MAGNETICO - MAGNETIC



Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	27	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	-	-	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	39,5*	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	39,5*	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	39,5*	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	42*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

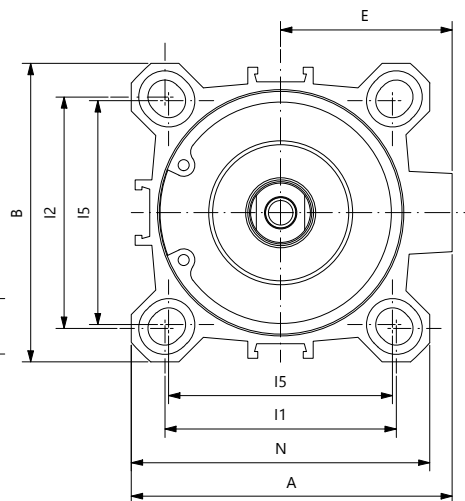
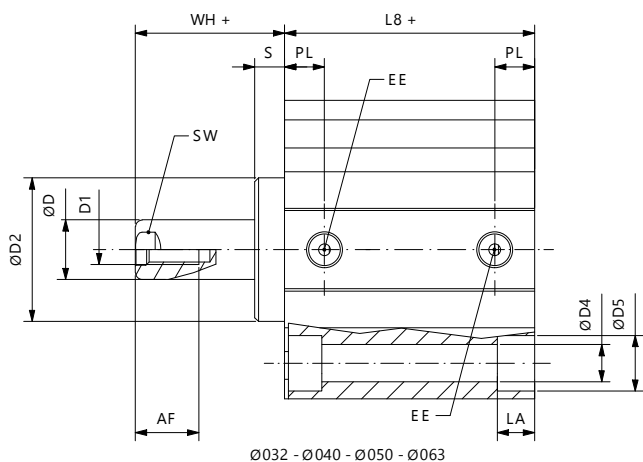
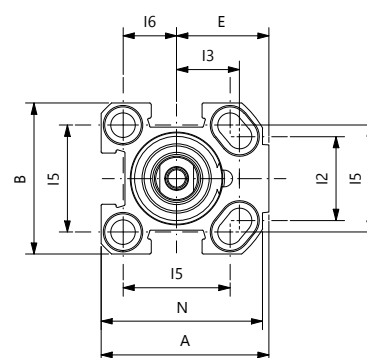
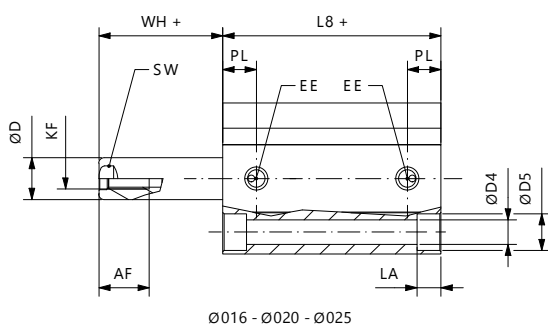
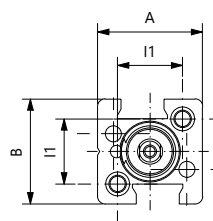
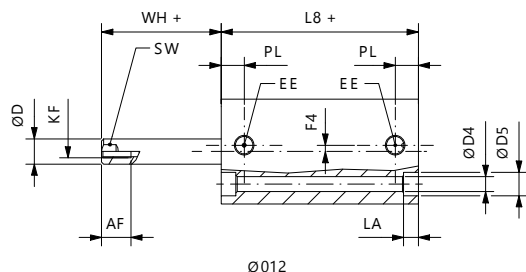
* = aggiungere / add 6mm per corsa / for stroke 25 (Ø16 - Ø20) ; aggiungere / add 1mm per corsa / for stroke 25 (Ø25)

* = aggiungere / add 10mm per corsa / for strokes 40, 50 (Ø32 - Ø100)

+ = sommare corsa / plus stroke length

SEMPLICE EFFETTO MOLLA POSTERIORE - SINGLE ACTING REAR SPRING

BASP0MN - BASP0NN



Ø	A	B	ØD	KF	ØD	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
12	25	25	6	M3	-	3,7	5,6	-	M5	**	5,5	15,5	-	-	-	-	3,5	-	-	7	-	3,5
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	11
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	12,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	13,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	15

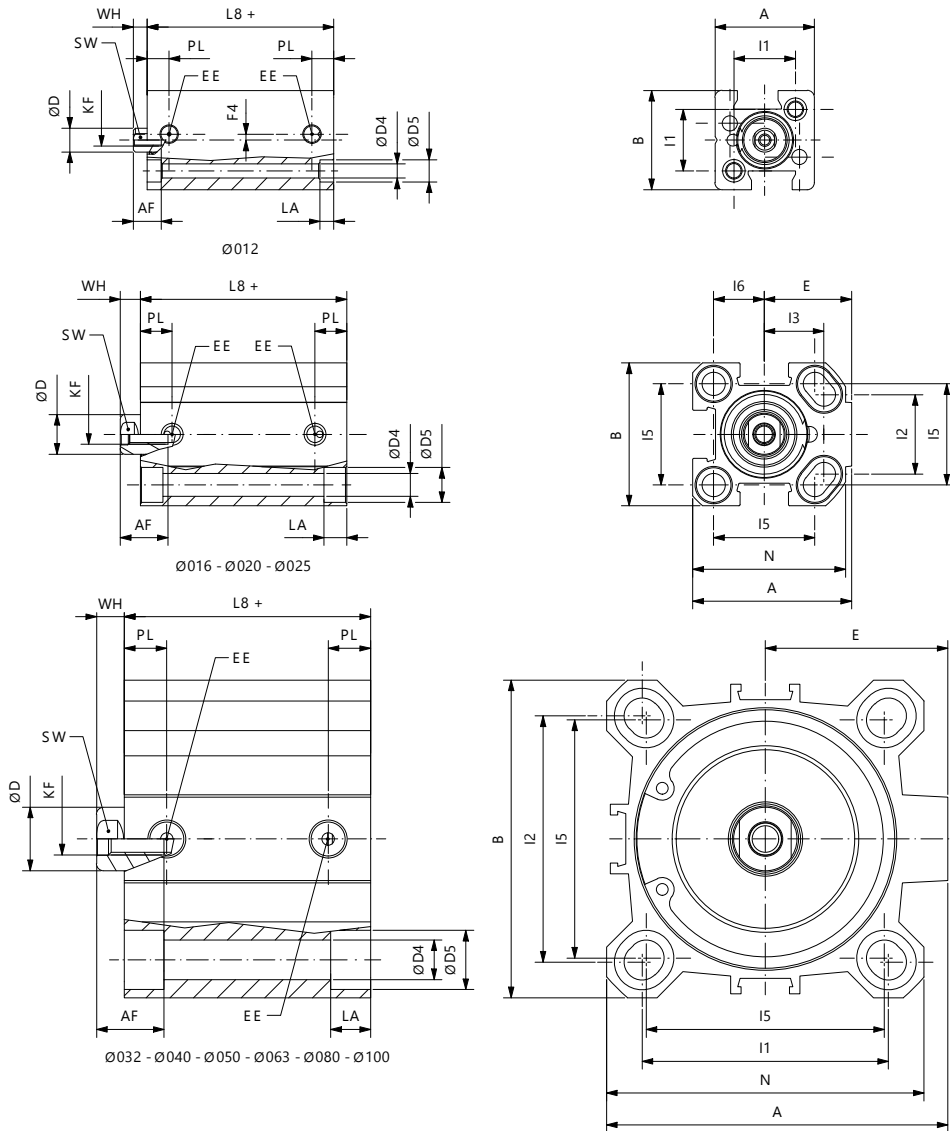
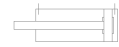
+ = sommare corsa / plus stroke length

* = aggiungere / add 11mm (Ø20), 6mm (Ø25), 5mm (Ø32) per corse / for strokes 20,25; aggiungere / add 10mm per corsa / for strokes 30 (Ø32)

** = non magnetico / not magnetic 17mm, magnetico / magnetic 27mm

DOPPIO EFFETTO - DOUBLE ACTING

BADE0NN



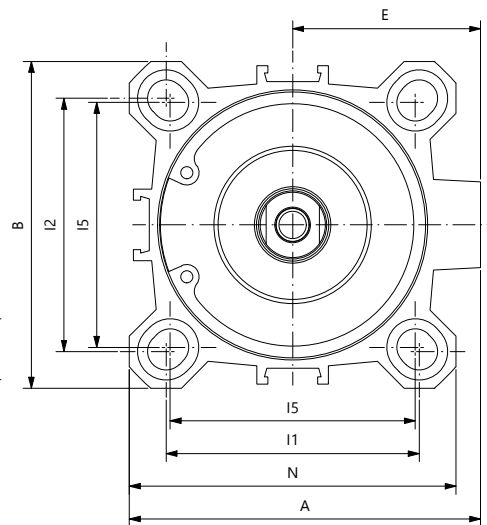
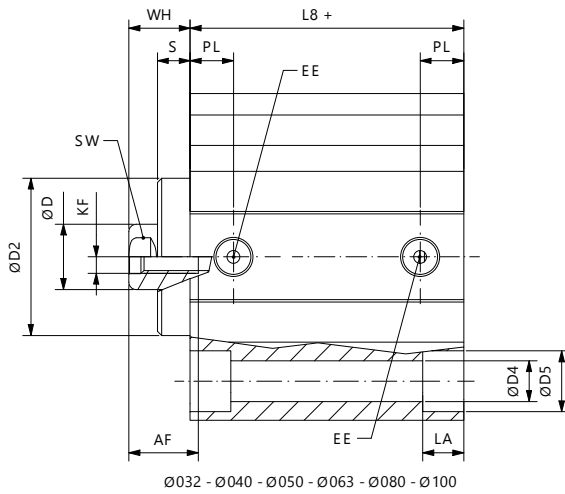
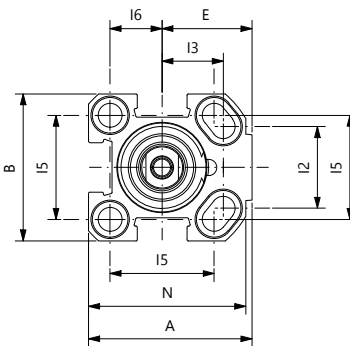
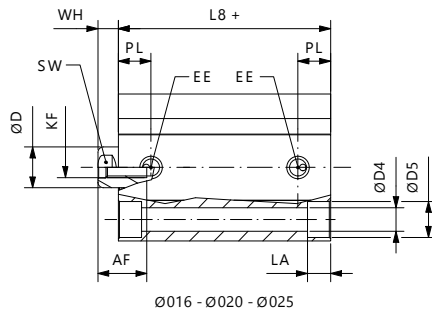
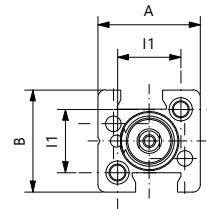
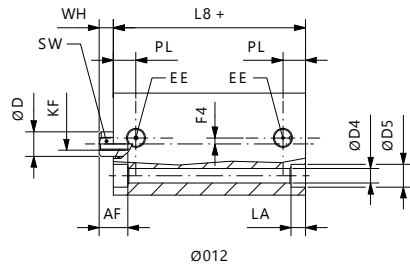
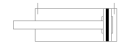
Ø	A	B	ØD	KF	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	WH
12	25	25	6	M3	3,7	5,6	-	M5	17	5,5	15,5	-	-	-	-	3,5	-	-	7	3,5
16	34	30	8	M4	rif	rif	19	M5	27*	8	-	18	12	20	10	4,6	3,5	32	11	4,5
20	40	36	10	M5	5,8	9	22	M5	27*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	5
25	44,5	40	10	M5	5,8	9	24,5	1/8G	28,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	5,5
32	51	46	12	M6	5,8	9	27	1/8G	29,5	11,5	36	32	-	34	-	5,7	-	48	15	6
40	58	55	12	M6	5,8	9	30,5	1/8G	29,5	11	42	42	-	40	-	5,7	-	55	15	6
50	70	65	16	M8	6,8	11	37,5	1/8G	34,5	11,5	50	50	-	50	-	6,8	-	65	17	7,5
63	89	80	16	M8	9	14	46	1/8G	37*	11	62	62	-	60	-	8,8	-	80	17	7
80	105	100	20	M10	9	14	55	1/4G	46*	14	82	82	-	77	-	9	-	100	17	8
100	131	124	25	M12	11	17,2	69	1/4G	56*	16	103	103	-	94	-	11	-	124	22	10

+ = sommare corsa / plus stroke length

** = aggiungere / add 1mm per corse / for strokes 30, 40, 50 (Ø16 - Ø20) ; aggiungere / add 1mm per corse 40, 50 (Ø25)

DOPPIO EFFETTO - DOUBLE ACTING

BADE0MN



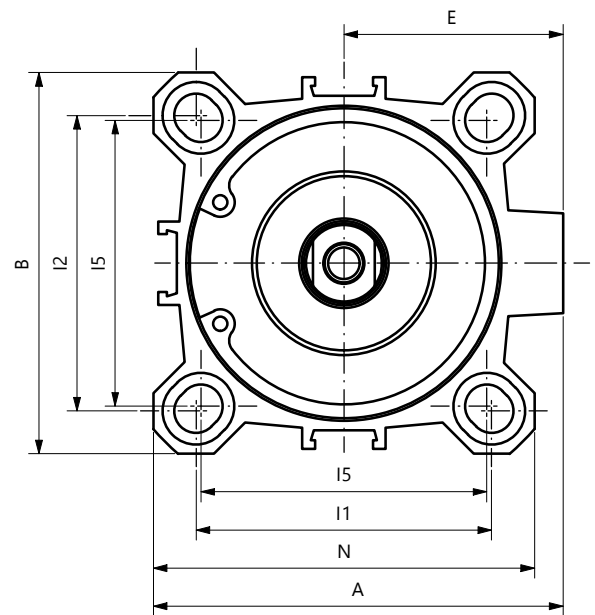
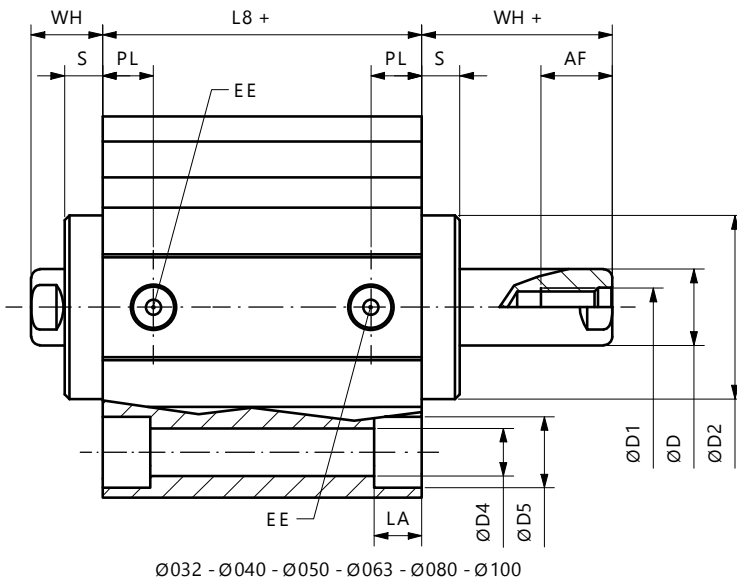
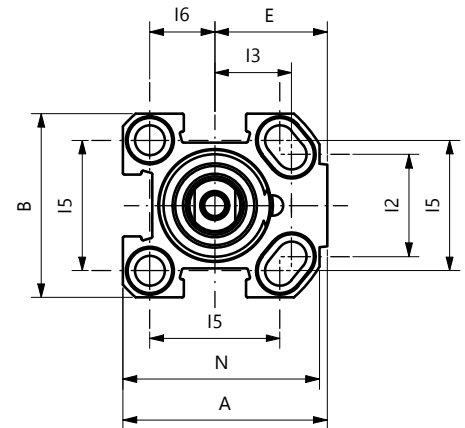
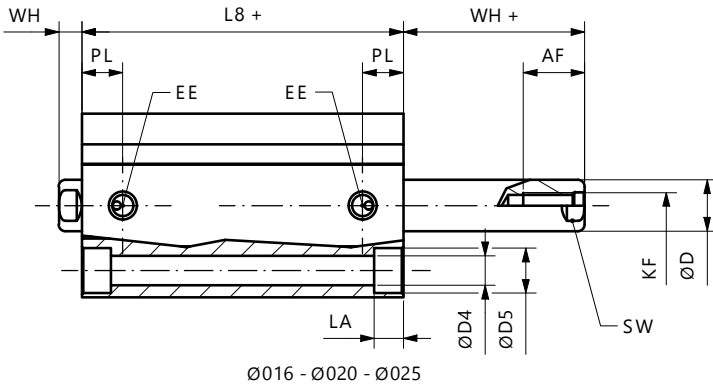
Ø	A	B	ØD	KF	ØD2	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
12	25	25	6	M3	-	3,7	5,6	-	M5	27	5,5	15,5	-	-	-	-	3,5	-	-	7	-	3,5
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	5,5
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	6,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	7,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	6,5
80	105	100	20	M10	44	9	14	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	8
100	131	124	25	M12	56	11	17,2	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	10

+ = sommare corsa / plus stroke length

* = aggiungere / add 6mm per corsa / for stroke 25+ (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)

DOPPIO EFFETTO PASSANTE - DOUBLE ACTING THROUGH ROD

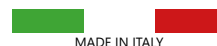
BADE1NN - BADE1MN



Ø	A	B	ØD	Kf	ØD2	ØD4	ØD5	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	WH
16	34	30	8	M4	-	rif	rif	19	M5	32*	8	-	18	12	20	10	4,6	3,5	32	11	-	4,5
20	40	36	10	M5	-	5,8	9	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	4,5
25	44,5	40	10	M5	-	5,8	9	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	5,5
32	51	46	12	M6	24,5	5,8	9	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	5,5
40	58	55	12	M6	28	5,8	9	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	6,5
50	70	65	16	M8	34	6,8	11	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	7,5
63	89	80	16	M8	38,5	9	14	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	6,5
80	105	100	20	M10	44	9	14	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	8
100	131	124	25	M12	56	11	17,2	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	10

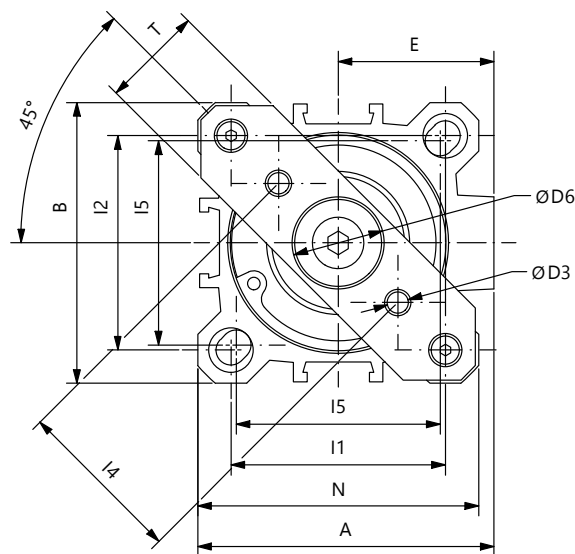
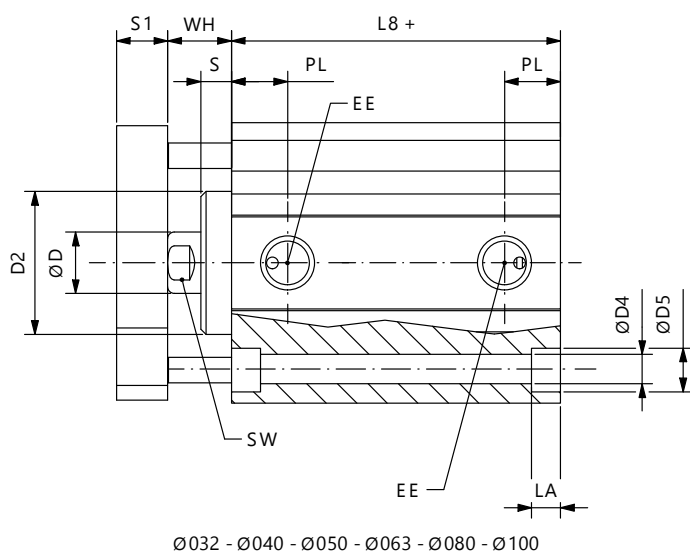
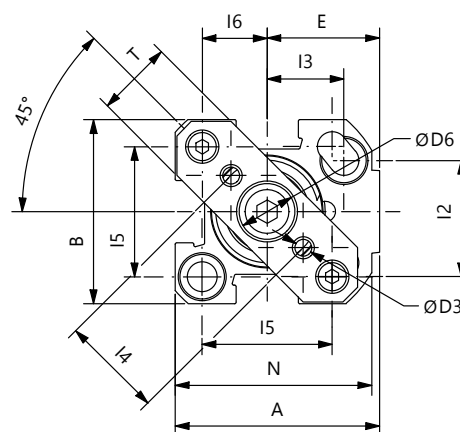
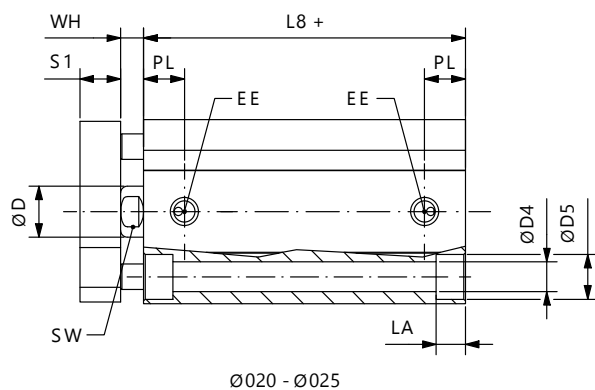
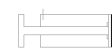
+ = sommare corsa / plus stroke length

* = aggiungere / add 6mm per corsa / for stroke 25+ (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)



DOPPIO EFFETTO ANTIROTAZIONE - DOUBLE ACTING NOT ROTATING

BADE0NN...E - BADE0MN...E



Ø	A	B	ØD	ØD2	ØD3	ØD4	ØD5	ØD6	E	EE	L8	PL	I1	I2	I3	I5	I6	LA	L1	N	AF	S	S1	WH
20	40	36	10	-	M4	5,8	9	11	22	M5	32*	8	-	20	15	25,5	12,7	5,7	5,7	38,5	12	-	8	4,5
25	44,5	40	10	-	M4	5,8	9	11	24,5	1/8G	38,5*	10,5	-	26	15,5	28	14	5,7	5,7	42	12	-	8	5,5
32	51	46	12	24,5	M5	5,8	9	17	27	1/8G	39,5	11,5	36	32	-	34	-	5,7	-	48	15	5	10	11
40	58	55	12	28	M5	5,8	9	17	30,5	1/8G	39,5	11	42	42	-	40	-	5,7	-	55	15	6	10	12,5
50	70	65	16	34	M6	6,8	11	22	37,5	1/8G	39,5	11,5	50	50	-	50	-	6,8	-	65	17	6	12	13,5
63	89	80	16	38,5	M6	9	14	22	46	1/8G	42	11	62	62	-	60	-	8,8	-	80	17	8	12	15
80	105	100	20	44	M8	9	14	28	55	1/4G	46	14	82	82	-	77	-	9	-	100	17	10	14	18
100	131	124	25	56	M10	11	17,2	30	69	1/4G	56	16	103	103	-	94	-	11	-	124	22	10,5	14	20,5

+ = sommare corsa / plus stroke length

* = aggiungere / add 6mm per corsa + (Ø16 - Ø20) ; aggiungere / add 1mm per corse 25+ (Ø25)