

CILINDRI A CORSA BREVE - caratteristiche tecniche -

FD (NON MAGNETICO)

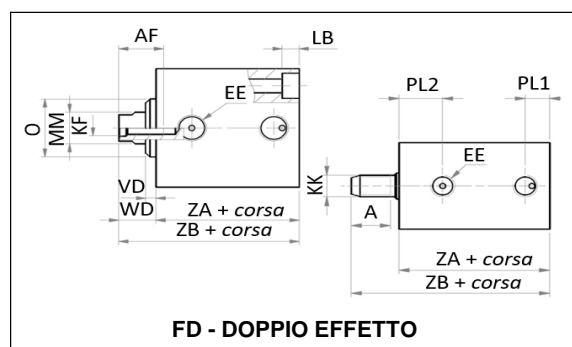
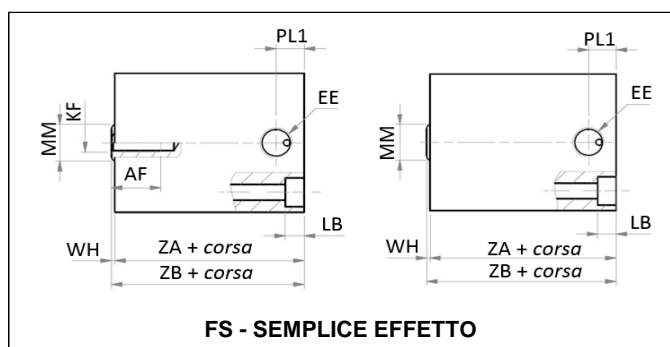
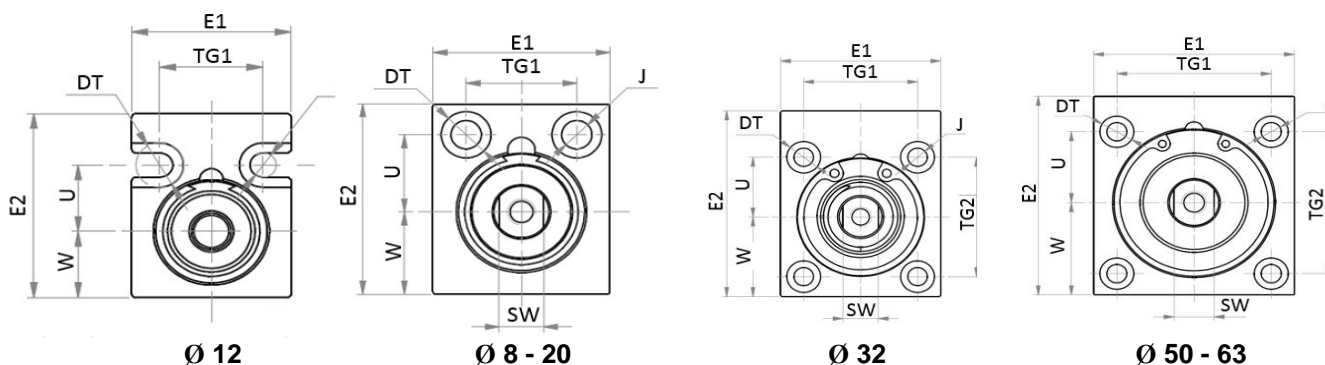
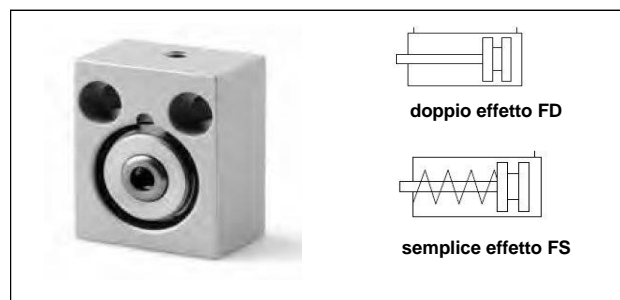
- CILINDRO A DOPPIO EFFETTO - STELO SEMPLICE

FS (NON MAGNETICO)

- CILINDRO A SEMPLICE EFFETTO - MOLLA ANTERIORE

Esempio di ordinazione

FD 20/10 = cilindro corsa breve doppio effetto, stelo semplice alesaggio 20 corsa 10 non magnetico



FS	Ø / CORSA cilindro	AF mm	Ø DT mm	E1 mm	E2 mm	EE	KF mm	LB mm	Ø MM mm	Ø J mm	PL1 mm	SW mm	TG1 mm	TG2 mm	U mm	W mm	WH mm	ZA+ mm	ZB+ mm
STELO LISCO	8 / 4	-	6	18	20	M5	-	3.1	4	3.4	5.5	-	11	-	8	6.5	1	12	13
	12 / 4	-	6	20	25	M5	-	3.4	5	3.3	6	-	13	-	9	9	1	12	13
	12 / 10	-	6	20	25	M5	-	3.4	5	3.3	6	-	13	-	9	9	4	16	20
STELO FILETTATO FEMMINA	12 / 10	10	6	20	25	M5	M3	3.4	5	3.3	6	-	13	-	9	9	4	16	20
	20 / 4	9	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	16	17
	20 / 10	10	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	22	23
	20 / 25	10	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	28	29
	32 / 5	10	9.5	45	55	1/8	M6	5.7	12	5.3	8.5	10	32	36	18	24	1	21	22
	32 / 10	14.5	9.5	45	55	1/8	M6	5.7	12	5.3	8.5	10	32	36	18	24	1	22	23
	32 / 25	14.5	9.5	45	55	1/8	M6	5.7	12	5.3	8.5	10	32	36	18	24	1	32.5	33.5
	50 / 10	10.5	11	65	70	1/8	M8	6.8	16	6.5	7.5	13	50	50	25	32.5	1	20	21
	50 / 25	15.5	11	65	70	1/8	M8	6.8	16	6.5	8	13	50	50	25	32.5	1	32.5	33.5
	63 / 10	14.5	14	80	85	1/8	M8	9	16	9	8	13	62	62	31	40	1	25	26
63 / 25	14.5	14	80	85	1/8	M8	9	16	9	8	13	62	62	31	40	2	35.5	37.5	

+ = aggiungere lunghezza corsa (mm)

FD	CORSE STANDARD							
Ø	5	10	15	20	25	30		
12	5	10	15	20	25	30		STELO FILETTATO MASCHIO
20	5	10	15	20	25	30		STELO FILETTATO FEMMINA
32	5	10	15	20	25	30		
50	5	10	15	20	25	30		
63	5	10	15	20	25	30		

Ø cilindro	A	AF mm	Ø DT mm	E1 mm	E2 mm	EE	KF mm	KK mm	LB mm	Ø MM mm	Ø J mm	Ø O mm	PL1 mm	PL2 mm	SW mm	TG1 mm	TG2 mm	U mm	VD mm	W mm	WH mm	ZA+ mm	ZB+ mm
12	9	-	6	20	25	M5	-	M5	3.4	6	3.3	-	5	9	-	13	-	9	-	9	1	21	31
20	-	10	9	32	37	M5	M5	-	5.5	10	5.5	-	5	8.5	8	20	-	15	-	16	9.5	24.5	34
32	-	15	9.5	45	56	1/8	M6	-	5.7	12	5.3	22	8.5	12	10	32	36	18	3.5	24	12.5	33	45.5
50	-	17	11	65	70	1/8	M8	-	6.8	16	6.5	35	9	11	13	50	50	25	6	32.5	17	32.5	49.5
63	-	17	14	80	85	1/8	M8	-	9	16	9	35	8	13	13	62	62	31	6.5	40	17	35.5	52.5

+ = aggiungere lunghezza corsa (mm)

CILINDRI A CORSA BREVE - caratteristiche tecniche -

FDR (NON MAGNETICO)

- CILINDRO A DOPPIO EFFETTO - STELO SEMPLICE

FSR (NON MAGNETICO)

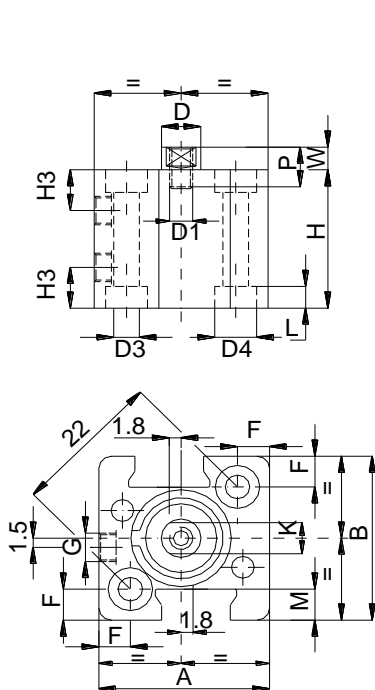
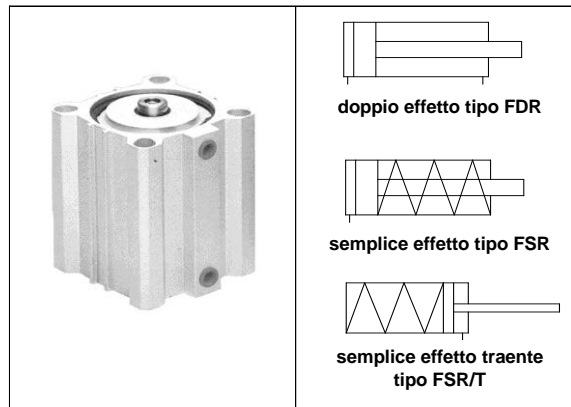
- CILINDRO A SEMPLICE EFFETTO - STELO SEMPLICE RETRATTO

FSR / T TRAENTE (NON MAGNETICO)

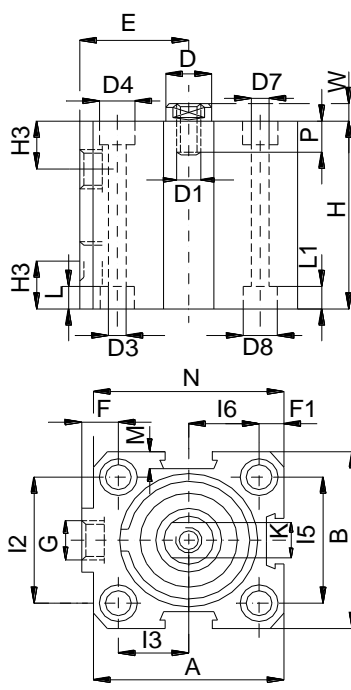
- CILINDRO A SEMPLICE EFFETTO - STELO SEMPLICE ESTESO

Esempio di ordinazione

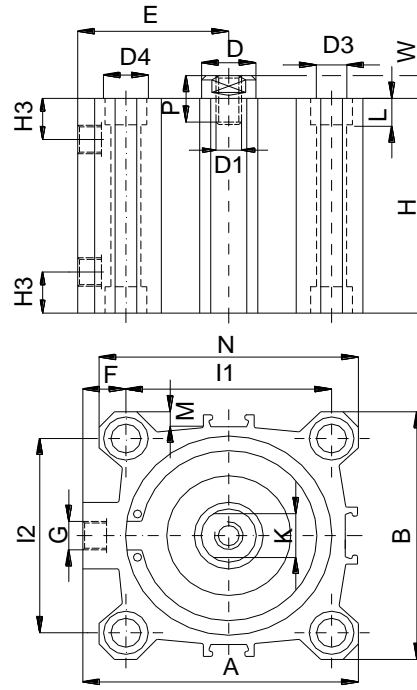
FSR 32 / 20 / T = cilindro c. breve semplice effetto traente, non magnetico, ales. 32 corsa 20 stelo semplice esteso



Ø 12



Ø 16 - 20 - 25



Ø 32 - 40 - 50 - 63 - 80 - 100

Ø cilindro	A mm	B mm	D mm	D1 mm	D3 mm	D4 mm	D7 mm	D8 mm	E mm	F mm	F1 mm	G mm	H3 mm	I1 mm	I2 mm	I3 mm	I5 mm	I6 mm	K mm	L mm	L1 mm	M mm	N mm	P mm	W mm
12	25	25	6	M3	3.7	5.6	-	-	-	4.7	-	M5	5.5	-	-	-	-	-	5	3.5	-	4.7	-	6	3.5
16	34	30	8	M4	4.7	7.5	3.7	5.6	19	7	5	M5	8	-	18	12	20	10	6	4.6	3.5	4	32	8	4.5
20	40	36	10	M5	5.8	9	5.8	9	22	7	5.2	M5	8	-	20	15	25.5	12.7	8	5.7	5.7	5.7	38.5	10	5
25	44.5	40	10	M5	5.8	9	5.8	9	24.5	9	6	1/8"	10.5	-	26	15.5	28	14	8	5.7	5.7	4.5	42	10	5.5
32	51	46	12	M6	5.8	9	-	-	27	9	-	1/8"	11.5	36	32	-	-	-	10	5.7	-	4	48	12	6
40	58	55	12	M6	5.8	9	-	-	30.5	9.5	-	1/8"	11	42	42	-	-	-	10	5.7	-	4	55	12	6
50	70	65	16	M8	6.8	11	-	-	37.5	12.5	-	1/8"	11.5	50	50	-	-	-	13	6.8	-	4	65	12	7.5
63	86	80	16	M8	9	14	-	-	46	15	-	1/8"	11	62	62	-	-	-	13	8.8	-	5	80	14	7
80	105	100	20	M10	9	14	-	-	55	14	-	1/4"	14	82	82	-	-	-	17	9	-	6	100	15	8
100	131	124	25	M12	11	17.2	-	-	69	17.5	-	1/4"	16	103	103	-	-	-	22	11	-	7.5	124	20	10

Ø cilindro	mod. FDR		quota "H" per le seguenti corse:																		
	5	10	15	20	25	30	40	50	60	80	100										
12	22	27	32	37	42	47	57	-	-	-	-										
16	32	37	42	47	52	58	68	78	-	-	-										
20	32	37	42	47	52	58	68	78	-	-	-										
25	33.5	38.5	43.5	48.5	53.5	58.5	69.5	79.5	-	-	-										
32	34.5	39.5	44.5	49.5	54.5	59.5	69	79.5	89.5	109.5	129.5										
40	34.5	39.5	44.5	49.5	54.5	59.5	69.5	79.5	89.5	109.5	129.5										
50	-	44.5	49.5	54.5	59.5	64.5	74.5	84.5	94.5	114.5	134.5										
63	-	47	52	57	62	67	77	87	97	117	137										
80	-	56	61	66	71	76	86	96	106	126	146										
100	-	66	71	76	81	86	96	106	116	136	156										

Ø cilindro	mod. FSR		quota "H" per le seguenti corse:														
	5	10	15	20	25	30	40	50									
12	22	27	-	-	-	-	-	-									
16	32	37	42	47	52	-	-	-									
20	32	37	42	47	52	-	-	-									
25	33.5	38.5	43.5	48.5	53.5	-	-	-									
32	34.5	39.5	44.5	49.5	54.5	59.5	79.5	89.5									
40	34.5	39.5	44.5	49.5	54.5	59.5	79.5	89.5									
50	-	44.5	49.5	54.5	59.5	64.5	74.5	84.5	94.5								
63	-	47	52	57	62	67	77	87	97								
80	-	56	61	66	71	76	86	96	106								
100	-	66	71	76	81	86	96	106	116								

CILINDRI A CORSA BREVE - caratteristiche tecniche -

FDR / P (NON MAGNETICO)

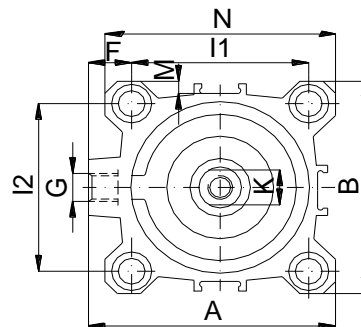
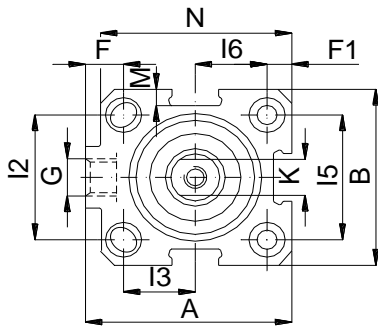
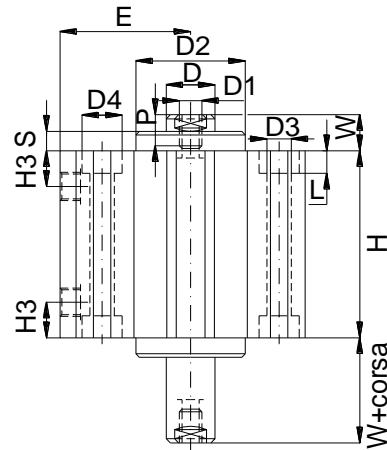
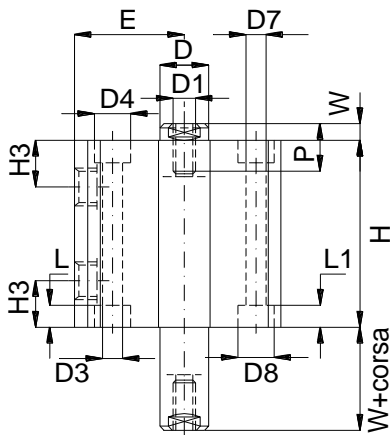
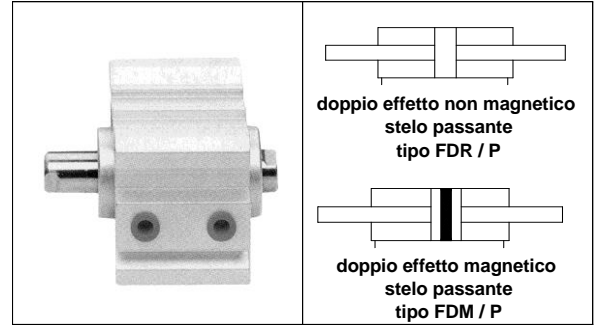
- CILINDRO A DOPPIO EFFETTO - STELO PASSANTE

FDM / P (MAGNETICO)

- CILINDRO A DOPPIO EFFETTO - STELO PASSANTE

Esempio di ordinazione

FDM 32 / 50 / P = cilindro c. breve doppio effetto, magnetico, ales. 32 corsa 50 stelo passante



Ø 16 - 20 - 25

Ø 32 - 40 - 50 - 63 - 80 - 100

Ø cilindro	A mm	B mm	D mm	D1 mm	D2 mm	D3 mm	D4 mm	D7 mm	D8 mm	E mm	F mm	F1 mm	G mm	H3 mm	I1 mm	I2 mm	I3 mm	I5 mm	I6 mm	K mm	L mm	L1 mm	M mm	N mm	P mm	S mm	W mm
16	34	30	8	M4	-	4.7	7.5	3.7	5.6	19	7	5	M5	8	-	18	12	20	10	6	4.6	3.5	4	32	8	-	4.5
20	40	36	10	M5	-	5.8	9	5.8	9	22	7	5.2	M5	8	-	20	15	25.5	12.7	8	5.7	5.7	5.7	38.5	10	-	4.5
25	44.5	40	10	M5	-	5.8	9	5.8	9	24.5	9	6	1/8"	10.5	-	26	15.5	28	14	8	5.7	5.7	4.5	42	10	-	5.5
32	51	46	12	M6	24.5	5.8	9	-	-	27	9	-	1/8"	11.5	36	32	-	-	10	5.7	-	4	48	12	5	11	
40	58	55	12	M6	28	5.8	9	-	-	30.5	9.5	-	1/8"	11	42	42	-	-	10	5.7	-	4	55	12	6	12.5	
50	70	65	16	M8	34	6.8	11	-	-	37.5	12.5	-	1/8"	11.5	50	50	-	-	13	6.8	-	4	65	12	6	13.5	
63	68	80	16	M8	38.5	9	14	-	-	46	15	-	1/8"	11	62	62	-	-	13	8.8	-	5	80	14	8	15	
80	105	100	20	M10	44	9	14	-	-	55	14	-	1/4"	14	82	82	-	-	17	9	-	6	100	15	10	18	
100	131	124	25	M12	56	11	17.2	-	-	69	17.5	-	1/4"	16	103	103	-	-	22	11	-	7.5	124	20	10	20.5	

Ø cilindro	mod. FDR-P e FDM-P quota " H " per le seguenti corse:														
	5	10	15	20	25	30	40	50	60	80	100	125	160	200	250
16	37	42	47	52	63	68	78	88	98	118	138	-	-	-	-
20	37	42	47	52	63	68	78	88	98	118	138	163	-	-	-
25	43.5	48.5	53.5	58.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	-	-	-
32	44.5	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	199.5	-	-
40	44.5	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	199.5	-	-
50	-	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	199.5	239.5	-
63	-	52	57	62	67	72	82	92	102	122	142	167	202	242	-
80	-	56	61	66	71	76	86	96	106	126	146	171	206	246	296
100	-	66	71	76	81	86	96	106	116	136	156	181	216	256	306

CILINDRI A CORSA BREVE - caratteristiche tecniche -

FDRA (NON MAGNETICO)

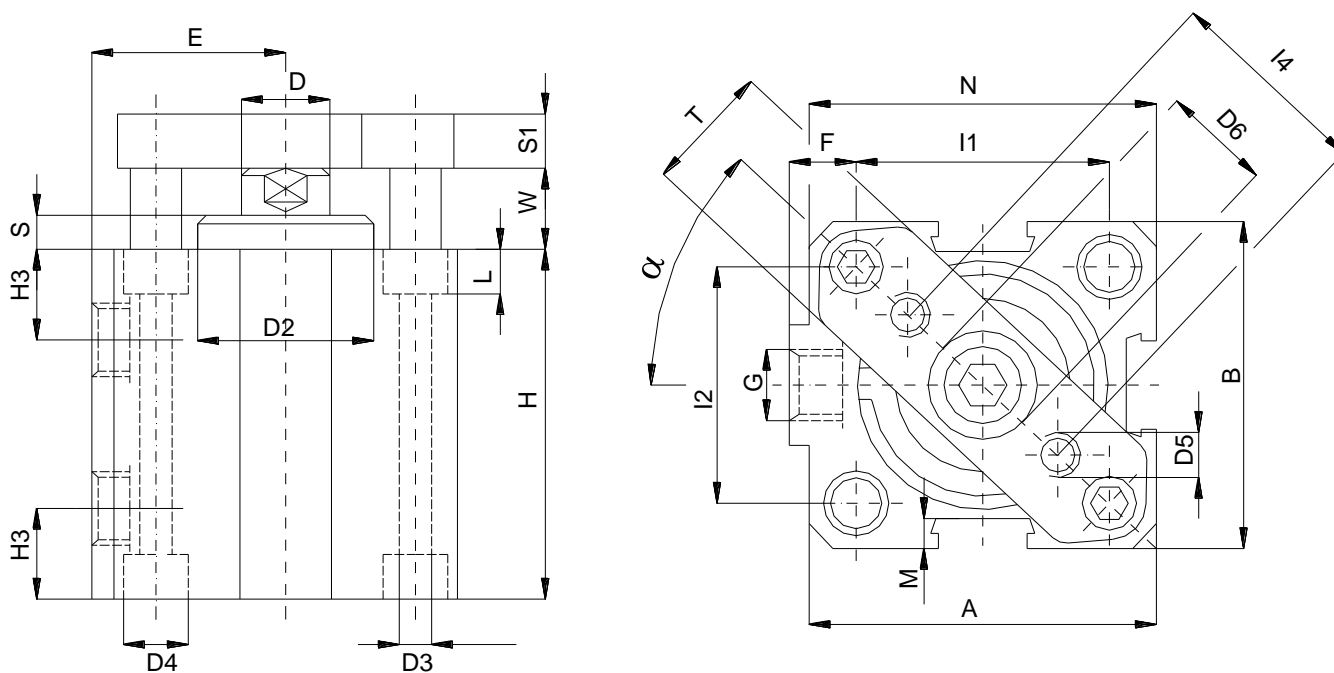
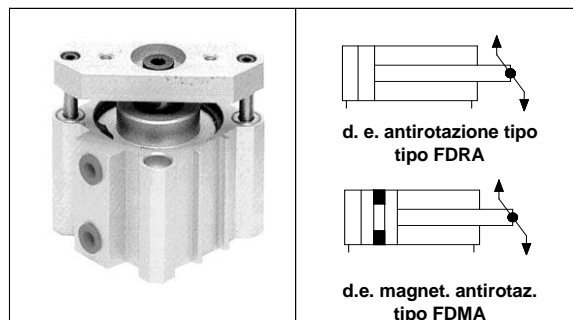
- CILINDRO A DOPPIO EFFETTO - ANTIROTAZIONE

FDMA (MAGNETICO)

- CILINDRO A DOPPIO EFFETTO - ANTIROTAZIONE

Esempio di ordinazione

FDMA 32 / 50 = cilindro c. breve doppio effetto, magnetico, ales. 32 corsa 50 stelo antirotazione

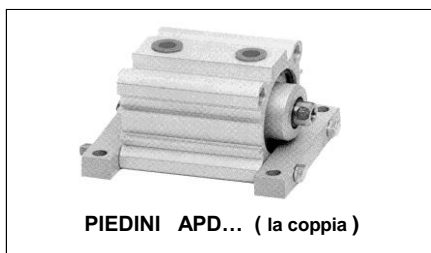


tipo	A	B	α	D	D2	D3	D4	D5	D6	E	F	G	H3	I1	I2	I4	L	M	N	S	S1	T	W
	mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
FDRA20 - FDMA20	40	36	45°	10	-	5.8	9.2	M4	11	22	9.3	M5	8	25.5	25.5	20	5.7	5.7	38.5	-	8	15	4.5
FDRA25 - FDMA25	44.5	40	45°	10	-	5.8	9.2	M4	11	24.5	10.5	1/8"	11	28	28	22	5.7	4.5	42	-	8	15	5.5
FDRA32 - FDMA32	51	46	41.5°	12	24.5	5.8	9.2	M5	17	27	9	1/8"	11.5	36	32	28	5.7	4	48	5	10	20	11
FDRA40 - FDMA40	58	55	45°	12	28	5.8	9.2	M5	17	30.5	9.5	1/8"	11.5	42	42	33	5.7	4	55	6	10	20	12.5
FDRA50 - FDMA50	70	65	45°	16	34	6.8	11	M6	22	37.5	12.5	1/8"	11.5	50	50	42	6.8	4	65	6	12	30	13.5
FDRA63 - FDMA63	86	80	45°	16	38.5	9	14	M6	22	46	15	1/8"	12	62	62	50	8.8	5	80	8	12	30	15
FDRA80 - FDMA80	105	100	45°	20	44	9	14	M8	28	55	14	1/4"	14	82	82	65	9	6	100	10	14	50	18
FDRA100 - FDMA100	131	124	45°	25	56	11	17.2	M10	30	69	17.5	1/4"	16	103	103	80	11	7.5	124	10.5	14	50	20.5

tipo	mod. FDRA e FDMA quota " H " per le seguenti corse:												
	5	10	15	20	25	30	40	50	60	80	100	125	160
FDRA20 - FDMA20	37	42	47	52	63	68	78	88	98	118	138	-	-
FDRA25 - FDMA25	43.5	48.5	53.5	58.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	-	-
FDRA32 - FDMA32	44.5	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	-	-
FDRA40 - FDMA40	44.5	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	-
FDRA50 - FDMA50	-	49.5	54.5	59.5	64.5	69.5	79.5	89.5	99.5	119.5	139.5	164.5	-
FDRA63 - FDMA63	-	52	57	62	67	72	82	92	102	122	142	167	202
FDRA80 - FDMA80	-	56	61	66	71	76	86	96	106	126	146	171	206
FDRA100 - FDMA100	-	66	71	76	81	86	96	106	116	136	156	181	216

CILINDRI A CORSA BREVE - accessori per FD.../ FDM... -

PIEDINI (LA COPPIA)

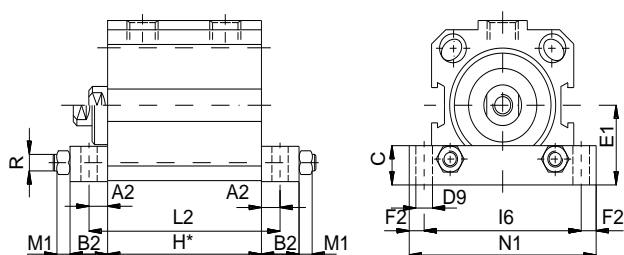


N.B. NON SONO COMPRESI I DADI ED I TIRANTI PER IL FISSAGGIO DEI PIEDINI AL CILINDRO IN QUANTO VARIANO IN FUNZIONE DELLA CORSA.

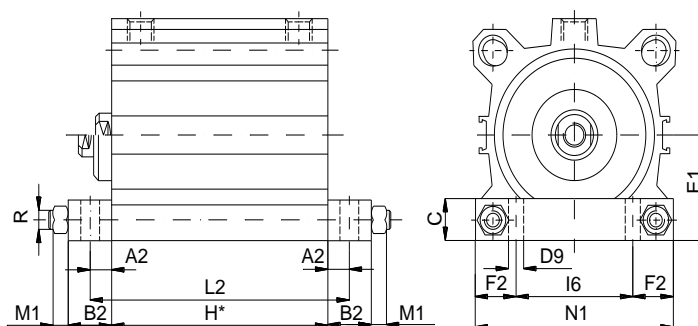
CODICE	A2 mm	B2 mm	C mm	D9 mm	E1 mm	F2 mm	I6 mm	L2 mm	M8 mm	N1 mm	R
APD16	5	10	10	3.5	17	5	30	H*+10	2.5	40	M3
APD20	5	10	10	5.5	18	5	40	H*+10	4	50	M5
APD25	6	12	12	5.5	20	7.5	45	H*+12	4	60	M5
APD32	6	12	12	5.5	24	5	50	H*+12	4	60	M5
APD40	6	12	12	5.5	27.5	5	60	H*+12	4	70	M5
APD50	7.5	15	15	6.5	32.5	5	70	H*+15	5	80	M6
APD63	7.5	15	15	8.5	40	7.5	85	H*+15	6.5	100	M8
APD80	10	20	20	8.5	50	20	60	H*+20	6.8	100	M8
APD100	10	20	20	10.5	62	22	80	H*+20	8	124	M10

MATERIALE: ALLUMINIO

LA QUOTA H* E' RILEVABILE DALLE PRECEDENTI TABELLE



Ø 16 - 20 - 25 - 32 - 40 - 50 - 63



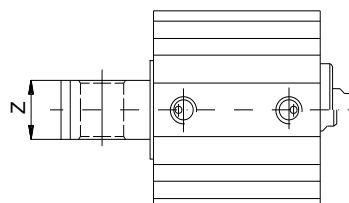
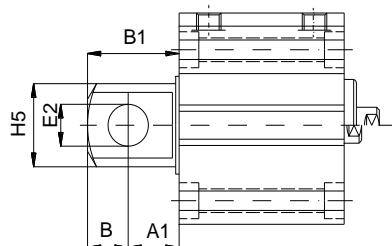
Ø 80 - 100

CERNIERA MASCHIO (specificare se deve essere montata sul cilindro)

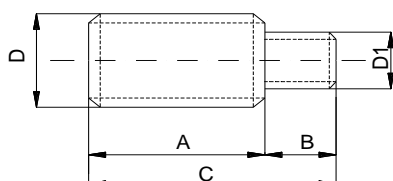


CODICE	A1 mm	B mm	E2 mm	H5 mm	Z mm	B1 mm
CP16	8	6	6	12	7	14
CP20	10	8	8	16	9	18
CP25	10	8	8	16	9	18
CP32	13	10	10	20	14	23
CP40	15	12	12	24	16	27
CP50	15	12	12	24	17	27
CP63	19	16	16	32	22	35
CP80	19	16	16	32	22	35
CP100	23	20	20	40	26	43

MATERIALE: ALLUMINIO



NIPPLI CON FILETTI A NORME ISO



CODICE	D	D1	A mm	A mm	A mm	PER CILINDRI Ø
NP6-3	6 x 1	M3	16	6.5	22.5	12
NP6-4	6 x 1	M4	15	8	23	16
NP8-5	8 x 1.25	M5	20	10	30	20 - 25
NP10-6	10 x 1.25	M6	22	12	34	32 - 40
NP12-8	12 x 1.25	M8	24	14	38	50 - 63
NP16-8	16 x 1.5	M8	32	14	46	50 - 63
NP16-10	16 x 1.5	M10	32	15	47	80
NP20-12	20 x 1.5	M12	40	20	60	100

MATERIALE: ACCIAIO

CILINDRI A CORSA BREVE - caratteristiche tecniche -

FD 125 - 160 - 200 (NON MAGNETICO)

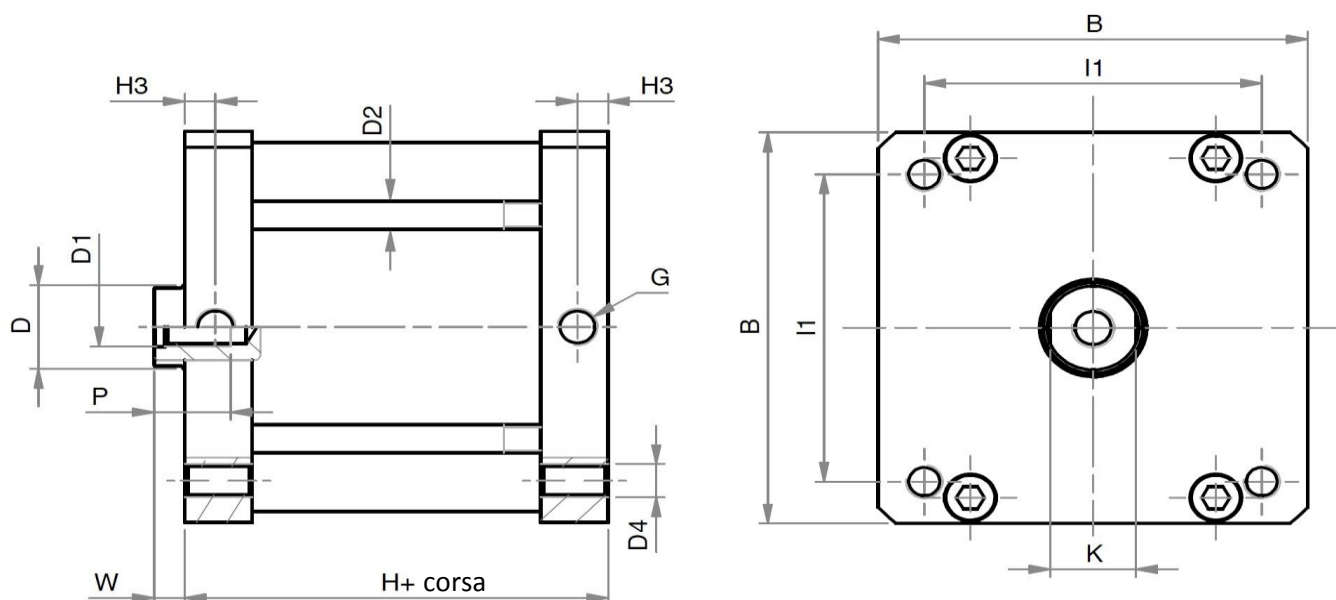
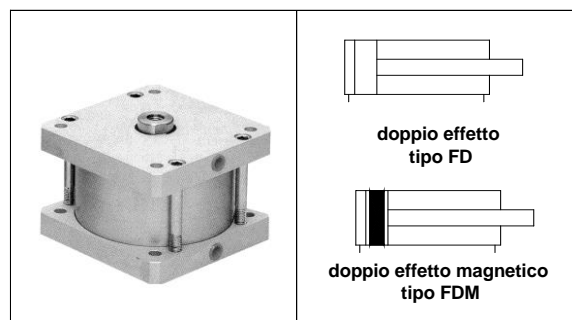
- CILINDRO A DOPPIO EFFETTO - STELO SEMPLICE

FDM 125 - 160 - 200 (MAGNETICO)

- CILINDRO A DOPPIO EFFETTO - STELO SEMPLICE

Esempio di ordinazione

FDM 125 / 50 = cilindro c. breve doppio effetto, magnetico, ales. 125 corsa 50 stelo semplice



A richiesta, fornibili secondo Direttiva 2014/34/UE - ATEX

tipo	B mm	D mm	D1 mm	D2 mm	D4 mm	F mm	G mm	H+ mm	H+ FKM mm	H3 mm	I1 mm	K mm	P mm	W mm
FD 125 - FDM 125	140	30	M14	10	M12	15	1/4"	78	83	10	110	28	25	10
FD 160 - FDM 160	180	40	M20	12	M16	20	3/8"	87	91	12	140	36	30	12
FD 200 - FDM 200	220	40	M20	14	M16	22.5	3/8"	87	105	12	175	36	30	12
FD 250 - FDM 250	270	40	M24	16	M20	25	1/2"	116	116	15	220	36	35	12

N.B. PARACOLPO ELASTICO DIRETTAMENTE MONTATO SULLA TESTATA

A richiesta fornibili le seguenti versioni:

- con filetto stelo maschio
- con tutte le guarnizioni in FKM (V)
- con guarnizione tenuta stelo in FKM (V1)