Compact cylinders Series 32
Tandem and multi-position versions

Double-acting, magnetic
ø 25, 40, 63, 100 mm

- In compliance with ISO 21287
- Compact design
- Wide range of models available in different diameters

The extreme compact Tandem version allows to obtain up to 2 times the force of a normal cylinder, while the multi-position version allows to obtain up to three positions with only one cylinder.

The cylinder Series 32 Tandem and multi-position versions are, thanks to their compactness, suitable to be installed within confined spaces.
They can be used in conjunction with the same mounting elements of other standard cylinders DIN/ISO 6431/VDMA 24562 (Series 60/61).

GENERAL DATA

Construction	compact profile
Operation	double-acting, magnetic
Material	body and end-blocks = anodized AL rod = rolled stainless steel AISI 303 piston = anodized AL rod seal, OR end-block and piston seal = PU
Mounting	with threaded holes on the end blocks flange – feet – trunnion
Strokes min. and max. (1) **Multiposition**	Series 32F, 32M Ø 25 = 5-300 mm (dimension x2) Series 32F, 32M Ø 40 - 63 = 5-400 mm (dimension x2) Series 32F, 32M Ø 100 = 5-500 mm (dimension x2)
Strokes min. and max. (1) **Tandem**	Series 32F, 32M Ø 25 = 5-80 mm Series 32F, 32M Ø 40 - 63 - 100 = 5-100 mm
Operating temperature	0°C ÷ 80°C (with dry air -20°C)
Operating pressure	1 ÷ 10 bar
Fluid	clean air, without lubrication. If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted.
Operating speed	10 ÷ 1000 mm\sec (without load)

(1) the minimum stroke for the use of the sensors is 10 mm.

1
MOVEMENT

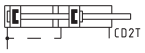
CODING EXAMPLE

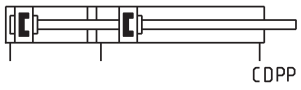
32	M	2	A	040	A	050	N	2

32	SERIES compact magnetic	
M	VERSION M = male rod thread F = female rod thread	
2	OPERATION 2 = double-acting	PNEUMATIC SYMBOLS CD2T - CDPP
A	MATERIALS A = anodized aluminium body, end blocks and piston - PU seals (rod - OR end block and piston)	
040	BORE 025 = 25 mm - 040 = 40 mm - 063 = 63 mm - 100 = 100 mm	
A	CONSTRUCTION A = standard	
050	STROKE - tandem stroke in mm - multi-position X1mm/X2mm. Insert the strokes without the initial 0 (see application scheme).	
N	Tandem and multi-position	
2	STAGES (for tandem version only) 2 = 2 stages	

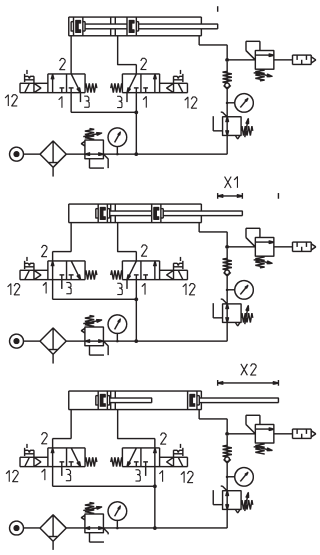
PNEUMATIC SYMBOLS

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.

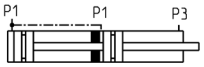




Operation scheme



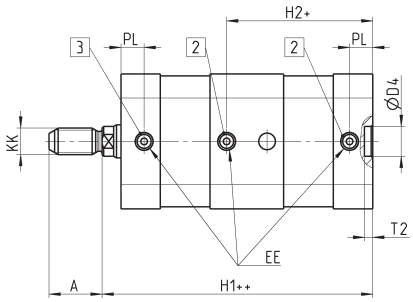
Multi-position
Example: 32M2A040A25/75N
X1 = 25 mm
X2 = 75 mm

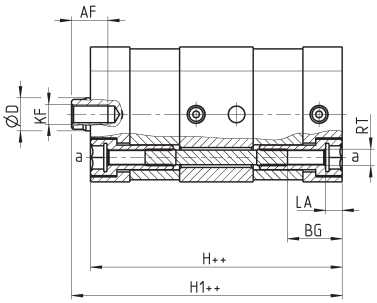


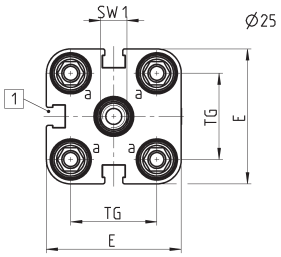
Tandem
Example: 32M2A040A050N2
Stroke = 50 mm

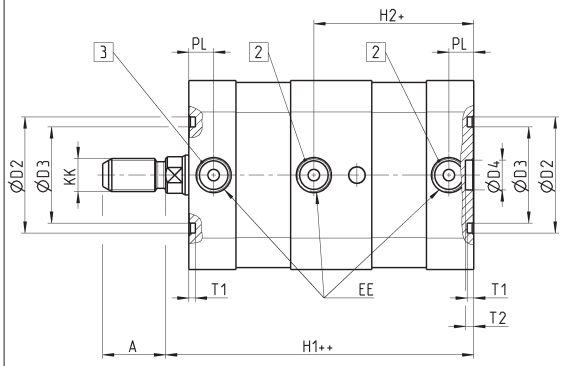
Tandem cylinders Mod. 32F2A/32M2A...N2

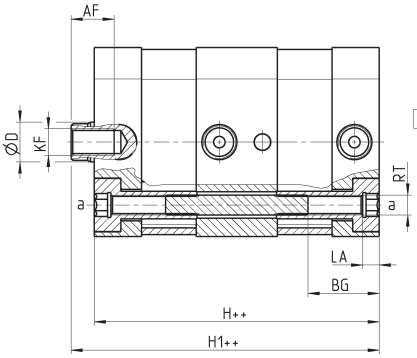
+ = add the stroke
++ = add the stroke two times
1 = Groove for sensor
2 = Positive stroke
3 = Negative stroke

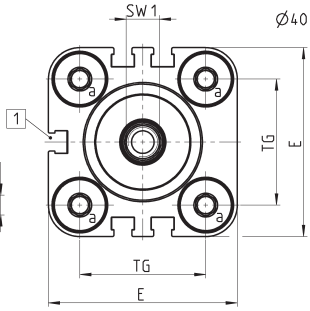




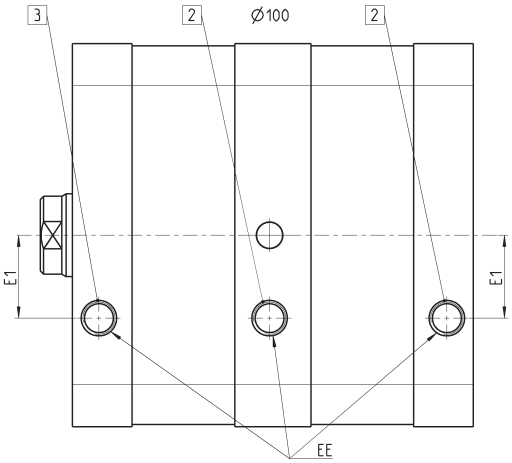


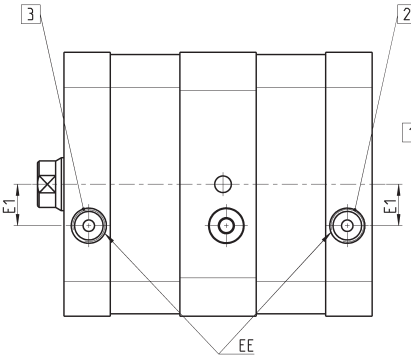


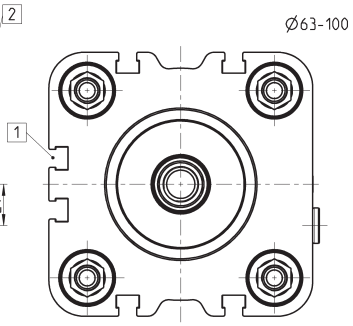




Ø63







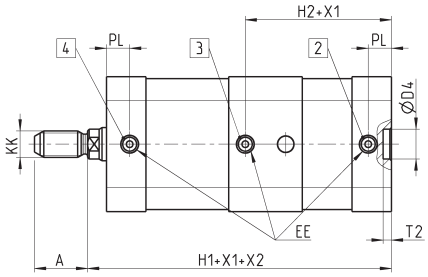
DIMENSIONS

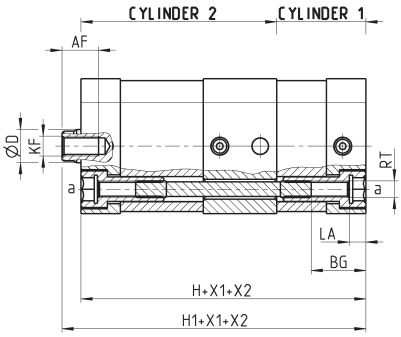
Ø	A	AF	BG	ØD	ØD2	ØD3	ØD4	E	EE	E1	H	H1	H2	KF	KK	LA	PL	RT	SW1	T1	T2	TG
25	16	11	16,5	10	-	-	9	40,7	M5	-	76	81,7	44	M6	M8X1,25	5	7	M5	8	-	2,5	26
40	19	13	21,5	12	35	29	9	57	G1/8	-	86	93	48,2	M8	M10X1,25	5	7,6	M6	10	2	2,5	38
63	22	16	18,5	16	45	39	12	79,6	G1/8	12'5	93	101	-	M10	M12X1,25	6	7,6	M8	13	2	3	56,5
100	28	20	20	25	55	49	12	115,6	G1/8	25	121	130,7	-	M12	M16X1,5	6	8	M10	22	2	3	89

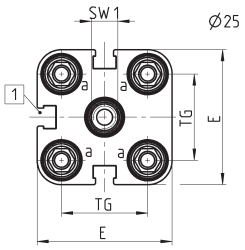
Multi-position cylinders Mod. 32F2A/32M2A...X1/X2N

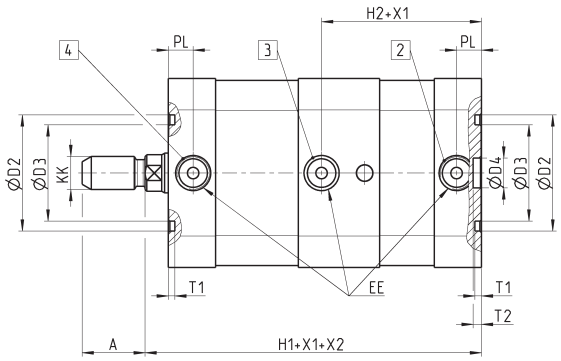
1 = Groove for sensor
2 = Positive stroke cylinder 1
3 = Positive stroke cylinder 2
4 = Negative stroke for both cylinders

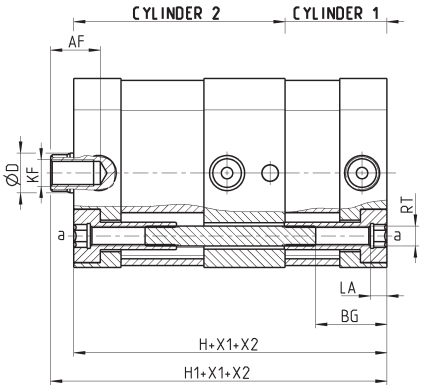
X1 = Partial stroke
X2 = Total stroke as operation scheme pag. 1.1.31.2

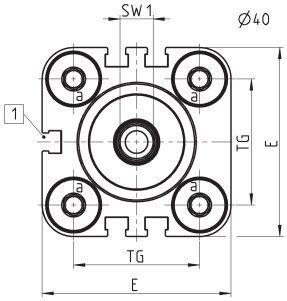


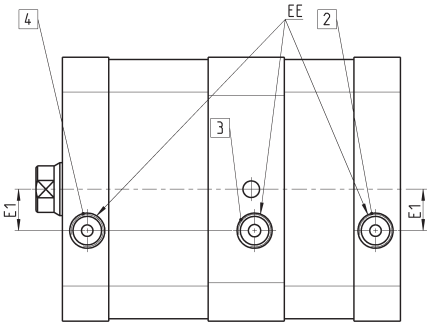


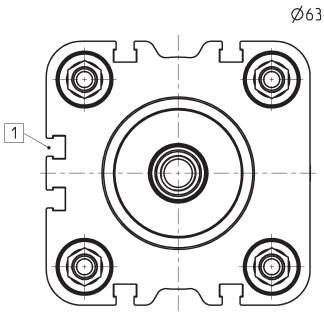












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100	28	20	20	25	55	49	12	115,6	G1/8	25	121	130,7	60,5	M12	M16X1,5	6	8	M10	22	2	3	89