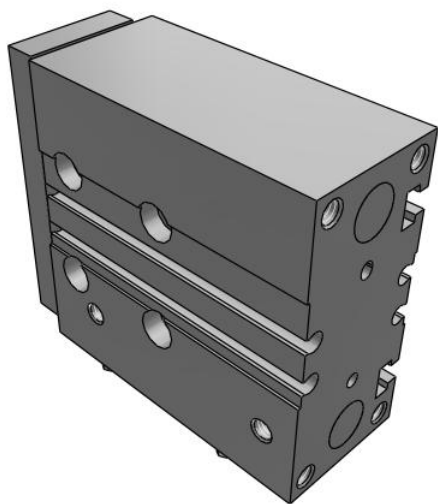




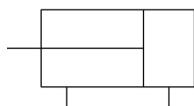
MGP-XB24, Longer Life Compact Guide Cylinder

MGPM16-30Z-XB24

Datasheet

General series information

- High durability
- Bore sizes (mm): 12, 16, 20, 25, 32, 40
- Strokes up to 200 mm.



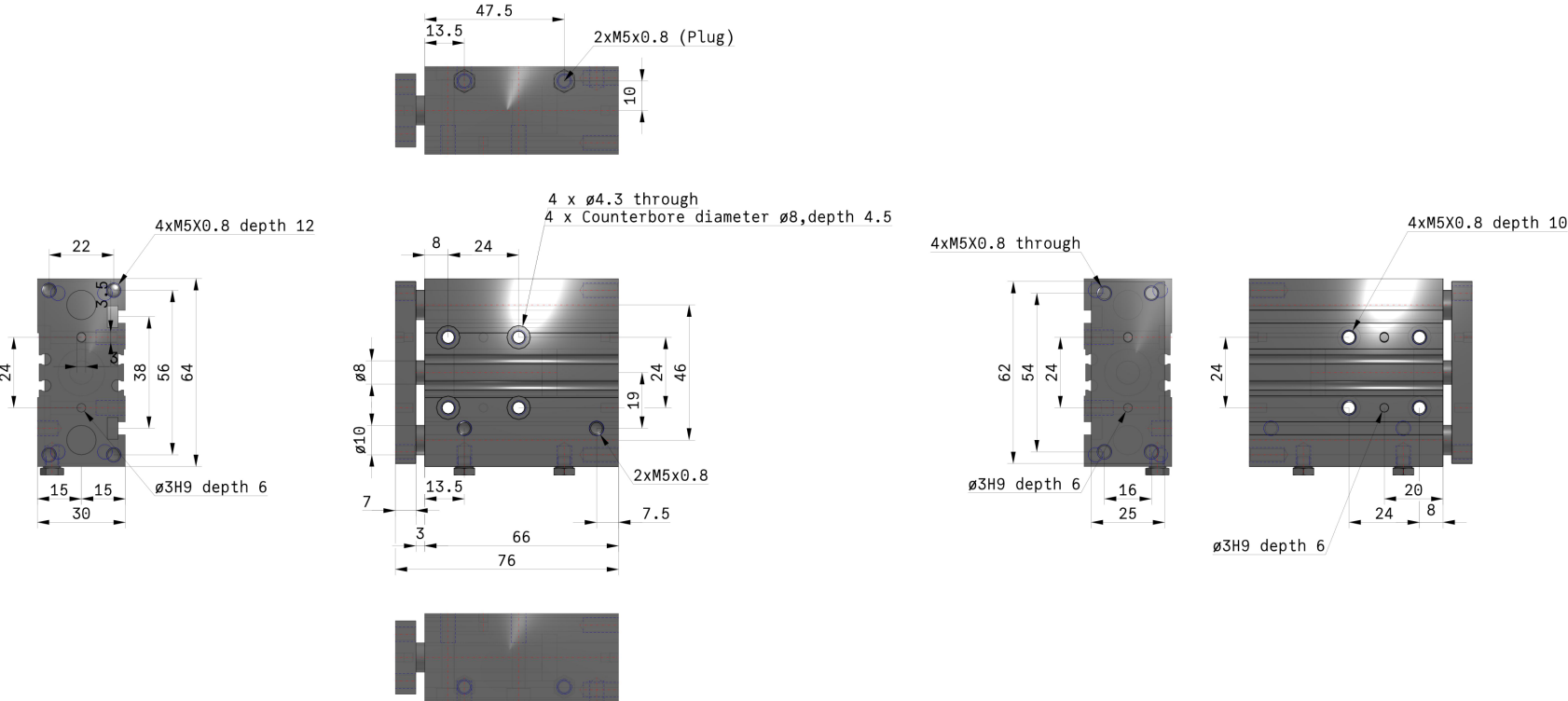
Double-acting, single-rod cylinder

Standard specifications

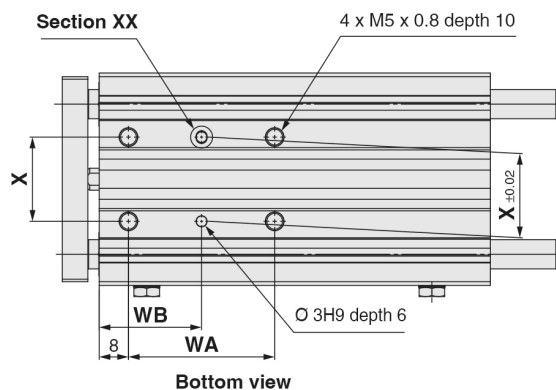
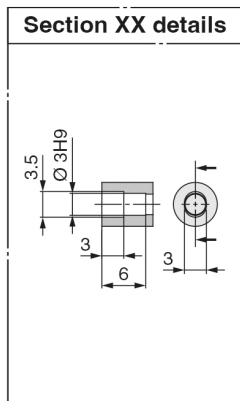
Bore Size	Ø16 mm
Number of Auto Switches	2 pcs. (Or None in Case of No Switch)
Stroke	30 mm
Port Thread	Rc (or M5 x 0.8 for 12, 16 Bores)
Bearing Type	M (Slide Bearing)
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Auto Switch	No Switch
Pressure medium	Compressed air
Maximum temperature of pressure medium	60 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-10 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.12 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-10 °C
Minimum ambient temperature with magnet	-10 °C
Number of pneumatic connections	2 pcs.

Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	101 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	75 N
Maximum piston speed	500 mm/s
Type of cushioning	Rubber bumper on both ends
Subfamily	MGPM, Compact Guide Cylinder, Slide Bearing
Minimum piston speed	50 mm/s
Lubrication	Non-lube
Stroke length tolerance	+1.5 0 mm

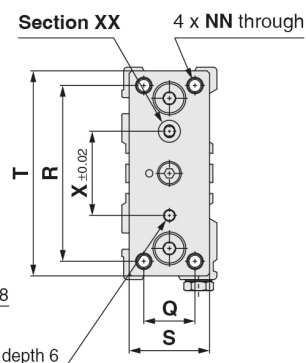
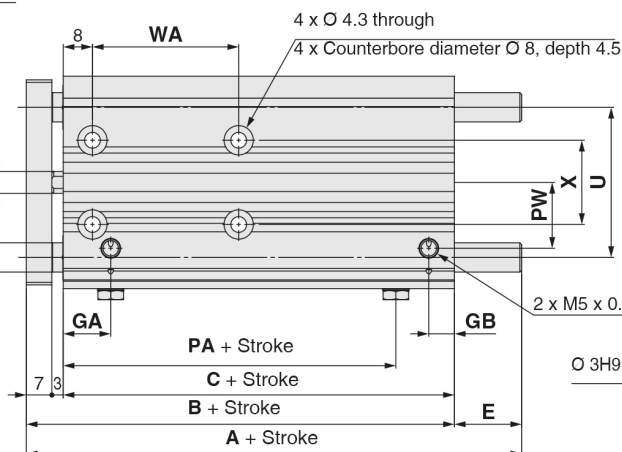
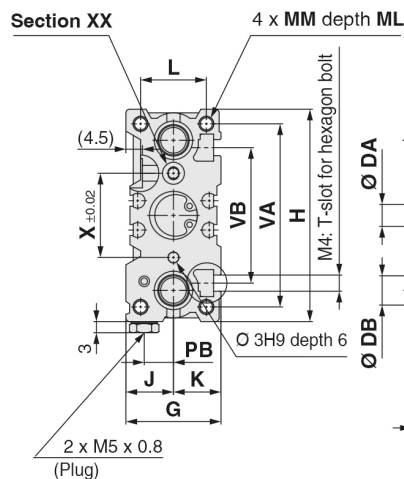
Dimensions



Constructions



T-slot dimensions					
[mm]					
Bore size [mm]	a	b	c	d	e
12	4.4	7.4	3.7	2	6.2
16	4.4	7.4	3.7	2.5	6.7



Bore size [mm]	Standard stroke [mm]	A			B	C	DA	DB	E			G	GA	GB	H	J
		10 to 50 st	75, 100 st	125, 150 st					10 to 50 st	75, 100 st	125, 150 st					
12	10, 20, 30, 40, 50,	42	60.5	82.5	42	32	6	8	0	18.5	40.5	26	13	7	58	13
16	75, 100, 125, 150	46	64.5	92.5	46	36	8	10	0	18.5	46.5	30	13.5	7.5	64	15

Bore size [mm]	K	L	MM	ML	NN	PA	PB	PW	Q	R	S	T	U	VA	VB	WA		
																10 to 30 st	40 to 100 st	125, 150 st
12	13	18	M4 x 0.7	10	M4 x 0.7	16	8	18	14	48	22	56	41	50	37	20	40	110
16	15	22	M5 x 0.8	12	M5 x 0.8	17.5	10	19	16	54	25	62	46	56	38	24	44	110

Bore size [mm]	WB			X
	10 to 30 st	40 to 100 st	125, 150 st	
12	18	28	63	23
16	20	30	63	24

Additional information

Catalogue

[MGP-XB24-A_EU.pdf](#)

Operation manuals

[OM_MGP-Z_MGPx-OM0047PEN-B.pdf](#)