

■ Features

1. High precise linear guiding rail provides low friction and quick response.
2. Integration of guiding rail and cylinder body for space saving.
3. Position port on slide table ensures high precise placement for repeated mounting.
4. Left or right slide type for selection.
5. Stroke adjustable screw and shock absorber are optional accessories.



■ How to order

MCFR	10	B50	A	SR	D	1
Type	Bore size	Stroke	Cushion	Sensor	Type	Number of sensor
MCFR: Right slide MCFL: Left slide	10: Ø10 16: Ø16	Ø10: 30, 50 Ø16: 30, 50, 75, 100	Blank: W/O cushion A: Stroke adjuster on both ends AS: Stroke adjuster on front end AF: Stroke adjuster on rear end B: Shock absorber on both ends BS: Shock absorber on front end BF: Shock absorber on rear end	Black: W/O sensor SR: Round type SU: Square type	Blank: Reed switch D: NPN E: PNP	1 pc 2 pcs

*Sensor please refer to P3-191, P3-193

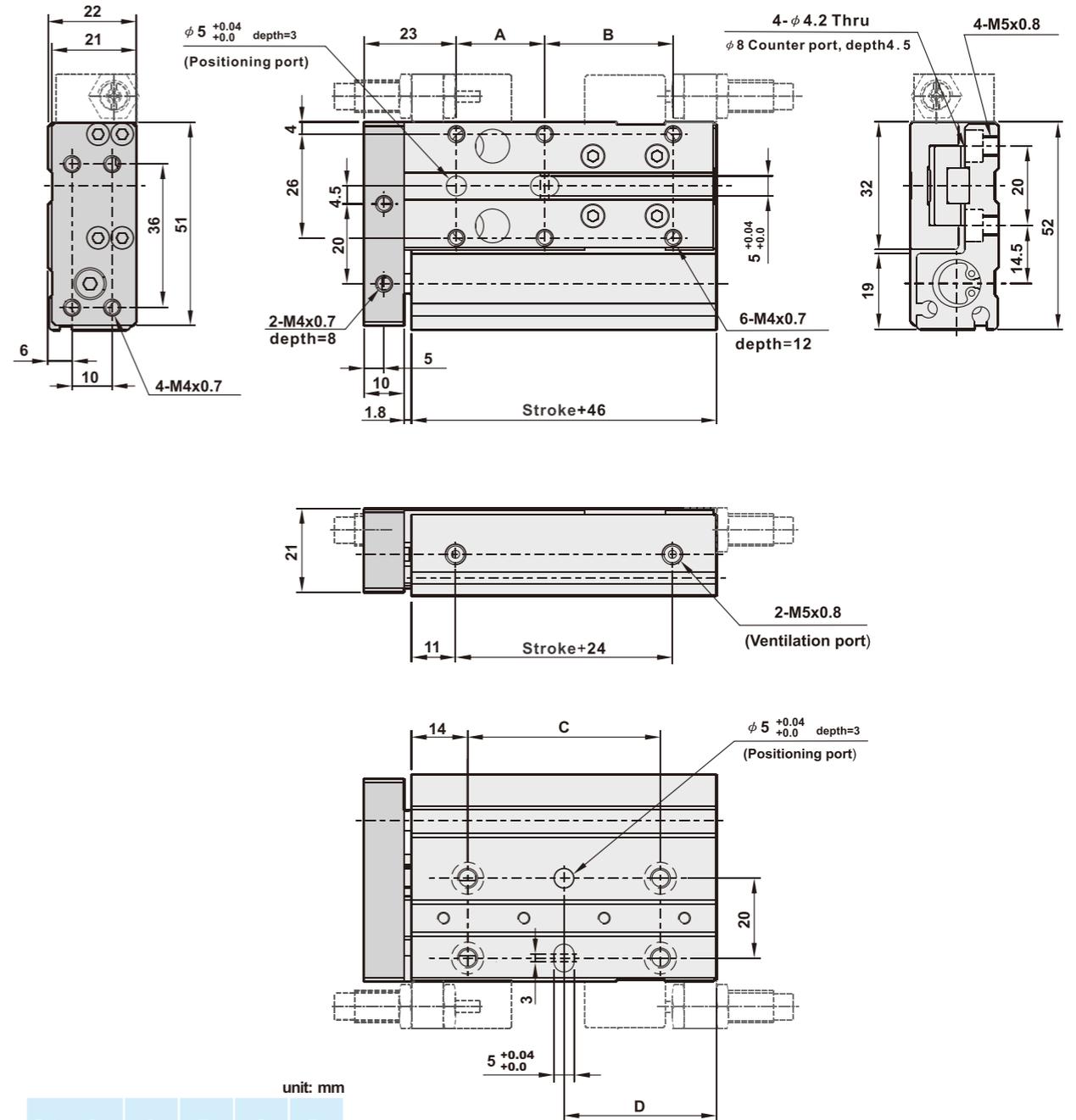
*Please refer to P6-22 "SHOCK ABSORBER" for specification of shock absorber Ø10: DA0806-NC, Ø16: DA1008-NC

■ Specifications

Bore size	Ø10	Ø16
Port size	M5xP0.8	
Fluid	Compressed air (lubrication free)	
Acting	Double acting	
Operating pressure range	1.5 ~ 9 kgf/cm ²	
Proof pressure	10 kgf/cm ²	
Stroke adjustable range	0 ~ 10mm	
Magnet	Built-in	
Cushion	Rubber	
Ambient temperature	-5°C ~ 60°C (Unfrozen)	
Piston speed mm/Sec	50 ~ 500	

■ Dimensions

MCFR(L)10

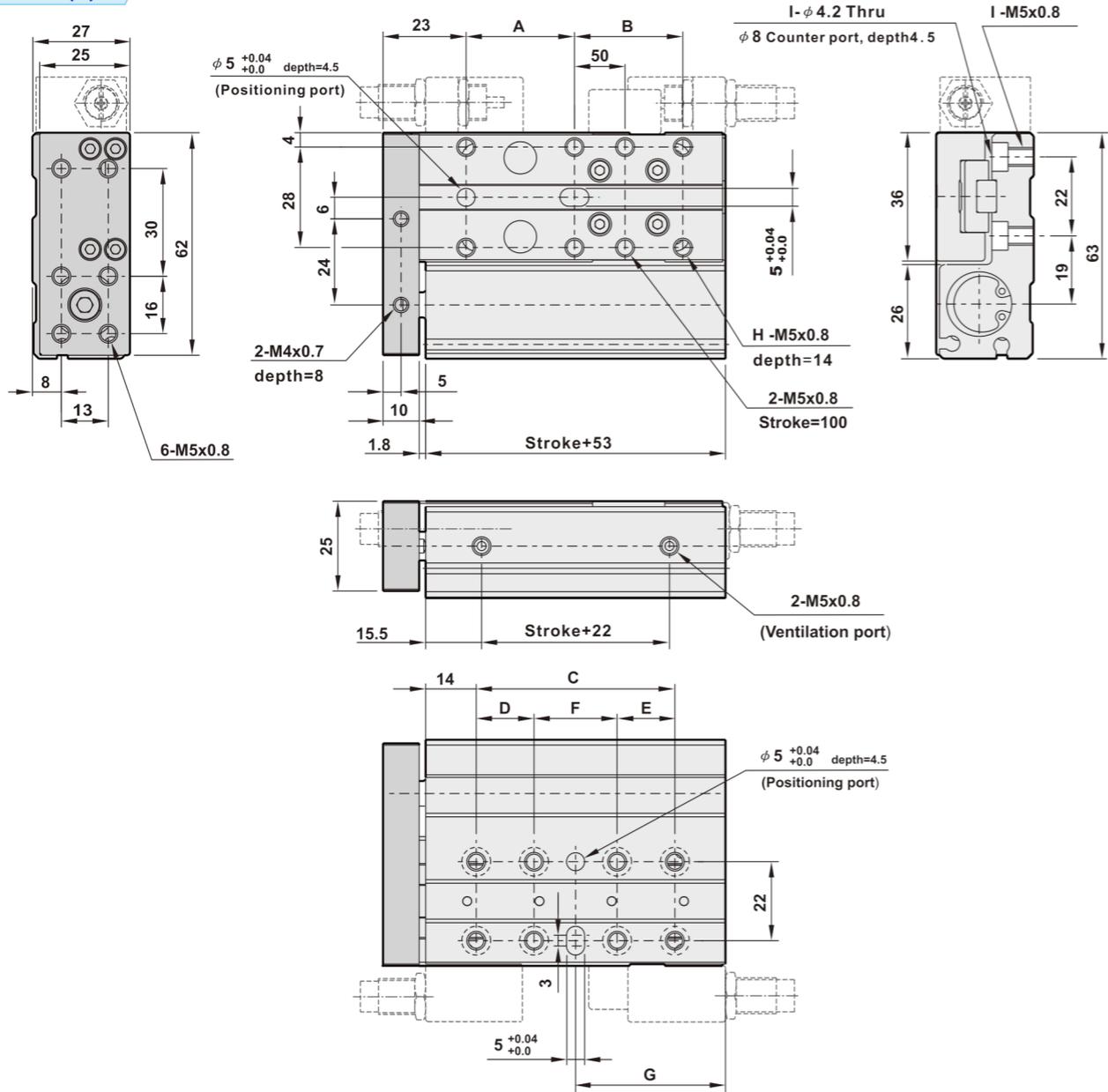


unit: mm

Stroke	A	B	C	D
30	22	32	48	38
50	32	42	68	48

Dimensions

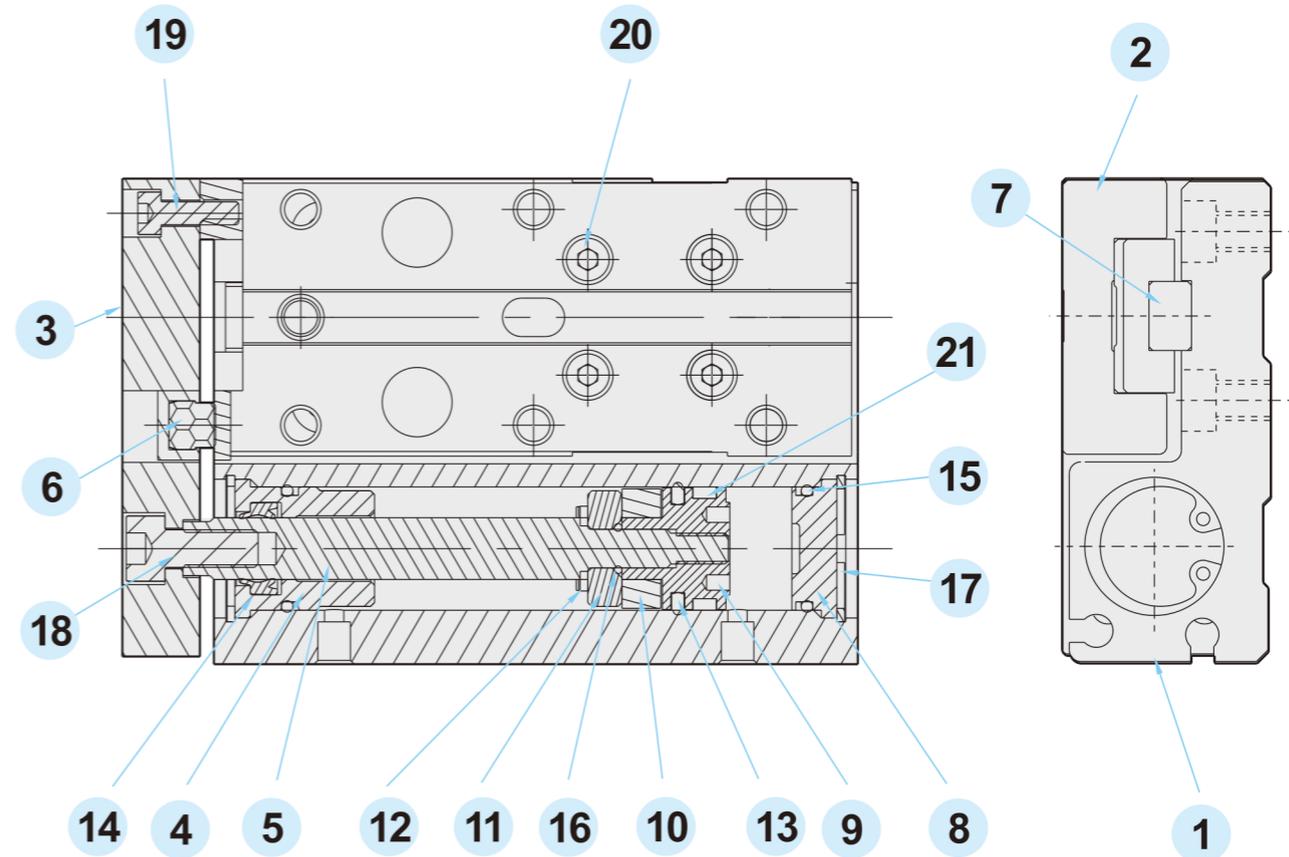
MCFR(L)16



unit: mm

Stroke	A	B	C	D	E	F	G	H	I
30	30	30	55	---	---	---	41.5	6	4
50	50	30	75	---	---	---	51.5	6	4
75	50	55	100	32	32	36	64	6	8
100	50	80	125	45	40	40	76.5	8	8

Material of parts



No.	Description	Material	Qty.	No.	Description	Material	Qty.
1	Body	Aluminum alloy	1	12	Cushion pad	NBR	1
2	Slide table	Aluminum alloy	1	13	U-Piston seal	NBR	1
3	Front plate	Aluminum alloy	1	14	Rod seal	NBR	1
4	Front cover	Aluminum alloy	1	15	O-ring 1	NBR	2
5	Piston rod	S45C+Cr	1	16	O-ring 2	NBR	1
6	Front plate cushion pad	NBR	1	17	C type clip	Fe+Ni	2
7	Mini linear rail	Bearing steel	1	18	Hex. Fixing bolt 1	Fe+Ni	1
8	Rear cover	Aluminum alloy	1	19	Hex. Fixing bolt 2	Fe+Ni	4
9	Piston A	Aluminum alloy	1	20	Hex. Fixing bolt 3	Fe+Ni	8
10	Magnet	Rubber	1	21	Wear ring	Plastic	1
11	Piston B	Aluminum alloy	1				

