

Features

- Locking unit is a mechanical device to apply to cylinders ISO 15552 and 6432 VDMA whose scope is to block cylinder's rod in any position. This solution allows to block the race of the cylinder anytime takes place an unexpected fall of pressure.
- The blocking force is always and however greater of the one developed from the respective cylinder at 10 kgf/cm².

Specification

Model	MCB									
Tube I.D. (mm)	20	25	32	40	50	63	80	100	125	
Rod diameter (mm)	8	10	12	16	20	20	25	25	32	
Medium	Air									
Operating pressure range	0,3~0,6 MPa									
Proof pressure	1,5 MPa									
Ambient temperature	-5~ +80°C (No freezing)									
Min. working pressure	0,3 MPa									
Locking mode	Secure locking of piston rod in any position									
Lock retention forces (N) Max. static loading— Horizontal mounting	490	490	790	1240	1930	3060	5400	7700	12040	

Order example

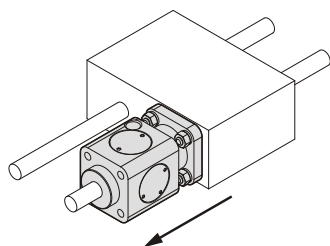
MCB — 40

MODEL

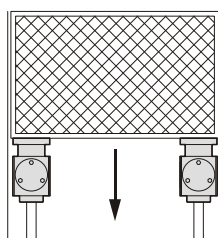
TUBE I.D.

Other examples of locking unit applications

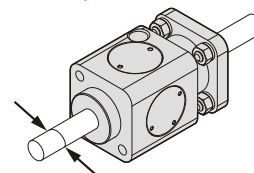
For slides



For piling



Chromium-plated shaft

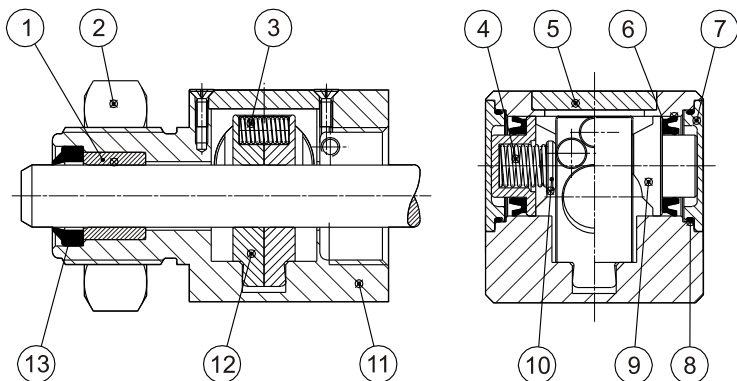


Tolerance	f7
Rod diameter	8,10,12,16,20,25,32

LOCKING UNIT

Attention

- Locking unit functioning is static type (cylinder's rod stopped).
- Before using the brake, take care to stop cylinder's rod.

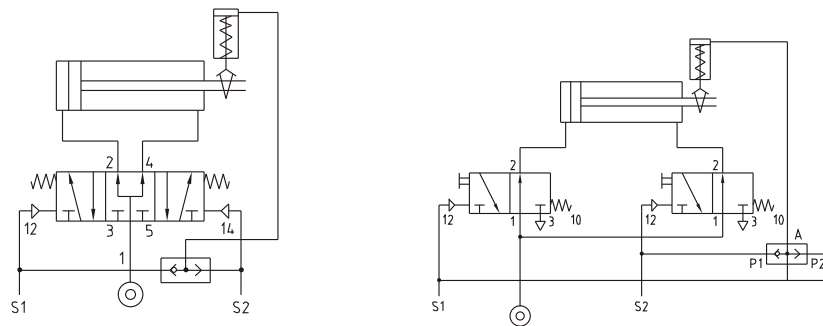


Material

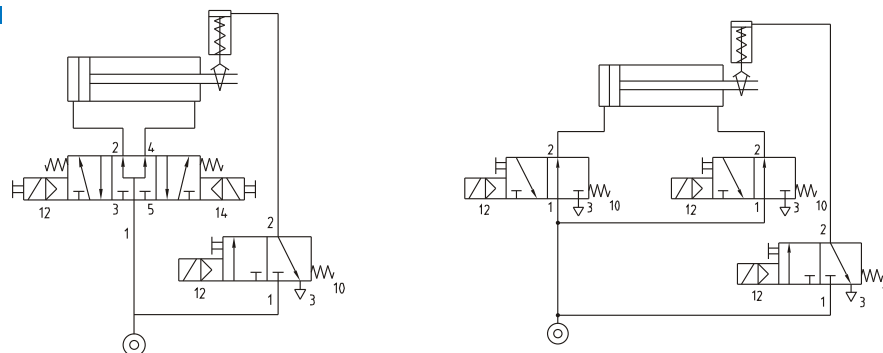
No.	Part name	Material
1	Guida bush	Iglidur
2	Nut	Steel
3	Spring	Steel
4	Spring	Steel
5	Superior cover	Aluminum alloy
6	Seal piston	NBR
7	Lateral cover	Aluminum alloy
8	O-ring	NBR
9	Piston	Delrin
10	Spring cover	Delrin
11	Body	Aluminum alloy
12	Jaws	Bronze
13	Rod seal	NBR

Connection scheme

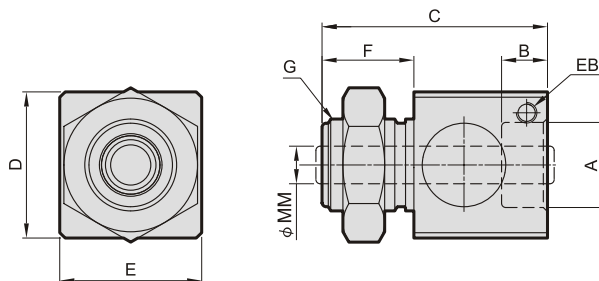
Pneumatic control



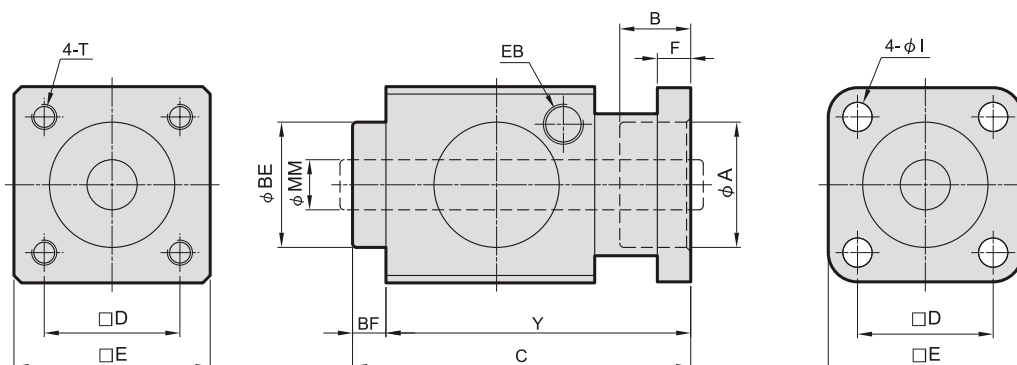
Electropneumatic control



LOCKING UNIT



Code Tube I.D.	A	B	C	D	E	EB	F	G	MM	Weight (kg)
20	M22×1.5	11	54	35	34	M5	22	M22×1.5	8	0.19
25	M22×1.5	11	54	35	34	M5	22	M22×1.5	10	0.19



Code Tube I.D.	A	B	BE	BF	C	D	E	F	EB	I	MM	T	Y	Weight (kg)
32	30.5	19.5	30	7.5	67.5	32.5	47	6	G 1/8	6.5	12	M6×8L	60	0.4
40	35.5	22.5	34.9	10	80	38	54	6	G 1/8	6.5	16	M6×8L	70	0.6
50	40.5	29	40	10	100	46.5	65	8	G 1/8	9	20	M8×12L	90	1.1
63	45.5	29	45	10	100	56.5	75	8	G 1/8	9	20	M8×12L	90	1.5
80	45.5	37	45	10	120	72	95	12	G 1/4	11	25	M10×16L	110	2.6
100	55.5	39	55	10	120	89	114	12	G 1/4	11	25	M10×16L	110	3.5
125	60.5	51.5	60	16	156	110	138	20	G 1/4	13	32	M12×20L	140	6.5