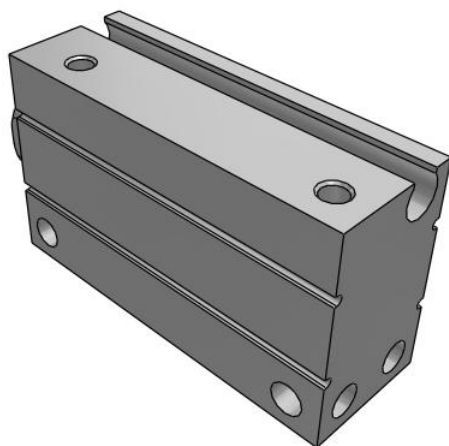




C(D)UJ, Miniature Free Mount Cylinder

CDUJB10-20D

Datasheet

General series information

- Miniature free mount
- Space saving compact cylinder
- Available in 4mm to 20mm bore size.

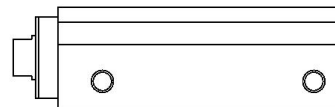
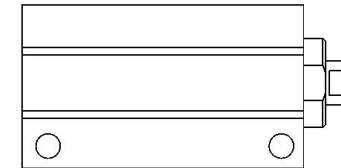
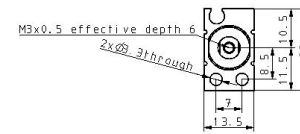
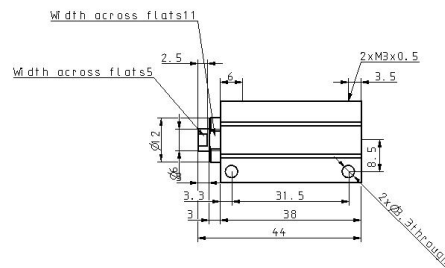
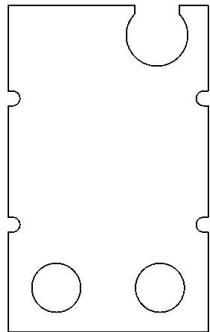


Double-acting, single-rod cylinder

Standard specifications

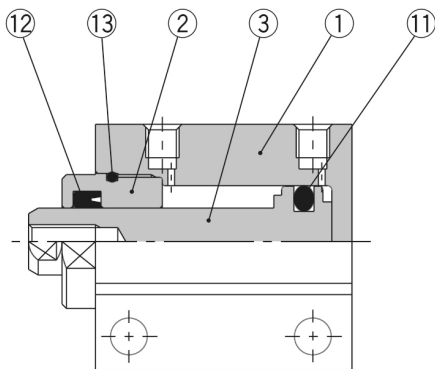
Clean Series	Without Clean Series
Magnet	D (Built-in Magnet)
Mounting Direction	B (Lateral Mounting)
Bore Size	10
Stroke	20 mm
Action	D (Double Acting)
Rod End Thread	Rod End Female Thread (w/o Thread for ø4)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Pressure medium	Air
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.1 MPa
Proof pressure	1.05 MPa
Theoretical cylinder force, advance stroke (at 0.5 MPa)	39.26 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	25.13 N
Female thread of rod end	Standard
Ambient and fluid temperature	-10 to 70 °C
Stroke length tolerance	0 - +0.5
F449 - Rod_end_thread_tolerance	JIS class 2

F450 - Mounting	Through-hole
Piston speed	50 - 500 mm/s
Weight	0.032 Kg

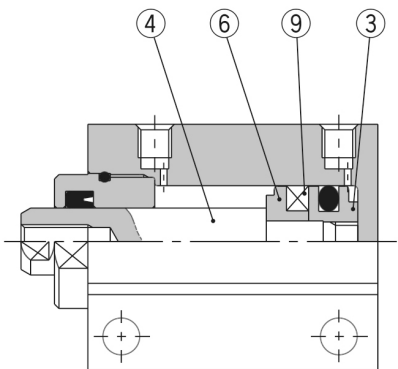


Constructions

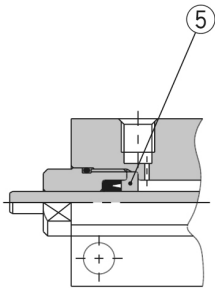
Double Acting



Without magnet



Built-in magnet



Ø 4

Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodized
2	Rod cover	Copper alloy	Electroless nickel plated
3	Piston	Without switch Stainless steel	
		With switch Aluminum alloy	Chromated
4	Piston rod	Stainless steel	
5	Seal retainer	Aluminum alloy	Chromated (CUJB4 only)
6	Magnet retainer	Aluminum alloy	Chromated
7	Return spring	Piano wire	
8	Bronze element	Sintered metallic BC	
9	Magnet	—	
10	Rod end nut	Iron	Nickel plated
11	Piston seal	NBR	
12	Rod seal	NBR	
13	Tube gasket	NBR	

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

Additional information

Catalogue

[CUJ-C_EU.pdf](#)

Operation manuals

[cuj_cuj_-om0001j.pdf](#)