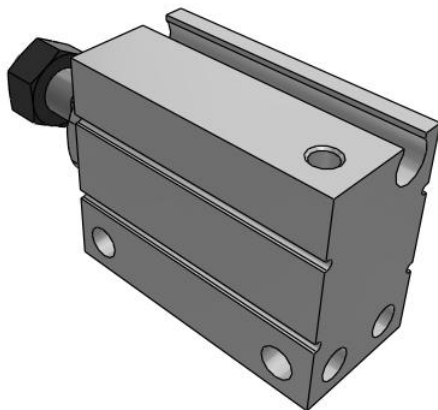




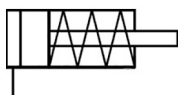
C(D)UJ, Miniature Free Mount Cylinder

CDUJB10-10SM

Datasheet

General series information

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



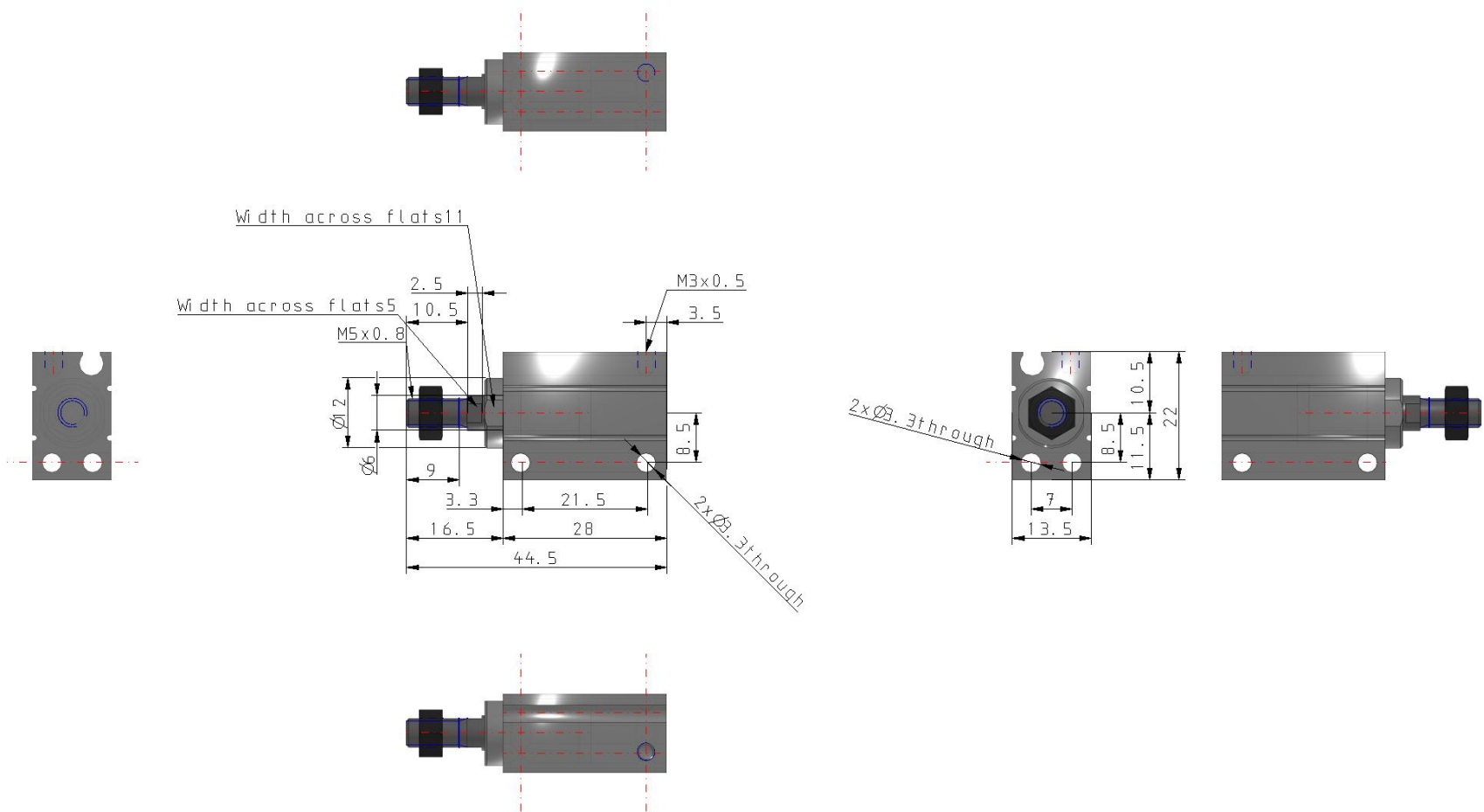
Single-acting cylinder, single piston rod, return stroke by spring

Standard specifications

Clean Series	Without Clean Series
Magnet	D (Built-in Magnet)
Mounting Direction	B (Lateral Mounting)
Bore Size	10
Stroke	10mm
Action	S (Single Acting Spring Return)
Rod End Thread	M (Rod End Male Thread)
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	0.2 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
Malethread of rod end	Male Thread
Ambient and fluid temperature	-10 to 70 °C
Stroke length tolerance	0 - +0.5
F449 - Rod_end_thread_tolerance	JIS class 2

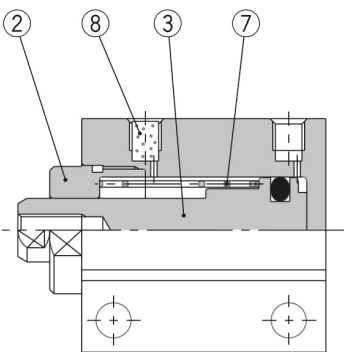
F450 - Mounting	Through-hole
Piston speed	50 - 500 mm/s
Weight	0.023 Kg

Dimensions

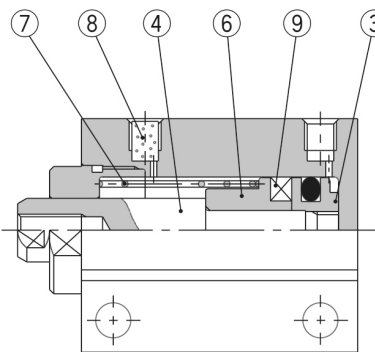


Constructions

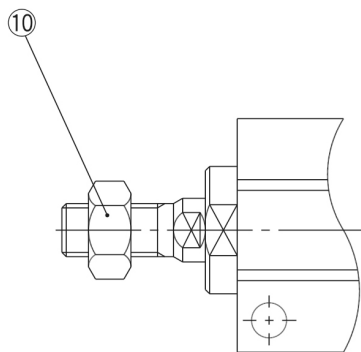
Single Acting, Spring Return



Without magnet



Built-in magnet



Rod end male threaded

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	

Additional information

Catalogue

[CUJ-C_EU.pdf](#)

Operation manuals

[cuj_cuj_-om0001j.pdf](#)