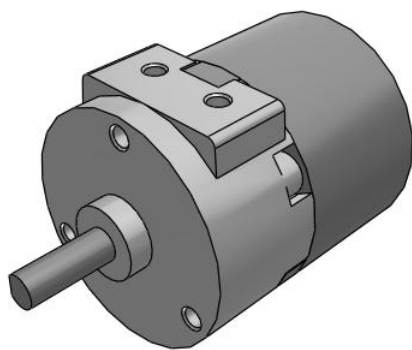
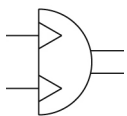




C(D)RB2*W10~40-Z, Rotary Actuator, New Vane Style CRB2BWU10-180SZ

Datasheet

- Torque up to 15 Nm.
- Rotating angle: 90°, 100°, 180°, 270°.
- Angle adjustment range up to 240°.
- Many variations of shaft-end shape (6 types).
- Port location can be selected: Side or Axial ported.
- Many mounting variations.



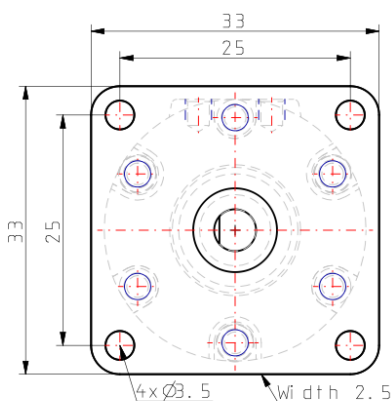
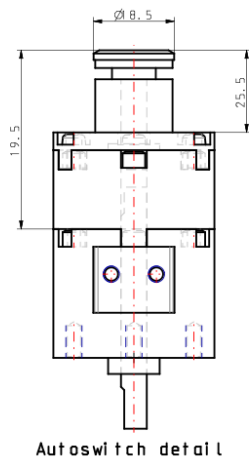
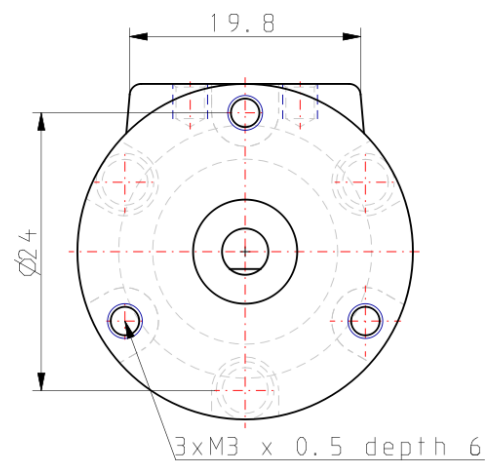
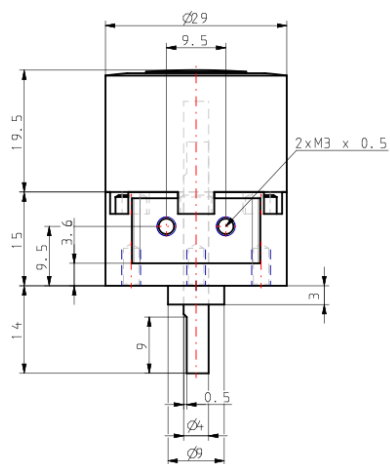
Semi-rotary actuator, double acting

Standard specifications

Magnet	None
Mounting	B (Basic)
Standard Shaft Type	W (Double Shaft with Single Flat)
Angle Adjusting Unit	U (Angle Adjuster)
Size	10 mm
Rotation Angle - Vane	180S (Angle: 180 Single Vane)
Port	Side
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 (Non-lube)
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	5 °C
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.2 MPa
Proof pressure	1.05 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	5 °C

Conform to the European RoHS Directive	Conform
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M3 x 0.5
Pneumatic exhaust connection	M3 x 0.5
Geometric form of the piston rod	Single rod
Rotation time adjustment range s/90°	0.03 to 0.3
Shaft load: Allowable radial load	15 N
Shaft load: Allowable thrust load	10 N
Weight	0.057 Kg

Dimensions

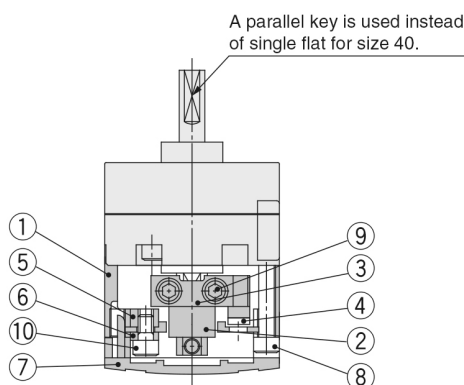
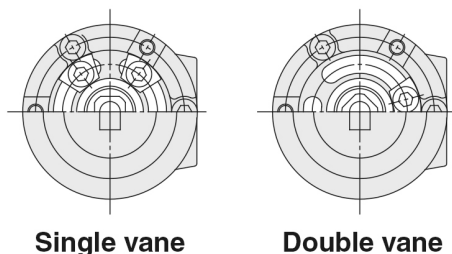


Constructions

- The unit is common for single vane type and double vane type.

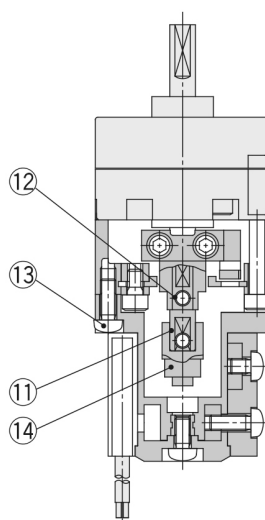
With angle adjuster

Size: 10, 15, 20, 30, 40

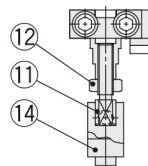


With auto switch and angle adjuster

Size: 10, 15

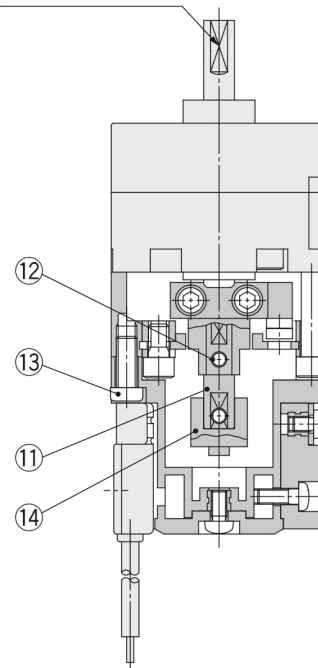


Size: 10



Size: 20, 30, 40

A parallel key is used instead of single flat for size 40.



Component Parts

No.	Description	Material	Note
1	Stopper ring	Aluminium alloy	
2	Stopper lever	Chrome molybdenum steel	
3	Lever retainer	Rolled steel	Zinc chromated
4	Rubber bumper	NBR	
5	Stopper block	Chrome molybdenum steel	Zinc chromated
6	Block retainer	Rolled steel	Zinc chromated
7	Cap	Resin	
8	Hexagon socket head cap screw	Stainless steel	Special screw
9	Hexagon socket head cap screw	Stainless steel	Special screw
10	Hexagon socket head cap screw	Stainless steel	Special screw
11	Joint		
12	Hexagon socket head set screw	Stainless steel	Hexagon nut will be used for size 10 only.
13	Hexagon nut	Stainless steel	
14	Cross recessed round head screw	Stainless steel	
14	Magnet lever	—	

Additional information

Catalogue

[CRB2-C_EU.pdf](#)

Operation manuals

[OM_CRB2_OM00001EN-B.pdf](#)