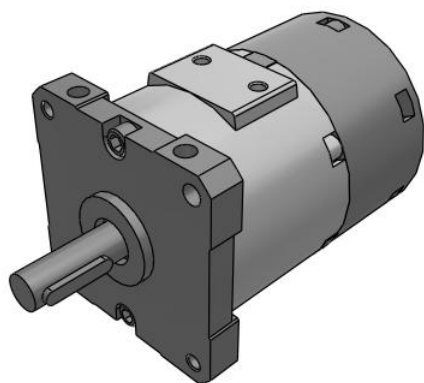
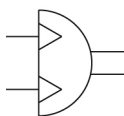




## C(D)RBU2\*U10~40-Z, Rotary Actuator, Free Mount w/Angle Adjuster, Vane Type CRBU2WU40-90SZ

Datasheet

- Free mount type.
- With Angle Adjuster.
- 12% weight reduction.
- Possible to move the plate mounting position as desired.
- Many mounting variations.



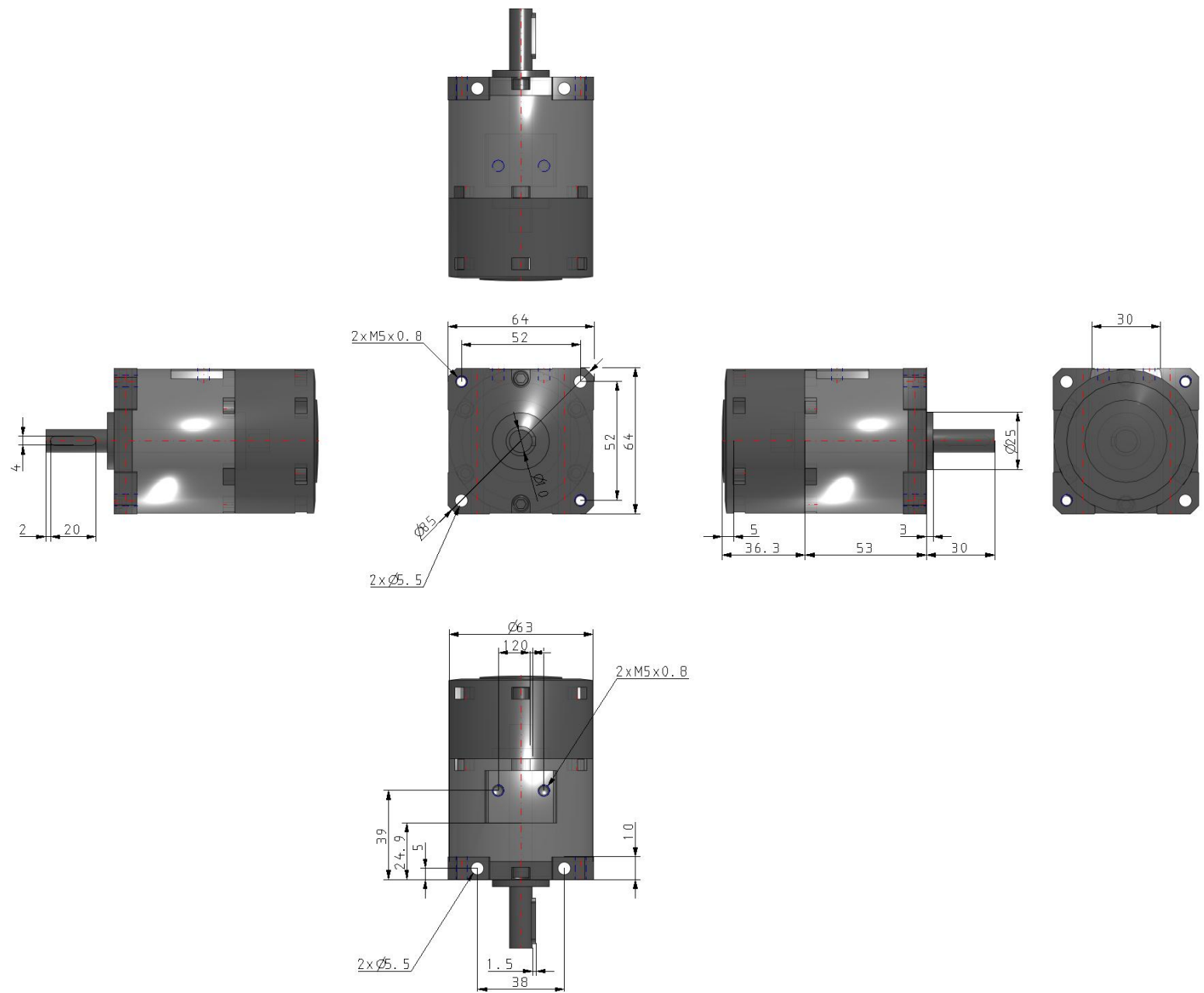
*Semi-rotary actuator, double acting*

### Standard specifications

|                                        |                 |
|----------------------------------------|-----------------|
| Magnet                                 | None            |
| Shaft Type                             | W (Single flat) |
| Size                                   | 40 mm           |
| Rotating Angle                         | 90 (90°)        |
| Vane Type                              | S (Single Vane) |
| Auto Switch                            | No Switch       |
| Electrical Entry/Lead Wire Length      | 0.5m            |
| Number                                 | 2 pcs.          |
| Pressure medium                        | Air (Non-lube)  |
| Maximum temperature of pressure medium | 60 °C           |
| Minimum temperature of pressure medium | 5 °C            |
| Maximum operating pressure             | 1.0 MPa         |
| Minimum operating pressure             | 0.15 MPa        |
| Proof pressure                         | 1.5 MPa         |
| Maximum ambient temperature            | 60 °C           |
| Minimum ambient temperature            | 5 °C            |
| Number of pneumatic connections        | 2 pcs.          |
| Pneumatic input connection             | M5 x 0.8        |
| Pneumatic exhaust connection           | M5 x 0.8        |

|                                      |             |
|--------------------------------------|-------------|
| Geometric form of the piston rod     | Single rod  |
| Rotation time adjustment range s/90° | 0.07 to 0.5 |
| Shaft load: Allowable radial load    | 60 N        |
| Shaft load: Allowable thrust load    | 40 N        |
| Weight                               | 0.668 Kg    |

Dimensions



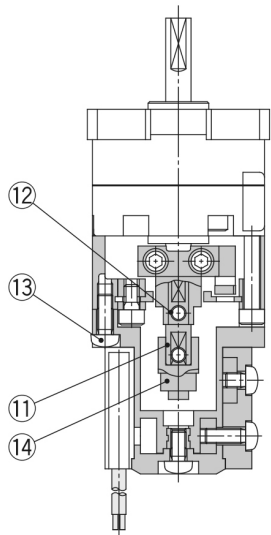
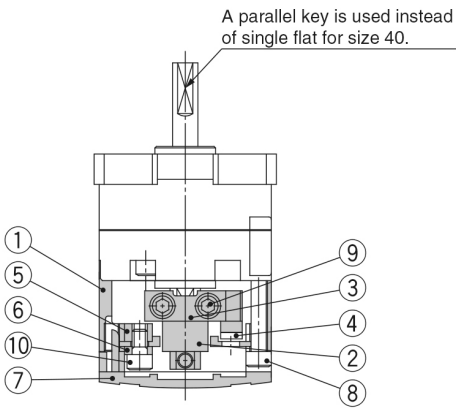
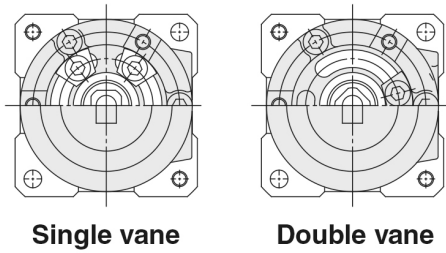
# Constructions

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

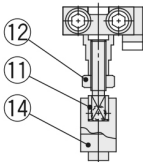
**With angle adjuster**  
**Size: 10, 15, 20, 30, 40**

**With auto switch and angle adjuster**  
**Size: 10, 15**

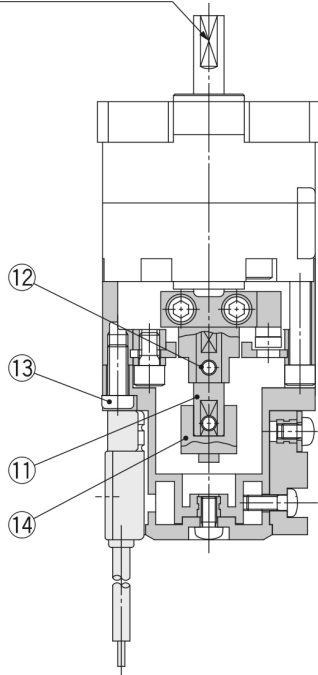
**Size: 20, 30, 40**



**Size: 10**



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. |
|     | Hexagon nut                     | Stainless steel         |                                            |
| 13  | Cross recessed round head screw | Stainless steel         |                                            |
| 14  | Magnet lever                    | —                       |                                            |

## Additional information

Catalogue

[CRB2-C\\_EU.pdf](#)