

Rotary joint

model
WRB

Single rotary flange

7MPa



Rotary joint model WRB was developed for low pressure applications. Aluminum is adopted as body material to reduce the weight. This is a center through type, which the through bore of rotary shaft can be used for coolant piping.

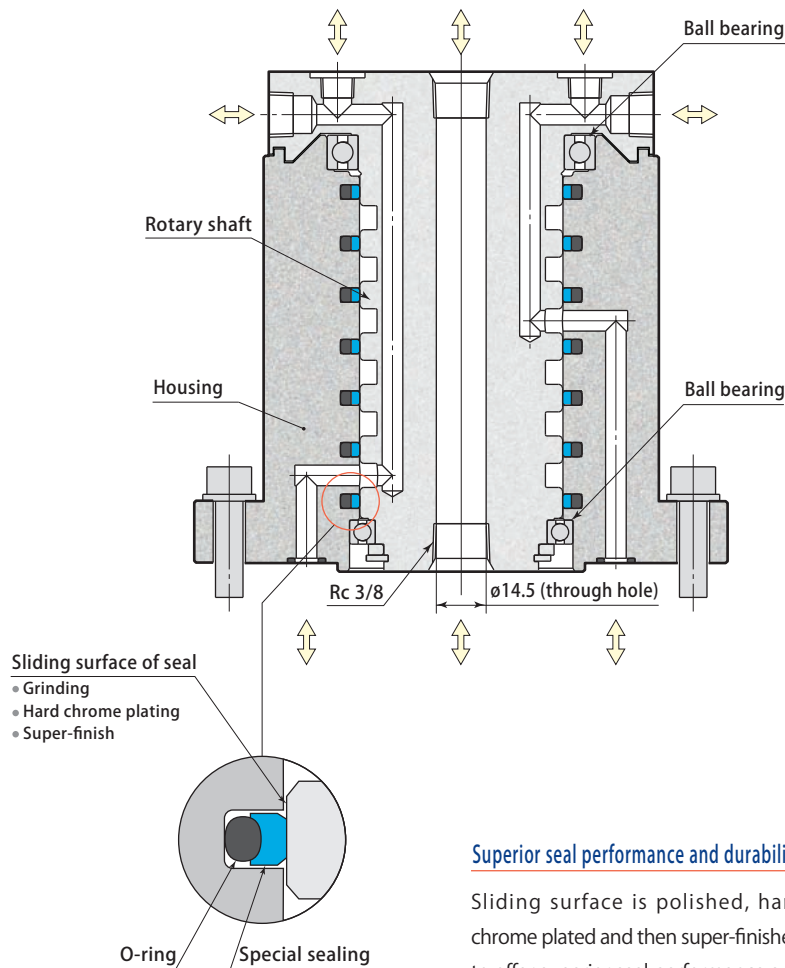
Single rotary flange is a compact type rotary joint with mounting section of the body shaped in the form of flange to keep the overall height low. Four types are available with 2 to 8 circuits, and each circuit can be used independently. Fluid should be supplied from flange side of the body with manifold piping.

Low starting torque

Special seal with lower resistance has been adopted to minimize sliding friction to realize low starting torque.

Usable for both oil and air

Superior sealing capability of special seal can be utilized not only for hydraulic circuits but also for air circuits.

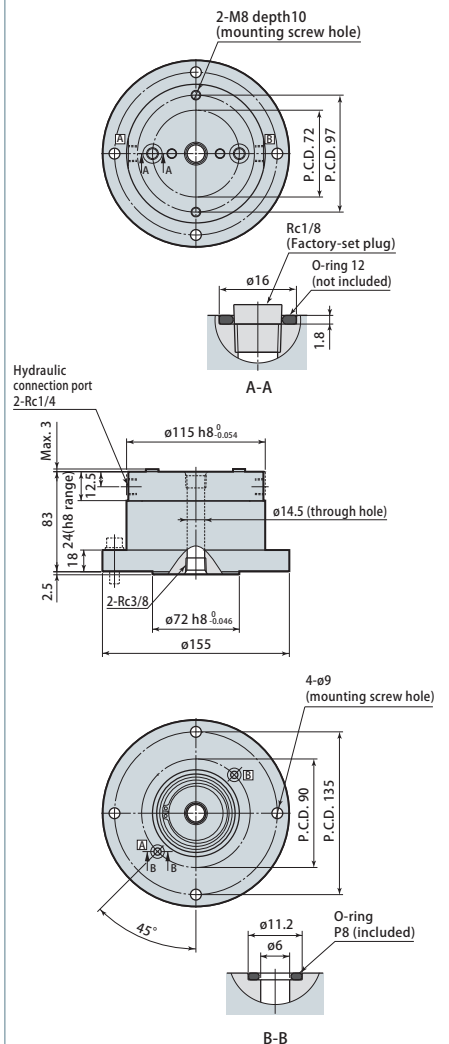


Superior seal performance and durability

Sliding surface is polished, hard chrome plated and then super-finished to offer superior seal performance and durability.

2 circuits

WRB2



Each piping connection port is marked with code A and B. Mounting surface finish must be no rougher than Rz6.3 (ISO4287:1997).

Specifications

Model	WRB2	WRB4	WRB6	WRB8
Number of circuits	2 circuits + 1 circuit *	4 circuits + 1 circuit *	6 circuits + 1 circuit *	8 circuits + 1 circuit *
Fluid used	General mineral based hydraulic oil (ISO-VG32 equivalent) or air (center through circuit: coolant)			
Max. working pressure (MPa)	7			
Allowable rotations	Varies depending on fluid pressure (page → 231 for details on allowable rotations)			
Operating temperature (°C)	0 ~ 70			
Piping connection port dimensions	Body lower surface is manifold piping, upper surface is Rc1/8, side surface is Rc1/4, center through is Rc3/8			
Mass (kg)	4.5	5.5	6.5	7.5

* : +1 circuit indicates a center through circuit (coolant).

4 circuits

WRB4

Each piping connection port is marked with code A through D.
Mounting surface finish must be no rougher than Rz6.3 (ISO4287:1997).

6 circuits

WRB6

Each piping connection port is marked with code A through F.
Mounting surface finish must be no rougher than Rz6.3 (ISO4287:1997).

8 circuits

WRB8

Each piping connection port is marked with code A through H.
Mounting surface finish must be no rougher than Rz6.3 (ISO4287:1997).

Mounting screws are not included.

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