



Single rotary table flange type

7MPa

The rotary joint of HWRB model is specially developed for low-pressure use. The main body is made of aluminum, which reduces the weight. It is a central through-hole type that can use the through-hole of the rotating shaft to pipe the coolant, etc. The main installation part of the single rotary table flange type is in the shape of a flange, which reduces the overall height and has a compact structure. There are four types from 2-circuit to 8-circuit, and each circuit can be used independently. Please supply oil from the flange side of the main body through seat cushion piping.

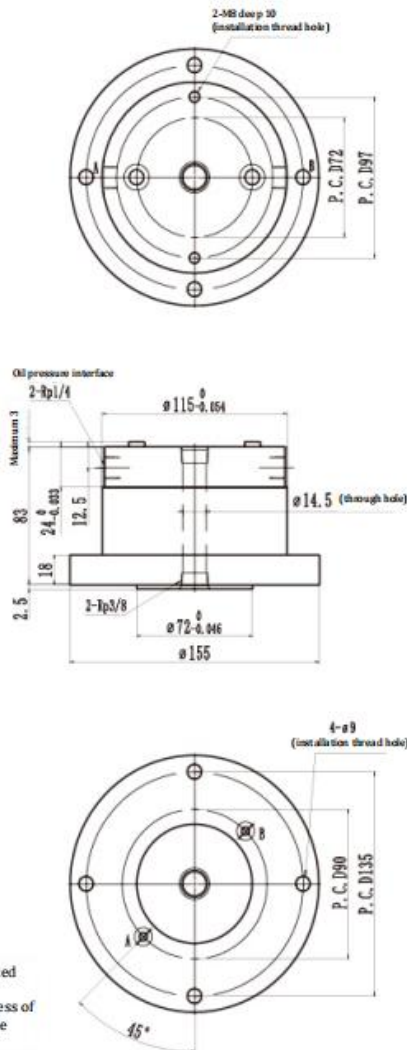
Specification

Model	HWRB2	HWRB4	HWRB6	HWRB8
Number of circuits	2-circuit + 1-circuit※	4-circuit + 1-circuit※	6-circuit + 1-circuit※	8-circuit + 1-circuit※
Operating fluid	Ordinary mineral oil-based hydraulic oil (equivalent to ISO-VG32) or air (center through hole circuit: coolant)			
Maximum operating pressure (MPa)	7			
Allowed RMPs	Different due to different pressure			
Operating environment temperature (°C)	0~70			
Piping interface size	The bottom surface of the main body is seat cushion piping, the upper hole thread is Rp1/8, the side hole thread is Rp1/4, and the center through-hole thread is Rp3/8			
Mass (kg)	4.5	5.5	6.5	7.5

※: +1 circuit indicates the central through-hole circuit (coolant).

2-circuit

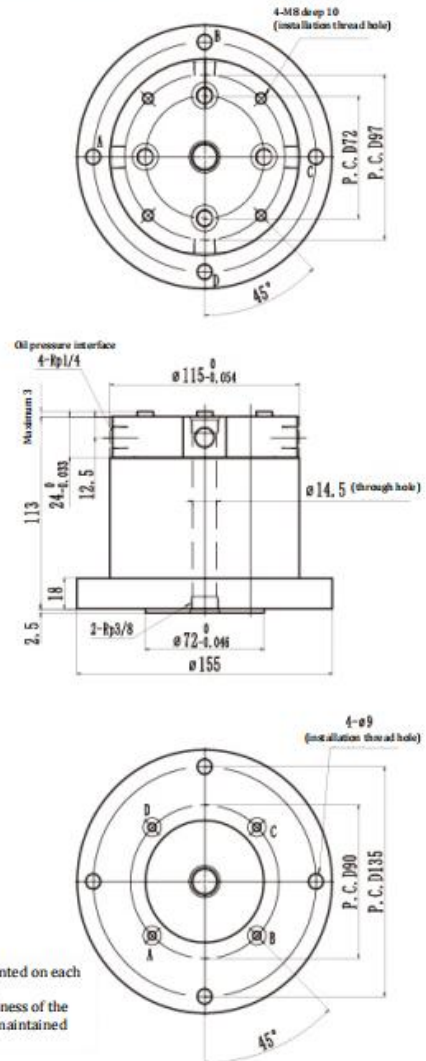
HWRB2



A to B mark numbers are printed on each piping interface. The maximum surface roughness of the installation surface shall be maintained below Ra1.6.

4-circuit

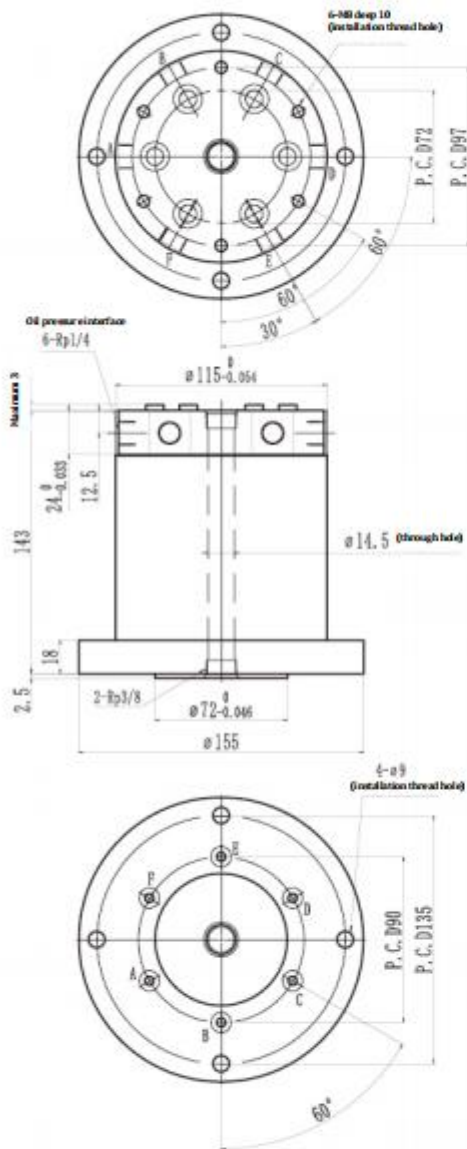
HWRB4



A to D mark numbers are printed on each piping interface. The maximum surface roughness of the installation surface shall be maintained below Ra1.6.

6-circuit

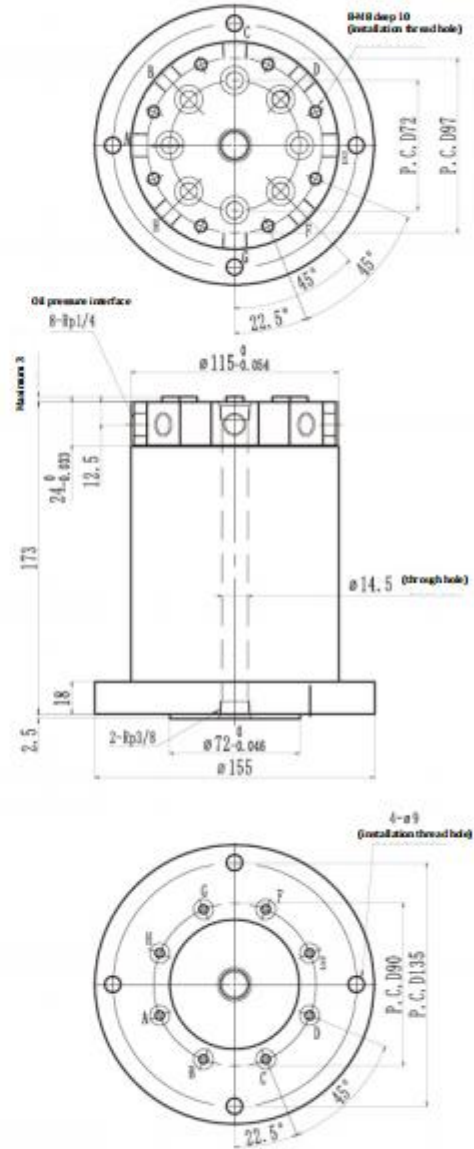
HWRB6



A to F mark numbers are printed on each piping interface.
The maximum surface roughness of the installation surface shall be maintained below Ra1.6.

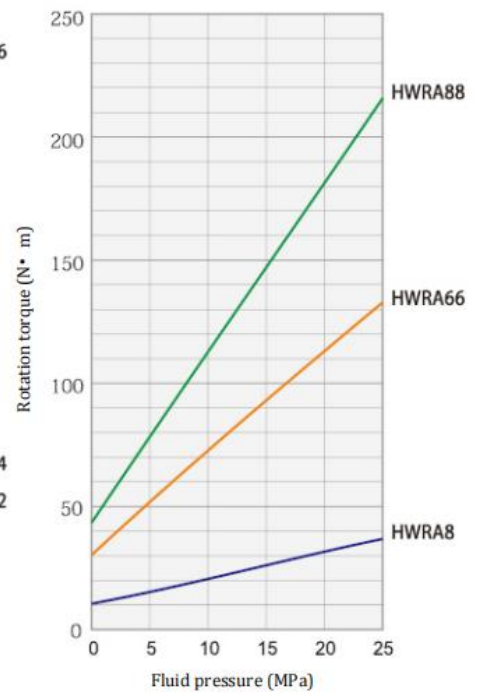
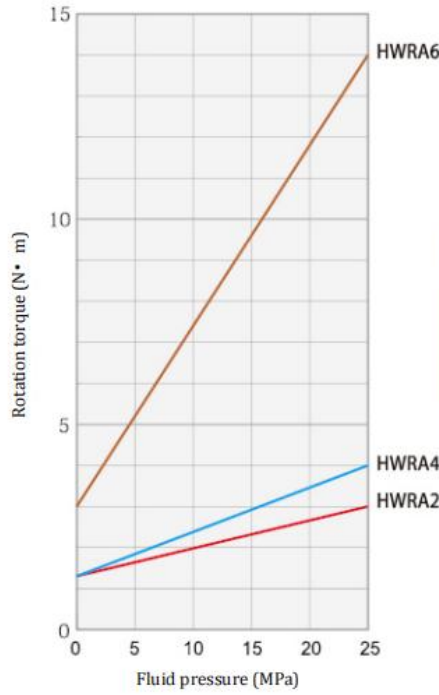
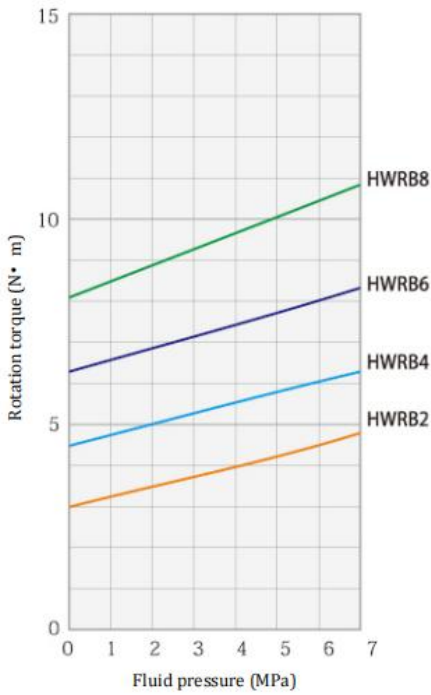
8-circuit

HWRB8



A to H mark numbers are printed on each piping interface.
The maximum surface roughness of the installation surface shall be maintained below Ra1.6.

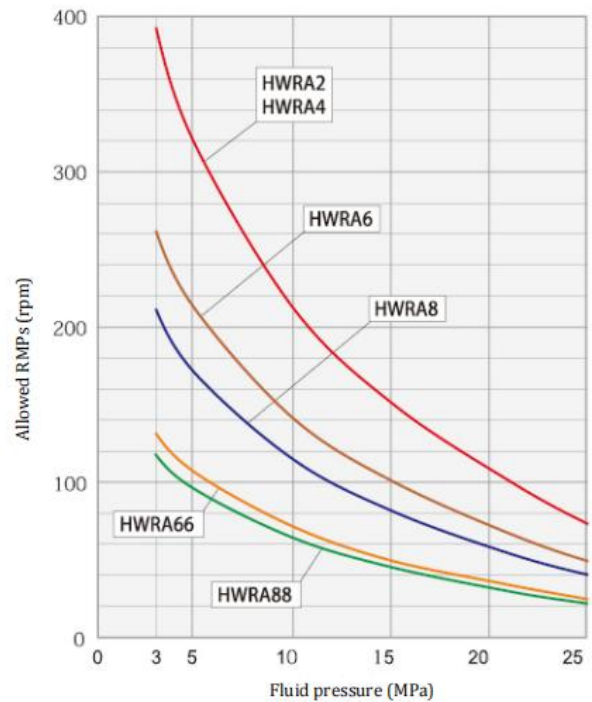
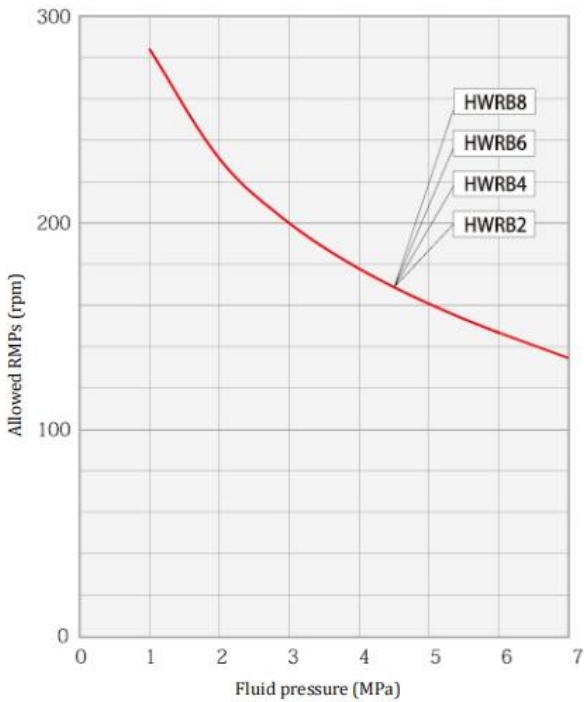
Rotating torque (reference)



1. The figure above shows the torque during stable rotation (sliding resistance of the gasket).
2. The starting torque sometimes reaches more than 2 times that of stable rotation.

3. There is a deviation in the torque of different products
4. The rotational torque shown in the figure above is a reference value.

Allowed RMPs



1. The figure above shows the allowed RMPs when a proper lubricating film is formed.

2. The pressure of the operating fluid, the rotation speed and the temperature of the operating environment interact, so they cannot be used at the maximum value at the same time.

 Precautions for use

1. The operating fluid is ordinary mineral oil-based hydraulic oil or air. Please consult us when using other fluids. When using air, install an oil mist on the pipeline.

2. When ordinary mineral oil-based hydraulic oil is used, oil film leakage will occur to adjacent circuits. When using hydraulic oil and air at the same time, please set a discharge circuit between the hydraulic oil circuit and the air circuit as required. (if the air circuit allows oil film leakage, there is no need to set the discharge circuit.)

3. The sliding resistance of the gasket will generate heat, so please avoid continuous operation.

4. When installing, please fix the rotation side and limit the rotation direction of the stop side to avoid eccentric load. (Refer to the figure below)

5. Do not use steel pipes for piping, but use flexible pipes.

6. Do not block the discharge port with a plug. Separate piping shall be conducted for the drain circuit to return the oil directly to the tank.

