

Swivel Joints

Features

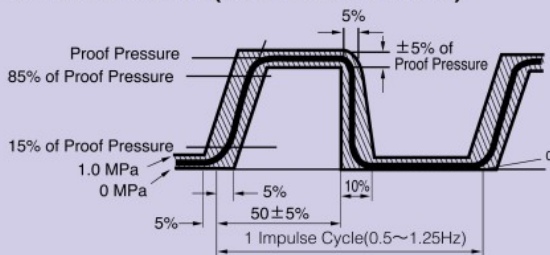
Swivel joints for mineral hydraulic oil hoses for civil engineering machines, machine tools, and ordinary hydraulic equipment

1. A swivel joint allows a high pressure hose to be oriented in any direction, facilitating plumbing and reducing installation time.
2. A swivel joint helps the hose to bend. This decreases the hose length and prevents the hose from being sharply bent from the joint.
3. Different types of swivel joint threads are available depending on the standard for the high-pressure hose joint.
4. A swivel joint can be easily rotated 360 degrees even if it is pressurized by exerting fluid pressure on the high-pressure hose to which it is attached.
5. The swivel joints are small and lightweight.
6. The swivel joints are designed to reduce pressure loss.
7. The swivel joints are dust-proof and corrosion-proof devices suitable for a wide range of applications such as construction machinery and industrial vehicles.



Usage example

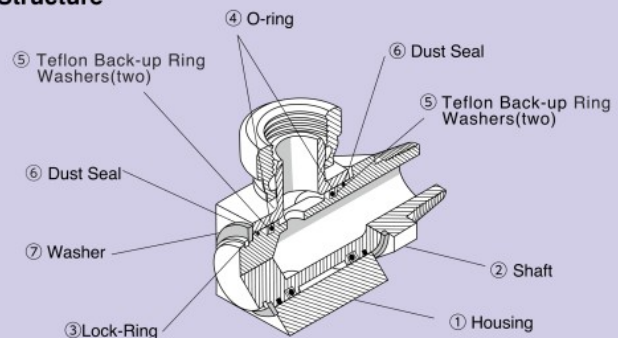
JIS Pressure Wave (ISO Pressure Wave)



Proof pressure is maximum working pressure x 1.33.
In case of jack application, proof pressure is the same as maximum working pressure.

- JL and JB series passed 400,000 impulse test with JIS pressure wave. These products passed 100,000 times Swing test (Swing Angle 120°, Swing speed 15 cpm)
- JR series passed 100,000 rotation of maximum working pressure enclosure test (100 rpm)

Structure



Applicable Rotation Number : Max 10 rpm with swing speed less than 60°/s

Warranty Period

JL / JB series 1 year or 400,000 impulse cycle and 100,000 times swing whichever comes earlier
JR series 1 year or 100,000 impulse cycle whichever comes earlier

Pressure

Main body: Steel Surface: Zinc plating or chromate treatment O-ring: NBR Applicable temperature range: -30°C to 100°C

Unit: N·m

Size	Thread		Tapered pipe thread (R)		Parallel pipe thread (G)		Thread	Tapered pipe thread (R)		Parallel pipe thread (G)	
	Max. W.P	Min. B.P	Max. W.P	Min. B.P	Max. W.P	Min. B.P		Max. W.P	Min. B.P	Max. W.P	Min. B.P
04	20.5	82.0	20.5	82.0	16	20.5	82.0	20.5	82.0	20.5	82.0
06	20.5	82.0	20.5	82.0	20	20.5	82.0	17.0	68.0	20.5	82.0
08	20.5	82.0	20.5	82.0	24	14.0	56.0	10.5	42.0	20.5	82.0
12	20.5	82.0	20.5	82.0	32	10.5	42.0	10.5	42.0	20.5	82.0

The same pressure value applies to swivel joints and rotary joints.

Product Series and Sizes

Bore	JL-GC	JL-GD	JL-GG	JL-GAO	JL-GL	JL-DC	JL-DD	JL-DG	JL-DL	JL-CC	JL-CD	JL-CG	JL-CL	JL-KC	JL-KL	JL-LC	JL-LD	JL-LK	JL-LG	JL-LL	JB-DD	JB-LD	JR-DC
04	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
06	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
08	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*For information about delivery dates, contact us.