

Turcon® Glyd Ring® II

UNRIVALLED PERFORMANCE UNDER PRESSURE



A unique one-piece design gives outstanding performance in high pressure applications.

The Turcon® Glyd Ring® II is a double-acting, rod or bore, bi-directional seal for linear or rotary applications that have a combination of high surface speed and pressure. It consists of a permanently bonded elastomer energizer and a polytetrafluoroethylene (PTFE) based seal ring to form a one-piece seal. It can be manufactured from a wide variety of material combinations, including elastomer and PTFE based compounds.

In rotary applications, the Turcon® Glyd Ring® II offers outstanding stability in the gland hardware. Its one-piece bonded construction gives an increased service life by preventing the seal's PTFE based sealing ring from spinning with the shaft against its elastomer energizer.

In linear applications, the Turcon® Glyd Ring® II offers all the same low friction, no stick-slip effect benefits of our standard seals in a convenient one-piece seal, making it a robust seal for demanding applications.

Application Examples

- Mobile Hydraulics
- Standard Cylinders
- Hydraulic Motors
- Machine Tools
- Manipulators
- Pivoting Motors
- Hydraulic Hammers
- Handling Machinery

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Features and Benefits

- One-piece seal for linear, rotary, oscillating and helical movements
- The seal is double-acting and can be exposed to pressure from one or both sides
- Any material combination of Turcon® PTFE-to-elastomer can be bonded together making the seal versatile to use in various operating conditions
- High strength bond for long lasting trouble-free service
- Ideal for automated assembly - all-in-one piece versus multiple sealing components that eliminate the possibility of installing the wrong size elastomer or seal ring
- Sizing flexibility allows the seal to be made to fit standard gland hardware configurations
- Can be made to fit special gland hardware configurations - not limited to the available size and cross section of the elastomer energizer
- Axial shifting in the groove from bi-directional pressure can be minimized by optimizing the seal's occupancy in the gland hardware
- Available in sizes up to 990 mm / 39 inches for rod seals and 1,016 mm / 40 inches for piston seals

| | Rotary | Linear |
|--------------------------|------------------------------------|------------------------------------|
| Pressure | 35 MPa / 5,000 psi | 60 MPa / 8,700 psi |
| Speed | 2.5 m/s / 8 ft/s | 15 m/s / 50 ft/s |
| Temperature Range | -60°C to +200°C -76°F to +392°F | -60°C to +200°C -76°F to +392°F |
| Gland - Rod | Closed or Split Groove | Closed or Split Groove |
| Gland - Piston | Split Groove | Split Groove |

* Dynamic values - Lubricated

* The above data are maximum values and cannot be used at the same time. The maximum operating speed depends on material type, pressure, temperature and gap value. Temperature range also dependent on medium. Please contact your local Trelleborg Sealing Solutions marketing company for an evaluation of your application.