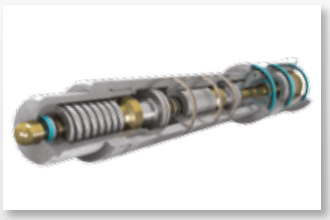
# Turcon® Double O-Ring Energized Captive Glyd Ring®

## UNRIVALLED PERFORMANCE IN DEMANDING APPLICATIONS



**Widening the cross-section of our large Captive Glyd Ring® gives outstanding performance in demanding applications with large ports.**

The Turcon® Double O-Ring Energized Captive Glyd Ring® is a double-acting, bi-directional seal for linear applications where the seal becomes vulnerable by passing over large port. It is available in either rod or bore configurations. It consists of a Turcon® seal ring and two standard O-Rings.

The standard Turcon® Captive Glyd Ring® is a seal retained in a split groove. This hardware prevents the seal from pulling out the groove while passing over ports or variable diameter counter parts. Depending on the material, the standard Turcon® Captive Glyd Ring® has a pressure limit of 60 MPa / 8,700 psi.

The Double O-Ring Energized Captive Glyd Ring® is the number one option when port sizes exceed the limit of the standard Turcon® Captive Glyd Ring®. The operating conditions and applications are similar to the standard Turcon® Captive Glyd Ring®.

### Application Examples:

- Valves
- Connectors
- Isolation valves
- Pressure boosters
- Cushioning in cylinders
- Spool valves
- Down hole drilling motors
- Coiled tubing systems
- Down hole tool

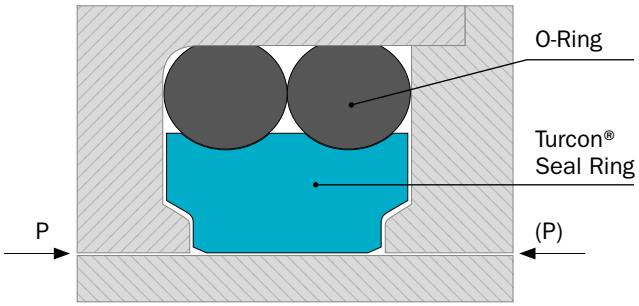
# TURCON® DOUBLE O-RING ENERGIZED CAPTIVE GLYD RING®

## Features and Benefits:

- Pressure Limits for Turcon® Double O-Ring Energized Captive Glyd Ring®
  - 60 MPa / 8,700 psi
- The seal is double-acting and can be exposed to pressure from one or both sides
- The Turcon® Double O-Ring Energized Captive Glyd Ring® can endure harsh environments
  - Oils
  - Sand
  - Acids and other corrosive fluids
- The soft Turcon® seal ring will absorb small particles of debris entering the system, preventing the entire system from becoming contaminated.
- Split hardware eases installation
- The Turcon® Double O-Ring Energized Captive Glyd Ring is available only as a custom design

## Materials:

- Seal Ring
  - Typically Turcon® M12 and T16
- O-Rings
  - NBR and FKM recommended




| Operating Conditions | |
|---|---|
| **Movement** | Linear |
| **Pressure** | 60 Mpa / 8,700 psi |
| **Speed** | Up to 15 m/s / 50 ft/s |
| **Temperature Range** | -45° C to +260° C / -49° F to +500° F |
| **Gland – Rod** | Split Groove |
| **Gland – Piston** | Split Groove |
| **Media** | Mineral oil based hydraulic fluids, barely flammable hydraulic fluids HFC, environmentally safe hydraulic fluids (biological degradable oils), water, air and others. Dependent upon compatibility of the o-ring material. |

* 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.

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