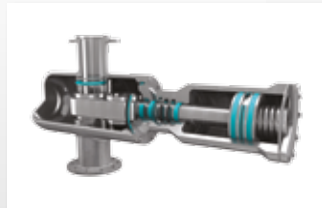




Turcon® Corner Reinforced Wedgpak®

UNRIVALLED PERFORMANCE UNDER EXTREME PRESSURE



Adding corner reinforcements to the Turcon® Corner Reinforced Wedgpak® seal gives outstanding performance in high pressure applications.

The Turcon® Corner Reinforced Wedgpak® is a double-acting, bi-directional seal for linear applications that have high pressure requirements. It is available in either rod or bore configurations and consists of Turel® or XploR® triangular elastomer elements supported by two Turcon® delta-shaped Back-up Rings and two Zurcon® corner reinforcements. The corner reinforcement ring has been developed based on many years of experience working with these applications, and is proven to give superior performance over a full depth Back-up Ring.

The standard Turcon® Wedgpak® fits into AS-568 or ISO-3601 groove sizes and depending on the material, has a pressure limit of 60 MPa / 8,700 psi.

The Turcon® Corner Reinforced Wedgpak® is the number one option when pressures and e-gaps exceed the limit of the standard Wedgpak®, withstanding pressures up to 207 MPa / 30,000 psi. The addition of high modulus Zurcon® Back-up rings protect this sealing assembly under harsh conditions and environments.

Application Examples:

- Hydraulic tensioners
- Pressure control systems
- Reservoir description tools
- Subsea retractable pipe joints
- Subsea valves
- Petroleum prospecting tools
- Hydraulic testing equipment
- Down hole tools

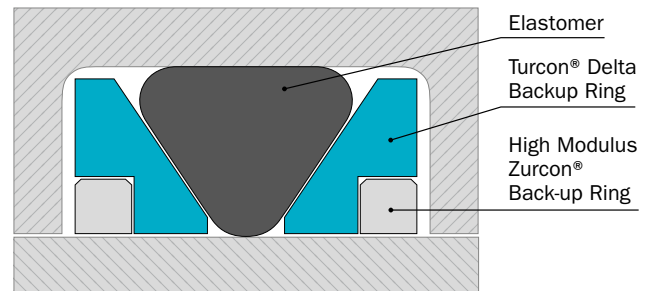
TURCON® CORNER REINFORCED WEDGPAK®

Features and Benefits:

- High Modulus Zurcon® Back-up Rings
 - Allow for larger e-gap
 - Enhance sealability
 - Protect the seal from debris
 - Increase product life
 - Improved extrusion resistance by 50% to 100%
- Pressure Limits
 - 207 MPa / 30,000 psi
 - 40% improvement compared to the standard Turcon® Wedgpak®
- Turcon® Corner Reinforced Wedgpak® was designed to fit in the standard Turcon® Wedgpak® groove
- Double-acting design and can be exposed to pressure from one or both sides
- Turcon® Corner Reinforced Wedgpak® can endure harsh environments
 - Oil
 - Dirt and mud
 - Acids and other corrosive media

Materials:

- Seal Rings
 - Turcon® M12 and T16 recommended
- High Modulus Backup Rings
 - Zurcon® Z40 and Z43 recommended
- Elastomer
 - Turel® or XploR® NBR and FKM recommended



Operating Conditions	
Movement	Linear
Pressure	207 Mpa / 30,000 psi
Speed	Up to 3.0 m/s / 9.8 ft/s
Temperature Range	-45° C to +260° C / -49° F to +500° F
Gland – Rod	AS-568 or ISO-3601 groove sizes
Gland – Piston	AS-568 or ISO-3601 groove sizes
Media	H ₂ S, CO ₂ , Amines, Hydrocarbons, mineral oil, methanol, drilling mud and glycols depending on elastomer

* 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.