

Zurcon® Heavy Duty Scraper WAE

IMPROVED PERFORMANCE UNDER HARSH ENVIRONMENTS



Profile enhancements make this the one-piece scraper of choice for harsh environments

The Zurcon® Heavy Duty Scraper WAE is a double-acting scraper providing enhanced scraping performance in linear applications. A development on the successful standard single-acting WAE scraper for use when contamination conditions are severe.

Advantages

- Robust outer scraper lip to increase scraping effect
- Better protection from internal corrosion
- Retention of residual oil film from inner sealing lip
- Water-resistant
- Pressure relief feature available
- Low friction characteristics
- Higher operating range compared to other polyurethane type scrapers
- Stable scraper effect
- Less heat generation
- Extended scraper life
- Simple installation

The Zurcon® Heavy Duty Scraper WAE is produced from Zurcon® Z48, a high performance thermoplastic polyester elastomer material.

The benefits of the material:

- Exceptional toughness and abrasion resistance
- High resistance to creep, impact and flex fatigue
- Flexibility at low temperatures
- Good retention of properties at elevated temperatures
- Resists deterioration from many industrial chemicals, oils, solvents, glycols and UV exposure

Application Examples

- Agriculture machinery
- Offshore tensioners
- Construction machinery
- Mobile hydraulic equipment
- Forestry machinery
- Hydraulic industrial cylinders
- Vertically mounted cylinders

ZURCON® HEAVY DUTY SCRAPER WAE

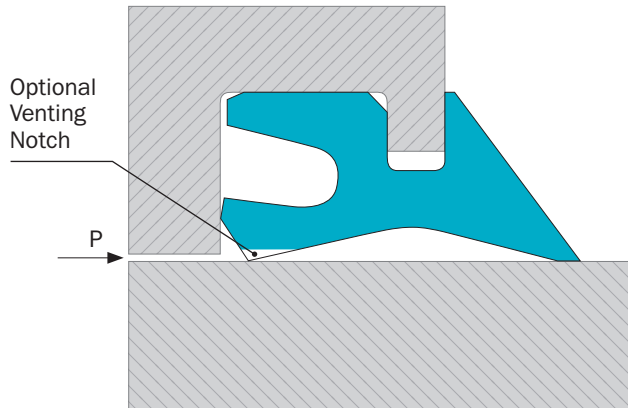
Features and Benefits

The new improved design of Zurcon® Heavy Duty Scraper WAE features a conical shaped outer lip profile that completely covers the relief diameter opening. This creates an optimum knife-like sealing force to deflect contamination, preventing the ingress of dirt and water.

The addition of an inward facing scraping lip provides a sealing function resulting in a high scraper effect of the residual oil film.

The scraper profile has reduced friction characteristics with less heat generation to extend service life. The profile fits securely in the groove to prevent tilting or twisting maintaining a stable scraping effect.

The new design is available in two versions: standard and pressure relieving.



The Zurcon® Heavy Duty Scraper WAE can be equipped with axial notches that operate as a pressure relief feature to prevent situations of pressure build-up behind the scraper.

Technical Data

Operating conditions:

Pressure: Both versions: max. 800 psi (55 bar)

Velocity: Up to 6.5 ft/s (2 m/s)

Temperature: -76° F to 270° F (-60° C to 130° C)

Media: Mineral oil-based hydraulic fluids, fire resistant hydraulic oils, greases, water, glycols, fuels, non aromatic hydrocarbons, solvents, diluted acids

Utilization: The Zurcon® Heavy Duty Scraper WAE is a complimentary product to the standard WAE scraper to be utilized when contamination conditions are more severe

Hardware: Designed to interchange with the standard WAE scraper using the same ISO 6195 Type D groove hardware

Material

The standard material is a high performance Zurcon® thermoplastic polyester elastomer.

Standard Material: Zurcon® Z48, 55 Shore D

Set Reference: Z48

Color: Black

Important Note:

The above stated limits for pressure and speed are maximum values individually. Friction heat generated by the combination of pressure and speed may cause local heat build-up. Care should be taken not to apply high values for pressure and speed at the same time.