

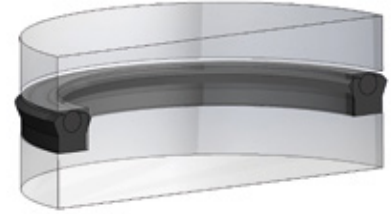


UTEX INDUSTRIES, INC.

# SureTex Seals



**Rod Arrangement**



**Piston Arrangement**

- Excellent stability under high stress
- Excellent sealability at low system pressures
- Resilient to fluctuations in system pressures
- Suitable for vacuum applications
- O-ring energizer stabilises the seal jacket
- Seals can be stretched or compressed to fit non-standard housings
- Available in a variety of standard and high performance elastomers
- No metal elements in the seal

The Utex range of seals has been designed to perform over a range of pressures and temperatures in either rod or piston applications. The seals are composed of standard “U” packings incorporating an O-ring to energize lips which will facilitate sealing at low pressures. Similarly, as pressure within the system increases, the O-ring is energized and as a result, the sealing lips are forced against the sealing surfaces to maintain a leak free environment. These seals, offer true benefits over conventional u-cups or symmetrical packings.

The sealing range includes a variety of configurations; standard, flat and deep styles are the most commonly used. The styles (HS, NS, PS, VS) have flat tops at the sealing lips and can be used in either a rod or piston arrangement and are generally used for pneumatic applications at low pressure where a more flexible seal lip is advantageous. Depending on material selection, open grooves may be required. Standard and Deep styles (HSB, NSB, PSB, VSB) have angled sealing lips and are more commonly used in hydraulic applications. The angled lip design imparts maximum lip sealing force. SureTex Caps are available as a complementary product for these seal types, providing bi-directional piston sealing. The cap aligns with the sealing lips to provide extrusion resistance when reverse pressure is applied to the heel of the seal.

In addition, we also offer seals with an anti-extrusion device, available in a variety of thermoplastic materials to suit the specific application conditions.

Our ACB style is different to the other seals in the range in that it has a molded profile in place of the removable O-ring. The benefit of the ACB is the sealing bumps on the heel of the seal for stability and it is made from one homogenous piece.

Industries such as Oilfield, Petrochemical & Industrial have found these seals to provide the solution to their sealing requirements.

Material selection is paramount to the success of the seal; careful consideration should be given to the jacket and the O-ring materials to give optimum performance for the given environment. The materials should also be compatible with each other and the system operating conditions.

Utex seals can be manufactured to operate across a broad range of temperatures defined by elastomer material selection. Typically, Utex are able to offer these seal types to withstand operating temperatures down to -50°C (-58°F) and up to +300°C (+572°F), however, the true temperature capability is also a function of the extrusion gap size and the system operating pressure.

## Contact



### UK Division

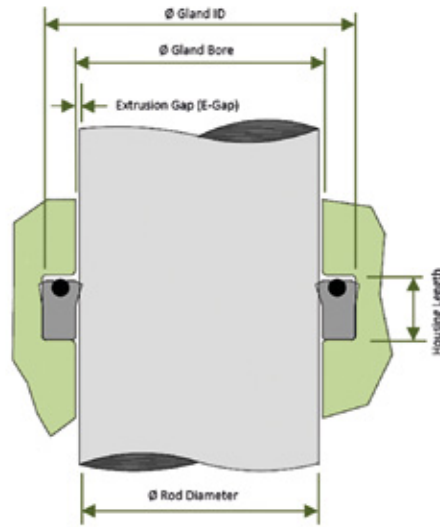
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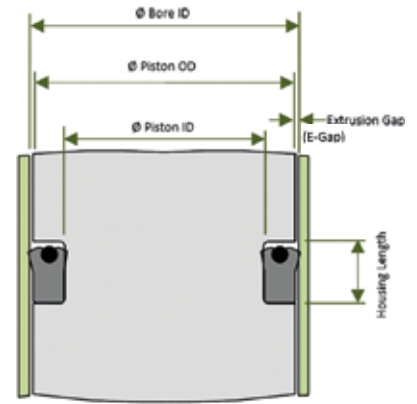
### USA Division

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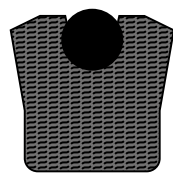
Rod Arrangement



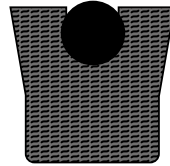
Piston Arrangement

- Rod and Piston sealing arrangements
- Suitable for single or double acting arrangements
- Standard geometries
- Custom designs to suit specific application conditions
- Tooling available for standard sizes
- In-house mold tooling
- Industry leading leadtimes
- Component size range from 0.375" to 60.00" diameter
- Complementary products available

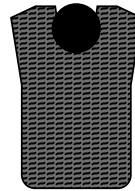
## SureTex seal styles available from Utex Industries Inc:



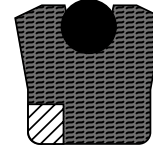
Standard Style



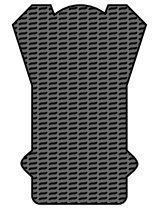
Flat Lip Style



Deep Style



With BUR



ACB Style

Complementary products for SureTex seals are also available from Utex Industries Inc in a variety of elastomer, urethane and engineered thermoplastics to suit your application.



SureTex Cap



Wear Bands



PSWR Wiper



P6W Wiper



PWHM Wiper



PWS Wiper



PWSM Wiper

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