

Premium Sealing Solutions





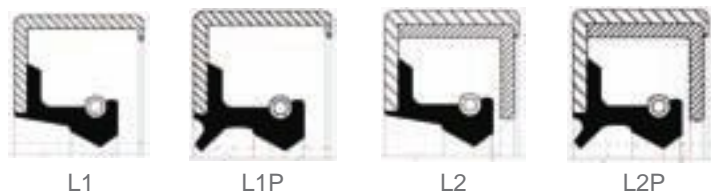
Type G

- Rubber OD Seal with metal insert, as per DIN 3760
- Over 20 variants and over 2000 sizes in production
- Special Elastomer formulation for compatibility with EP additives and Synthetic Oil
- Suitable upto 1 bar



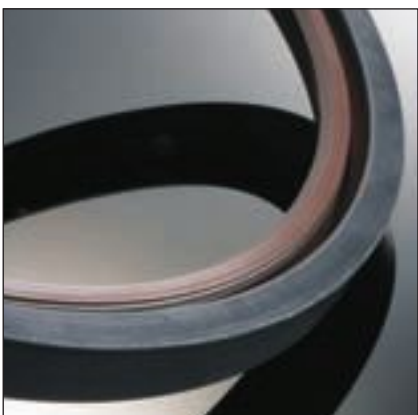
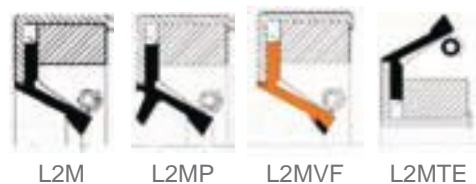
Type L

- Oil Seal with external metal casing ground to DIN 3760
- Molded Seal, Not assembled and No Joints
- Over 2000 sizes in production. Almost all sizes available with Dust Lip
- Variants with additional metal ring (type L2) when higher rigidity is required for high interference and for large diameter sizes.



Type L2M

- Seal for heavy industries. Can accommodate higher misalignment than the conventional seals.
- Dual Spring construction contributes to Low under lip temperature and No Shaft grooving.
- No possibility of Spring pop-out during assembly or while in operation.
- Available in sizes from 150 to over 1000 mm
- All standard sizes in production for Vertical Roller Mills, Steel Mills Chock Rolls, Gearboxes.
- For High Speed (45 m/s), type L2M VE of FKM Lip with vulcanized PTEE is recommended
- Recommended for Chock Rolls of Non Ferrous Rolling Mills



Type TGU

- Oil Seal with flexible and strong textile rubber OD
- Spring cavity encapsulates almost 270 deg of the spring. No possibility of spring popping out.
- Most commonly used in the Steel Mill chock Rolls
- Also supplied as Split Seal with Cartridge for *in situ* replacement in Gear box
- For paired mounting variants available with radial lubrication grooves (TGR) or Axial Lubriaction grooves (TGA)
- Also available with Metallic flexible Stiffening Ring for mounting arrangements without end cover





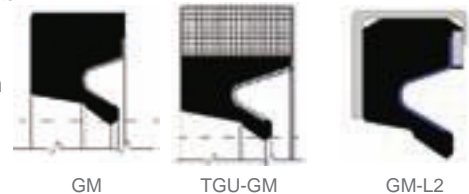
Type V Rings

- Molded One piece without joint for sizes upto 2000mm
- All standard variants L, A, S, AX, E and RME in production range
- Available for shaft sizes from 4 mm upto 2000 mm.



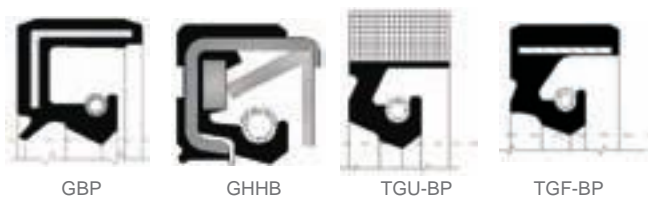
Type GM

- Oil Seal with molded in finger spring
- Most suitable for difficult mounting conditions and seal change at site
- Also available in Split Form
- Exceptional results when used in split Bearing Housing in place of Felt Seals
- Endless variant can be used as wiper for reciprocating applications
- Over 3000 sizes in production range



High Pressure Seals

- Variant G for application with pressure upto 10 bar
- TGF variant for pressure upto 4 bar, GHHB upto 50 bar
- Recommended for Steel Mills Chock Rolls that are forced lubricated with high pressure.



Oil Film Bearing Seals

- Oil Seals for Backup Rolls of Hot Rolling Mills
- All standard sizes from 12" to 76" in production range
- All Coolant seals corresponding to these sizes also in standard production range



BEARINGS AND BUSHINGS



Slipper Rings and FLUOR-S/SC Tapes

Slipper Rings

Made up of a segment in filled PTFE with an elastomer ring, Slipper seals replace rubber in dynamic applications resulting in low costs, long duration and high technical limits.

Available in a wide range of dimensions and profiles (market standards and specials on demand) Slipper rings are the ideal solution in rotary and slow rotary-translation movements and as anti-extrusion for over pressures in static and semi-static devices.

These seals were originally designed for aeronautical use and during the years they have got more and more success in fluid-dynamic servo-systems sectors due to their low friction properties and the lack of stick-slip effect especially with the introduction of specific PTFE compounds where Fluorten has achieved, once again, a deep experience and nowadays can offer customized solutions for any specific need in small and large quantities.

Besides Fluorten can supply to seals manufacturers the same high quality material level, as for Slipper rings produced by itself, for pure and filled PTFE stock shapes (tubes and rods) to be machined.

FLUOR-S/SC Tapes

Fluor/S calibrated bearing tapes made of filled PTFE are mainly used as bearings, due to their low friction coefficient and total absence of stick-slip effect, as the ideal solution for pneumatic applications with irregular or total lack of lubrication, in discontinuous mechanism equipments, such as hydraulic or electro-hydraulic servo-systems, thanks to the fact they avoid metal to metal contact reducing wearing.

Fluor/SC tapes, made of high compression and wear resistance filled PTFE, are used, thanks to the fact they can be bonded, as sliding guides (e.g. machine tools plates).



Slipper Rings and FLUOR-S/SC Tapes

Spring energized seals and compressor seals

FLUORTEN spring energized seals are composed by a jacket made of pure or filled PTFE or in other technopolymers and are energized with a stainless steel spring.

They are particularly suitable for applications where the resistance to aggressive chemical mixtures and to high working temperatures are an unconditional requirement. The industrial fields which mainly the energized PTFE gaskets are used are: chemical, hydraulic, food-industry and ball valve sectors.

For the compressor market FLUORTEN has developed during the years special PTFE compounds to increase the performance of seals and bearings in compressors having poor or absence of lubrication. For air compressors Fluorten produces components made of natural and filled Victrex®PEEK™ as well.



Spring energized seals



Seals and guide bearings for compressors

O-RINGS AND SPECIAL COMPONENTS IN ELASTOMER



CERTIFIED COMPOUNDS



NBR, CR, FKM, FFKM (Equivalent to KALREZ^(R))
EPDM, EPDM Perx HNBR, CR, VMQ,
ShoreA 30 to 95



sealcore[®]
network

BIG DIMENSIONS AND ENDLESS O-RINGS

ORING ONE[®]

endless possibilities[™]

Order from ORINGONE

- Any Diameter size from min 200mm onwards.
- No limit to Diameter size
- No Mold Cost
- No Minimum Qty. You can order even 1 piece
- Following cross sections in mm are available

2.62	3.00	3.53	4.00	4.50	5.00
5.33	5.50	5.70	6.00	6.35	6.50
7.00	7.50	8.00	8.40	8.50	9.00
9.50	10.00	10.82	11.00	12.00	12.70
13.00	14.00	14.40	15.00	16.00	17.00
18.00	20.00	22.00	24.00	25.00	26.00
28.00	30.00	40.00			

sealcore[®]
network

OIL SEAL, O-RINGS AND SPECIAL COMPONENTS IN ELASTOMER, RUBBER-METAL,
LIQUID SILICON, PTFE AND HPP - HIGH PERFORMANCE POLYMERS

sealcore.net



Rotary Shaft Oil Seals
and custom made
articles in various
elastomers, and
rubber-metal



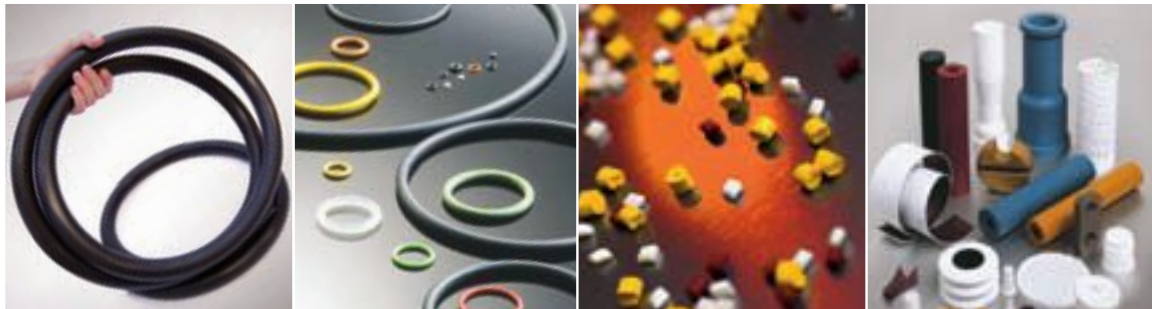
Special Large Sizes
Rotary Shaft Oil Seals
for the heavy duty
industry



Bearings and Bushings
for valves and other
applications for the
hydraulic, energy and
metal industry



Marketing and distribution
of Sealcore Network
products in India



Large sizes and Endless
O-Ring produced with an
innovative step-molding
method



O-Rings in various
compounds with many
certificates of quality.
From the automotive
to the hydraulic and the
food industry



Molds design
and manufacturing.
Injection molding of
custom made articles
in many Technopolymers
and Liquid Silicon



PTFE and HPP - High
Performance Polymers.
Stock shapes and
customized engineered
components