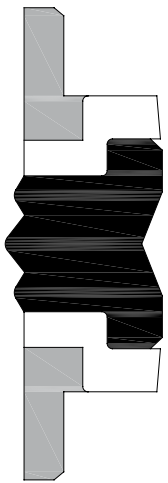


Polyurethane hydraulic seals



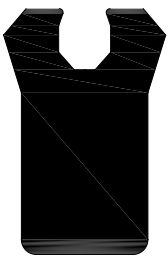
DKD

The piston seal type DKD assures a good reaction against shock pressure peaks and low friction in the low pressure range. The asymmetric lips are designed to differentiate the behavior of the lips on the static and dynamic surfaces: the static lip is flexible, more sensitive to pressure fluctuations and it guarantees a wide contact area; the dynamic lip is shorter and stronger to concentrate load against the dynamic surface. They can also be used in back-to-back arrangement for double acting piston. Pressure up to 400 bar.



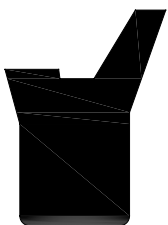
DKGD

The piston seal DKGD has a sealing rubber element with low permanent deformation that assures good sealing performance, two anti-extrusions rings with stabilizers to avoid the rotation of the rubber element, two angular wear rings which guide the piston in the cylinder and support radial loads. Pressure up to 400 bar.



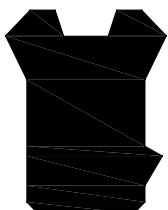
DUP

The seal type DUP is a high performance all purpose lip seal suitable for both rod and piston. The DUP profile assures a good reaction against shock pressure peaks and low friction in all conditions. Pressure up to 400 bar.



DSA

The function of the DSA wiper ring is to prevent introduction of dust, dirt and foreign matter into the system. This is achieved by a special wiper lip which produces a very effective cleaning action, prevents the development of scores, protects the guiding parts and extends the service life of the axial moving rod seals. An external sealing lip on the outside diameter contacts the housing in order to prevent moisture entering the groove. The internal ribs give stability and prevent twisting and sticking of the wiper in the groove.



DSD






Wear and dry run are largely prevented by additional lubricant retained within the gap created by the secondary lip. In some cases this second sealing lip may even acts as a substitute for a costly tandem sealing system when complete sealing under certain working conditions can only be achieved by two seals placed one behind the other in separate housing. Pressure up to 400 bar.



Hydraulic seals for high pressure







TO - TG Packing seals

TO and TG packing seals are composed of lip rings made of cotton fabric reinforced elastomer. TO and TG packing seals are suitable for reciprocating movements and can be fitted on rods as well as on pistons. They are available in a variety that covers all applications from light duty to the heaviest working conditions.

	ENERGISING RING: cotton fabric reinforced rubber; its function is to ensure a uniform pre-load to the seal.
	ENERGISING RING: special compound with resins to obtain a great resistance.
	INTERMEDIATE RING: cotton fabric reinforced rubber; the sealing ring.
	INTERMEDIATE RING: rubber; for application with low pressure and continuous vibrations.
	SUPPORT RING: cotton fabric reinforced rubber; its function is to support the entire series, it also has an optimal extrusion resistance.



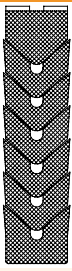
TO Series

Pressure: up to 40 MPa
 Speed: up to 0,5 m/s
 Temperature: up to 200°C depending on the elastomer

Type	TO 3	TO 5	TO 6	TO 7	TO 7/1	TO 7/0
COMPOSITION						
ENERGISING RING	1	1	1	1	1	1
FABRIC RUBBER INTERMEDIATE RING	1	2	3	3	4	5
RUBBER INTERMEDIATE RINGS	-	1	1	2	1	-
SUPPORT RING	1	1	1	1	1	1

TG Series

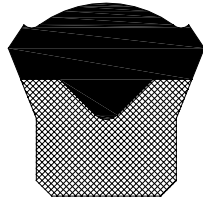
Pressure: up to 40 MPa
 Speed: up to 0,5 m/s
 Temperature: up to 200°C depending on the elastomer

Type	TG 5	TG 6	TG 7
COMPOSITION			
ENERGISING RING	1	1	1
FABRIC RUBBER INTERMEDIATE RINGS	3	4	5
SUPPORT RING	1	1	1



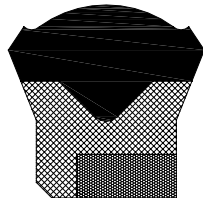
Hydraulic seals for medium high pressure

TEOL Packing seals



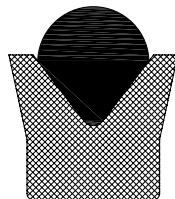
TEOL 1 (S8) Rod seal manufactured as an integral element, vulcanising a NBR sealing element on a reinforced cotton fabric base. Compact seal, even for standard housings according to ISO 5597.

Pressure: up to 20 MPa
Speed: up to 0,5 m/s



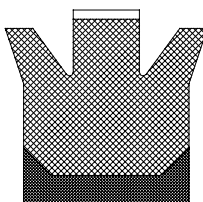
TEOL 1A (S24) Similar to TEOL/1 with an anti extrusion synthetic resin ring.

Pressure: up to 20 MPa
Speed: up to 0,5 m/s



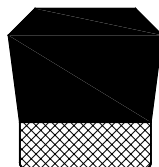
TEOL 2 (G10) Rod seal manufactured as an integral element by vulcanising together cotton fabric and NBR. Excellent resistance to wear and low friction.

Pressure: up to 20 MPa
Speed: up to 0,5 m/s



TEOL 8 (G18) Two parts rod seal: lip sealing part in fabric reinforced rubber and support part moulded in a special rigid fabric. Suitable in cases where hydraulic equipment is subjected to severe vibrations, shock and high pressure.

Pressure: up to 40 MPa
Speed: up to 0,5 m/s



TEOL 1/B Rod seal manufactured as an integral element by vulcanising together cotton fabric and NBR.

Pressure: up to 20 MPa
Speed: up to 0,5 m/s