

AT



The type AT rod seal ensures a good reaction against shock pressure peaks and reduced friction at any pressure.

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 variations, and provides a wide contact surface; the dynamic lip is shorter and stronger to concentrate the load against the dynamic surface.

The specific design of the seal significantly reduces the friction coefficient, especially at medium-high pressure.

Dedicated slide segments facilitate the return flow of fluid in the presence of back pressure. To maximize its potential, it is recommended

to use it in tandem with a bidirectional wiper. The material used for this seal is a special polyurethane with excellent wear-resistant properties, ensuring high durability and extrusion resistance.

- Low friction coefficient
- Excellent back-pumping capability
- High durability
- Extended service life
- Superior extrusion resistance
- Excellent wear resistance
- Good temperature resistance
- Unaffected by structural deformations
- Easy to install

MATERIAL



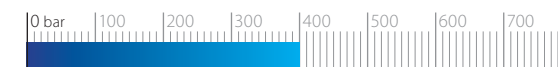
Type
Polyurethane

Designation
SEALPUR 94

Hardness
94 °ShA

FIELD OF APPLICATION

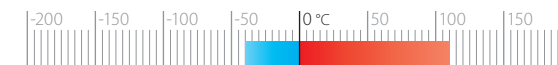
Pressure
≤ 400 bar



Speed
≤ 0.5 m/s



Temperature
-40°C ÷ +110°C



Fluids

Hydraulic oils (mineral oil based)
For other fluids contact our technical department

SURFACE ROUGHNESS

Dynamic surface
Static surface

Ra ≤ 0.3 µm
Ra ≤ 1.6 µm

Rt ≤ 2.5 µm
Rt ≤ 6.3 µm

GAP DIMENSION "g"

The largest gap dimension appearing in operation on the non-pressurised side:

100 bar	0.80 mm	300 bar	0.30 mm
200 bar	0.45 mm	400 bar	0.20 mm

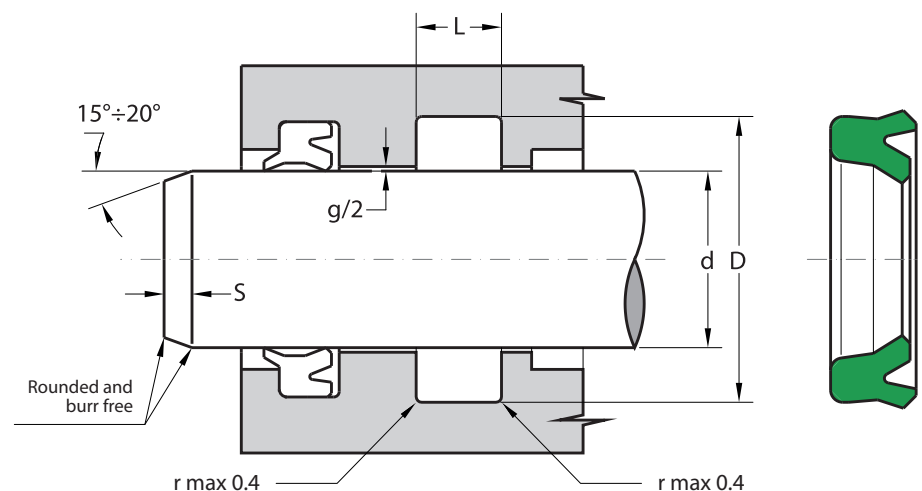
LEAD-IN CHAMFERS

d	Smin
less 100	5 mm
100÷200	7 mm
over 200	10 mm

To avoid damaging the sealing lips during installation, housing must have rounded chamfers. Sharp edges and burrs within the installation area of the seal must be removed.

The above data are maximum values, they may be maintained for short periods and can not be used at the same time simultaneously.

AT



Part.	d ^{f7}	D ^{H10}	L ^{+0.25}
AT 15 23 5.8	15	23.0	6.3
AT 16 24 5.8	16	24.0	6.3
AT 20 28 5.8	20	28.0	6.3
AT 22 30 5.8	22	30.0	6.3
AT 25 33 5.8	25	33.0	6.3
AT 30 40 6.5	30	40.0	7.5
AT 35 45 7	35	45.0	8.0
AT 36 46 7	36	46.0	8.0
AT 40 50 7	40	50.0	8.0
AT 45 55 7	45	55.0	8.0
AT 50 60 7	50	60.0	8.0
AT 60 70 7	60	70.0	8.0

Inch sizes

AT 2500 3000 0375	63.50	76.20	10.5
AT 2750 3125 0375	69.85	79.37	10.5
AT 3250 3625 0375	82.55	92.08	10.5
AT 3500 3875 0375	88.90	98.43	10.5
AT 4250 4625 0375	107.95	117.47	10.5
AT 5000 5375 0375	127.00	136.52	10.5
AT 5795 6170 0375	147.19	156.72	10.5