



- Due to application-optimized geometry and compounds suitable for use in oiled as well as in oil-free air (after initial lubrication on assembly).
- Bi-functional element: seal and wiper.
- Extreme wear resistance.
- Smooth running due to optimum lubricant-retaining sealing lip geometry.
- Excellent media resistance in case of suitable compound selection.
- Short axial assembly length.
- Installation in closed and undercut housings.
- The coordinated geometries of the seal and wiper lips achieve favourable friction coefficients and long service life.

Range of application

Working pressure

EL NBR N3582

≤ 10 bar

EL PUR P5008

≤ 16 bar

Working temperature

EL NBR N3582

-10 °C to +80 °C

EL PUR P5008

-35 °C to +80 °C

Surface speed

≤ 1 m/s

Media

Oiled as well as oil-free compressed air (after initial lubrication during assembly).

Compounds

Standard: N3582, a special NBR-based SFR® elastomer (≈ 85 Shore A). This compound offers excellent running properties, especially in the semi-frictional area.

for low temperatures: N8613, NBR compound (≈ 80 Shore A)

for high temperatures: V3839, FKM compound (≈ 90 Shore A)

Standard: P5008, PUR compound (≈ 94 Shore A)

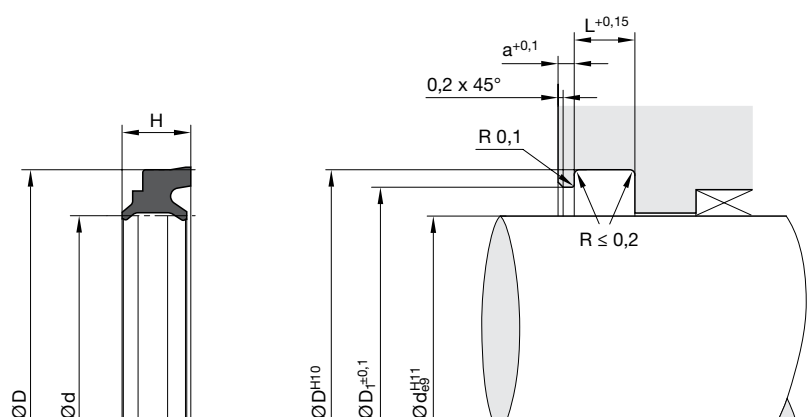
for low temperatures: P5009, PUR compound (≈ 94 Shore A)

Installation

The selfretaining profile EL pneumatic and seal/wiper is easily snapped into the groove before the piston is assembled into the cylinder.

Care should be taken that the sealing and the wiper lips are not damaged by sharp edges during installation. Initial lubrication on assembly is important for very long service life.

In case of special operating conditions (specific pressure loads, temperature, speed, use in water, HFA, HFB fluids etc.), please contact our consultancy service for a selection of the material and design best suited to your particular application requirements.



For surface finish, lead in chamfer and other installation dimensions see "General installation guidelines".

d	D	H	D ₁	L	a	Order code
EL NBR N3582						
4	8.2	4	6.7	3	0.8	EL 0040 N3582
6	11.2	5	9.1	3.6	1	EL 0058 N3582
8	14.2	5	12.1	3.6	1	EL 0082 N3582
10	16.2	6	14.1	4.2	1.2	EL 1016 N3582
12	18.2	6	15.5	4.2	1.2	EL 1018 N3582
16	23	6	18.8	4.2	1.2	EL 1060 N3582
EL PUR P5008						
4	8.2	4	6.7	3	0.8	EL 0040 P5008
6	11.2	5	9.1	3.6	1	EL 0058 P5008
6	12	7.4	9.2	5.4	1.2	EL 0060 P5008
8	14.2	5	12.1	3.6	1	EL 0082 P5008
10	16.2	6	14.1	4.2	1.2	EL 1016 P5008
10	18	7.9	14.2	5.9	1.2	EL 1017 P5008

Further sizes on request.