

The self-retaining EU rod seal/wiper ring for pneumatic cylinder piston rods performs three functions simultaneously:

Sealing, wiping, fixing.

- 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.
- Robust seal profile for harshest operating conditions.
- Extreme wear resistance.
- No risk of corrosion since the combined retainer and wiper part eliminates the need for additional wire circlips.
- Long service life due to coordinated geometries of the functional lips and compound selection.
- Smooth running due to optimum lubricant-retaining sealing lip geometry.
- Excellent media resistance in case of suitable compound selection.
- Identical housing for E7, E8, E9, EU, EF and ET.
- Installation in open housings.
- Low compression set.
- The coordinated geometries of the seal and wiper lips achieve favourable friction coefficients and long service life.

Range of application

Working pressure	≤ 16 bar
Working temperature	-35 °C to +80 °C ¹⁾
Surface speed	≤ 1 m/s
Media	Oiled as well as oil-free compressed air (after initial lubrication during assembly).

¹⁾ For higher temperatures, see profile E9.

Compounds

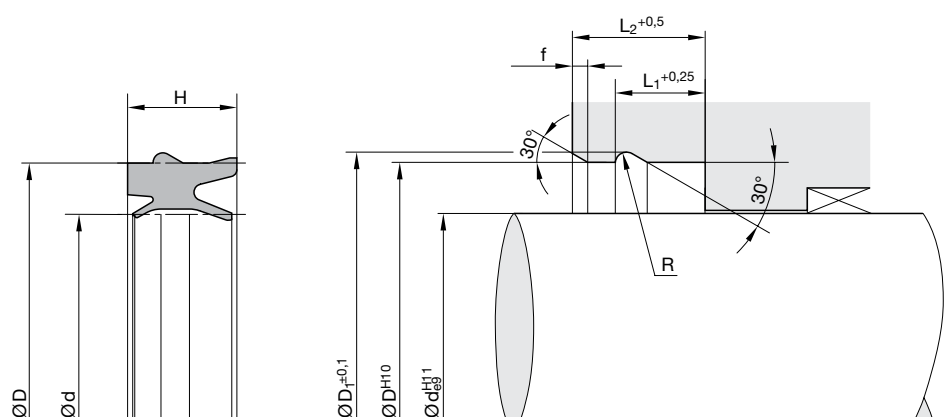
Standard: P5008, PUR Compound (≈ 94 Shore A)
for low temperatures: P5009, PUR Compound (≈ 94 Shore A)

Installation

The profile EU rod seal wiper is pushed into the housing with a circlip recess conforming to DIN 7993 (type B) and retained by the easy-to-snap in retainer ridge.

During assembly, care should be taken that neither the wiper nor the sealing lip be damaged by being pushed over any sharp edges.

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 suiting your particular application requirements.



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

d	D	H	D ₁	L ₁	L ₂	R	f	Order code
10	18	10.7	20	8.8	13	1.1	1.5	EU 1018 P5008
12	19	10	21	7.7	12	1	1.5	EU 1219 P5008
12	20	10.7	22	8.8	13	1.1	1.5	EU 1205 P5008
12	22	10.7	24	8.8	13	1.1	1.5	EU 1222 P5008
14	24	10.7	26	8.8	13	1.1	1.5	EU 1424 P5008
16	26	10.7	28	8.8	13	1.1	1.5	EU 1626 P5008
18	26	10.7	28	8.8	13	1.1	1.5	EU 1826 P5008
18	28	10.7	30	8.8	13	1.1	1.5	EU 1828 P5008
20	30	10.7	32	8.8	13	1.1	1.5	EU 2029 P5008
22	32	11.2	34.5	9.4	14	1.4	2	EU 2205 P5008
25	35	11.2	37.5	9.4	14	1.4	2	EU 2535 P5008
30	40	11.2	42.5	9.4	14	1.4	2	EU 3040 P5008
32	42	11.2	44.5	9.4	14	1.4	2	EU 3242 P5008
40	50	11.2	52.5	9.4	14	1.4	2	EU 4050 P5008
45	55	12.2	58.2	10.4	15	1.8	2	EU 4555 P5008
50	60	12.2	63.2	10.4	15	1.8	2	EU 5060 P5008
63	75	13	78.2	11.4	16	1.8	2	EU 6375 P5008

Further sizes on request.