The function of the profile A1 Ultrathan® wiper ring is to prevent dust, dirt, grains of sand and metal swarf from penetrating. This is achieved by a special design which largely prevents the development of chamfers, protects the guiding parts and extends the working life of the seals.
Oversized diameters ensure a tight fit in the groove thus preventing the penetration of foreign particles and dampness.
This profile A1 wiper ring provides a technically accurate closure at the cylinder; no screwrings and brackets are required. No close tolerances are necessary and no metal inserts. The corrosion which may occur with metal-cased wipers will be prevented. For the groove close tolerances are not required.

If minor quantities or other diameters are required, these may be cut from the next largest size having the same cross-section (for further instruction please refer to “Installation“).

- Extreme wear resistance.
- Excellent media resistance in case of suitable compound selection.
- Suitable compounds available for special requirements of the chemical process industry.
- Suitable compounds available for special requirements of the food processing industry.
- Dimensions according to DIN ISO 6195, Type E.
- Product geometry prevents dirt deposits at the front face of the cylinder.
- Installation in closed and undercut housings.
- Machined small-volume series and samples available with short lead times.

Range of Application

The profile A1 Ultrathan® wiper ring is designed for axially operated rods in hydraulic cylinders, plungers and rod guidances.

Working temperature	-35 °C to +110 °C
Surface speed	≤ 2 m/s

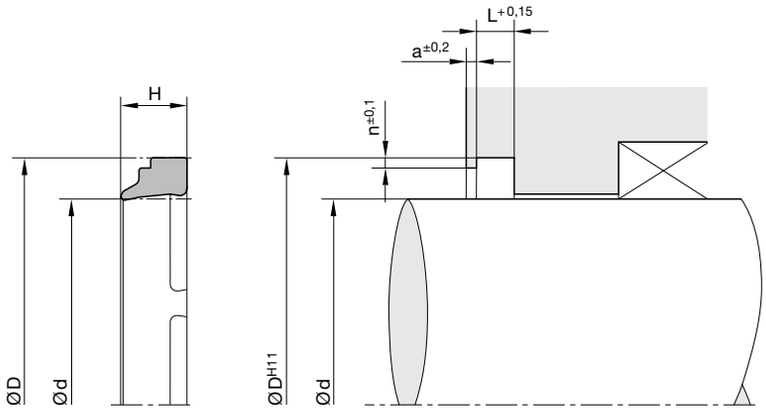
Compounds

The P5008 compound is a Parker material based on polyurethane with a hardness of approx. 93 Shore A. Its main advantages in comparison with other polyurethane materials currently available on the market are the increased heat resistance and the improved resistance against hydrolysis.

Installation

The profile A1 Ultrathan® wiper ring can be snapped into simple housings. The wiper lip should not come into contact with piston rod eye or their connecting pieces. It is however recommended that the wiper lip be positioned outside the housing so that the wiped-off dirt can be easily removed.

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	L	a	n	Order code
12	20	7	4	1	1	A1 1010 P5008
14	22	7	4	1	1	A1 1015 P5008
16	24	7	4	1	1	A1 1025 P5008
18	26	7	4	1	1	A1 1035 P5008
20	28	7	4	1	1	A1 2005 P5008
22	30	7	4	1	1	A1 2010 P5008
25	33	7	4	1	1	A1 2025 P5008
28	36	7	4	1	1	A1 2035 P5008
30	38	7	4	1	1	A1 3005 P5008
32	40	7	4	1	1	A1 3010 P5008
35	43	7	4	1	1	A1 3025 P5008
36	44	7	4	1	1	A1 3030 P5008
38	46	7	4	1	1	A1 3035 P5008
40	48	7	4	1	1	A1 4005 P5008
42	50	7	4	1	1	A1 4015 P5008
45	53	7	4	1	1	A1 4030 P5008
48	56	7	4	1	1	A1 4050 P5008
50	58	7	4	1	1	A1 5005 P5008
50	62	10	5.5	1.5	1.5	A1 5010 P5008
55	63	7	4	1	1	A1 5035 P5008
56	64	7	4	1	1	A1 5040 P5008
60	68	7	4	1	1	A1 6005 P5008
62	70	7	4	1	1	A1 6015 P5008
63	71	7	4	1	1	A1 6020 P5008
65	73	7	4	1	1	A1 6030 P5008
70	78	7	4	1	1	A1 7005 P5008
70	82	10	5.5	1.5	1.5	A1 7008 P5008
75	83	7	4	1	1	A1 7025 P5008
78	86	7	4	1	1	A1 7040 P5008
80	88	7	4	1	1	A1 8002 P5008
80	92	10	5.5	1.5	1.5	A1 8003 P5008
85	93	7	4	1	1	A1 8025 P5008
90	98	7	4	1	1	A1 9005 P5008
95	103	7	4	1	1	A1 9030 P5008

d	D	H	L	a	n	Order code
97	105	7	4	1	1	A1 9045 P5008
100	108	7	4	1	1	A1 A010 P5008
105	117	10	5.5	1.5	1.5	A1 A035 P5008
110	122	10	5.5	1.5	1.5	A1 B010 P5008
120	132	10	5.5	1.5	1.5	A1 C010 P5008
125	137	10	5.5	1.5	1.5	A1 C020 P5008
128	140	10	5.5	1.5	1.5	A1 C035 P5008
130	142	10	5.5	1.5	1.5	A1 D010 P5008
140	152	10	5.5	1.5	1.5	A1 E010 P5008
145	157	10	5.5	1.5	1.5	A1 E035 P5008
150	162	10	5.5	1.5	1.5	A1 F005 P5008
160	172	10	5.5	1.5	1.5	A1 G010 P5008
170	182	10	5.5	1.5	1.5	A1 H010 P5008
180	192	10	5.5	1.5	1.5	A1 J010 P5008
190	202	10	5.5	1.5	1.5	A1 K015 P5008
200	212	10	5.5	1.5	1.5	A1 L003 P5008
220	235	13	6.5	2	2	A1 M010 P5008
230	245	13	6.5	2	2	A1 M016 P5008
240	255	13	6.5	2	2	A1 N015 P5008
260	275	13	6.5	2	2	A1 O005 P5008
275	290	13	6.5	2	2	A1 O075 P5008
325	340	13	6.5	2	2	A1 Q032 P5008

Further sizes on request.