



Hydraulic Seals



TRIDENT PRECISION INTERNATIONAL

151, SECTOR-06, IMT MANESAR, GURGAON, HARYANA

122050

 0124-4101151

 WWW.TRIDENTPRECISION.IN

 sales@tridentprecision.in



The wear-resistant Ultrathan® AY double wiper ring serves to prevent ingress of dust, dirt, sand and swarf. This is achieved by its special design which largely prevents scoring, protects the guiding parts and extends the service life of the seals. In addition, the sealing lip facing the media side reduces the residual oil film. The AY double wiper ring closes the cylinder vis-à-vis the environment.

The AY wiper can be installed in undercut grooves without requiring special screwings or brackets. In addition to higher wear resistance, the utilization of polyurethane offers good resistance against ozone and UV radiation. When PTFE rod seals are used we recommend the combination with the Ultrathan® AY wiper to minimize the residual oil film.

- 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 C.
- Installation in closed and undercut housings.
- Additional sizes of machined products available on short notice.

Range of application

For axially operated rods in hydraulic and pneumatic working cylinders, tappets and rod guidances.

Operating temperature	-35 °C to +100 °C
Pneumatics	-35 °C to +80 °C
Sliding speed	≤ 2 m/s

Compounds

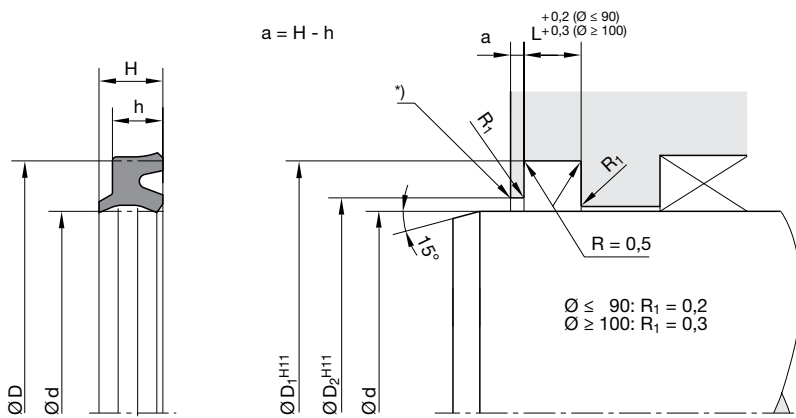
Ultrathan® P5008 is a polyurethane-based Parker compound with a hardness of approx. 93 Shore A. In comparison with other polyurethane materials currently available on the market it excels because of its increased heat resistance, improved against hydrolysis, and lower compression set values.

Installation

The profile AY double lip wiper ring can easily be snapped into grooves of simple design. Any contact of the wiper lip with piston rod eyes or other connecting parts should be avoided.

However, we recommend the wiper lip to be out-side the housing, so that the wiped-off dirt falls off.

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.



* Edges deburred

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

d	D	H	h	D ₂	L	ISO ¹⁾	Order code
8	13	4.1	3.1	10.5	3.5		AY 0080 P5008
10	16	4.8	3.6	12.5	4	·	AY 1003 P5008
12	18	4.8	3.6	14.5	4	·	AY 1020 P5008
14	20	4.8	3.6	16.5	4	·	AY 1040 P5008
15	21	4.8	3.6	17.5	4		AY 1521 P5008
16	22	4.8	3.6	18.5	4	·	AY 1059 P5008
18	24	4.8	3.6	20.5	4	·	AY 1080 P5008
20	26	4.8	3.6	22.5	4	·	AY 2026 P5008
22	28	4.8	3.6	24.5	4	·	AY 2020 P5008
25	31	4.8	3.6	27.5	4	·	AY 2050 P5008
28	36	5.8	4.5	31	5	·	AY 2080 P5008
30	38	5.8	4.5	33	5		AY 3001 P5008
32	40	5.8	4.5	35	5	·	AY 3002 P5008
35	43	5.8	4.5	38	5		AY 3039 P5008
36	44	5.8	4.5	39	5	·	AY 3060 P5008
37	45	5.8	4.5	40	5		AY 3070 P5008
40	48	5.8	4.5	43	5	·	AY 4002 P5008
45	53	5.8	4.5	48	5	·	AY 4045 P5008
50	58	5.8	4.5	53	5	·	AY 5002 P5008
51	59	5.8	4.5	54	5		AY 5010 P5008
55	65	6.8	5.3	58	6		AY 5050 P5008
56	66	6.8	5.3	59	6	·	AY 5060 P5008
60	70	6.8	5.3	63	6		AY 6003 P5008
63	73	6.8	5.3	66	6	·	AY 6030 P5008
65	75	6.8	5.3	68	6		AY 6065 P5008
70	80	6.8	5.3	73	6	·	AY 7000 P5008
75	85	6.8	5.3	78	6		AY 7085 P5008
80	90	6.8	5.3	83	6	·	AY 8030 P5008
85	95	6.8	5.3	88	6		AY 8050 P5008
90	100	6.8	5.3	93	6	·	AY 9000 P5008
100	110	6.8	5.3	103	6	·	AY A005 P5008
110	125	9.5	7.5	114	8.5	·	AY B000 P5008
120	135	9.5	7.5	124	8.5	·	AY C020 P5205
125	140	9.5	7.5	129	8.5	·	AY C030 P5008

d	D	H	h	D ₂	L	ISO ¹⁾	Order code
138	158	9.5	7.5	142	8.5		AY D838 P5008
140	155	9.5	7.5	144	8.5	·	AY E001 P5008
160	175	9.5	7.5	164	8.5	·	AY G001 P5008

1) DIN ISO 6195, Type C, for ISO 6020-2 cylinders.
Further sizes on request.