

ATF-B wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side holds back the residual oil film passing the rod seal.

This wiper is composed of a dynamic PTFE ring with a scraper lip respectively sealing lip positioned back-to-back.

PTFE material assures low friction and high speed performance and has also **high compatibility** with nearly all media due to his chemical resistance which exceeds that of all other thermoplastics and elastomers.

The elastomer O-ring on the static side works as an energising ring and pressurises the scraper lips against the sliding surface and thereby can also compensate deflections of the piston rod.

If necessary, different O-ring materials can be chosen to suit the application.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions

Temperature	-30°C to 100°C
Speed	≤ 15 m/s

Materials

Dynamic sealing element ①	PT55
Energising element ②	NBR

Assembly

O-ring and PTFE-ring may easily be mounted into the grooved housing (above 30 mm)

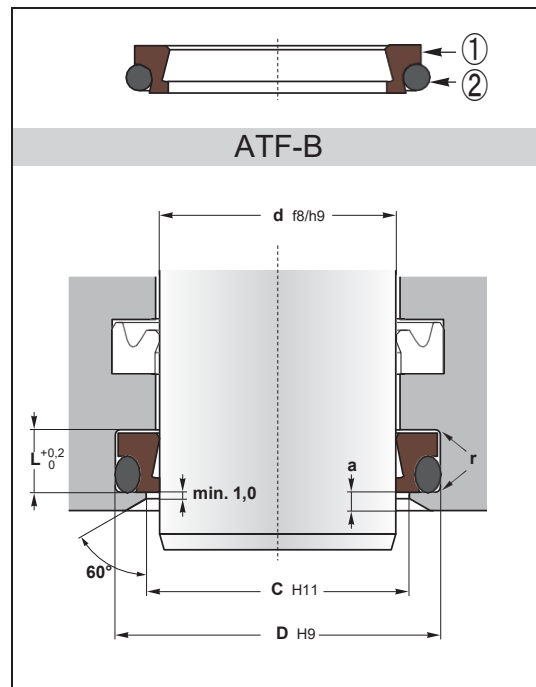
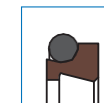
Advantages

- Low running friction
- No stick-slip
- Long life
- Small section
- Extreme temperatures -45°C up to 200°C with the right O-ring
- Very good scraping effect from the inside against the residual oil film adhering to the piston rod

Please contact us for applications approaching maximum values.

d (mm)		L (mm)	D (mm)	C (mm)	a min. (mm)	O-ring ②
Standard range	Extended range					
6 → 11,9	6 → 13	3,7	d+4,8	d+1,5	2	1,78
12 → 64,9	10 → 245	5	d+6,8	d+1,5	2	2,62
65 → 250,9	25 → 400	6	d+8,8	d+1,5	3	3,53
251 → 420,9	40 → 655	8,4	d+12,2	d+2	4	5,34
421 → 650,9	110 → 655	11	d+16	d+2	4	7
651 → 999,9	140 → 999,9	14	d+20	d+2,5	5	8,4
≥ 1000		14	d+20	d+2,5	5	8,4

d	D	L	C	r	a min	ISO 6195/D	Reference
6	10,8	3,7	7,5	0,4	2	•	ATF-B-0060
8	12,8	3,7	9,5	0,4	2	•	ATF-B-0080
10	14,8	3,7	11,5	0,4	2	•	ATF-B-0100
12	18,8	5	13,5	0,7	2	•	ATF-B-0120
14	20,8	5	15,5	0,7	2	•	ATF-B-0140
15	21,8	5	16,5	0,7	2		ATF-B-0150
16	22,8	5	17,5	0,7	2	•	ATF-B-0160
18	24,8	5	19,5	0,7	2	•	ATF-B-0180
20	26,8	5	21,5	0,7	2	•	ATF-B-0200
22	28,8	5	23,5	0,7	2	•	ATF-B-0220
25	31,8	5	26,5	0,7	2	•	ATF-B-0250
28	34,8	5	29,5	0,7	2	•	ATF-B-0280
30	36,8	5	31,5	0,7	2		ATF-B-0300
32	38,8	5	33,5	0,7	2	•	ATF-B-0320
35	41,8	5	36,5	0,7	2		ATF-B-0350
36	42,8	5	37,5	0,7	2	•	ATF-B-0360
40	46,8	5	41,5	0,7	2	•	ATF-B-0400
42	48,8	5	43,5	0,7	2		ATF-B-0420
45	51,8	5	46,5	0,7	2	•	ATF-B-0450
50	56,8	5	51,5	0,7	2	•	ATF-B-0500
55	61,8	5	56,5	0,7	2		ATF-B-0550
56	62,8	5	57,5	0,7	2	•	ATF-B-0560
60	66,8	5	61,5	0,7	2		ATF-B-0600
63	69,8	5	64,5	0,7	2	•	ATF-B-0630
65	73,8	6	66,5	1	3		ATF-B-0650
70	78,8	6	71,5	1	3	•	ATF-B-0700
75	83,8	6	76,5	1	3		ATF-B-0750
80	88,8	6	81,5	1	3	•	ATF-B-0800
85	93,8	6	86,5	1	3		ATF-B-0850
90	98,8	6	91,5	1	3	•	ATF-B-0900
95	103,8	6	96,5	1	3		ATF-B-0950
100	108,8	6	101,5	1	3	•	ATF-B-1000
105	113,8	6	106,5	1	3		ATF-B-1050
110	118,8	6	111,5	1	3	•	ATF-B-1100
115	123,8	6	116,5	1	3		ATF-B-1150
120	128,8	6	121,5	1	3		ATF-B-1200
125	133,8	6	126,5	1	3	•	ATF-B-1250
130	138,8	6	131,5	1	3		ATF-B-1300
135	143,8	6	136,5	1	3		ATF-B-1350
140	148,8	6	141,5	1	3		ATF-B-1400
150	158,8	6	151,5	1	3		ATF-B-1500
153	161,8	6	154,5	1	3		ATF-B-1530



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160	168,8	6	161,5	1	3		ATF-B-1600
170	178,8	6	171,5	1	3		ATF-B-1700
173	181,8	6	174,5	1	3		ATF-B-1730
180	188,8	6	181,5	1	3		ATF-B-1800
190	198,8	6	191,5	1	3		ATF-B-1900
200	208,8	6	201,5	1	3		ATF-B-2000
240	248,8	6	241,5	1	3		ATF-B-2400

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