

ATF-P 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.

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Compared to ATF-B, ATF-P are more robust and used particularly for heavy-duty applications such as in construction machinery, presses, etc.

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 70 Sh A

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

- Advantages**
- High speed performance
 - Low static and dynamic friction
 - No stick-slip and extended service life
 - Can compensate rod deflections
 - Very good scraping effect against impurities and from the inside against the residual oil film
 - High chemical compatibility with the right O-ring
 - Large temperature range -50°C up to 200°C with the right O-ring

Please contact us for applications approaching maximum values.

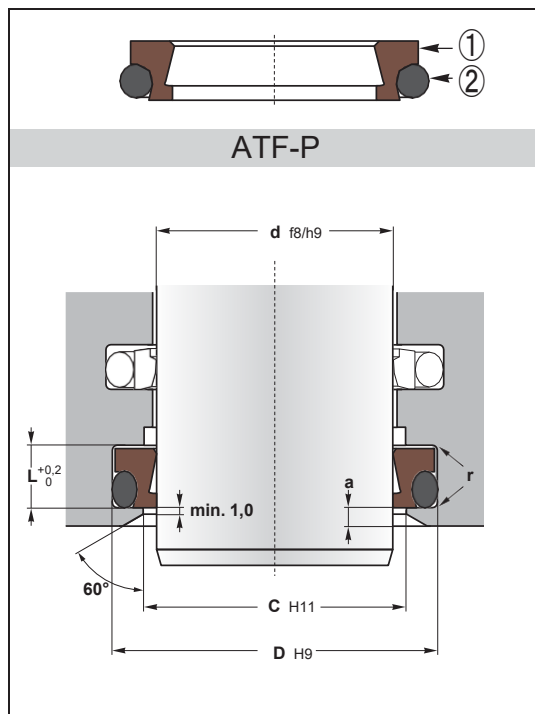
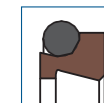
d (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
Standard range	Extended range					
19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
70 → 139,9	70 → 350	8,1	d + 12,2	d + 2	4	3,53
140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
≥ 1000		16	d + 27,3	d + 2,5	10	8,4

d	D	L	C	r	a _{min.}	O-ring NBR 70 Sh A	ISO 6185/D	Reference
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62	•	ATF-P-0200
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62	•	ATF-P-0250
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62	•	ATF-P-0280
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62		ATF-P-0300
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62	•	ATF-P-0320
36	43,6	4,2	37,5	0,8	3	39,34 x 2,62	•	ATF-P-0360
40	48,8	6,3	41,5	0,8	3	44,12 x 2,62	•	ATF-P-0400
42	50,8	6,3	43,5	0,8	3	45,69 x 2,62		ATF-P-0420
45	53,8	6,3	46,5	0,8	3	48,9 x 2,62	•	ATF-P-0450
50	58,8	6,3	51,5	0,8	3	53,64 x 2,62	•	ATF-P-0500
55	63,8	6,3	56,5	0,8	3	58,42 x 2,62		ATF-P-0550
56	64,8	6,3	57,5	0,8	3	59,99 x 2,62	•	ATF-P-0560
60	68,8	6,3	61,5	0,8	3	63,17 x 2,62		ATF-P-0600
63	71,8	6,3	64,5	0,8	3	66,34 x 2,62	•	ATF-P-0630
65	73,8	6,3	66,5	0,8	3	67,95 x 2,62		ATF-P-0650
70	82,2	8,1	72	1,5	4	75,79 x 3,53	•	ATF-P-0700
75	87,2	8,1	77	1,5	4	78,97 x 3,53		ATF-P-0750
80	92,2	8,1	82	1,5	4	85,32 x 3,53	•	ATF-P-0800
85	97,2	8,1	87	1,5	4	88,49 x 3,53		ATF-P-0850
90	102,2	8,1	92	1,5	4	94,84 x 3,53	•	ATF-P-0900
95	107,2	8,1	97	1,5	4	101,19 x 3,53		ATF-P-0950
100	112,2	8,1	102	1,5	4	104,37 x 3,53	•	ATF-P-1000
105	117,2	8,1	107	1,5	4	110,72 x 3,53		ATF-P-1050
110	122,2	8,1	112	1,5	4	113,89 x 3,53	•	ATF-P-1100
115	127,2	8,1	117	1,5	4	120,24 x 3,53		ATF-P-1150
120	132,2	8,1	122	1,5	4	123,42 x 3,53		ATF-P-1200
125	137,2	8,1	127	1,5	4	129,77 x 3,53	•	ATF-P-1250
130	142,2	8,1	132	1,5	4	136,12 x 3,53		ATF-P-1300
135	147,2	8,1	137	1,5	4	139,29 x 3,53		ATF-P-1350
140	156	9,5	142,5	1,5	5	145,42 x 5,34		ATF-P-1400
150	166	9,5	152,5	1,5	5	158,12 x 5,34		ATF-P-1500
160	176	9,5	162,5	1,5	5	164,47 x 5,34		ATF-P-1600
170	186	9,5	172,5	1,5	5	177,17 x 5,34		ATF-P-1700
180	196	9,5	182,5	1,5	5	183,52 x 5,34		ATF-P-1800
190	206	9,5	192,5	1,5	5	196,22 x 5,34		ATF-P-1900
200	216	9,5	202,5	1,5	5	202,57 x 5,34		ATF-P-2000
210	226	9,5	212,5	1,5	5	215,27 x 5,34		ATF-P-2100
220	236	9,5	222,5	1,5	5	227,97 x 5,34		ATF-P-2200
230	246	9,5	232,5	1,5	5	234,32 x 5,34		ATF-P-2300
240	256	9,5	242,5	1,5	5	247,02 x 5,34		ATF-P-2400
250	266	9,5	252,5	1,5	5	253,37 x 5,34		ATF-P-2500
260	276	9,5	262,5	1,5	5	266,07 x 5,34		ATF-P-2600



ATF-P

PTFE double acting wiper with energising ring



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d	D	L	C	r	a min	O-ring NBR 70 Sh A	ISO 6195/D	Reference
270	286	9,5	272,5	1,5	5	278,77 x 5,34		ATF-P-2700
280	296	9,5	282,5	1,5	5	291,47 x 5,34		ATF-P-2800
300	316	9,5	302,5	1,5	5	304,17 x 5,34		ATF-P-3000
320	336	9,5	322,5	1,5	5	329,57 x 5,34		ATF-P-3200
330	346	9,5	332,5	1,5	5	329,57 x 5,34		ATF-P-3300
350	366	9,5	352,5	1,5	5	354,97 x 5,34		ATF-P-3500
360	376	9,5	362,5	1,5	5	366,34 x 5,34		ATF-P-3600
380	396	9,5	382,5	1,5	5	380,37 x 5,34		ATF-P-3800
400	424	14	402,5	1,5	8	405,26 x 7		ATF-P-4000
530	554	14	532,5	1,5	8	532,26 x 7		ATF-P-5300

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