























Profile	Reference	Temp. (°C)*	Speed (m/s)*	Material	Dimensions (mm)	mm	inch	Page
5a Single acting wipers for closed housings								
	10WRM	-30 +100	0,8	NBR	5 ... 400	●		694 - 697
	11WRM...FPM	-10 +180	0,8	FPM	16 ... 180	●		698 - 699
	12AI	-45 +120 -20 +200	1	TPE (Hytre [®]) FPM	18 ... 500 18 ... 250	●		700 - 701
	10DSR	-30 +100	0,8	NBR	4 ... 450	●		702 - 703
	11DSR...FPM	-10 +180	0,8	FPM	16 ... 250	●		704 - 705
	10PWB	-30 +100	0,8	NBR	3/8" ... 4"	●		706 - 707
	10WRS	-30 +100	0,5	NBR	20 ... 140 3/4" ... 4" 1/4	●	●	708 - 709
	10WRM-P	-30 +100	0,8	PU	4 ... 300	●		710 - 713
	10WRM/PI	-30 +100	0,8	PU	1/2" ... 9"	●		714 - 717
	10PPW	-30 +100	0,8	PU	40 ... 140	●		718 - 719
	10DK	-30 +100	0,8	PU	18 ... 140	●		720 - 721
	10WNV	-30 +100	1	PU	16 ... 200	●		722 - 723
	10DSR/P	-30 +100	0,8	PU	6 ... 200	●		724 - 725
	10WAH	-30 +100	0,8	PU	35 ... 90	●		726 - 727
	10WRM-H	-30 +110	0,8	TPE	20 ... 420	●		728 - 729
	10DSR/H	-30 +110	0,8	TPE	25 ... 90	●		730 - 731
	10NW	-40 +100	0,8	PA + MoS ₂	16 ... 100 1/2" ... 4"	●	●	732 - 733
	10WHD	-40 +100	0,8	PA or POM	44,5 ... 200	●		734 - 735
	10WTF...A-12	-30 +100	15	PTFE/NBR	6 ... 200	●		736 - 737

* See page 8

Profile	Reference	Temp. (°C)*	Speed (m/s)*	Material	Dimensions (mm)	mm	inch	Page
5b Double acting wipers for closed housings								
	10UWR	-30 +100	0,8	NBR	5 ... 90	●		738 - 739
	11UWR...FPM	-10 +180	0,8	FPM	12 ... 100	●		740 - 741
	10DSR.../U	-30 +100	0,8	NBR	10 ... 500	●		742 - 745
	11DSR.../U FPM	-10 +180	0,8	FPM	20 ... 120	●		746 - 747
	10UWR/P	-30 +100	0,8	PU	4 ... 240	●		748 - 749
	10UWR/PI	-30 +100	0,8	PU	1/2" ... 8"	●		750 - 751
	10DSR.../UP	-30 +100	0,8	PU	10 ... 130	●		752 - 753
	10WUH	-30 + 100	0,8	PU	26 ... 100	●		754 - 755
	10WTF...B-55	-30 +100	15	PTFE/NBR	6 ... 240	●		756 - 757
	10WTF-C	-30 +100	5	PTFE/NBR	20 ... 400	●		758 - 759
	10WTF-P...B-55	-30 +100	15	PTFE/NBR	20 ... 530	●		760 - 763
	10WTF-D	-30 +100	5	PTFE/NBR	140 ... 360	●		764 - 765

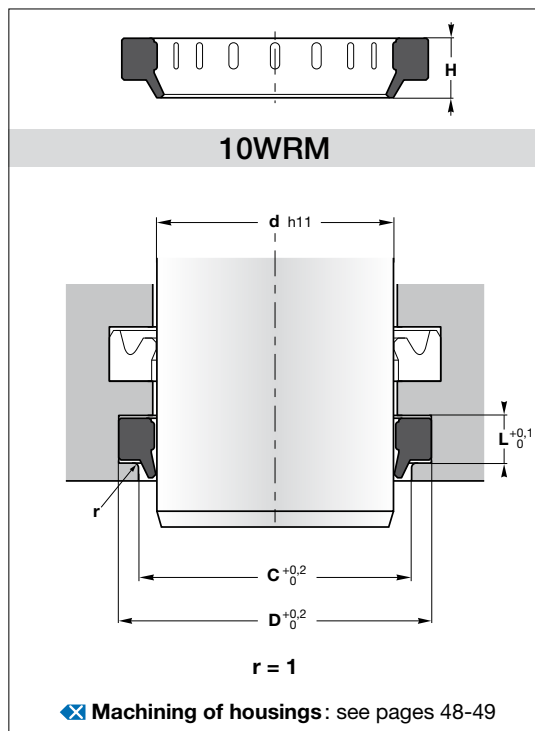
* See page 8

Profile	Reference	Temp. (°C)*	Speed (m/s)*	Material	Dimensions (mm)	mm	inch	Page
5c Wipers for open housings								
	10GA	-30 +100	0,8	NBR/ST	6 ... 220	●		766 - 769
	11GA...FPM	-10 +180	0,8	FPM/ST	12 ... 120	●		770 - 771
	10GA.../R	-30 +100	0,8	NBR/ST	8 ... 160	●		772 - 773
	10GA.../P	-30 +100	0,8	PU/ST	12 ... 180	●		774 - 775
	10PW.../G	-30 +100	0,5	PU/ST	8 ... 125	●		776 - 777
	10SWP	-30 +100	0,5	PU/ST	25 ... 190	●		778 - 781
	10SWP/I	-30 +100	0,5	PU/ST	5/8" ... 6"	●		782 - 783
	10SWPM	-30 +100	0,5	PU/ST	25 ... 140	●		784 - 785
	10PW.../U	-30 +100	0,5	PU/ST	20 ... 180	●		786 - 787
	20DR	-30 +110	1	MS/NBR/ST	12 ... 300	●		788 - 789
	20DR...SS/FPM/SS	-20 +180	1	SS/FPM/SS	14 ... 160	●		790 - 791
	20WICE	-30 +110 -10 +180 -50 +100	1	BZ/PU/NBR/ST BZ/FPM/FPM/ST BZ/PU22/TNBR/ST	18 ... 200	●		792 - 793

* See page 8

Profile	Reference	Temp. (°C)*	Speed (m/s)*	Material	Dimensions (mm)	mm	inch	Page
5d Wipers TSS								
	17WD17 Scraper DA17	-30 +110	1	NBR	12 ... 500	●		794 - 797
	17WD22 Zurcon® Scraper DA22	-30 +100	0,8	Zurcon® Z201	6 ... 180	●		798 - 799
	17WD24 Zurcon® Scraper DA24	-30 +100	0,5	Zurcon® Z201	40 ... 280	●		800 - 801
	17WD24H Zurcon® Scraper DA24	-30 +100	0,5	Zurcon® Z201	40 ... 280	●		800 - 801
	17WE3...-T/M...N Turcon® Excluder® 2	-30 +100	15	Turcon® T46/NBR	6 ... 400	●		802 - 805
	17WE3...-T/M...V Turcon® Excluder® 2	-20 +200	15	Turcon® T46/FPM	12 ... 110	●		806 - 809
	17WE3...-Z...N Zurcon® Excluder® 2	-30 +100	2	Zurcon® Z53/NBR	6 ... 400	●		810 - 811
	17WE3...-Z...V Zurcon® Excluder® 2	-20 +200	2	Zurcon® Z53/FPM	12 ... 110	●		812 - 813
	17WE5...-T/M...N Turcon® Excluder® 5	-30 +100	15	Turcon® T46/NBR	20 ... 400	●		814 - 817
	17WE5...-T/M...V Turcon® Excluder® 5	-20 +200	15	Turcon® T46/FPM	25 ... 125	●		818 - 821
	17WEP...-Z...N Zurcon® Excluder® 500	-30 +80	1	Zurcon® Z05/NBR	12 ... 130	●		822 - 823
	17WEP...-Z...V Zurcon® Excluder® 500	-20 +80	1	Zurcon® Z05/FPM	12 ... 130	●		824 - 825
	17WE5...-Z...N Zurcon® Excluder® 5	-30 +100	2	Zurcon® Z53/NBR	20 ... 250	●		826 - 829
	17WE5...-Z...V Zurcon® Excluder® 5	-20 +200	2	Zurcon® Z53/FPM	20 ... 250	●		830 - 833
	17WEY Zurcon® Excluder®	-30 +80	2	Zurcon® Z80/ NBR/SS	28 ... 140	●		834 - 835

* See page 8



The function of **10WRM** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

Operating conditions see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids see pages 22-45

Materials see pages 10-19

- Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Easy to assemble
- Good price-performance ratio
- Simple groove construction

Please contact us for applications approaching maximum values.

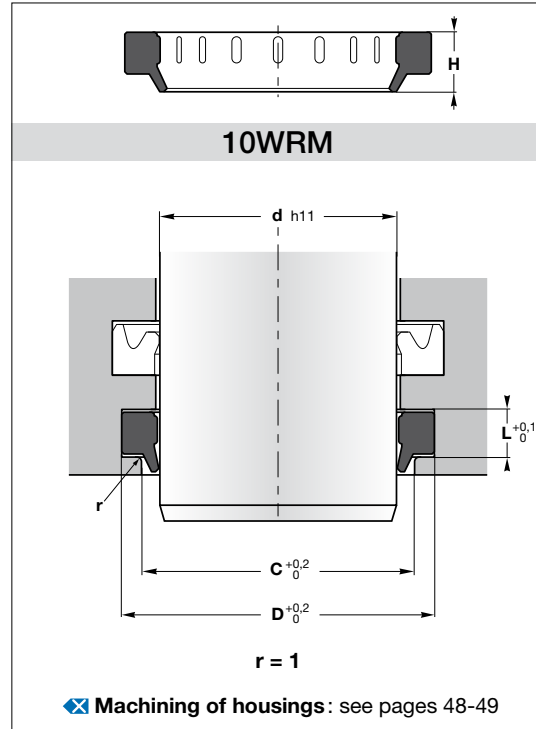
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
5	12	2,8	9	4	10WRM 019047
12	18,6	3,8	15	5,5	10WRM 047070
16	22,6	3,8	19	5,5	10WRM 062087
18	24,6	3,8	21	5	10WRM 070094
19	28,6	5,3	22	7	10WRM 074110
20	28,6	5,3	23	7	10WRM 078110
22	30,6	5,3	25	7	10WRM 086118
25	33,6	5,3	28	7	10WRM 098129
26	34,6	5,3	29	7	10WRM 102133
27	35,6	5,3	29,4	7	10WRM 106137
28	36,6	5,3	31	7	10WRM 110141
30	38,6	5,3	33	7	10WRM 118149
32	40,6	5,3	35	7	10WRM 125157
33	41,6	5,3	36	7	10WRM 129161
35	43,6	5,3	38	7	10WRM 137169
36	44,6	5,3	39	7	10WRM 141173
38	46,6	5,3	41	7	10WRM 149181
40	48,6	5,3	43	7	10WRM 157188
45	53,6	5,3	48	7	10WRM 177208
	55,6	5,3	49	7	10WRM 177216
50	58,6	5,3	53	7	10WRM 196228
	60,6	5,3	54	7	10WRM 196236
55	63,6	5,3	58	7	10WRM 216248
	65,6	5,3	59	7	10WRM 216255
56	64,6	5,3	59	7	10WRM 220251
	66,6	5,3	60	7	10WRM 220259
60	68,6	5,3	63	7	10WRM 236267
	70,6	5,3	64	7	10WRM 236275
63	71,6	5,3	66	7	10WRM 248279
	73,6	5,3	67	7	10WRM 248287

d	D	L	C	H	Reference
65	73,6	5,3	68	7	10WRM 255287
	75,6	5,3	69	7	10WRM 255295
70	78,6	5,3	73	7	10WRM 275307
	80,6	5,3	74	7	10WRM 275314
	82,2	7,1	76	12	10WRM 275322
75	87,2	7,1	81	12	10WRM 295345
78	92,2	7,1	85	12	10WRM 307362
80	88,6	5,3	83	7	10WRM 314346
	92,2	7,1	86	12	10WRM 314362
85	93,6	5,3	88	7	10WRM 334366
	97,2	7,1	91	12	10WRM 334381
88	100,2	7,1	94	12	10WRM 346393
90	102,2	7,1	96	12	10WRM 354401
95	107,2	7,1	101	12	10WRM 374421
100	112,2	7,1	106	12	10WRM 393440
105	117,2	7,1	111	12	10WRM 413460
110	122,2	7,1	116	12	10WRM 433480
115	127,2	7,1	121	12	10WRM 452500
120	128,6	5,3	123	7	10WRM 472504
	132,2	7,1	126	12	10WRM 472519
125	137,2	7,1	131	12	10WRM 492539
	140,2	10,1	132	16	10WRM 492551
135	147,2	7,1	141	12	10WRM 531578
140	152,2	7,1	146	12	10WRM 551598
	155,2	10,1	147	16	10WRM 551610
145	157,2	7,1	151	12	10WRM 570618
150	162,2	7,1	156	12	10WRM 590637
155	169,2	7,1	162	12	10WRM 610664
160	175,2	10,1	168	16	10WRM 629688
170	185,2	10,1	178	16	10WRM 669728
175	189,2	7,1	182	12	10WRM 688744

10WRM wipers with diameters between 20 and 1500 mm can be manufactured within short delivery time.
For prices and availability: www.sealtech-business.be



The function of **10WRM** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

Operating conditions see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

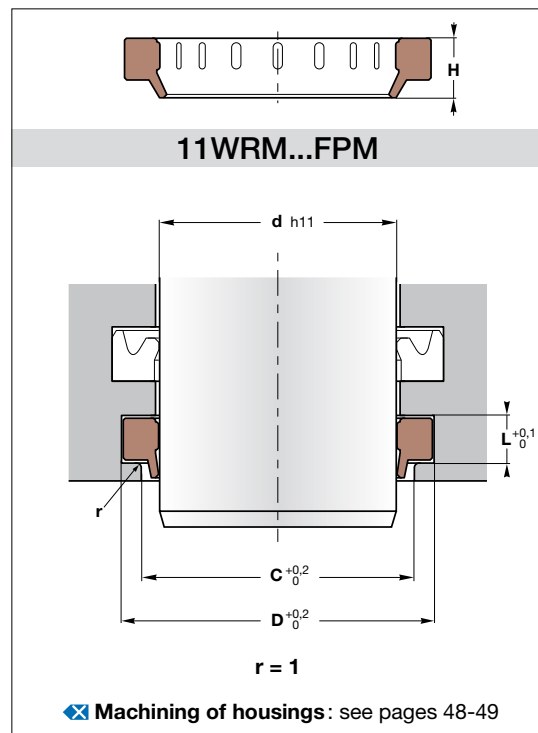
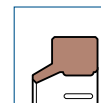
Easy to assemble
 Good price-performance ratio
 Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
180	195,2	10,1	188	16	10WRM 708767
	200,2	10,1	190	18	10WRM 708787
190	210,2	10,1	200	18	10WRM 748826
200	215,2	10,1	208	16	10WRM 787847
	220,2	10,1	210	18	10WRM 787866
210	230	10,2	220	18	10WRM 826905
240	260	10,2	250	18	10WRM 9441024
250	270	10,2	260	18	10WRM 9841062
280	300	10,2	290	18	10WRM 11021181
300	320	10,2	310	18	10WRM 11811259
320	340	10,2	330	18	10WRM 12591338
360	380	10,2	370	18	10WRM 14171496
400	420	10,2	410	18	10WRM 15741653



The function of **11WRM...FPM** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

The material used for this wiper is a fluorocarbon elastomer, especially suited for processes at **higher temperatures**. While also having better resistance to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions see page 8

Temperature	-10°C to 180°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Elastomer	FPM 90 Sh A
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Easy to assemble
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
16	22,6	3,8	19	5,5	11WRM 062087 FPM
18	24,6	3,8	21	5,5	11WRM 070094 FPM
20	28,6	5,3	23	7	11WRM 078110 FPM
22	30,6	5,3	25	7	11WRM 086118 FPM
25	33,6	5,3	28	7	11WRM 098129 FPM
28	36,6	5,3	31	7	11WRM 110141 FPM
30	38,6	5,3	33	7	11WRM 118149 FPM
32	40,6	5,3	35	7	11WRM 125157 FPM
35	43,6	5,3	38	7	11WRM 137169 FPM
36	44,6	5,3	39	7	11WRM 141173 FPM
40	48,6	5,3	43	7	11WRM 157188 FPM
45	53,6	5,3	48	7	11WRM 177208 FPM
	55,6	5,3	49	7	11WRM 177216 FPM
50	58,6	5,3	53	7	11WRM 196228 FPM
	60,6	5,3	54	7	11WRM 196236 FPM
55	65,6	5,3	59	7	11WRM 216255 FPM
56	66,6	5,3	60	7	11WRM 220259 FPM
60	68,6	5,3	63	7	11WRM 236267 FPM
	70,6	5,3	64	7	11WRM 236275 FPM
65	73,6	5,3	68	7	11WRM 255287 FPM
70	78,6	5,3	73	7	11WRM 275307 FPM
	80,6	5,3	74	7	11WRM 275314 FPM
80	88,6	5,3	83	7	11WRM 314346 FPM
	92,2	7,1	86	12	11WRM 314362 FPM
90	102,2	7,1	96	12	11WRM 354401 FPM
100	112,2	7,1	106	12	11WRM 393440 FPM
110	122,2	7,1	116	12	11WRM 433480 FPM
125	140,2	10,1	132	16	11WRM 492551 FPM
140	155,2	10,1	147	16	11WRM 551610 FPM
160	175,2	10,1	168	16	11WRM 629688 FPM
180	200	10,2	190	16	11WRM 708787 FPM

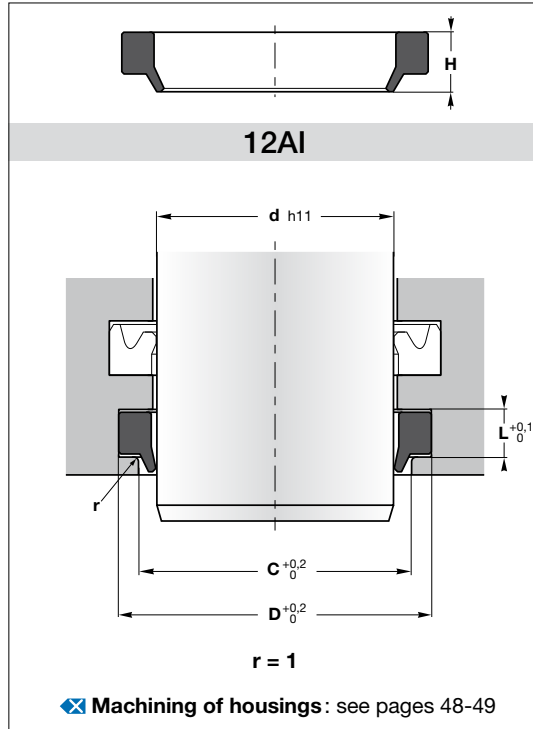


12AI

Standard Hytrel® rod wiper

HUNGER
Dichtungen

SEALTECH
Hydraulic Seals Technology



The function of **12AI** wiper is to keep out extremely fine dust, metal particles, grains of sand etc. such that the bearing elements and seals behind it are not subjected to premature wear as a result of contaminant ingress.

Operating conditions ✕ see page 8

Temperature
 Hytrel® -45°C to 120°C
 FPM -20°C to 200°C

Speed ≤ 1 m/s

Fluids ✕ see pages 22-45

Materials ✕ see pages 10-19

Seal Hytrel® or FPM

Assembly ✕ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

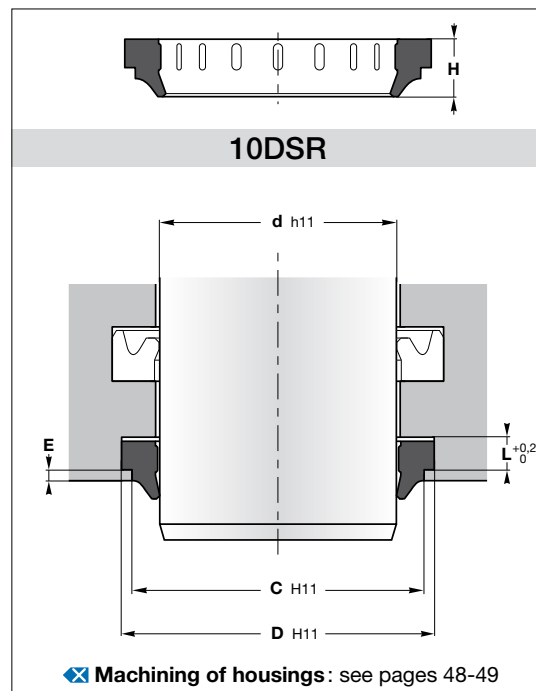
- Easy to assemble
- Good price-performance ratio
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
45	55,3	5,2	48	7	12AI 45
100	112	7,2	106	12	12AI 100
180	200	10,2	190	18	12AI 180
210	240	10,2	220	18	12AI 210
230	250	10,2	240	18	12AI 230



The function of **10DSR** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

The flush fitting with the outside diameter **reduces impurities** and moisture entering the groove.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Elastomer	NBR 90 Sh A
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

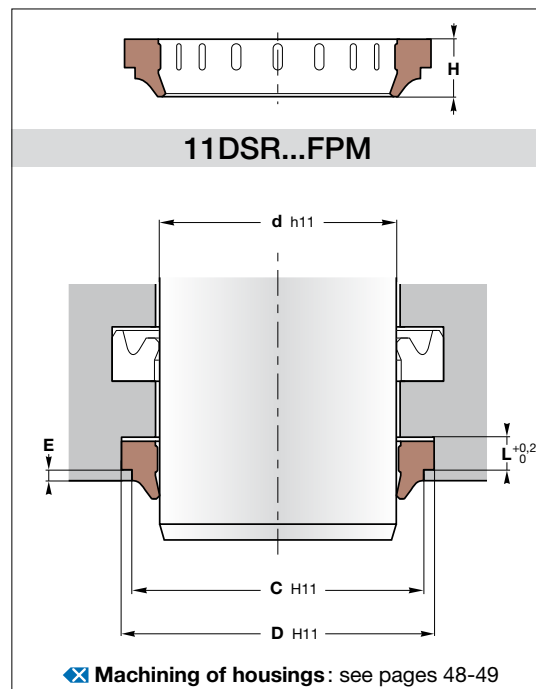
- Easy to assemble
- Good price-performance ratio
- Small housing
- Simple groove construction
- External flush fitting for a good housing
- No tilting or twisting in the groove
- Flush fitting with the outer surface for a good housing protection

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E	H	Reference	d	D	L	C	E	H	Reference
4	12	4	10	1	7	10DSR 04	70	78	4	76	1	7	10DSR 70
8	16	4	14	1	7	10DSR 08	75	83	4	81	1	7	10DSR 75
10	18	4	16	1	7	10DSR 10	80	88	4	86	1	7	10DSR 80
12	20	4	18	1	7	10DSR 12	85	93	4	91	1	7	10DSR 85
14	22	4	20	1	7	10DSR 14	90	98	4	96	1	7	10DSR 90
15	23	4	21	1	7	10DSR 15	95	103	4	101	1	7	10DSR 95
16	24	4	22	1	7	10DSR 16	100	108	4	106	1	7	10DSR 100
18	26	4	24	1	7	10DSR 18	105	117	5,5	114	1,5	7	10DSR 105
20	28	4	26	1	7	10DSR 20	110	122	5,5	119	1,5	10	10DSR 110
22	30	4	28	1	7	10DSR 22	110	118	4	116	1,5	10	10DSR 110/1
24	32	4	30	1	7	10DSR 24	120	132	5,5	129	1,5	10	10DSR 120
25	33	4	31	1	7	10DSR 25	125	137	5,5	134	1,5	10	10DSR 125
28	36	4	34	1	7	10DSR 28	130	142	5,5	139	1,5	10	10DSR 130
30	38	4	36	1	7	10DSR 30	140	152	5,5	149	1,5	10	10DSR 140
32	40	4	38	1	7	10DSR 32	150	162	5,5	159	1,5	10	10DSR 150
35	43	4	41	1	7	10DSR 35	155	167	5,5	164	1,5	10	10DSR 155
36	44	4	42	1	7	10DSR 36	160	172	5,5	169	1,5	10	10DSR 160
38	46	4	44	1	7	10DSR 38	170	182	5,5	179	1,5	10	10DSR 170
40	48	4	46	1	7	10DSR 40	180	192	5,5	189	1,5	10	10DSR 180
42	50	4	48	1	7	10DSR 42	190	202	5,5	199	1,5	10	10DSR 190
45	53	4	51	1	7	10DSR 45	200	212	5,5	209	1,5	10	10DSR 200
48	56	4	54	1	7	10DSR 48	210	225	6,5	221	1,5	13	10DSR 210
50	58	4	56	1	7	10DSR 50	220	235	6,5	231	1,5	13	10DSR 220
52	60	4	58	1	7	10DSR 52	240	255	6,5	251	1,5	13	10DSR 240
55	63	4	61	1	7	10DSR 55	250	265	6,5	261	1,5	13	10DSR 250
56	64	4	62	1	7	10DSR 56	300	315	6,5	311	1,5	13	10DSR 300
60	68	4	66	1	7	10DSR 60	340	355	6,5	351	1,5	13	10DSR 340
62	70	4	68	1	7	10DSR 62	450	465	6,5	461	1,5	13	10DSR 450
63	71	4	69	1	7	10DSR 63							
65	73	4	71	1	7	10DSR 65							



The function of **11DSR...FPM** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

The flush fitting with the outside diameter **reduces impurities** and moisture entering the groove.

The material used for this wiper is a fluorocarbon elastomer, especially suited for processes at **higher temperatures**. While also having better resistance to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions see page 8

Temperature	-10°C to 180°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Elastomer	FPM 90 Sh A
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

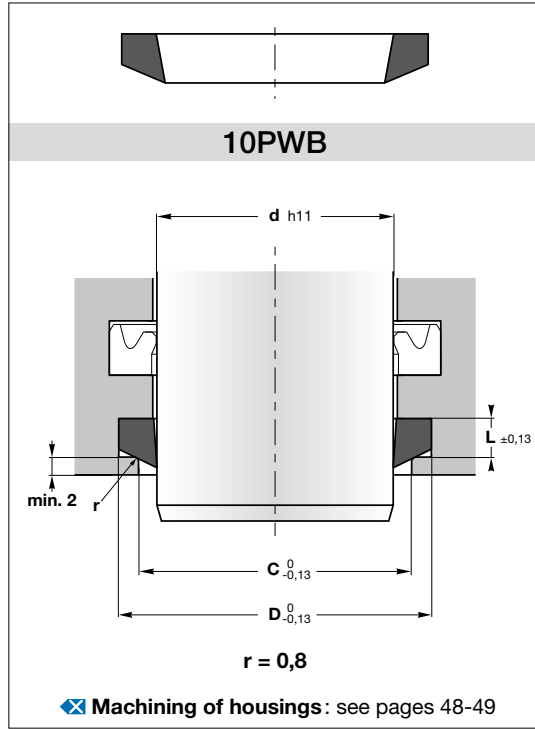
- Easy to assemble
- Small housing
- Simple groove design
- No tilting or twisting in the groove
- Up to 180°C
- Resistant to aggressive fuels and chemicals
- Flush fitting with the outer surface for a good housing protection

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

FPM seals					
d	D	L	C	H	Reference
16	24	4	22	7	11DSR 16 FPM
18	26	4	24	7	11DSR 18 FPM
20	28	4	26	7	11DSR 20 FPM
22	30	4	28	7	11DSR 22 FPM
25	33	4	31	7	11DSR 25 FPM
28	36	4	34	7	11DSR 28 FPM
30	38	4	36	7	11DSR 30 FPM
32	40	4	38	7	11DSR 32 FPM
35	43	4	41	7	11DSR 35 FPM
36	44	4	42	7	11DSR 36 FPM
40	48	4	46	7	11DSR 40 FPM
45	53	4	51	7	11DSR 45 FPM
50	58	4	56	7	11DSR 50 FPM
55	63	4	61	7	11DSR 55 FPM
56	64	4	62	7	11DSR 56 FPM
60	68	4	66	7	11DSR 60 FPM
63	71	4	69	7	11DSR 63 FPM
65	73	4	71	7	11DSR 65 FPM
70	78	4	76	7	11DSR 70 FPM
75	83	4	81	7	11DSR 75 FPM
80	88	4	86	7	11DSR 80 FPM
85	93	4	91	7	11DSR 85 FPM
90	98	4	96	7	11DSR 90 FPM
100	108	4	106	7	11DSR 100 FPM
110	122	5,5	119	10	11DSR 110 FPM
250	265	6,5	261	10	11DSR 250 FPM



The function of **10PWB** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper tip produces a cleaning action to avoid damage to all internal components.

The wiper is classified as a light duty wiper. Its compact design is making him ideal for cylinders where **reduced space** is an important factor.

Operating conditions  see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids  see pages 22-45

Materials  see pages 10-19

- Elastomer NBR 90 Sh A

Assembly  see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

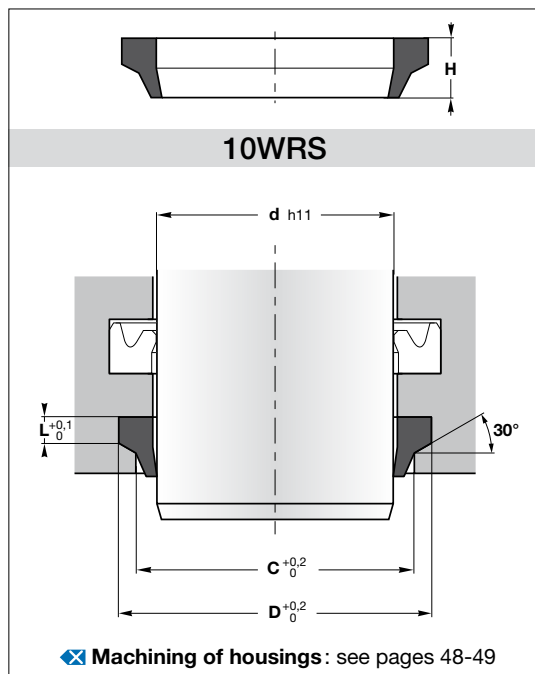
- Easy to assemble
- Good price-performance ratio
- Very small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	C	L	Reference
9,52	13,72	10,92	3,05	10PWB 375
12,7	17,27	14,22	3,3	10PWB 500
15,87	20,83	17,78	3,56	10PWB 625
19,05	24,13	20,83	3,56	10PWB 750
22,22	27,43	24,13	3,81	10PWB 875
25,4	31,5	27,43	4,06	10PWB 1000
28,57	34,92	30,73	4,06	10PWB 1125
31,75	37,85	33,78	4,32	10PWB 1250
34,92	41,27	37,08	4,32	10PWB 1375
38,1	44,96	40,39	4,57	10PWB 1500
41,27	47,75	43,69	4,57	10PWB 1625
44,45	51,56	46,99	4,83	10PWB 1750
47,62	54,86	50,04	4,83	10PWB 1875
50,8	58,42	53,34	5,08	10PWB 2000
53,97	61,72	56,64	5,33	10PWB 2125
57,15	65,28	59,94	5,33	10PWB 2250
60,32	68,58	63,25	5,59	10PWB 2375
63,5	72,14	66,29	5,59	10PWB 2500
66,67	75,44	69,6	5,84	10PWB 2625
69,85	78,99	72,9	5,84	10PWB 2750
73,02	82,3	6,1	76,2	10PWB 2875
76,2	85,85	79,5	6,1	10PWB 3000
82,55	92,71	86,11	6,35	10PWB 3250
88,9	99,57	92,46	6,86	10PWB 3500
95,25	106,43	99,06	7,11	10PWB 3750
101,6	113,28	105,66	7,37	10PWB 4000



The function of **10WRS** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

This type of wiper is used in cylinders for earthmoving machinery, mining cylinders or cylinders where the rod is exposed to **large deflections**.

Operating conditions ✦ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,5 m/s
- Fluids ✦ see pages 22-45

Materials ✦ see pages 10-19

- Elastomer NBR 90 Sh A

Assembly ✦ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

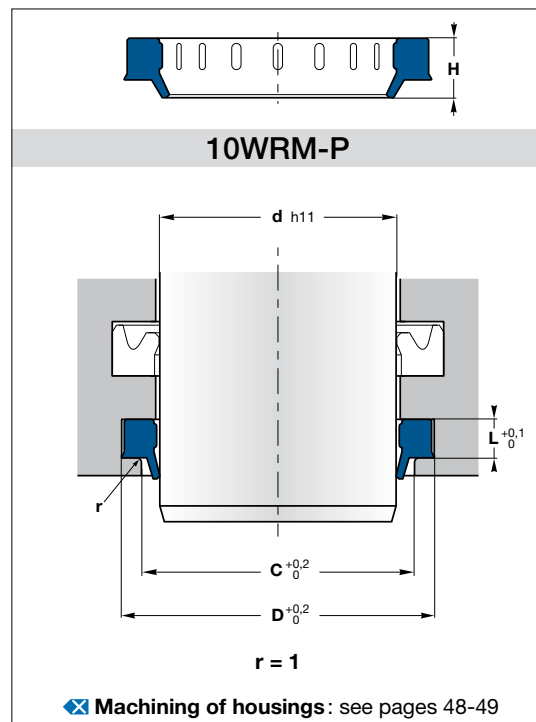
- Easy to assemble
- Good price-performance ratio
- Simple groove construction

Please contact us for applications approaching maximum values.

More information
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

Metric					
d	D	L	C	H	Reference
20	32,7	5,3	26,4	11	10WRS 078128
30	42,7	5,3	36,4	11	10WRS 118168
33	45,7	5,3	39,4	11	10WRS 129179
40	52,7	5,3	46,4	11	10WRS 157207
45	57,7	5,3	51,4	11	10WRS 177227
50	62,7	5,3	56,4	11	10WRS 196246
56	68,7	5,3	62,4	11	10WRS 220270
60	72,7	5,3	66,4	11	10WRS 236286
63	75,7	5,3	69,4	11	10WRS 248298
65	77,7	5,3	71,4	11	10WRS 255305
70	82,7	5,3	76,4	11	10WRS 275325
80	92,7	5,3	86,4	11	10WRS 315365
85	97,7	5,3	91,4	11	10WRS 334384
88	100,7	5,3	94,4	11	10WRS 346396
95	107,7	5,3	101,4	11	10WRS 374424
100	112,7	5,3	106,4	11	10WRS 393443
110	122,7	5,3	116,4	11	10WRS 433483
140	152,7	5,3	146,4	11	10WRS 551601

Inch					
d	D	L	C	H	Reference
19,05	31,75	5,3	25,45	11	10WRS 075125
25,4	38,1	5,3	31,8	11	10WRS 100150
28,57	41,27	5,3	34,97	11	10WRS 112162
38,1	50,8	5,3	44,1	11	10WRS 150200
44,45	57,15	5,3	50,85	11	10WRS 175225
47,62	60,32	5,3	54,02	11	10WRS 187237
50,8	63,5	5,3	57,2	11	10WRS 200250
53,97	66,67	5,3	60,37	11	10WRS 212262
57,15	69,85	5,3	63,55	11	10WRS 225275
63,5	76,2	5,3	69,9	11	10WRS 250300
76,2	88,9	5,3	82,4	11	10WRS 300350
82,55	95,25	5,3	88,95	11	10WRS 325375
107,95	120,65	5,3	114,35	11	10WRS 425475



The function of **10WRM-P** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

10WRM-P is a technical improvement compared to 10WRM profile. An external sealing lip on the static side contacts the housing in order to prevent intrusion of impurities via the outer diameter.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ✕ see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 10-19

Polyurethane	PU10
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Assembly ✕ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Good protection of the housing against external intrusion
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Good price-performance ratio
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

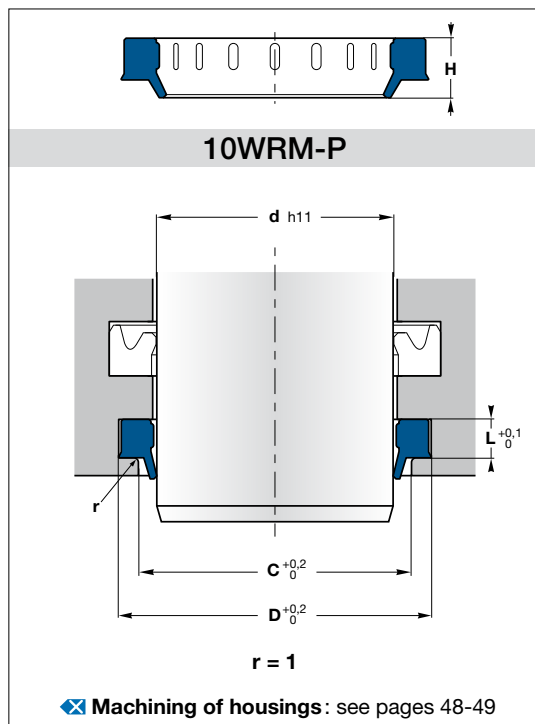
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference	d	D	L	C	H	Reference
4	12	3	9	4,5	10WRM-P 04	38	46,6 48,5	5,3 4,8	41	7	10WRM-P 38 10WRM-P 38/1
5	12	2,8	9	4	10WRM-P 05/S	40	48,6	5,3	43	7	10WRM-P 40
6	12	3	9	4,5	10WRM-P 06/S	42	50,6	5,3	45	7	10WRM-P 42
8	14,6	3,8	11	5	10WRM-P 08	45	53,6 55,6	5,3 5,3	48	7	10WRM-P 45 10WRM-P 45/1 10WRM-P 45/1B
9	13	2,5	12	4	10WRM-P 09/S	46	54,6	5,3	49	7	10WRM-P 46
10	15 16,6	1 3,8	13 13	2,5 5	10WRM-P 10/S 10WRM-P 10	48	56,6	5,3	51	7	10WRM-P 48
12	18,6	3,8	15	5	10WRM-P 12	50	58,6 60,6	5,3 5,3	53	7	10WRM-P 50 10WRM-P 50/1 10WRM-P 50/1B
13	19,6	3,8	16	5	10WRM-P 13	52	60,6	5,3	55	7	10WRM-P 52
14	20,6	3,8	17	5	10WRM-P 14	53	61,6	5,3	56	7	10WRM-P 53
15	21,6	3,8	18	5	10WRM-P 15	55	63,6 65,6	5,3 5,3	58	7	10WRM-P 55 10WRM-P 55/1
16	22,5 22,6	3 3,8	19 19	4,5 5	10WRM-P 16/1 10WRM-P 16	56	64,6 66,6	5,3 5,3	59	7	10WRM-P 56 10WRM-P 56/1
17	23,6	3,8	20	5	10WRM-P 17	60	68,6 70,6	5,3 5,3	63	7	10WRM-P 60 10WRM-P 60/1 10WRM-P 60/S
18	24,6	3,8	21	5	10WRM-P 18	61	69	5,3	64	7	10WRM-P 61/V
20	26 28,6	3,4 5,3	23 23	5 7	10WRM-P 20/1 10WRM-P 20	63	71,6 73,6	5,3 5,3	66	7	10WRM-P 63 10WRM-P 63/1
22	30,6 30,6	2,2 5,3	25 25	4 7	10WRM-P 22/1 10WRM-P 22	65	73,6 75,6	5,3 5,3	68	7	10WRM-P 65 10WRM-P 65/2 10WRM-P 65/1
24	32,6 32,6	2,2 5,3	27 27	4 7	10WRM-P 24/1 10WRM-P 24	68	76	5,3	71	7	10WRM-P 68/V
25	33,6	5,3	28	7	10WRM-P 25	70	78,6 80	5,3 5	73	7	10WRM-P 70 10WRM-P 70/2 10WRM-P 70/4
28	36,6	5,3	31	7	10WRM-P 28	73	80 80	6,3 6,3	74	7,5	10WRM-P 73
30	38,6 40	5,3 3	33 34,5	7 4,5	10WRM-P 30 10WRM-P 30/1	77	82,6 80	7,1 5	76	10	10WRM-P 77
32	40 40,6	3,7 5,3	35 35	5 7	10WRM-P 32/1 10WRM-P 32	79	84,6 84,6	5,3 5	78	7	10WRM-P 79
33	41,6	5,3	36	7	10WRM-P 33	81	86,6 86,6	5,3 5,3	79	7	10WRM-P 81
35	43,6 43,6 43,6	5 5,3 5	38 38 38	7 7 7	10WRM-P 35/1 10WRM-P 35 10WRM-P 35/1	83	88,6 88,6 88,6	5,3 5,3 5,3	81	7	10WRM-P 83
36	44,6	5,3	39	7	10WRM-P 36	85	90,6 90,6	5,3 5,3	82	7	10WRM-P 85



10WRM-P

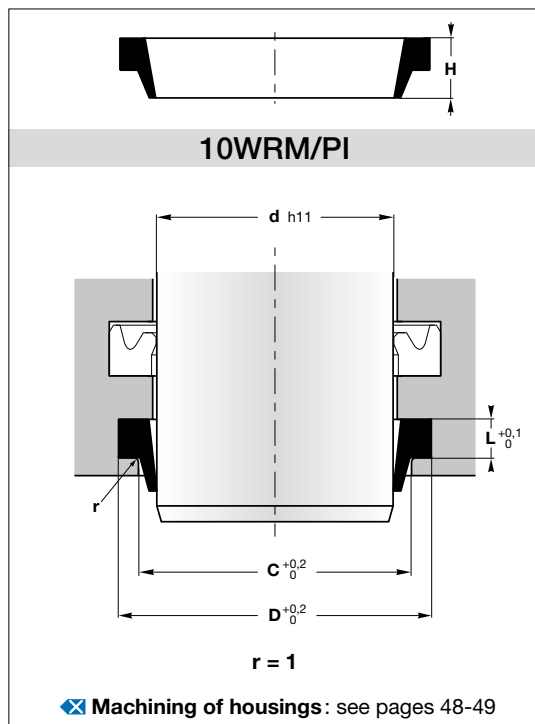
PU rod wiper with external lip



d	D	L	C	H	Reference
75	83,6	5,3	78	7	10WRM-P 75
	87,2	7,1	81	10	10WRM-P 75/1
76	84	5,3	79	7	10WRM-P 76/V
78	86	5	81	7	10WRM-P 78/2
	88,6	5,5	84,5	8	10WRM-P 78/S
	92,2	7,1	85	10	10WRM-P 78
80	88,6	5,3	83	7	10WRM-P 80
	90	6,3	84	7,5	10WRM-P 80/2
	90,6	5,3	83	7	10WRM-P 80/V1
	92,2	7,1	86	10	10WRM-P 80/1
85	93,6	5,3	88	7	10WRM-P 85/1
	97,2	7,1	91	10	10WRM-P 85
88	96	5,3	91	7	10WRM-P 88/V
90	98,6	5,3	93	7	10WRM-P 90/V
	102,2	7,1	96	10	10WRM-P 90
91	99	5,3	94	7	10WRM-P 91/V1
92	103,6	5,5	97	8	10WRM-P 92/S
93	101	5,3	96	7	10WRM-P 93
95	103,6	5,3	98	7	10WRM-P 95/V
	107,2	7,1	101	10	10WRM-P 95
97	105,6	5	100	7	10WRM-P 97/2
99	109,6	5,5	103	8	10WRM-P 99
100	108,6	5,3	103	7	10WRM-P 100/V
	112,2	7,1	106	10	10WRM-P 100
105	113,6	5,3	108	7	10WRM-P 105/V
	117,2	7,1	111	10	10WRM-P 105
107	115	5,3	110	7	10WRM-P 107/V
108	116,6	5,3	111	7	10WRM-P 108/V
110	118,6	5,3	113	7	10WRM-P 110/V
	122,2	7,1	116	10	10WRM-P 110
112	124,2	7,1	118	10	10WRM-P 112
115	123,6	5,3	118	7	10WRM-P 115/1
	127,2	7,1	121	10	10WRM-P 115
118	126	5	121	7	10WRM-P 118/2

d	D	L	C	H	Reference
120	128,6	5,3	123	7	10WRM-P 120/V
	130,6	5,5	126,5	8	10WRM-P 120/S
	132,2	7,1	126	10	10WRM-P 120
125	133,6	5,3	128	7	10WRM-P 125/V
	137,2	7,1	131	10	10WRM-P 125
	140	9,5	132	14	10WRM-P 125/3
	140,2	10,1	132	16	10WRM-P 125/1
126	134	5,3	129	7	10WRM-P 126/V1
128	140,2	7,1	134	10	10WRM-P 128
130	138,6	5,3	133	7	10WRM-P 130/1
	142,2	7,1	136	10	10WRM-P 130
135	147,2	7,1	141	10	10WRM-P 135
	150	9,5	145	14	10WRM-P 135/1
140	148,6	5,3	143	7	10WRM-P 140/V
	148,6	6	143	7,5	10WRM-P 140/2
	152,2	7,1	146	10	10WRM-P 140
	155	9	147	14	10WRM-P 140/1
	155,2	10,1	148	16	10WRM-P 140/3
141	151,6	5,5	147,5	8	10WRM-P 141/S
143	151	5	146	7	10WRM-P 143/2
	151	5,5	147	8	10WRM-P 143
145	157,2	7,1	151	10	10WRM-P 145
150	158,6	5,3	153	7	10WRM-P 150/2
	162,2	7,1	156	10	10WRM-P 150
	165,2	10,1	158	16	10WRM-P 150/3
155	163,6	5,3	158	7	10WRM-P 155/V
	167,2	7,1	161	10	10WRM-P 155
160	168,6	5,3	163	7	10WRM-P 160/V
	172,2	7,1	166	10	10WRM-P 160/1
	175	9,5	170	14	10WRM-P 160/2
	175,2	10,1	167,6	16	10WRM-P 160
162	172,6	5,5	168	8	10WRM-P 162/S
165	180,2	10,1	172,6	16	10WRM-P 165/5
170	178,6	5,3	173	7	10WRM-P 170/V
	180,6	5,3	173	7	10WRM-P 170/2
	185,2	10,1	178	16	10WRM-P 170

d	D	L	C	H	Reference
180	188,6	5,3	183	7	10WRM-P 180/V
	188,6	5,3	183	7	10WRM-P 180/1
	195,2	10,1	188	16	10WRM-P 180
	200	7	188	10	10WRM-P 180/2
	200	10,2	190	18	10WRM-P 180/3
183	193,6	5,5	189	8	10WRM-P 183/S
185	193,6	5,3	188	7	10WRM-P 185/V
190	198,6	5,3	193	7	10WRM-P 190/2
	205,2	10,1	198	16	10WRM-P 190
	210	10,1	200	16	10WRM-P 190/1
196	210,2	7,1	203	10	10WRM-P 196
200	208,6	5,3	203	7	10WRM-P 200/V
	215	9,5	210	14	10WRM-P 200/2
	215,2	10,1	208	16	10WRM-P 200
	220	10,2	210	18	10WRM-P 200/3
205	213,6	5,3	208	7	10WRM-P 205/V
207	217,6	5,5	213	8	10WRM-P 207/S
210	225,2	10,1	218	16	10WRM-P 210
220	235,2	10,1	228	16	10WRM-P 220
	240	10,1	230	16	10WRM-P 220/1
221	230	5,1	224	7	10WRM-P 221/V
228	236,6	5,3	231	7	10WRM-P 228/V
230	245,2	10,1	238	16	10WRM-P 230
240	255,2	10,1	248	16	10WRM-P 240
	260	10,2	250	16	10WRM/P 240/1
250	265,2	10,1	258	16	10WRM-P 250
	270	10,2	260	16	10WRM-P 250/1
260	275,2	10,1	268	16	10WRM-P 260/5
	280	10,2	270	16	10WRM-P 260
270	285,2	10,1	278	16	10WRM-P 270/5
275	290,2	10,1	283	16	10WRM-P 275/5
280	295,2	10,1	288	16	10WRM-P 280/5
	300	10,1	290	16	10WRM-P 280/1
290	305,2	10,1	298	16	10WRM-P 290/5
300	315,2	10,1	308	16	10WRM-P 300/5



✦ Machining of housings: see pages 48-49

The function of **10WRM-PI** wiper is to prevent introduction contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ✦ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids ✦ see pages 22-45

Materials ✦ see pages 10-19

- Polyurethane PU27

Assembly ✦ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Good price-performance ratio
- Small housing
- Simple groove construction

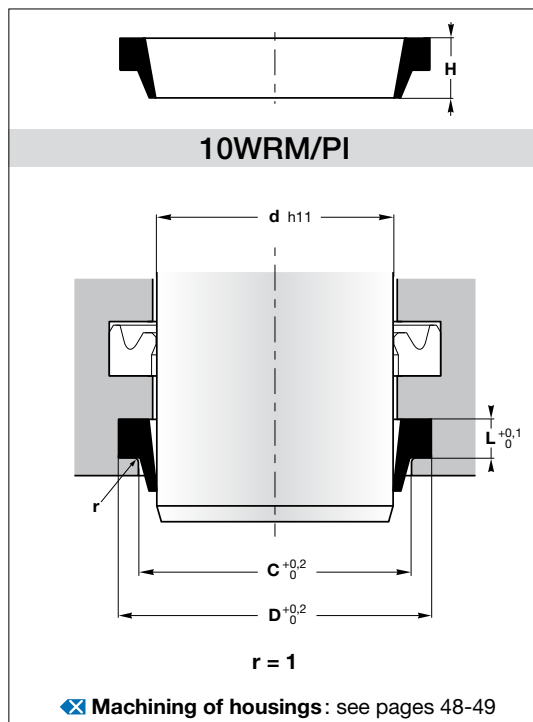
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

Inch dimensions					
d	D	L	C	H	Reference
12,7	19,05	3,2	16,76	5	10WRM/PI 050075
15,9	22,22	3,2	19,94	5	10WRM/PI 062087
19,05	25,65	2,72	22,78	3,9	10WRM/PI 075101
	28,57	4,8	24,88	7,1	10WRM/PI 075112
22,22	29,16	2,72	25,98	3,9	10WRM/PI 087114
	31,75	4,8	28,45	7,1	10WRM/PI 087125
25,4	32,33	2,72	29,16	3,9	10WRM/PI 100127
	34,92	4,8	31,62	7,1	10WRM/PI 100137
28,57	35,51	2,72	32,33	3,9	10WRM/PI 112139
	38,1	4,8	34,5	7,1	10WRM/PI 112150
31,75	38,68	2,72	35,51	3,9	10WRM/PI 125152
	41,27	4,8	37,97	7,1	10WRM/PI 125162
34,92	42,6	2,72	39,17	3,9	10WRM/PI 137167
	44,45	4,8	41,14	7,1	10WRM/PI 137175
38,1	45,77	2,72	42,37	3,9	10WRM/PI 150180
	47,62	4,8	44,32	7,1	10WRM/PI 150187
41,27	48,94	2,72	45,8	3,9	10WRM/PI 162193
	50,8	4,8	47,5	7,1	10WRM/PI 162200
44,45	52,12	2,72	48,72	3,9	10WRM/PI 175205
	53,97	4,8	50,67	7,1	10WRM/PI 175212
47,62	57,15	4,8	53,85	7,1	10WRM/PI 187225
50,8	58,47	2,72	55,32	3,9	10WRM/PI 200230
	63,5	6,4	59,18	9,6	10WRM/PI 200250
53,97	61,65	2,72	58,5	3,9	10WRM/PI 212243
	66,67	6,4	62,28	9,6	10WRM/PI 212262
57,15	64,82	2,72	61,67	3,9	10WRM/PI 225255
	69,85	6,4	65,46	9,6	10WRM/PI 225275
60,32	73,02	6,4	68,63	9,6	10WRM/PI 237287
63,5	71,17	2,72	68,02	3,9	10WRM/PI 250280
	76,2	6,4	71,81	9,6	10WRM/PI 250300
66,67	79,37	6,4	74,98	9,6	10WRM/PI 262312
69,85	79,1	3,1	75,16	4,5	10WRM/PI 275311
	82,55	6,4	78,17	9,6	10WRM/PI 275325

Inch dimensions					
d	D	L	C	H	Reference
73,02	85,72	6,4	81,33	9,6	10WRM/PI 287337
76,2	85,45	3,1	81,51	4,5	10WRM/PI 300336
	88,9	6,4	84,51	9,6	10WRM/PI 300350
79,37	92,02	6,4	87,68	9,6	10WRM/PI 312362
82,55	91,8	3,1	87,86	4,5	10WRM/PI 325361
	95,25	6,4	90,86	9,6	10WRM/PI 325375
85,72	98,42	6,4	94,03	9,6	10WRM/PI 337387
88,9	98,15	3,1	94,21	4,5	10WRM/PI 350386
	101,6	6,4	97,2	9,6	10WRM/PI 350400
92,02	101,32	3,1	97,3	4,5	10WRM/PI 362399
	104,77	6,4	100,38	9,6	10WRM/PI 362412
95,25	104,5	3,1	100,56	4,5	10WRM/PI 375411
	107,95	6,4	103,56	9,6	10WRM/PI 375425
	107,95	6,4	106,73	9,6	10WRM/PI 387437
101,6	112,45	3,51	107,7	5,5	10WRM/PI 400442
	114,3	6,4	109,9	9,6	10WRM/PI 400450
107,95	118,8	3,51	114,05	5,5	10WRM/PI 425467
	120,65	6,4	116,26	9,6	10WRM/PI 425475
111,13	123,82	6,4	119,43	9,6	10WRM/PI 437487
114,3	125,15	3,51	120,4	5,5	10WRM/PI 450492
	127	6,4	122,61	9,6	10WRM/PI 450500
	133,35	9,52	126,82	14,5	10WRM/PI 450525
120,65	131,5	3,51	126,75	5,5	10WRM/PI 475517
	139,7	9,52	133,17	14,5	10WRM/PI 475550
127	137,85	3,51	133,1	5,5	10WRM/PI 500542
	146,05	9,52	139,52	14,5	10WRM/PI 500575
133,35	144,2	3,51	139,45	5,5	10WRM/PI 525577
	146,05	6,4	139,7	9,6	10WRM/PI 525575
	146,56	3,51	139,5	5,5	10WRM/PI 525577
	152,4	9,52	145,87	14,5	10WRM/PI 525600
139,7	150,55	3,51	145,8	5,5	10WRM/PI 550592
	158,75	9,52	152,22	14,5	10WRM/PI 550625
146,05	158,47	3,92	152,96	6	10WRM/PI 575623
	165,1	9,52	158,57	14,5	10WRM/PI 575650
152,4	164,82	3,92	159,31	6	10WRM/PI 600648
	171,45	9,52	164,92	14,5	10WRM/PI 600675



The function of **10WRM-PI** wiper is to prevent introduction contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ✦ see page 8

Temperature -30°C to 100°C
Speed ≤ 0,8 m/s
Fluids ✦ see pages 22-45

Materials ✦ see pages 10-19

Polyurethane PU27

Assembly ✦ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

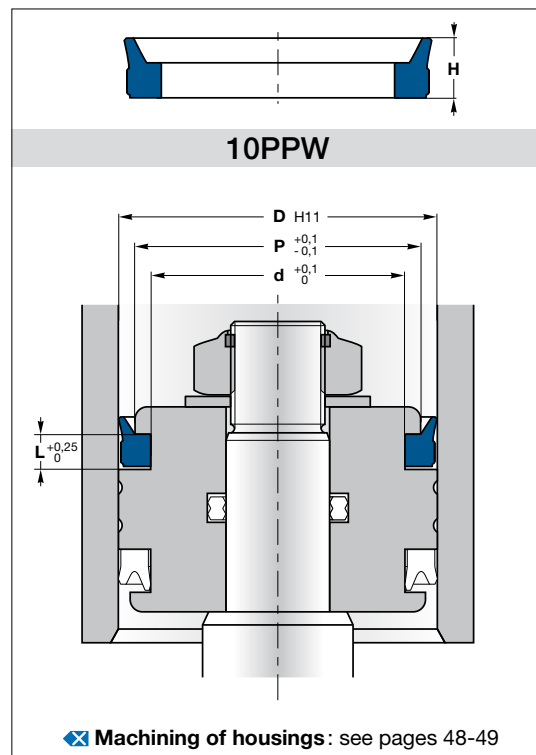
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Good price-performance ratio
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

Inch dimensions						Reference
d	D	L	C	H		
158,75	177,8	9,52	171,27	14,5	10WRM/PI	625700
165,1	177,52	3,92	172,01	6	10WRM/PI	650698
	184,15	9,52	177,62	14,5	10WRM/PI	650725
171,45	190,5	9,52	183,97	14,5	10WRM/PI	675750
177,8	190,22	3,92	184,71	6	10WRM/PI	700748
	196,85	9,52	190,32	14,5	10WRM/PI	700775
184,15	203,2	9,52	196,67	14,5	10WRM/PI	725800
190,5	202,92	3,92	197,41	6	10WRM/PI	750798
	209,55	9,52	203,02	14,5	10WRM/PI	750825
203,2	215,62	3,92	210,11	6	10WRM/PI	800848
	222,25	9,52	215,72	14,5	10WRM/PI	800875
228,6	241,02	3,92	235,51	6	10WRM/PI	900948
	247,65	9,52	241,12	14,5	10WRM/PI	900975



The function of **10PPW** external wiper is to prevent the introduction of contamination into single-acting cylinders which have an opening to the atmosphere on one side. The wiper lip produces an effective cleaning action on the cylinder surface and protects the guiding parts and the piston seal.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Polyurethane PU10

Assembly see pages 54-59

On one-piece pistons

Advantages

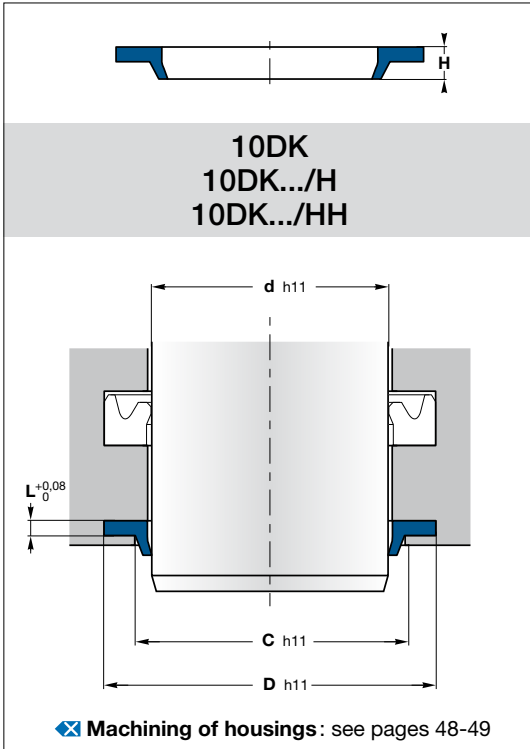
Excellent abrasion resistance
 Extended service life
 Easy to assemble
 Good price-performance ratio
 Small housing
 Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

D	d	L	P	H	Reference
40	31,4	5,3	37	7	10PPW 040
45	36,4	5,3	42	7	10PPW 045
50	41,4	5,3	47	7	10PPW 050
60	51,4	5,3	57	7	10PPW 060
63	54,4	5,3	60	7	10PPW 063
70	61,4	5,3	67	7	10PPW 070
75	66,4	5,3	72	7	10PPW 075
80	71,4	5,3	77	7	10PPW 080
90	81,4	5,3	87	7	10PPW 090
95	86,4	5,3	92	7	10PPW 095
100	91,4	5,3	97	7	10PPW 100
110	101,4	5,3	107	7	10PPW 110
115	106,4	5,3	112	7	10PPW 115
120	111,4	5,3	117	7	10PPW 120
125	116,4	5,3	122	7	10PPW 125
130	121,4	5,3	127	7	10PPW 130
140	131,4	5,3	137	7	10PPW 140



The function of **10DK** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The wiper has a small height making it ideal for use where reduced space is an important factor. This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ⚙️ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids ⚙️ see pages 22-45

Materials ⚙️ see pages 10-19

Polyurethane

Assembly ⚙️ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Very small housing

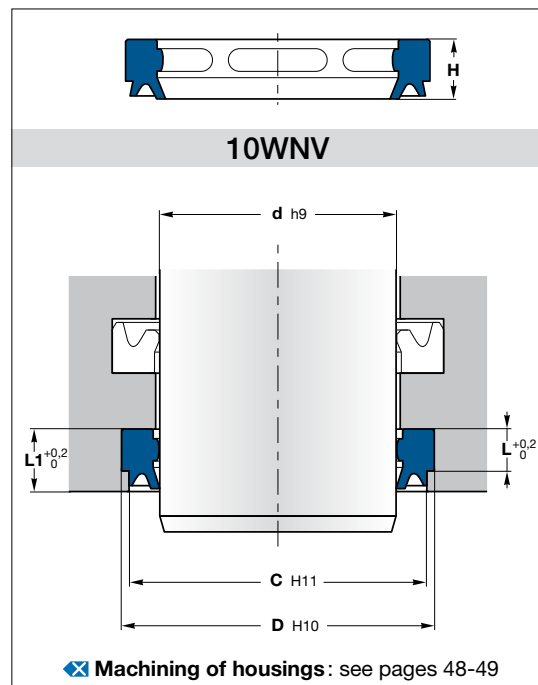
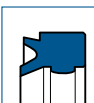
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
18	26	1,3	20,9	4,8	10DK 18
20	27,5	1,6	22,9	5,3	10DK 20
25	32,5	1,6	27,9	5,3	10DK 25
30	37,5	1,6	32,9	5,3	10DK 30
32	39,5	1,6	34,9	5,3	10DK 32
33	40,5	1,8	35,9	3,6	10DK 33/HH
35	42,5	1,6	37,9	5,3	10DK 35
40	47,5	1,6	42,9	5,3	10DK 40
45	52,5	1,8	47,9	3,6	10DK 45/HH
50	60	2,1	54,6	4	10DK 50
	60	2,9	54,6	5	10DK 50/HH
55	65	2,15	59,6	4	10DK 55
60	70	2,15	64,6	4	10DK 60
63	73	2,9	67,6	5	10DK 63/HH
65	75	2,15	69,6	4	10DK 65
70	80	2,15	74,6	4	10DK 70
75	85	2,15	79,6	4	10DK 75
78	92	3,3	82,6	9	10DK 78/H
80	90	2,9	84,6	5	10DK 80/HH
	90	2,1	84,6	4	10DK 80
85	95	2,15	89,6	4	10DK 85
90	100	2,15	94,6	4	10DK 90
95	105	2,15	99,6	4	10DK 95
100	110	2,15	104,6	4	10DK 100
125	135	2,15	129,6	4	10DK 125
140	150	2,15	144,6	4	10DK 140

5a Single acting WIPERS for closed housings



The function of **10WNV** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The sealing lip on the static side **stops the intrusion of impurities** and moisture via the outer diameter even before entering the groove. The ribs on the inner surface give stability and prevent twisting of the wiper in the groove or sticking onto the rod.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 1 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Polyurethane

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

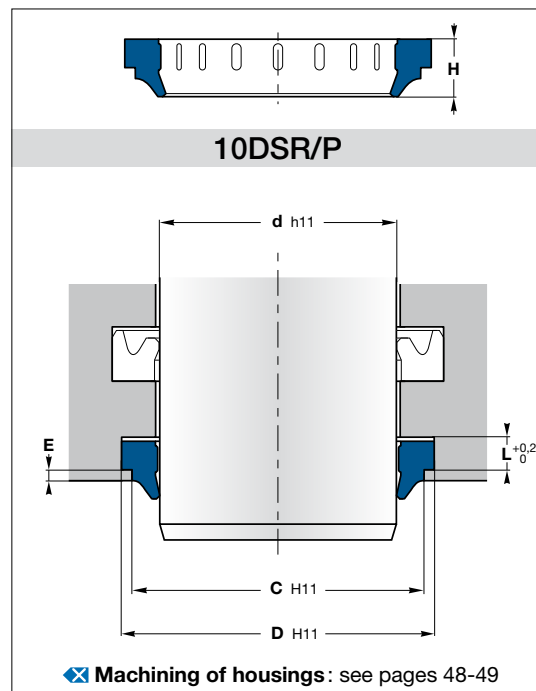
- Very good protection of the housing against external intrusion and moisture
- No tilting or twisting in the groove
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Most housings in accordance to ISO 6195/A
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	L1	H	Reference	d	D	L	C	L1	H	Reference	
16	24	5	21,5	7	7,8	10WNV 16	60	68	5	65,5	7	7,8	10WNV 60/2	
18	26	5	23,5	7	7,8	10WNV 18	68	68	4	66	6	6,7	10WNV 60	
20	28	5	25,5	7	7,8	10WNV 20	68	68	5	65,5	7	7,8	10WNV 60/2	
22	28	4	26	6	6,7	10WNV 20/1	70	70	6,3	67	8,3	9	10WNV 60/3	
25	30	5	27,5	7	7,8	10WNV 22	72	72	5,5	69	7	10	10WNV 60/1	
28	30	4	28	6	6,7	10WNV 22/1	63	63	6,3	70	8,3	9	10WNV 63	
30	33	5	30,5	7	7,8	10WNV 25	70	70	4	76	6	6,7	10WNV 70/1	
32	33	4	31	6	6,7	10WNV 25/1	80	80	6,3	77	8,3	9	10WNV 70	
35	36	5	33,5	7	7,8	10WNV 28	82	82	5,5	79	7	10	10WNV 70/2	
36	36	4	34	6	6,7	10WNV 28/1	75	75	83	4	81	6	6,7	10WNV 75
40	38	4	36	6	6,7	10WNV 30	80	80	88	4	86	6	6,7	10WNV 80/1
45	40	5	37,5	7	7,8	10WNV 32	90	90	6,3	87	8,3	9	10WNV 80	
50	40	4	38	6	6,7	10WNV 32/1	92	92	5,5	89	7	10	10WNV 80/2	
55	43	4	41	6	6,7	10WNV 35	85	85	95	6,3	92	8,3	10	10WNV 85
60	44	5	41,5	7	7,8	10WNV 36	90	90	98	4	96	6	6,7	10WNV 90/1
65	44	4	42	6	6,7	10WNV 36/1	100	100	6,3	97	8,3	9	10WNV 90	
70	48	5	45,5	7	7,8	10WNV 40	102	102	5,5	99	7	10	10WNV 90/2	
75	48	4	46	6	6,7	10WNV 40/1	100	100	115	9,5	110	12	13	10WNV 100
80	53	5	50,5	7	7,8	10WNV 45	110	110	125	9,5	120	12	13	10WNV 110
85	53	4	51	6	6,7	10WNV 45/1	115	115	127	5,5	124	7	10	10WNV 115
90	58	5	55,5	7	7,8	10WNV 50	125	125	140	9,5	135	12	13	10WNV 125
95	58	4	56	6	6,7	10WNV 50/1	140	140	155	9,5	150	12	13	10WNV 140
100	63	4	61	6	6,7	10WNV 55/1	150	150	165	9,5	160	12	13	10WNV 150
105	65	6,3	62	8,3	9	10WNV 55	160	160	175	9,5	170	12	13	10WNV 160
110	66	6,3	63	8,3	9	10WNV 56	180	180	195	9,5	190	12	13	10WNV 180
115							200	200	215	9,5	210	12	13	10WNV 200



The function of **10DSR-P** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

The flush fitting with the outside diameter **reduces impurities** and moisture entering the groove.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Polyurethane	PU10
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

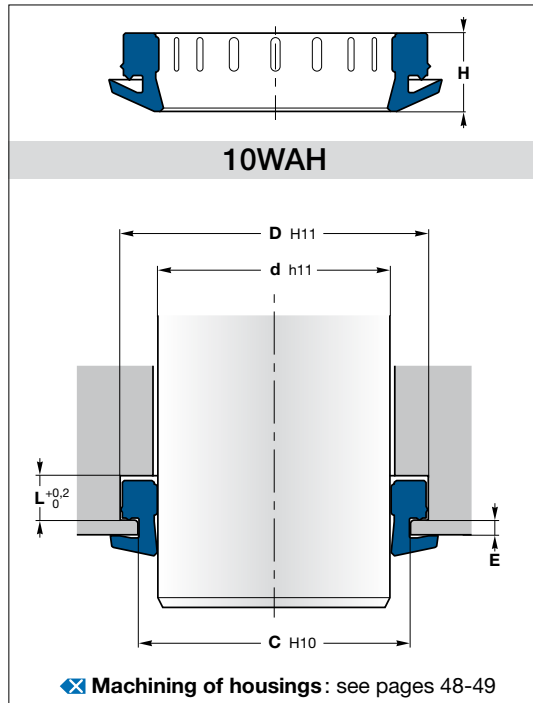
- Flush fitting with the outer surface for a good housing protection
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Small housing
- Good price-performance ratio
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E	H	Reference	d	D	L	C	E	H	Reference
6	10	2,2	9	1	7	10DSR/P 06	54	62	4	60	1	7	10DSR/P 54
7	11	2,2	10	1	7	10DSR/P 07	55	63	4	61	1	7	10DSR/P 55
8	14	2,6	12	1	7	10DSR/P 08	56	64	4	62	1	7	10DSR/P 56
10	16	2,6	14	1	7	10DSR/P 10/1	60	68	4	66	1	7	10DSR/P 60
12	18	2,6	16	1	7	10DSR/P 12/1	63	71	4	69	1	7	10DSR/P 63
12	20	4	18	1	7	10DSR/P 12	65	73	4	71	1	7	10DSR/P 65
14	20	2,6	18	1	7	10DSR/P 14/1	70	78	4	76	1	7	10DSR/P 70
16	24	4	22	1	7	10DSR/P 16	75	83	4	81	1	7	10DSR/P 75
18	26	4	24	1	7	10DSR/P 18	80	88	4	86	1	7	10DSR/P 80
20	28	4	26	1	7	10DSR/P 20	85	93	4	91	1	7	10DSR/P 85
22	30	4	28	1	7	10DSR/P 22	90	98	4	96	1	7	10DSR/P 90
24	32	4	30	1	7	10DSR/P 24	95	103	4	101	1	7	10DSR/P 95
25	33	4	31	1	7	10DSR/P 25	100	108	4	106	1	7	10DSR/P 100
28	36	4	34	1	7	10DSR/P 28	110	122	5,5	119	1,5	10	10DSR/P 110
30	38	4	36	1	7	10DSR/P 30	120	132	5,5	129	1,5	10	10DSR/P 120
32	40	4	38	1	7	10DSR/P 32	125	137	5,5	134	1,5	10	10DSR/P 125
35	43	4	41	1	7	10DSR/P 35	130	142	5,5	139	1,5	10	10DSR/P 130
36	44	4	42	1	7	10DSR/P 36	135	147	5,5	144	1,5	10	10DSR/P 135
38	46	4	44	1	7	10DSR/P 38	140	152	5,5	149	1,5	10	10DSR/P 140
40	48	4	46	1	7	10DSR/P 40	150	162	5,5	159	1,5	10	10DSR/P 150
42	50	4	48	1	7	10DSR/P 42	160	172	5,5	169	1,5	10	10DSR/P 160
45	53	4	51	1	7	10DSR/P 45	180	192	5,5	189	1,5	10	10DSR/P 180
50	58	4	56	1	7	10DSR/P 50	200	212	5,5	209	1,5	10	10DSR/P 200
50	62	5,5	59	1,5	10	10DSR/P 50/1							



The function of **10WAH** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The special feature of this wiper is the external flap which covers the gland housing and prevents the **intrusion of particles** and moisture around the outside. An additional lip on the outside diameter increases this protection. The ribs on the inner surface give stability and prevent twisting of the wiper in the groove or sticking onto the rod.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Polyurethane	PU10
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

The 3 sealing steps for an absolute protection against moisture entering the groove

Developed for heavy duty applications: mining industry, foundries...

Particularly suitable for vertical cylinders pointing upwards

Excellent abrasion resistance

Extended service life

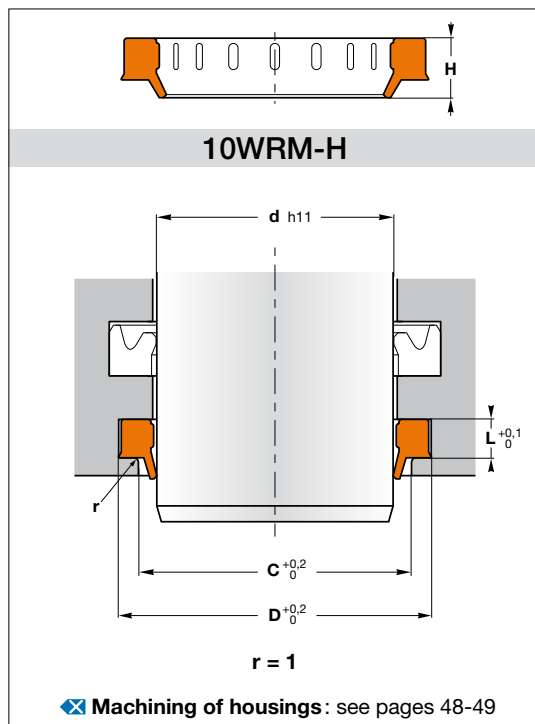
Easy to assemble

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E	H	Reference
35	45	6,3	42	1,5	10	10WAH 35
36	44	5	41,5	1,5	8	10WAH 36
40	48	5	45,5	1,5	8	10WAH 40
45	53	5	50,5	1,5	8	10WAH 45
50	58	5	55,5	1,5	8	10WAH 50
56	66	6,3	63	1,5	10	10WAH 56
60	70	6,3	67	1,5	10	10WAH 60
63	73	6,3	70	1,5	10	10WAH 63
70	82,6	8	78,4	2	12	10WAH 70
80	90	6,3	87	1,5	10	10WAH 80
90	102,2	7,1	96	2,8	12,4	10WAH 90



The function of **10WRM-H** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

An external sealing lip on the static side contacts the housing in order to prevent **intrusion of impurities** via the outer diameter.

This wiper is used in heavy duty environments such as mud or ice.

The wiper is produced in polyester resin which ensures increased **wear resistance** and excellent properties in case of heavy applications.

Operating conditions see page 8

Temperature -30°C to 110°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Polyester TPE

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

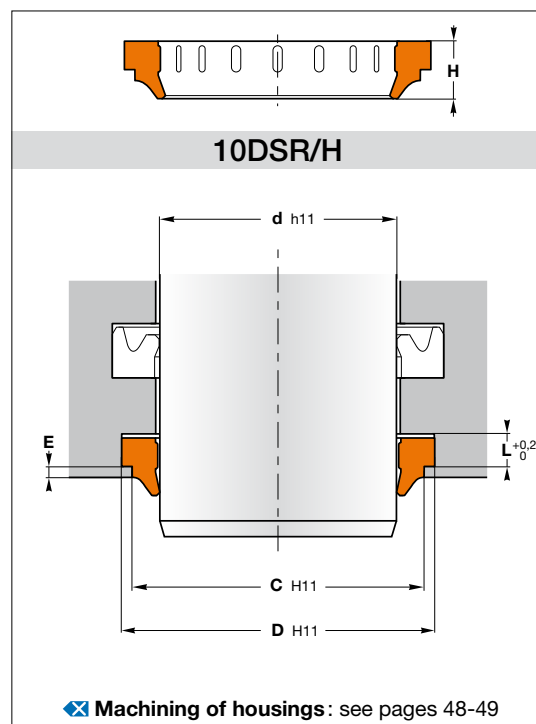
- Good protection of the housing against external intrusion
- Suitable for heavy duty environments
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Good price-performance ratio

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	ISO 6195/A	Reference	d	D	L	C	H	ISO 6195/A	Reference
20	28	5	25,5	7	•	10WRM-H 20	100	110,6	5,3	104	7	•	10WRM-H 100/2
	28,6	5,3	23	7		10WRM-H 20/1		112,2	7,1	106	10		10WRM-H 100/1
								115	9,5	110	14	•	10WRM-H 100
22	30	5	27,5	7	•	10WRM-H 22	110	122,2	7,1	116	10		10WRM-H 110/1
	33,6	5,3	25	7		10WRM-H 22/1		125	9,5	120	14		10WRM-H 110
25	33	5	30,5	7	•	10WRM-H 25	115	127,2	7,1	121	10		10WRM-H 115
	33,6	5,3	28	7		10WRM-H 25/1							
28	36	5	33,5	7	•	10WRM-H 28	120	132,2	7,1	126	10		10WRM-H 120
	36,6	5,3	31	7		10WRM-H 28/1							
30	38	5	35,5	7		10WRM-H 30	125	137,2	7,1	131	10		10WRM-H 125/1
	38,6	5,3	33	7		10WRM-H 30/1		140	9,5	135	14		10WRM-H 125
								140	10,2	133	16		10WRM-H 125/2
32	40	5	37,5	7	•	10WRM-H 32	130	145	10,2	137,6	16		10WRM-H 130
	40,6	5,3	35	7		10WRM-H 32/1							
35	43	5	40,5	7		10WRM-H 35	140	155	9,5	150	14		10WRM-H 140/1
	43,6	5,3	38	7		10WRM-H 35/1	150	162,2	7,1	156	12		10WRM-H 150
								165	10,2	157,6	16		10WRM-H 150/1
36	44	5	41,5	7	•	10WRM-H 36	160	175	9,5	170	14		10WRM-H 160
	44,6	5,3	39	7		10WRM-H 36/1		175	10,2	167	16		10WRM-H 160/1
38	46,6	5,3	41	7		10WRM-H 38/1	180	195	9,5	190	14		10WRM-H 180
40	48	5	45,5	7	•	10WRM-H 40	200	200	10,2	190	18		10WRM-H 180/1
	48,6	5,3	43	7		10WRM-H 40/1							
45	53	5	50,5	7	•	10WRM-H 45	200	215	9,5	210	14		10WRM-H 200
	53,6	5,3	48	7		10WRM-H 45/1		220	10,2	210	18		10WRM-H 200/1
	55,6	5,3	48	7		10WRM-H 45/2							
50	58	5	55,5	7	•	10WRM-H 50	220	235	10,2	227,6	18		10WRM-H 220/2
	58,6	5,3	53	7		10WRM-H 50/1		240	12,5	233,5	18		10WRM-H 220
	60,6	5,3	53	7		10WRM-H 50/2		240	10,2	230	18		10WRM-H 220/1
55	63,6	5,3	58	7		10WRM-H 55/1	240	255	9,5	250	14		10WRM-H 240/2
	65	6,3	61	7,5		10WRM-H 55		255,2	10,1	250	18		10WRM-H 240
	65,6	5,3	61	7		10WRM-H 55/2		260	10,2	250	18		10WRM-H 240/1
56	64,6	5,3	59	7		10WRM-H 56/2	250	270	10,2	260	18		10WRM-H 250
	66	6,3	63	7,5	•	10WRM-H 56	280	295	9,5	290	14		10WRM-H 280/1
	66,6	5,3	59	7		10WRM-H 56/1		300	10,2	290	18		10WRM-H 280
60	70	6,3	67	7,5		10WRM-H 60	290	310	12,5	303,5	18		10WRM-H 290
	70,6	5,3	64	7		10WRM-H 60/2	300	320	12,5	313,5	18		10WRM-H 300
63	73	6,3	70	7,5		10WRM-H 63	320	340	10,2	330	18		10WRM-H 320
70	80	6,3	77	7,5	•	10WRM-H 70	330	346	7,5	340,7	12		10WRM-H 330
	80,6	5,3	73	7		10WRM-H 70/2							
	82,2	7,1	76	10		10WRM-H 70/1	350	370	10,2	360	18		10WRM-H 350
75	87,2	7,1	81	10		10WRM-H 75/1	360	380	10,2	370	18		10WRM-H 360
80	88,6	5,3	83	7		10WRM-H 80/2	400	420	10,2	410	18		10WRM-H 400
	90	6,3	87	7,5	•	10WRM-H 80							
	92,2	7,1	86	10		10WRM-H 80/1	420	440	12,5	430	18		10WRM-H 420
85	93,6	5,3	88	7		10WRM-H 85/1							
90	100	6,3	97	7,5	•	10WRM-H 90							
	102,2	7,1	96	10		10WRM-H 90/1							



The function of **10DSR-H** wiper is to prevent introduction of contamination into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

The ribs on the inner surface **give stability** and prevent twisting of the wiper in the groove or sticking onto the rod.

The flush fitting with the outside diameter **reduces impurities** and moisture entering the groove.

This wiper can be used in heavy duty environments such as mud or ice.

The wiper is produced in polyester resin which ensures increased **wear resistance** and excellent properties in case of heavy applications.

Operating conditions see page 8

Temperature	-30°C to 110°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Polyester	TPE
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

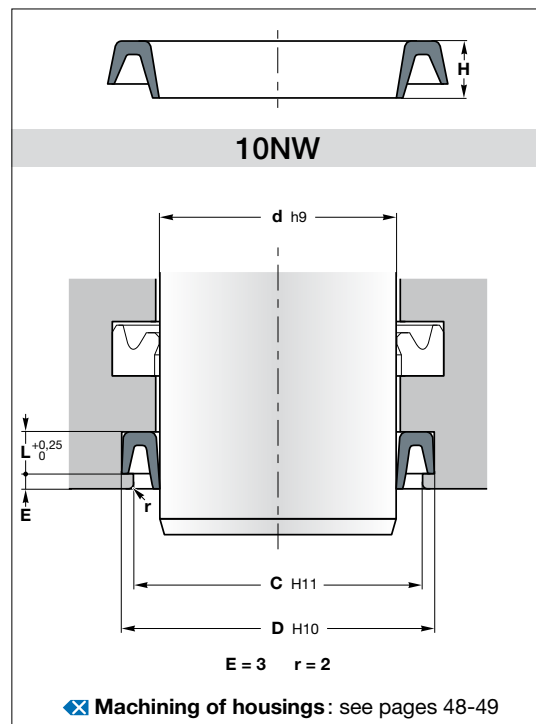
- Flush fitting with the outer surface for a good housing protection
- Suitable for heavy duty environments
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Small housing

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E	H	Reference
25	33	4	31	1	7	10DSR/H 25
30	38	4	36	1	7	10DSR/H 30
35	43	4	41	1	7	10DSR/H 35
36	44	4	42	1	7	10DSR/H 36
40	48	4	46	1	7	10DSR/H 40
45	53	4	51	1	7	10DSR/H 45
50	58	4	56	1	7	10DSR/H 50
56	64	4	62	1	7	10DSR/H 56
60	68	4	66	1	7	10DSR/H 60
70	78	4	76	1	7	10DSR/H 70
80	88	4	86	1	7	10DSR/H 80
90	98	4	96	1	7	10DSR/H 90



The function of **10NW** wiper is to prevent introduction of contamination into the system. This wiper has been created for medium-heavy duty applications where very aggressive materials have to be eliminated from the rod, such as concrete, cement, ice...

The wiper lip produces a very effective cleaning action to **avoid damage** to the guiding rings and rod seals. This wiper is designed to snap-fit into its housing.

The wiper is produced in polyamide (PA) with molybdenum disulfide (MoS₂) with a **high resistance to abrasion**.

Operating conditions ✕ see page 8

Temperature	-40°C to 100°C
Speed	≤ 0,8 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 10-19

Polyamid	PA + MoS ₂
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Assembly ✕ see pages 54-59

The wipers may easily be clipped into the grooved housing

Advantages

- Suitable for medium-heavy applications
- Excellent abrasion resistance
- Extended service life
- Good price-performance ratio
- Easy to assemble

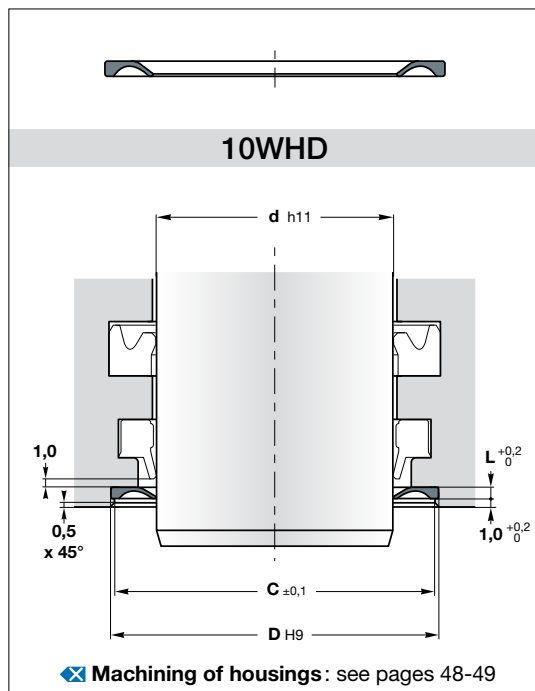
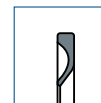
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

Metric					
d	D	L	C	H	Reference
16	26	4,5	24,5	6,5	10NW 16
20	33	6	31,5	8,5	10NW 20
25	38	6	36,5	8,5	10NW 25
28	41	6	39,5	8,5	10NW 28
30	43	6	41,5	8,5	10NW 30
32	45	6	43,5	8,5	10NW 32
36	49	6	47,5	8,5	10NW 36
40	53	6	51,5	8,5	10NW 40
45	58	6	56,5	8,5	10NW 45
50	63	6	61,5	8,5	10NW 50
55	68	6	66,5	8,5	10NW 55
56	69	6	67,5	8,5	10NW 56
60	73	6	71,5	8,5	10NW 60
63	76	6	74,5	8,5	10NW 63
65	78	6	76,5	8,5	10NW 65
70	83	6	81,5	8,5	10NW 70
80	93	6	91,5	8,5	10NW 80
90	103	6	101,5	8,5	10NW 90
100	113	6	111,5	8,5	10NW 100

Inch					
d	D	L	C	H	Reference
12,7	22,22	4,4	20,6	8,5	10NW 0500
19,05	31,75	6	30,2	8,5	10NW 0750
22,22	34,92	6	33,3	8,5	10NW 0875
25,4	38,1	6	36,5	8,5	10NW 1000
28,57	41,27	6	39,7	8,5	10NW 1125
31,8	44,45	6	42,9	8,5	10NW 1250
34,93	47,63	5,84	46	8,5	10NW 1375
38,1	50,8	6	49,2	8,5	10NW 1500
41,28	53,98	6,02	52,4	8,5	10NW 1625
44,45	57,15	6	55,6	8,5	10NW 1750
50,8	63,5	6	61,9	8,5	10NW 2000
57,15	69,85	6,02	68,3	8,5	10NW 2250
63,5	76,2	6	74,6	8,5	10NW 2500
69,85	82,55	6	81	8,5	10NW 2750
76,2	88,9	6	87,3	8,5	10NW 3000
82,55	95,25	6,02	93,7	8,5	10NW 3250
88,9	101,6	6,02	100	8,5	10NW 3500
101,6	114,3	6,02	112,7	8,5	10NW 4000



The function of **10WHD** wiper is to scrape heavily adhering particles off the cylinder rod. It should always be used in combination with a second wiper in elastomer or PU. This combination is very suitable for heavy duty applications in earthmoving and mining equipment. The wiper is produced in polyamide (PA) or acetal resin (POM) which have a **high resistance to abrasion**.

Operating conditions see page 8

Temperature -40°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Polyamid POM or PA

Assembly see pages 54-59

The wipers may easily be clipped into the grooved housing

Advantages

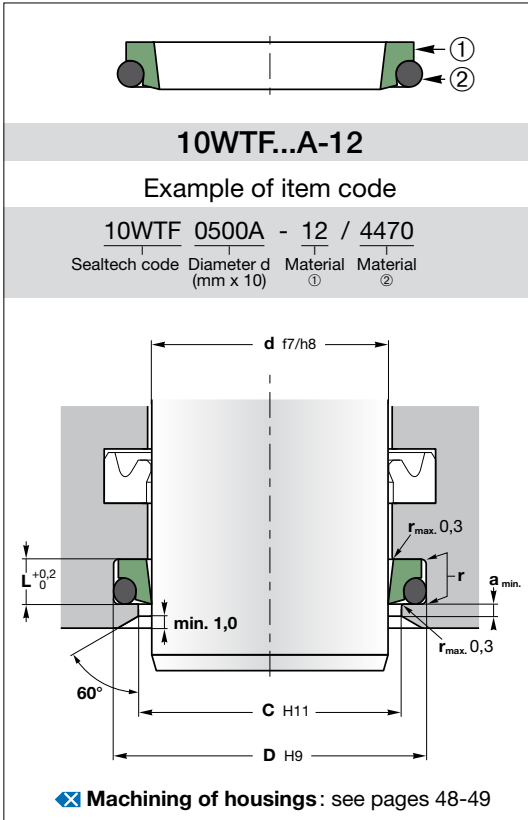
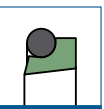
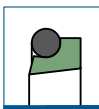
- Easy to assemble
- Good price-performance ratio
- Good abrasion resistance
- For heavy duty applications (excavators...)
- Very small housing

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	Reference
44,5	56	2	55	10WHD 44
45	56	2,1	55	10WHD 45
56	67	2,1	66	10WHD 56
59,5	71	2	70	10WHD 59
63	74	2,1	73	10WHD 63
69,5	81	2	80	10WHD 69
70	82	2,1	81	10WHD 70
75	87	2,1	86	10WHD 75
78	89,5	2	88,5	10WHD 78
80	92	2,1	91	10WHD 80
87	98,5	2	97,5	10WHD 87
90	102	2,1	101	10WHD 90
97	108,5	2	107,5	10WHD 97
100	112	2,1	111	10WHD 100
104	115,5	2	114,9	10WHD 104
110	122	2,1	121	10WHD 110
118	129,5	2	128,5	10WHD 118
120	132	2,1	131	10WHD 120
124	136	2,1	135	10WHD 124
130	150	2,6	148,6	10WHD 130
140	160	2,6	158,6	10WHD 140
150	170	2,6	168,6	10WHD 150
160	180	2,6	178,6	10WHD 160
180	200	2,6	198,6	10WHD 180
200	220	2,6	219,6	10WHD 200



10WTF...A-12

Example of item code

10WTF 0500A - 12 / 4470

Sealtech code Diameter d (mm x 10) Material ① Material ②

The function of **10WTF...A-12** wiper is to prevent introduction of contamination into the system.

This wiper is composed of a dynamic PTFE ring with a wiper lip which produces an **effective cleaning** action to avoid damage to all internal components.

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 wiper lip against the rod. If necessary, **different O-ring materials** can be chosen to suit the application.

Operating conditions see page 8

Temperature -30°C to 100°C
 Speed ≤ 15 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Dynamic sealing element ① PT12
 Energising element ② NBR 70 Sh A

Assembly see pages 54-59

O-ring and PTFE-ring may easily be mounted into the grooved housing (split groove for **d < 30 mm**)

Advantages

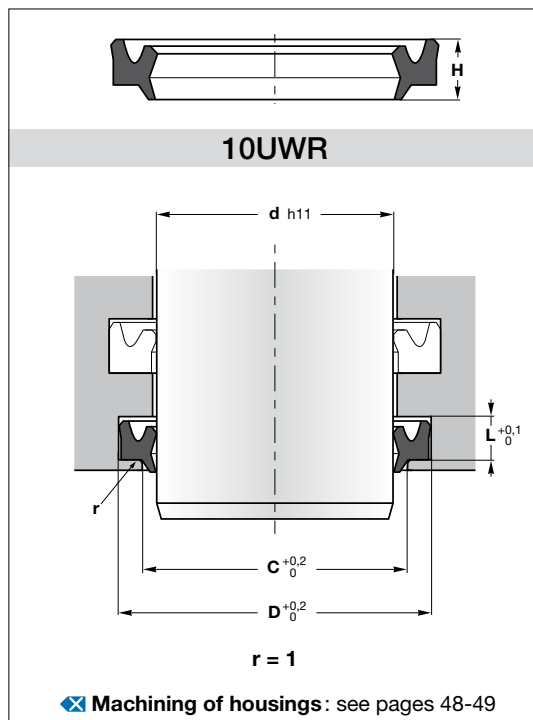
- High speed performance
- Low static and dynamic friction
- No stick-slip
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 200°C with the right O-ring
- Extended service life
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	C	r	a _{min.}	O-ring NBR 70 Sh A	Reference
6	10,8	3,7	7,5	0,4	2	7,65 x 1,78	10WTF 0060A-12/4470
8	12,8	3,7	9,5	0,4	2	9,25 x 1,78	10WTF 0080A-12/4470
12	18,8	5	13,5	0,7	2	13,94 x 2,62	10WTF 0120A-12/4470
14	20,8	5	15,5	0,7	2	15,54 x 2,62	10WTF 0140A-12/4470
15	21,8	5	16,5	0,7	2	17,62 x 2,62	10WTF 0150A-12/4470
16	22,8	5	17,5	0,7	2	18,72 x 2,62	10WTF 0160A-12/4470
18	24,8	5	19,5	0,7	2	20,29 x 2,62	10WTF 0180A-12/4470
20	26,8	5	21,5	0,7	2	21,89 x 2,62	10WTF 0200A-12/4470
22	28,8	5	23,5	0,7	2	23,47 x 2,62	10WTF 0220A-12/4470
25	31,8	5	26,5	0,7	2	26,64 x 2,62	10WTF 0250A-12/4470
28	34,8	5	29,5	0,7	2	29,82 x 2,62	10WTF 0280A-12/4470
30	36,8	5	31,5	0,7	2	31,42 x 2,62	10WTF 0300A-12/4470
32	38,8	5	33,5	0,7	2	34,59 x 2,62	10WTF 0320A-12/4470
35	41,8	5	36,5	0,7	2	36,17 x 2,62	10WTF 0350A-12/4470
36	42,8	5	37,5	0,7	2	37,77 x 2,62	10WTF 0360A-12/4470
40	46,8	5	41,5	0,7	2	42,52 x 2,62	10WTF 0400A-12/4470
42	48,8	5	43,5	0,7	2	44,12 x 2,62	10WTF 0420A-12/4470
45	51,8	5	46,5	0,7	2	47,29 x 2,62	10WTF 0450A-12/4470
50	56,8	5	51,5	0,7	2	52,07 x 2,62	10WTF 0500A-12/4470
55	61,8	5	56,5	0,7	2	56,82 x 2,62	10WTF 0550A-12/4470
56	62,8	5	57,5	0,7	2	59,99 x 2,62	10WTF 0560A-12/4470
60	66,8	5	61,5	0,7	2	61,6 x 2,62	10WTF 0600A-12/4470
63	69,8	5	64,5	0,7	2	64,77 x 2,62	10WTF 0630A-12/4470
65	73,8	6	66,5	1	3	66,27 x 3,53	10WTF 0650A-12/4470
70	78,8	6	71,5	1	3	72,62 x 3,53	10WTF 0700A-12/4470
75	83,8	6	76,5	1	3	75,79 x 3,53	10WTF 0750A-12/4470
80	88,8	6	81,5	1	3	82,14 x 3,53	10WTF 0800A-12/4470
85	93,8	6	86,5	1	3	88,49 x 3,53	10WTF 0850A-12/4470
90	98,8	6	91,5	1	3	91,67 x 3,53	10WTF 0900A-12/4470
95	103,8	6	96,5	1	3	98,02 x 3,53	10WTF 0950A-12/4470
100	108,8	6	101,5	1	3	104,37 x 3,53	10WTF 1000A-12/4470
105	113,8	6	106,5	1	3	107,54 x 3,53	10WTF 1050A-12/4470
110	118,8	6	111,5	1	3	113,89 x 3,53	10WTF 1100A-12/4470
120	128,8	6	121,5	1	3	123,42 x 3,53	10WTF 1200A-12/4470
125	133,8	6	126,5	1	3	129,77 x 3,53	10WTF 1250A-12/4470
130	138,8	6	131,5	1	3	132,94 x 3,53	10WTF 1300A-12/4470
140	148,8	6	141,5	1	3	142,47 x 3,53	10WTF 1400A-12/4470
150	158,8	6	151,5	1	3	151,99 x 3,53	10WTF 1500A-12/4470
160	168,8	6	161,5	1	3	164,69 x 3,53	10WTF 1600A-12/4470
170	178,8	6	171,5	1	3	177,39 x 3,53	10WTF 1700A-12/4470
180	188,8	6	181,5	1	3	183,74 x 3,53	10WTF 1800A-12/4470
190	198,8	6	191,5	1	3	196,44 x 3,53	10WTF 1900A-12/4470
200	208,8	6	201,5	1	3	202,79 x 3,53	10WTF 2000A-12/4470



10UWR wiper in nitrile elastomer has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

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 see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Elastomer	NBR 90 Sh A
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

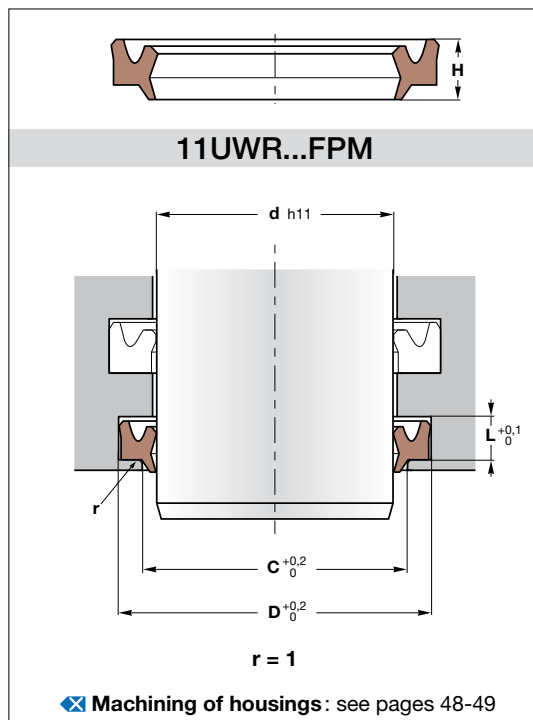
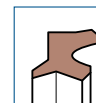
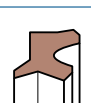
- Reduced oil film leakage on the rod
- Easy to assemble
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
5	11,3	4,3	8,5	6	10UWR 019043
12	18,6	3,8	15	5,5	10UWR 047070
12	20,6	5,3	15	7	10UWR 047080
15	21	5	18	7	10UWR 059082
16	22,6	3,8	19	5,5	10UWR 062087
18	24,6	3,8	21	5,5	10UWR 070094
20	28,6	5,3	23	7	10UWR 078110
22	30,6	5,3	25	7	10UWR 086118
25	33,6	5,3	28	7	10UWR 098129
28	36,6	5,3	31	7	10UWR 110141
30	38,6	5,3	33	7	10UWR 118149
32	40,6	5,3	35	7	10UWR 125157
35	43,6	5,3	38	7	10UWR 137169
36	44,6	5,3	39	7	10UWR 141173
40	48,6	5,3	43	7	10UWR 157188
42	50	5,3	45	7	10UWR 165196
45	53,6	5,3	48	7	10UWR 177208
50	58,6	5,3	53	7	10UWR 196228
55	63,6	5,3	58	7	10UWR 216248
56	64,6	5,3	59	7	10UWR 220251
60	68,6	5,3	63	7	10UWR 236267
60,32	73,02	7,15	63,8	12	10UWR 237287
63	71,6	5,3	66	7	10UWR 248279
65	73,6	5,3	68	7	10UWR 255287
66	74,6	5,3	69	7	10UWR 260292
70	78,6	5,3	73	7	10UWR 275307
76,5	88,7	7,1	83,5	12	10UWR 301348
78	92,2	7,1	85	12	10UWR 307362
80	92,2	7,1	86	12	10UWR 314362
90	102,2	7,1	96	12	10UWR 354401



11UWR...FPM wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

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.

The material used for this wiper is a fluorocarbon elastomer, especially suited for processes at higher temperatures. While also having **better resistance** to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions see page 8

Temperature -10°C to 180°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer FPM 90 Sh A

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

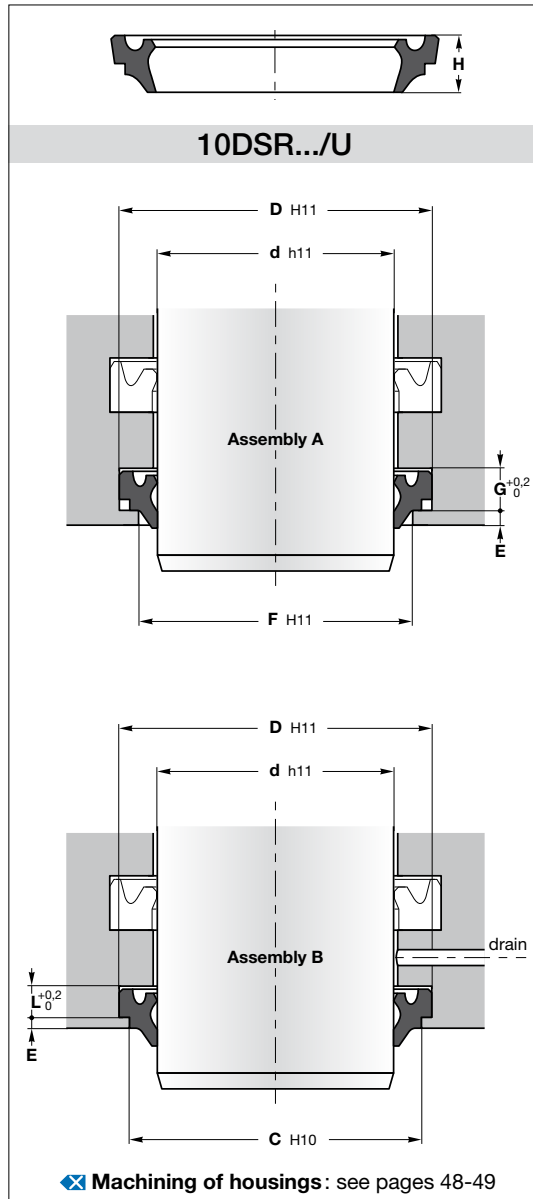
- Reduced oil film leakage on the rod
- Easy to assemble
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

FPM seals						
d	D	L	C	H	ISO 6195/C	Reference
12	18	4	14,5	5,5	•	11UWR 12/ISO FPM
14	20	4	16,5	5,5	•	11UWR 14/ISO FPM
22	28	4	24,5	5,5	•	11UWR 22/ISO FPM
28	36	5	31	7	•	11UWR 28/ISO FPM
36	44	5	39	7	•	11UWR 36/ISO FPM
40	48	5	43	7	•	11UWR 40/ISO FPM
45	53	5	48	7	•	11UWR 45/ISO FPM
50	58	5	53	7	•	11UWR 50/ISO FPM
56	66	6	59	7,5	•	11UWR 56/ISO FPM
63	73	6	66	7,5	•	11UWR 63/ISO FPM
70	80	6	73	7,5	•	11UWR 70/ISO FPM
80	90	6	83	7,5	•	11UWR 80/ISO FPM
90	100	6	93	7,5	•	11UWR 90/ISO FPM
100	112,2	7,1	106	12	•	11UWR 393440 FPM



10DSR.../U wiper in nitrile elastomer has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

For assembly B (see picture) a drainage channel must be opened in this area.

Operating conditions see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

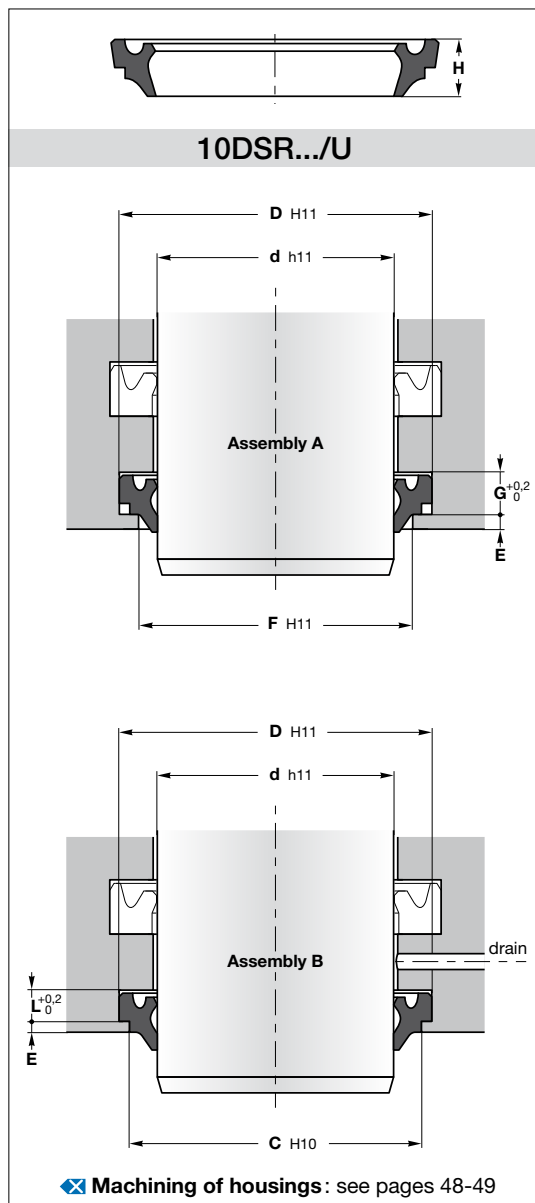
- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	F	G	E	H	Reference
10	18	4	16	13,5	6	2	8	10DSR 10/U
12	20	4	18	15,5	6	2	8	10DSR 12/U
14	22	4	20	17,5	6	2	8	10DSR 14/U
15	23	4	21	18,5	6	2	8	10DSR 15/U
16	24	4	22	19,5	6	2	8	10DSR 16/U
18	26	4	24	21,5	6	2	8	10DSR 18/U
20	28	4	26	23,5	6	2	8	10DSR 20/U
22	30	4	28	25,5	6	2	8	10DSR 22/U
24	32	4	30	27,5	6	2	8	10DSR 24/U
25	33	4	31	28,5	6	2	8	10DSR 25/U
28	36	4	34	31,5	6	2	8	10DSR 28/U
30	38	4	36	33,5	6	2	8	10DSR 30/U
32	40	4	38	35,5	6	2	8	10DSR 32/U
35	43	4	41	38,5	6	2	8	10DSR 35/U
36	44	4	42	39,5	6	2	8	10DSR 36/U
37	45	4	43	40,5	6	2	8	10DSR 37/U
38	46	4	44	41,5	6	2	8	10DSR 38/U
40	48	4	46	43,5	6	2	8	10DSR 40/U
42	50	4	48	45,5	6	2	8	10DSR 42/U
43	51	4	49	46,5	6	2	8	10DSR 43/U
45	53	4	51	48,5	6	2	8	10DSR 45/U
46	54	4	52	49,5	6	2	8	10DSR 46/U
48	56	4	54	51,5	6	2	8	10DSR 48/U
50	58	4	56	53,5	6	2	8	10DSR 50/U
52	60	4	58	55,5	6	2	8	10DSR 52/U
55	63	4	61	58,5	6	2	8	10DSR 55/U
56	64	4	62	59,5	6	2	8	10DSR 56/U
58	66	4	64	61,5	6	2	8	10DSR 58/U
60	68	4	66	63,5	6	2	8	10DSR 60/U
63	71	4	69	66,5	6	2	8	10DSR 63/U
65	73	4	71	68,5	6	2	8	10DSR 65/U
70	78	4	76	73,5	6	2	8	10DSR 70/U
75	83	4	81	78,5	6	2	8	10DSR 75/U
77	85	4	83	80,5	6	2	8	10DSR 77/U
80	88	4	86	83,5	6	2	8	10DSR 80/U
85	93	4	91	88,5	6	2	8	10DSR 85/U
90	98	4	96	93,5	6	2	8	10DSR 90/U
92	100	4	98	95,5	6	2	8	10DSR 92/U
95	103	4	101	98,5	6	2	8	10DSR 95/U
100	108	4	106	103,5	6	2	8	10DSR 100/U
105	117	5,5	114	110	8,2	3	11	10DSR 105/U
110	122	5,5	119	115	8,2	3	11	10DSR 110/U



10DSR.../U wiper in nitrile elastomer has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

For assembly B (see picture) a drainage channel must be opened in this area.

Operating conditions see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

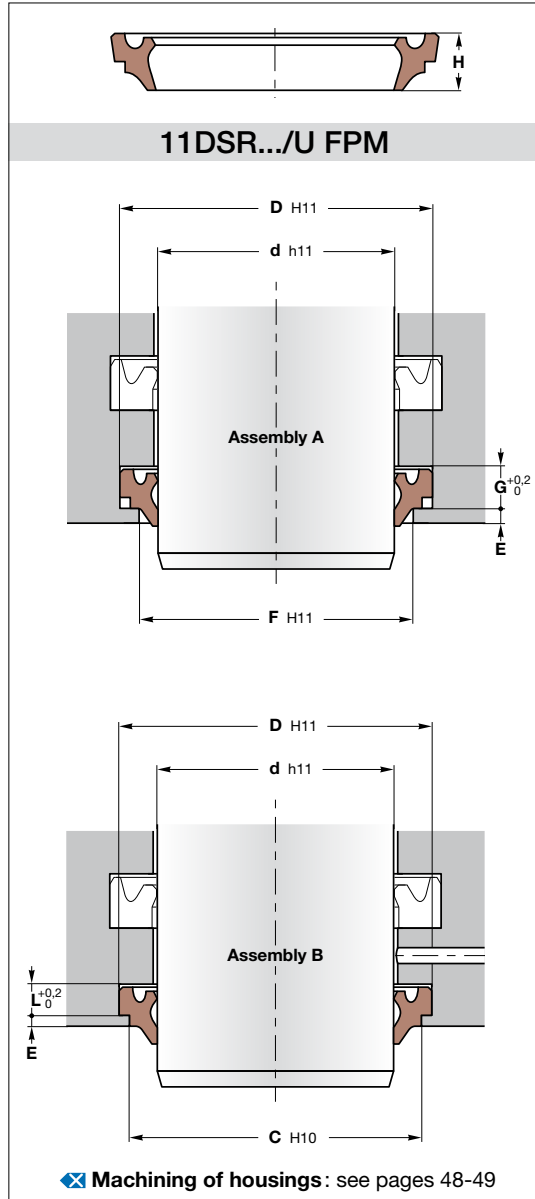
- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	F	G	E	H	Reference
115	127	5,5	124	120	8,2	3	11	10DSR 115/U
120	128	4	126	123,5	6	2	8	10DSR 120/1/U
120	132	5,5	129	125	8,2	3	11	10DSR 120/U
125	137	5,5	134	130	8,2	3	11	10DSR 125/U
130	142	5,5	139	135	8,2	3	11	10DSR 130/U
135	147	5,5	144	140	8,2	3	11	10DSR 135/U
140	152	5,5	149	145	8,2	3	11	10DSR 140/U
145	157	5,5	154	150	8,2	3	11	10DSR 145/U
150	162	5,5	159	155	8,2	3	11	10DSR 150/U
155	167	5,5	164	160	8,2	3	11	10DSR 155/U
160	172	5,5	169	165	8,2	3	11	10DSR 160/U
170	182	5,5	179	175	8,2	3	11	10DSR 170/U
180	192	5,5	189	185	8,2	3	11	10DSR 180/U
190	202	5,5	199	195	8,2	3	11	10DSR 190/U
200	212	5,5	209	205	8,2	3	11	10DSR 200/U
210	225	6,5	221	217	9,5	3	13	10DSR 210/U
220	235	6,5	231	227	9,5	3	13	10DSR 220/U
230	245	6,5	241	237	9,5	3	13	10DSR 230/U
240	255	6,5	251	247	9,5	3	13	10DSR 240/U
250	265	6,5	261	257	9,5	3	13	10DSR 250/U
260	275	6,5	271	267	9,5	3	13	10DSR 260/U
280	295	6,5	291	287	9,5	3	13	10DSR 280/U
290	305	6,5	301	297	9,5	3	13	10DSR 290/U
300	315	6,5	311	307	9,5	3	13	10DSR 300/U
310	325	6,5	321	317	9,5	3	13	10DSR 310/U
320	335	6,5	331	327	9,5	3	13	10DSR 320/U
340	355	6,5	351	347	9,5	3	13	10DSR 340/U
350	365	6,5	361	357	9,5	3	13	10DSR 350/U
360	375	6,5	371	367	9,5	3	13	10DSR 360/U
380	395	6,5	391	387	9,5	3	13	10DSR 380/U
400	415	6,5	411	407	9,5	3	13	10DSR 400/U
500	515	6,5	511	507	9,5	3	13	10DSR 500/U



11DSR.../U FPM wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

For assembly B (see picture) a drainage channel must be opened in this area.

The material used for this wiper is a fluorocarbon elastomer, especially suited for processes at higher temperatures. While also having **better resistance** to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions see page 8
 Temperature -10°C to 180°C
 Speed ≤ 0,8 m/s
 Fluids see pages 22-45

Materials see pages 10-19
 Elastomer FPM 90 Sh A

Assembly see pages 54-59
 The wipers may easily be mounted into the grooved housing

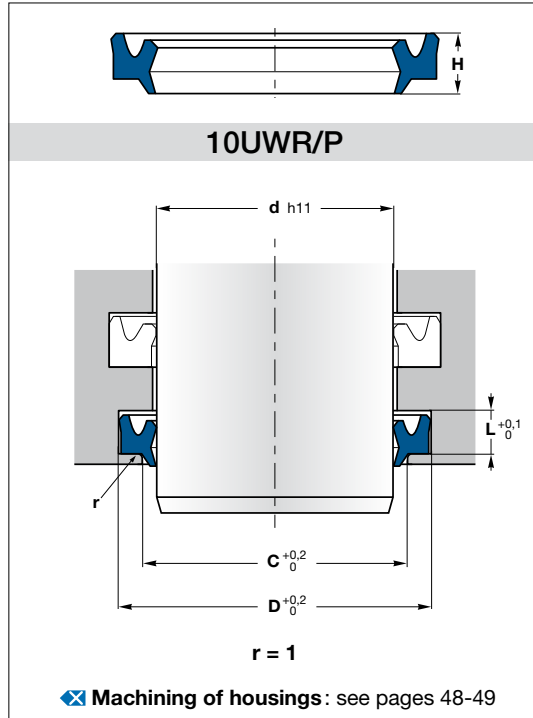
Advantages

- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals

Please contact us for applications approaching maximum values.

More information
 On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

FPM seals								
d	D	L	C	F	G	E	H	Reference
20	28	4	26	23,5	6	2	8	11DSR 20/U FPM
22	30	4	28	25,5	6	2	8	11DSR 22/U FPM
25	33	4	31	28,5	6	2	8	11DSR 25/U FPM
28	36	4	34	31,5	6	2	8	11DSR 28/U FPM
30	38	4	36	33,5	6	2	8	11DSR 30/U FPM
36	44	4	42	39,5	6	2	8	11DSR 36/U FPM
40	48	4	46	43,5	6	2	8	11DSR 40/U FPM
45	53	4	51	48,5	6	2	8	11DSR 45/U FPM
50	58	4	56	53,5	6	2	8	11DSR 50/U FPM
56	64	4	62	59,5	6	2	8	11DSR 56/U FPM
60	68	4	66	63,5	6	2	8	11DSR 60/U FPM
70	78	4	76	73,5	6	2	8	11DSR 70/U FPM
80	88	4	86	83,5	6	2	8	11DSR 80/U FPM
90	98	4	96	93,5	6	2	8	11DSR 90/U FPM
100	108	4	106	103,5	6	2	8	11DSR 100/U FPM
110	122	5,5	119	115	8,2	3	11	11DSR 110/U FPM
120	132	5,5	129	125	8,2	3	11	11DSR 120/U FPM



10UWR/P wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

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.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ✕ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids ✕ see pages 22-45

Materials ✕ see pages 10-19

Polyurethane PU10

Assembly ✕ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

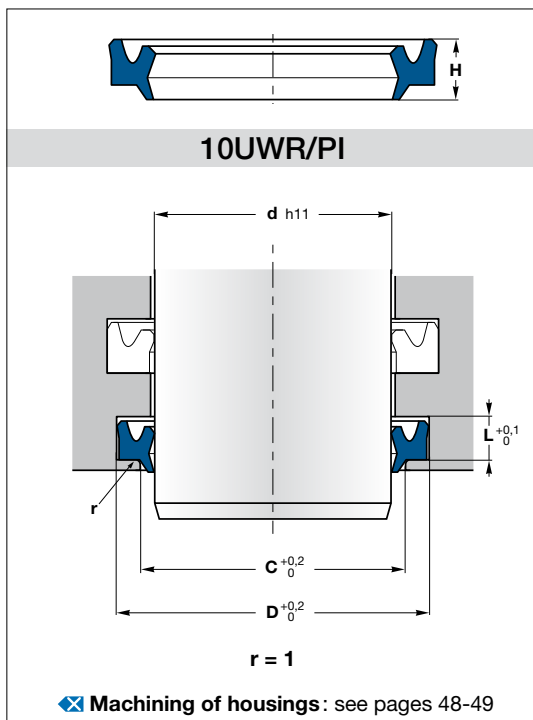
- Reduced oil film leakage
- Easy to assemble
- Simple groove construction
- Extended service life
- Excellent abrasion resistance

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	ISO 6195/C	Reference	d	D	L	C	H	ISO 6195/C	Reference
4	9	3,5	6,5	4,5		10UWR/P 4/1	45	53	5	48	6		10UWR/P 45/1
								53,6	5,3	48	6,5		10UWR/P 45
5	10	3,5	7,5	4,5		10UWR/P 5/1	50	58	4	53	6		10UWR/P 50/2
								58	5	53	6		10UWR/P 50/1
6	11	3,5	8,5	4,5		10UWR/P 6/1		58,6	5,3	53	6,5		10UWR/P 50
8	13	3,5	10,5	4,5		10UWR/P 8/1		60,6	5,3	53	6,5		10UWR/P 50/3
10	16	4	12,5	5		10UWR/P 10/1	55	63,6	5,3	58	6,5		10UWR/P 55
								65	6	58	7,5		10UWR/P 55/1
12	18	4	14,5	5		10UWR/P 12/1	56	64,6	5,3	59	6,5		10UWR/P 56
	18,6	3,8	15	5		10UWR/P 12		66	6	59	7,5		10UWR/P 56/1
14	20	4	16,5	5		10UWR/P 14/1	58	68	6	61	7,5		10UWR/P 58/1
	20,6	3,8	17	5		10UWR/P 14	60	68,6	5,3	63	6,5		10UWR/P 60
								70	6	63	7,5		10UWR/P 60/1
16	22	4	18,5	5		10UWR/P 16/1	63	71,6	5,3	66	6,5		10UWR/P 63
	24	5	20,3	6		10UWR/P 16/2		73	6	66	7,5		10UWR/P 63/1
17	23,6	3,8	20	5		10UWR/P 17	65	73,6	5,3	68	6,5		10UWR/P 65
								75	6	68	7,5		10UWR/P 65/1
18	24	4	20,5	5		10UWR/P 18/1	70	78,6	5,3	73	6,5		10UWR/P 70
	24,6	3,8	21	5		10UWR/P 18		80	6	73	7,5		10UWR/P 70/1
	26	5	21	6		10UWR/P 18/2	75	83,6	5,3	78	6,5		10UWR/P 75
								85	6	78	7,5		10UWR/P 75/1
20	26	4	22,5	5		10UWR/P 20/1	78	88	6	81	7,5		10UWR/P 78/1
	28	5	23	6		10UWR/P 20/2	80	88,6	5,3	83	6,5		10UWR/P 80
	28,6	5,3	23	6,5		10UWR/P 20		90	6	83	7,5		10UWR/P 80/1
22	28	4	24,5	5		10UWR/P 22/1	85	95	6	88	7,5		10UWR/P 85/1
	30,6	5,3	25	6,5		10UWR/P 22		97,2	7,1	91	8,5		10UWR/P 85
24	32,6	5,3	27	6,5		10UWR/P 24	90	100	6	93	7,5		10UWR/P 90/1
								102,2	7,1	96	8,5		10UWR/P 90
25	31	4	27,5	5		10UWR/P 25/1	100	110	6	103	7,5		10UWR/P 100/1
	33	5	28	6		10UWR/P 25/2		112,2	7,1	106	8,5		10UWR/P 100
	33,6	5,3	28	6,5		10UWR/P 25	110	122,2	7,1	116,6	8,5		10UWR/P 110
								125	8,5	114	10,5		10UWR/P 110/1
28	36	5	31	6		10UWR/P 28/1	120	135	8,5	124	10,5		10UWR/P 120/1
	36,6	5,3	31	6,5		10UWR/P 28	125	140	8,5	129	10,5		10UWR/P 125/1
30	38	5	33	6		10UWR/P 30/1	140	155	8,5	144	10,5		10UWR/P 140/1
	38,6	5,3	33	6,5		10UWR/P 30	150	165	8,5	154	10,5		10UWR/P 150/1
32	40	5	35	6		10UWR/P 32/1	160	175	8,5	164	10,5		10UWR/P 160/1
	40,6	5,3	35	6,5		10UWR/P 32	180	195	8,5	184	10,5		10UWR/P 180/1
35	43	5	38	6		10UWR/P 35/1	240	255	8,5	244	10,5		10UWR/P 240/1
	43,6	5,3	38	6,5		10UWR/P 35							
36	44	5	39	6		10UWR/P 36/1							
	44,6	5,3	39	6,5		10UWR/P 36							
37	45,6	5,3	40	6,5		10UWR/P 37							
38	46,6	5,3	41	6,5		10UWR/P 38							
40	48	5	43	6		10UWR/P 40/1							
	48,6	5,3	43	6,5		10UWR/P 40							
	50	7	44	8,5		10UWR/P 40/2							
42	50	5	45	6		10UWR/P 42/1							



10UWR/PI wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

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.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids see pages 22-45

Materials see pages 10-19

- Polyurethane PU27

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

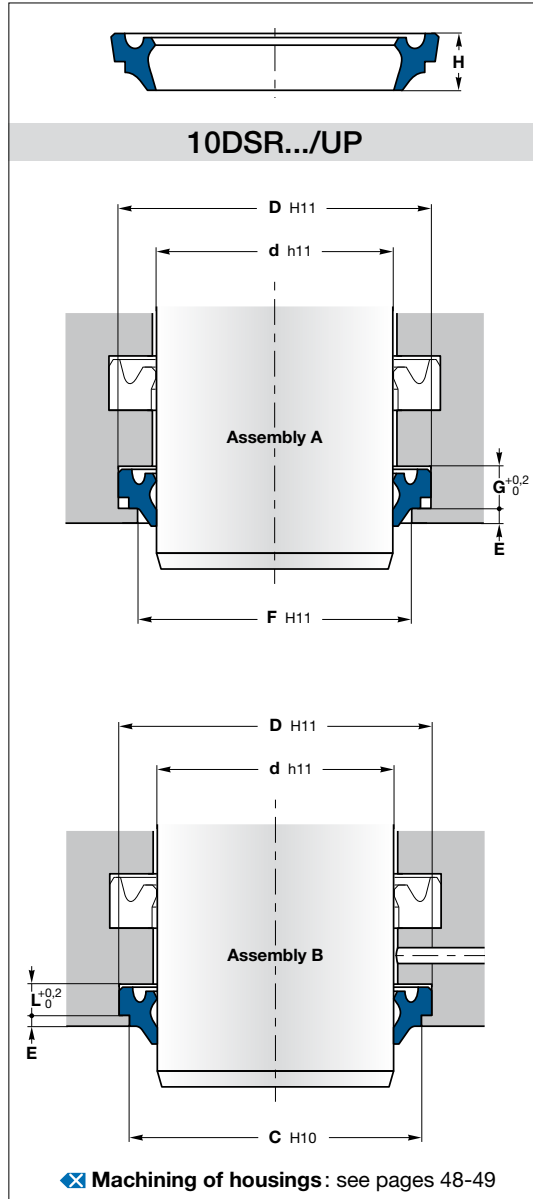
- Reduced oil film leakage
- Easy to assemble
- Simple groove construction
- Extended service life
- Excellent abrasion resistance

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
12,7	20,64	5,15	15,75	6	10UWR/PI 050081
15,87	23,81	5,15	18,92	6	10UWR/PI 062094
19,05	26,99	5,15	22,1	6	10UWR/PI 075106
22,22	31,75	5,54	25,65	7	10UWR/PI 087125
25,4	34,92	5,54	28,83	7	10UWR/PI 100137
28,57	38,1	5,54	32	7	10UWR/PI 112150
31,75	41,27	5,54	35,18	7	10UWR/PI 125162
34,92	44,45	5,54	38,35	7	10UWR/PI 137175
38,1	47,62	5,54	41,53	7	10UWR/PI 150187
41,27	50,8	5,54	44,7	7	10UWR/PI 162200
44,45	53,97	5,54	47,88	7	10UWR/PI 175212
47,62	57,15	5,54	51,05	7	10UWR/PI 187225
50,8	60,32	5,54	54,23	7	10UWR/PI 200237
53,97	63,5	5,54	57,4	7	10UWR/PI 212250
57,15	69,85	7,15	60,58	8,3	10UWR/PI 225275
60,32	73,02	7,15	63,75	8,3	10UWR/PI 237287
63,5	76,2	7,15	66,93	8,3	10UWR/PI 250300
66,67	79,37	7,15	70,1	8,3	10UWR/PI 262312
69,85	82,55	7,15	73,28	8,3	10UWR/PI 275325
76,2	88,9	7,15	79,63	8,3	10UWR/PI 300350
82,55	95,25	7,15	85,98	8,3	10UWR/PI 325375
88,9	101,6	7,15	92,33	8,3	10UWR/PI 350400
95,25	107,95	7,15	98,68	8,3	10UWR/PI 375425
101,6	114,3	7,15	105,03	8,3	10UWR/PI 400450
107,95	120,65	7,15	111,38	8,3	10UWR/PI 425475
114,3	127	7,15	117,73	8,3	10UWR/PI 450500
127	139,7	7,15	130,43	8,3	10UWR/PI 500550
139,7	152,4	7,15	143,13	8,3	10UWR/PI 550600
152,4	165,1	7,15	155,83	8,3	10UWR/PI 600650
177,8	190,5	7,15	181,23	8,3	10UWR/PI 700750
203,2	215,9	7,15	206,63	8,3	10UWR/PI 800850



10DSR.../UP wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

For assembly B (see picture) a drainage channel must be opened in this area.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,8 m/s
- Fluids see pages 22-45

Materials see pages 10-19

- Polyurethane PU11

Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

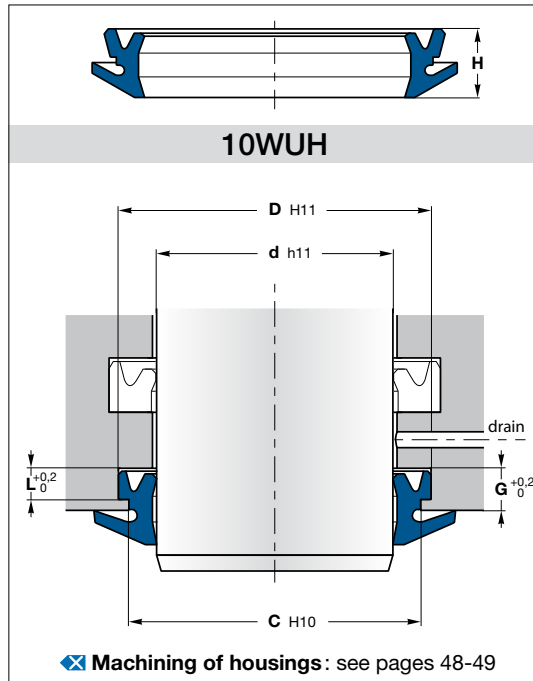
- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction
- Extended service life
- Excellent abrasion resistance

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	F	G	E	H	Reference
10	18	4	16	13,5	6	2	8	10DSR 10/UP
12	20	4	18	15,5	6	2	8	10DSR 12/UP
14	22	4	20	17,5	6	2	8	10DSR 14/UP
15	23	4	21	18,5	6	2	8	10DSR 15/UP
16	24	4	22	19,5	6	2	8	10DSR 16/UP
18	26	4	24	21,5	6	2	8	10DSR 18/UP
20	28	4	26	23,5	6	2	8	10DSR 20/UP
22	30	4	28	25,5	6	2	8	10DSR 22/UP
25	33	4	31	28,5	6	2	8	10DSR 25/UP
28	36	4	34	31,5	6	2	8	10DSR 28/UP
30	38	4	36	33,5	6	2	8	10DSR 30/UP
32	40	4	38	35,5	6	2	8	10DSR 32/UP
35	43	4	41	38,5	6	2	8	10DSR 35/UP
36	44	4	42	39,5	6	2	8	10DSR 36/UP
40	48	4	46	43,5	6	2	8	10DSR 40/UP
42	50	4	48	45,5	6	2	8	10DSR 42/UP
45	53	4	51	48,5	6	2	8	10DSR 45/UP
50	58	4	56	53,5	6	2	8	10DSR 50/UP
55	63	4	61	58,5	6	2	8	10DSR 55/UP
56	64	4	62	59,5	6	2	8	10DSR 56/UP
60	68	4	66	63,5	6	2	8	10DSR 60/UP
63	71	4	69	66,5	6	2	8	10DSR 63/UP
65	73	4	71	68,5	6	2	8	10DSR 65/UP
70	78	4	76	73,5	6	2	8	10DSR 70/UP
75	83	4	81	78,5	6	2	8	10DSR 75/UP
80	88	4	86	83,5	6	2	8	10DSR 80/UP
85	93	4	91	88,5	6	2	8	10DSR 85/UP
90	98	4	96	93,5	6	2	8	10DSR 90/UP
100	108	4	106	103,5	6	2	8	10DSR 100/UP
105	117	5,5	114	110	8,2	3	11	10DSR 105/UP
110	122	5,5	119	115	8,2	3	11	10DSR 110/UP
115	127	5,5	124	120	8,2	3	11	10DSR 115/UP
120	132	5,5	129	125	8,2	3	11	10DSR 120/UP
125	137	5,5	134	130	8,2	3	11	10DSR 125/UP
130	142	5,5	139	135	8,2	3	11	10DSR 130/UP



10WUH wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

The special feature of this wiper is the external flap which covers the gland housing and prevents the **intrusion of particles** and moisture around the outside.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Polyurethane	PU 93 Sh A
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Assembly see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

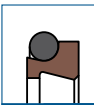
- Absolute protection against moisture entering the groove
- Developed for heavy duty applications: mining industry, foundries...
- Reduced oil film leakage
- No push out of the wiper through excessive pressure
- Particularly suitable for vertical cylinders pointing upwards
- Excellent abrasion resistance
- Extended service life
- Easy to assemble
- Small housing

Please contact us for applications approaching maximum values.

More information

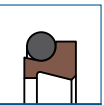
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	G	H	Reference
26	34	4	32	5	8,7	10WUH 26
30	38	4	36	5	8,7	10WUH 30
32	40	4	38	5	8,7	10WUH 32
36	44	4	42	5	8,7	10WUH 36
40	48	4	46	5	8,7	10WUH 40
45	53	4	51	5	8,7	10WUH 45
50	58	4	56	5	8,7	10WUH 50
52	60	4	58	5	8,7	10WUH 52
56	64	4	62	5	8,7	10WUH 56
60	68	4	66	5	8,7	10WUH 60
68	76	4	74	5	8,7	10WUH 68
70	78	4	76	5	8,7	10WUH 70
75	83	4	81	5	8,7	10WUH 75
80	88	4	86	5	8,7	10WUH 80
100	110	6,3	107	8,1	11,7	10WUH 100
110	125	9,5	120	12	17	10WUH 110
125	140	9,5	135	12	17	10WUH 125



10WTF...B-55

Rubber energised PTFE double acting wiper



10WTF...B-55

Example of item code
10WTF 0500B - 55 / 4470

Sealtech code Diameter d (mm x 10) Material ① Material ②

⊗ **Machining of housings**: see pages 48-49

10WTF...B-55 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 ⊗ [see page 8](#)

- Temperature -30°C to 100°C
- Speed ≤ 15 m/s
- Fluids ⊗ [see pages 22-45](#)

Materials ⊗ [see pages 10-19](#)

- Dynamic sealing element ① PT55
- Energising element ② NBR 70 Sh A

Assembly ⊗ [see pages 54-59](#)

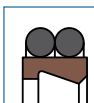
O-ring and PTFE-ring may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low static and dynamic friction
- No stick-slip
- 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 -45°C up to 200°C with the right O-ring
- Extended service life
- Simple groove construction

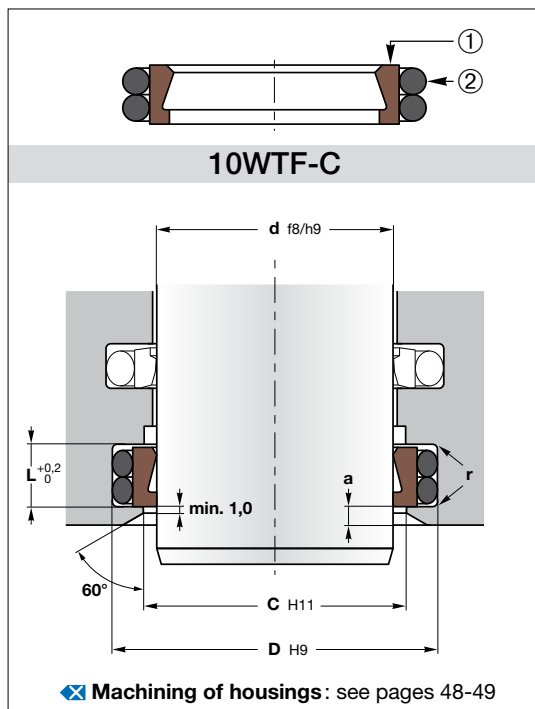
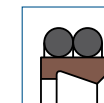
d (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
Standard range	Extended range					
6 → 11,9	6 → 13	3,7	d + 4,8	d + 1,5	2	1,78
12 → 64,9	10 → 245	5	d + 6,8	d + 1,5	2	2,62
65 → 250,9	25 → 400	6	d + 8,8	d + 1,5	3	3,53
251 → 420,9	40 → 655	8,4	d + 12,2	d + 2	4	5,34
421 → 650,9	110 → 655	11	d + 16	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	O-ring NBR 70 Sh A	ISO 6136/D	Reference
6	10,8	3,7	7,5	0,4	2	7,65 x 1,78		• 10WTF 0060B-55/4470
8	12,8	3,7	9,5	0,4	2	9,25 x 1,78		• 10WTF 0080B-55/4470
10	14,8	3,7	11,5	0,4	2	10,82 x 1,78		• 10WTF 0100B-55/4470
12	18,8	5	13,5	0,7	2	13,94 x 2,62		• 10WTF 0120B-55/4470
14	20,8	5	15,5	0,7	2	15,54 x 2,62		• 10WTF 0140B-55/4470
15	21,8	5	16,5	0,7	2	17,62 x 2,62		• 10WTF 0150B-55/4470
16	22,8	5	17,5	0,7	2	18,72 x 2,62		• 10WTF 0160B-55/4470
18	24,8	5	19,5	0,7	2	20,29 x 2,62		• 10WTF 0180B-55/4470
20	26,8	5	21,5	0,7	2	21,89 x 2,62		• 10WTF 0200B-55/4470
22	28,8	5	23,5	0,7	2	23,47 x 2,62		• 10WTF 0220B-55/4470
25	31,8	5	26,5	0,7	2	26,64 x 2,62		• 10WTF 0250B-55/4470
28	34,8	5	29,5	0,7	2	29,82 x 2,62		• 10WTF 0280B-55/4470
30	36,8	5	31,5	0,7	2	31,42 x 2,62		• 10WTF 0300B-55/4470
32	38,8	5	33,5	0,7	2	34,59 x 2,62		• 10WTF 0320B-55/4470
35	41,8	5	36,5	0,7	2	36,17 x 2,62		• 10WTF 0350B-55/4470
36	42,8	5	37,5	0,7	2	37,77 x 2,62		• 10WTF 0360B-55/4470
40	46,8	5	41,5	0,7	2	42,52 x 2,62		• 10WTF 0400B-55/4470
42	48,8	5	43,5	0,7	2	44,12 x 2,62		• 10WTF 0420B-55/4470
45	51,8	5	46,5	0,7	2	47,29 x 2,62		• 10WTF 0450B-55/4470
50	56,8	5	51,5	0,7	2	52,07 x 2,62		• 10WTF 0500B-55/4470
55	61,8	5	56,5	0,7	2	56,82 x 2,62		• 10WTF 0550B-55/4470
56	62,8	5	57,5	0,7	2	58,42 x 2,62		• 10WTF 0560B-55/4470
60	66,8	5	61,5	0,7	2	61,6 x 2,62		• 10WTF 0600B-55/4470
63	69,8	5	64,5	0,7	2	64,77 x 2,62		• 10WTF 0630B-55/4470
65	73,8	6	66,5	1	3	66,27 x 3,53		• 10WTF 0650B-55/4470
70	78,8	6	71,5	1	3	72,62 x 3,53		• 10WTF 0700B-55/4470
75	83,8	6	76,5	1	3	75,79 x 3,53		• 10WTF 0750B-55/4470
80	88,8	6	81,5	1	3	82,14 x 3,53		• 10WTF 0800B-55/4470
85	93,8	6	86,5	1	3	88,49 x 3,53		• 10WTF 0850B-55/4470
90	98,8	6	91,5	1	3	91,67 x 3,53		• 10WTF 0900B-55/4470
95	103,8	6	96,5	1	3	98,02 x 3,53		• 10WTF 0950B-55/4470
100	108,8	6	101,5	1	3	104,37 x 3,53		• 10WTF 1000B-55/4470
105	113,8	6	106,5	1	3	107,54 x 3,53		• 10WTF 1050B-55/4470
110	118,8	6	111,5	1	3	113,89 x 3,53		• 10WTF 1100B-55/4470
115	123,8	6	116,5	1	3	117,07 x 3,53		• 10WTF 1150B-55/4470
120	128,8	6	121,5	1	3	123,42 x 3,53		• 10WTF 1200B-55/4470
125	133,8	6	126,5	1	3	129,77 x 3,53		• 10WTF 1250B-55/4470
130	138,8	6	131,5	1	3	132,94 x 3,53		• 10WTF 1300B-55/4470
135	143,8	6	136,5	1	3	139,29 x 3,53		• 10WTF 1350B-55/4470
140	148,8	6	141,5	1	3	142,47 x 3,53		• 10WTF 1400B-55/4470
150	158,8	6	151,5	1	3	151,99 x 3,53		• 10WTF 1500B-55/4470
153	161,8	6	154,5	1	3	158,34 x 3,53		• 10WTF 1530B-55/4470
160	168,8	6	161,5	1	3	164,69 x 3,53		• 10WTF 1600B-55/4470
170	178,8	6	171,5	1	3	171,04 x 3,53		• 10WTF 1700B-55/4470
173	181,8	6	174,5	1	3	171,04 x 3,53		• 10WTF 1730B-55/4470
180	188,8	6	181,5	1	3	183,74 x 3,53		• 10WTF 1800B-55/4470
190	198,8	6	191,5	1	3	196,44 x 3,53		• 10WTF 1900B-55/4470
200	208,8	6	201,5	1	3	202,79 x 3,53		• 10WTF 2000B-55/4470
240	248,8	6	241,5	1	3	247,24 x 3,53		• 10WTF 2400B-55/4470



10WTF-C

PTFE double acting wiper with two energising rings



10WTF-C 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. The wiper is always installed with two O-rings in one groove.

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.

Both elastomer O-rings on the static side work as an energising rings and pressurise 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 see page 8

Temperature	-30°C to 100°C
Speed	≤ 5 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Dynamic sealing element ①	PT55
Energising element ②	NBR 70 Sh A

Assembly see pages 54-59

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
- 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-rings
- Large temperature range -45°C up to 200°C with the right O-rings
- Extended service life
- Simple groove construction

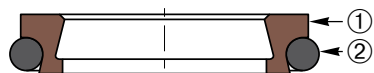
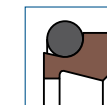
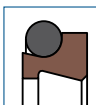
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d (mm)	L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
20 → 39,9	4,2	d + 7,6	d + 1	4	1,78
40 → 69,9	6,3	d + 8,8	d + 1,5	4	2,62
70 → 139,9	8,1	d + 12,2	d + 2	4	3,53
140 → 399,9	11,5	d + 16	d + 2	5	5,34
400 → 649,9	15,5	d + 24	d + 2,5	6	7
650 → 999,9	18	d + 27,3	d + 2,5	8	8,4

d	D	L	C	r	a _{min.}	O-ring 2 pcs NBR 70 Sh A	ISO 6185/D	Reference
20	27,6	4,2	21	0,4	3	23,52 x 1,78		• 10WTF-C 20
25	32,6	4,2	26	0,4	3	28,3 x 1,78		• 10WTF-C 25
28	35,6	4,2	29	0,4	3	31,47 x 1,78		• 10WTF-C 28
30	37,6	4,2	31	0,4	3	34,65 x 1,78		• 10WTF-C 30
32	39,6	4,2	33	0,4	3	36,27 x 1,78		• 10WTF-C 32
36	43,6	4,2	37	0,4	3	39,45 x 1,78		• 10WTF-C 36
40	48,8	6,3	41,5	1,2	3	44,12 x 2,62		• 10WTF-C 40
45	53,8	6,3	46,5	1,2	3	48,9 x 2,62		• 10WTF-C 45
50	58,8	6,3	51,5	1,2	3	53,64 x 2,62		• 10WTF-C 50
55	63,8	6,3	56,5	1,2	3	58,42 x 2,62		• 10WTF-C 55
56	64,8	6,3	57,5	1,2	3	59,99 x 2,62		• 10WTF-C 56
60	68,8	6,3	61,5	1,2	3	64,77 x 2,62		• 10WTF-C 60
63	71,8	6,3	64,5	1,2	3	67,95 x 2,62		• 10WTF-C 63
65	73,8	6,3	66,5	1,2	3	69,52 x 2,62		• 10WTF-C 65
70	82,2	8,1	72	2	4	75,79 x 3,53		• 10WTF-C 70
75	87,2	8,1	77	2	4	78,97 x 3,53		• 10WTF-C 75
80	92,2	8,1	82	2	4	85,32 x 3,53		• 10WTF-C 80
85	97,2	8,1	87	2	4	88,49 x 3,53		• 10WTF-C 85
90	102,2	8,1	92	2	4	94,84 x 3,53		• 10WTF-C 90
100	112,2	8,1	102	2	4	107,54 x 3,53		• 10WTF-C 100
105	117,2	8,1	107	2	4	110,72 x 3,53		• 10WTF-C 105
110	122,2	8,1	112	2	4	113,89 x 3,53		• 10WTF-C 110
115	127,2	8,1	117	2	4	120,24 x 3,53		• 10WTF-C 115
120	132,2	8,1	122	2	4	123,42 x 3,53		• 10WTF-C 120
125	137,2	8,1	127	2	4	129,77 x 3,53		• 10WTF-C 125
130	142,2	8,1	132	2	4	136,12 x 3,53		• 10WTF-C 130
140	156	11,5	142	2	5	145,42 x 5,34		• 10WTF-C 140
150	166	11,5	152	2	5	151,77 x 5,34		• 10WTF-C 150
160	176	11,5	162	2	5	164,47 x 5,34		• 10WTF-C 160
170	186	11,5	172	2	5	177,17 x 5,34		• 10WTF-C 170
180	196	11,5	182	2	5	183,52 x 5,34		• 10WTF-C 180
190	206	11,5	192	2	5	196,22 x 5,34		• 10WTF-C 190
200	216	11,5	202	2	5	202,57 x 5,34		• 10WTF-C 200
220	236	11,5	222	2	5	221,62 x 5,34		• 10WTF-C 220
230	246	11,5	232	2	5	234,32 x 5,34		• 10WTF-C 230
240	256	11,5	242	2	5	247,02 x 5,34		• 10WTF-C 240
250	266	11,5	252	2	5	253,37 x 5,34		• 10WTF-C 250
260	276	11,5	262	2	5	266,07 x 5,34		• 10WTF-C 260
280	296	11,5	282	2	5	278,77 x 5,34		• 10WTF-C 280
300	316	11,5	302	2	5	304,17 x 5,34		• 10WTF-C 300
310	326	11,5	312	2	5	315 x 5,34		• 10WTF-C 310
320	336	11,5	322	2	5	329,57 x 5,34		• 10WTF-C 320
350	366	11,5	352	2	5	354,97 x 5,34		• 10WTF-C 350
360	376	11,5	362	2	5	365 x 5,3		• 10WTF-C 360
400	424	15,5	402,5	2	6	405,26 x 7		• 10WTF-C 400

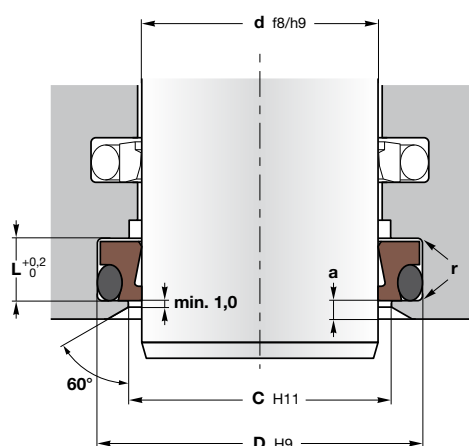


10WTF-P...B-55

Example of item code

10WTF-P 0500B - 55 / 4470

Sealtech code Diameter d (mm x 10) Material ① Material ②



✦ Machining of housings: see pages 48-49

10WTF-P...B-55 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.

Compared to 10WTF...B-55, 10WTF-P...B-55 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 ✦ see page 8

Temperature -30°C to 100°C
Speed ≤ 15 m/s
Fluids ✦ see pages 22-45

Materials ✦ see pages 10-19

Dynamic sealing element ① PT55
Energising element ② NBR 70 Sh A

Assembly ✦ see pages 54-59

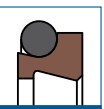
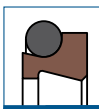
O-ring and PTFE-ring may easily be mounted into the grooved housing (above 30 mm)

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

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		10WTF-P 0200B-55/4470
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62		10WTF-P 0250B-55/4470
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62		10WTF-P 0280B-55/4470
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62		10WTF-P 0300B-55/4470
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62		10WTF-P 0320B-55/4470
36	43,6	4,2	37,5	0,8	3	39,34 x 2,62		10WTF-P 0360B-55/4470
40	48,8	6,3	41,5	0,8	3	44,12 x 2,62		10WTF-P 0400B-55/4470
42	50,8	6,3	43,5	0,8	3	45,69 x 2,62		10WTF-P 0420B-55/4470
45	53,8	6,3	46,5	0,8	3	48,9 x 2,62		10WTF-P 0450B-55/4470
50	58,8	6,3	51,5	0,8	3	53,64 x 2,62		10WTF-P 0500B-55/4470
55	63,8	6,3	56,5	0,8	3	58,42 x 2,62		10WTF-P 0550B-55/4470
56	64,8	6,3	57,5	0,8	3	59,99 x 2,62		10WTF-P 0560B-55/4470
60	68,8	6,3	61,5	0,8	3	63,17 x 2,62		10WTF-P 0600B-55/4470
63	71,8	6,3	64,5	0,8	3	66,34 x 2,62		10WTF-P 0630B-55/4470
65	73,8	6,3	66,5	0,8	3	67,95 x 2,62		10WTF-P 0650B-55/4470
70	82,2	8,1	72	1,5	4	75,79 x 3,53		10WTF-P 0700B-55/4470
75	87,2	8,1	77	1,5	4	78,97 x 3,53		10WTF-P 0750B-55/4470
80	92,2	8,1	82	1,5	4	85,32 x 3,53		10WTF-P 0800B-55/4470
85	97,2	8,1	87	1,5	4	88,49 x 3,53		10WTF-P 0850B-55/4470
90	102,2	8,1	92	1,5	4	94,84 x 3,53		10WTF-P 0900B-55/4470
95	107,2	8,1	97	1,5	4	101,19 x 3,53		10WTF-P 0950B-55/4470
100	112,2	8,1	102	1,5	4	104,37 x 3,53		10WTF-P 1000B-55/4470
105	117,2	8,1	107	1,5	4	110,72 x 3,53		10WTF-P 1050B-55/4470
110	122,2	8,1	112	1,5	4	113,89 x 3,53		10WTF-P 1100B-55/4470
115	127,2	8,1	117	1,5	4	120,24 x 3,53		10WTF-P 1150B-55/4470
120	132,2	8,1	122	1,5	4	123,42 x 3,53		10WTF-P 1200B-55/4470
125	137,2	8,1	127	1,5	4	129,77 x 3,53		10WTF-P 1250B-55/4470
130	142,2	8,1	132	1,5	4	136,12 x 3,53		10WTF-P 1300B-55/4470
135	147,2	8,1	137	1,5	4	139,29 x 3,53		10WTF-P 1350B-55/4470
140	156	9,5	142,5	1,5	5	145,42 x 5,34		10WTF-P 1400B-55/4470
150	166	9,5	152,5	1,5	5	158,12 x 5,34		10WTF-P 1500B-55/4470
160	176	9,5	162,5	1,5	5	164,47 x 5,34		10WTF-P 1600B-55/4470
170	186	9,5	172,5	1,5	5	177,17 x 5,34		10WTF-P 1700B-55/4470
180	196	9,5	182,5	1,5	5	183,52 x 5,34		10WTF-P 1800B-55/4470
190	206	9,5	192,5	1,5	5	196,22 x 5,34		10WTF-P 1900B-55/4470
200	216	9,5	202,5	1,5	5	202,57 x 5,34		10WTF-P 2000B-55/4470
210	226	9,5	212,5	1,5	5	215,27 x 5,34		10WTF-P 2100B-55/4470
220	236	9,5	222,5	1,5	5	227,97 x 5,34		10WTF-P 2200B-55/4470
230	246	9,5	232,5	1,5	5	234,32 x 5,34		10WTF-P 2300B-55/4470
240	256	9,5	242,5	1,5	5	247,02 x 5,34		10WTF-P 2400B-55/4470
250	266	9,5	252,5	1,5	5	253,37 x 5,34		10WTF-P 2500B-55/4470
260	276	9,5	262,5	1,5	5	266,07 x 5,34		10WTF-P 2600B-55/4470



10WTF-P...B-55
Example of item code
10WTF-P 0500B - 55 / 4470
Sealtech code Diameter d (mm x 10) Material ① Material ②

Machining of housings: see pages 48-49

10WTF-P...B-55 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.

Compared to 10WTF...B-55, **10WTF-P...B-55** 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 see page 8

- Temperature -30°C to 100°C
- Speed ≤ 15 m/s
- Fluids see pages 22-45

Materials see pages 10-19

- Dynamic sealing element ① PT55
- Energising element ② NBR

Assembly see pages 54-59

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

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		10WTF-P 2700B-55/4470
280	296	9,5	282,5	1,5	5	291,47 x 5,34		10WTF-P 2800B-55/4470
300	316	9,5	302,5	1,5	5	304,17 x 5,34		10WTF-P 3000B-55/4470
320	336	9,5	322,5	1,5	5	329,57 x 5,34		10WTF-P 3200B-55/4470
330	346	9,5	332,5	1,5	5	329,57 x 5,34		10WTF-P 3300B-55/4470
350	366	9,5	352,5	1,5	5	354,97 x 5,34		10WTF-P 3500B-55/4470
360	376	9,5	362,5	1,5	5	366,34 x 5,34		10WTF-P 3600B-55/4470
380	396	9,5	382,5	1,5	5	380,37 x 5,34		10WTF-P 3800B-55/4470
400	424	14	402,5	1,5	8	405,26 x 7		10WTF-P 4000B-55/4470
530	554	14	532,5	1,5	8	532,26 x 7		10WTF-P 5300B-55/4470

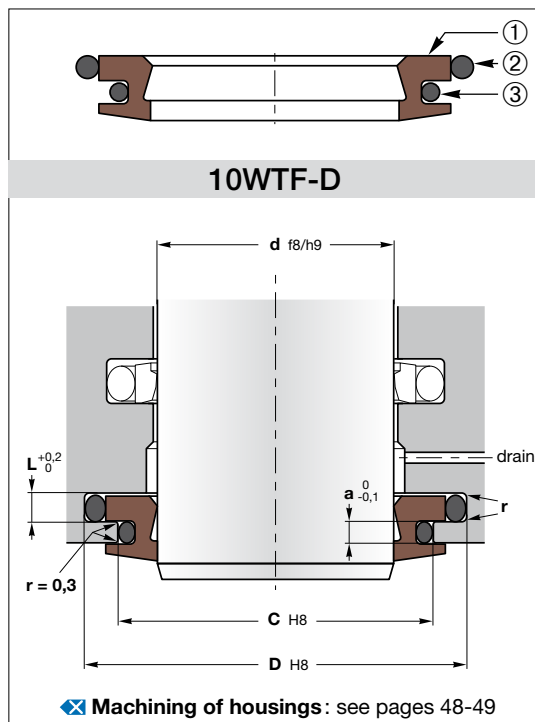
Please contact us for applications approaching maximum values.

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

762 For special requirements (fluid, temperature, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM, HNBR, TNBR, EPDM...**

We stock and deliver the reference 17WE5 instead of reference 10WTF-C for rod diameters up to 32 mm included. On request we will produce the 10WTF-C references.

10WTF-P...B wipers with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: **www.sealtech-business.be**



This double-acting wiper has two different functions. **10WTF-D** prevents the introduction of foreign matter into the system and holds back the residual oil film passing the rod seal.

This wiper is composed of two PTFE wiper lips which assure low friction and high speed performance. The O-ring ② works as an energising ring and maintains the pressure of the wiper lips against the sliding surface.

The O-ring ③ works as a static seals and maintains the pressure of the outer lip against the sliding surface.

PTFE has also an excellent chemical resistance, which enables by changing the O-rings material (except mineral oils) the use with different type of oils.

In order to avoid any possible hydrodynamic pressure problems between the rod seal and the **10WTF-D**, it is preferably to use a rod seal with a hydrodynamic **back-pumping function**.

This wipers is generally used in heavily dirty environments because there is no dirt trapping due to the extended scraping lip.

Operating conditions see page 8

Temperature	-30°C to 100°C
Speed	≤ 5 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Dynamic sealing element ①	PT55
Energising element ②	NBR 70 Sh A
Static seal and energising element ③	NBR 70 Sh A

Assembly see pages 54-59

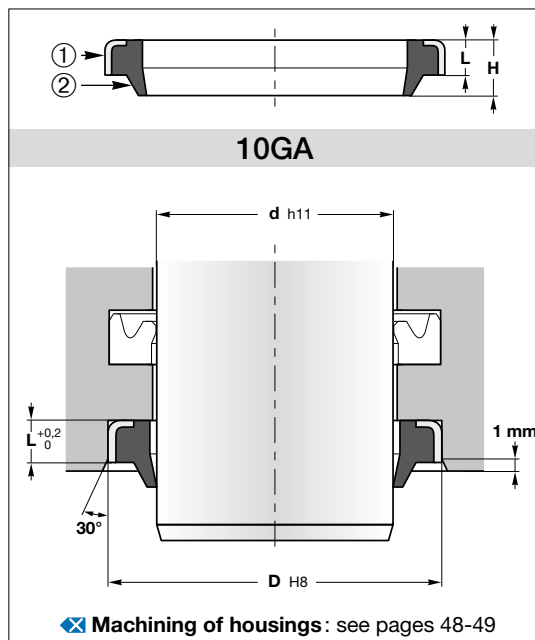
O-ring and PTFE-ring may easily be mounted into the grooved housing (above 30 mm)

Advantages

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

d	D	L	C	r	a	O-ring ② NBR 70 Sh A	O-ring ③ NBR 70 Sh A	Reference
140	162,2	6,3	150,7	1,2	4,2	151,77 x 5,34	142,47 x 3,53	10WTF-D 140
160	182,2	6,3	170,7	1,2	4,2	170,82 x 5,34	164,69 x 3,53	10WTF-D 160
180	202,2	6,3	190,7	1,2	4,2	189,87 x 5,34	183,74 x 3,53	10WTF-D 180
200	222,2	6,3	210,7	1,2	4,2	215,27 x 5,34	202,79 x 3,53	10WTF-D 200
220	242,2	6,3	230,7	1,2	4,2	234,32 x 5,34	221,84 x 3,53	10WTF-D 220
250	274,2	6,3	260,7	1,2	4,2	266,07 x 5,34	253,59 x 3,53	10WTF-D 250
280	304,2	6,3	290,7	1,2	4,2	291,47 x 5,34	291,69 x 3,53	10WTF-D 280
320	353	8,1	335,1	1,2	6,3	342,47 x 7	329,57 x 5,34	10WTF-D 320
360	393	8,1	375,1	1,2	6,3	380,37 x 7	354,97 x 5,34	10WTF-D 360


d (mm)		L (mm)	D (mm)	C (mm)	a (mm)	r (mm)	O-ring C/S ②	O-ring C/S ③
Standard range	Extended range							
140 → 229,9	100 → 450	6,3	d + 22,2	d + 10,7	4,2	1,2	5,34	3,53
230 → 299,9	220 → 450	6,3	d + 24,2	d + 10,7	4,2	1,2	5,34	3,53
300 → 629,9	250 → 650	8,1	d + 33	d + 15,1	6,3	1,2	7	5,34
630 → 999,9	550 → 999,9	9,5	d + 36,5	d + 15,1	6,3	2	8,4	5,34



10GA is a single-acting elastomer wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of **10GA** wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

Operating conditions  see page 8

Temperature -30°C to 100°C
Speed ≤ 0,8 m/s
Fluids  see pages 22-45

Materials  see pages 10-19

Metal cage ① Carbon steel
Wiper ② NBR 90 Sh A

Assembly  see pages 54-59

Must be pressed in an open housing

Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Easy installation especially with small diameters

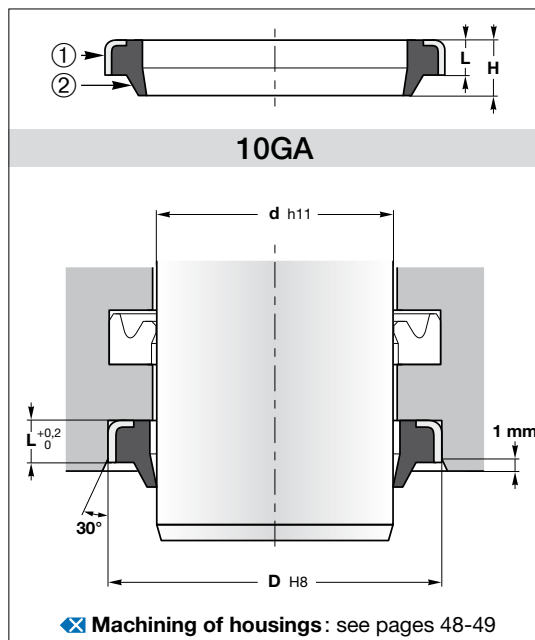
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	ISO 6195/B	Reference
6	13	3	4,5		10GA 0613/3
8	15	3	5		10GA 0815/3
10	16	3	4,5		10GA 1016/3
	18	5	8		10GA 1018/5
	18,9	2,9	5		10GA 1019/3
12	20	5	8		10GA 1020/5
	18	3,5	5		10GA 1218/3
	20	4	6		10GA 1220/4
14	22	5	8		10GA 1222/5
	20	3	4,5		10GA 1420/3
15	22	3	4		10GA 1422/3
	25	5	8		10GA 1425/5
	21	3,5	5		10GA 1521/3
16	25	5	8		10GA 1525/5
	22	3	4		10GA 1622/3
	24	5	8		10GA 1624/5
18	26	5	8		10GA 1626/5
	28	5	7		10GA 1828/5
	28	7	10	•	10GA 1828/7
20	28	7	10	•	10GA 1828/7
	26	3,5	5		10GA 2026/3
	28	3,5	5		10GA 2028/3
	28	5	7		10GA 2028/5
22	30	4	6		10GA 2030/4
	30	5	8		10GA 2030/5
	30	7	10	•	10GA 2030/7
	35	7	10		10GA 2035/7
24	28	5	9		10GA 2228/5
	30	4	7		10GA 2230/4
	32	5	7		10GA 2232/5
25	32	7	10	•	10GA 2232/7
	35	5	8		10GA 2235/5
	32	5	7		10GA 2432/5
28	32	5	7		10GA 2432/5
	32	5	7		10GA 2532/5
	35	5	8		10GA 2535/5
30	35	7	10	•	10GA 2535/7
	38	5	8		10GA 2838/5
	38	7	10	•	10GA 2838/7
40	40	7	10		10GA 2840/7


d	D	L	H	ISO 6195/B	Reference
30	36	5	8		10GA 3036/5
	40	5	8		10GA 3040/5
	40	7	10		10GA 3040/7
32	45	5	8		10GA 3045/5
	40	4	7		10GA 3240/4
	42	5	7		10GA 3242/5
33	42	7	10		10GA 3242/7
	45	4	8		10GA 3245/4
35	45	7	10		10GA 3245/7
	43	5	8		10GA 3343/5
36	45	5	8		10GA 3545/5
	45	7	10		10GA 3545/7
	47	7	10		10GA 3547/7
37	45	7	10		10GA 3645/7
	46	5	8		10GA 3646/5
	46	7	10	•	10GA 3646/7
38	47	5	8		10GA 3747/5
	48	7	10		10GA 3848/7
	46	5	8		10GA 4046/5
40	50	5	8		10GA 4050/5
	50	7	10	•	10GA 4050/7
	52	5	8		10GA 4052/5
42	52	7	10		10GA 4252/7
	53,5	5	8		10GA 4553/5
	55	5	8		10GA 4555/5
45	55	7	10	•	10GA 4555/7
	60	7	10		10GA 4560/7
48	60	7	10		10GA 4860/7
	56	5	8		10GA 5056/5
	60	5	8		10GA 5060/5
50	60	7	10	•	10GA 5060/7
	65	5	8		10GA 5065/5
52	65	7	10		10GA 5065/7
	62	7	10		10GA 5262/7



10GA is a single-acting elastomer wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of **10GA** wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

Operating conditions  see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,8 m/s
 Fluids  see pages 22-45

Materials  see pages 10-19

Metal cage ① Carbon steel
 Wiper ② NBR 90 Sh A

Assembly  see pages 54-59

Must be pressed in an open housing

Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Easy installation especially with small diameters

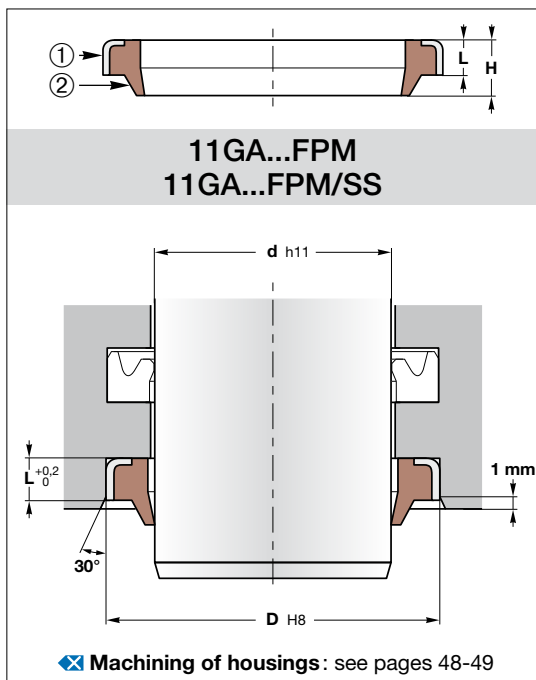
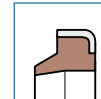
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	ISO 6195/B	Reference
55	63	7	10		10GA 5563/7
	65	5	8		10GA 5565/5
	65	7	10		10GA 5565/7
	70	7	10		10GA 5570/7
	80	5	8		10GA 5580/5
56	65	7	10		10GA 5665/7
	66	5	8		10GA 5666/5
	66	7	10	•	10GA 5666/7
60	70	5	7		10GA 6070/5
	70	7	10		10GA 6070/7
	74	5	8		10GA 6074/5
	75	7	10		10GA 6075/7
	80	7	10		10GA 6080/7
63	73	7	10		10GA 6373/7
	75	7	10		10GA 6375/7
	83	5	8		10GA 6383/5
65	75	7	10		10GA 6575/7
70	80	5	7		10GA 7080/5
	80	7	10	•	10GA 7080/7
75	85	7	10		10GA 7585/7
	87	5	7		10GA 7587/5
80	90	7	10	•	10GA 8090/7
84	94	5	8		10GA 8494/5
85	95	7	10		10GA 8595/7
90	100	5	7		10GA 90100/5
	100	7	10	•	10GA 90100/7
95	105	7	10		10GA 95105/7
100	110	5	7		10GA 100110/5
	110	7	10		10GA 100110/7
	115	8	11		10GA 100115/8

d	D	L	H	ISO 6195/B	Reference
105	115	7	10		10GA 105115/7
110	120	7	10	•	10GA 110120/7
	125	9	12		10GA 110125/9
115	125	7	10		10GA 115125/7
120	130	7	10		10GA 120130/7
123	147	9	12		10GA 123147/9
125	135	7	10		10GA 125135/7
	140	7	10		10GA 125140/7
	140	9	12	•	10GA 125140/9
130	145	9	12		10GA 130145/9
135	145	7	10		10GA 135145/7
	150	9	10		10GA 135150/9
140	150	7	10		10GA 140150/7
	155	9	12	•	10GA 140155/9
150	165	9	12		10GA 150165/9
	166	8	12		10GA 150166/8
152,4	171,45	5,26	12,7		10GA 152171/5
160	175	9	12	•	10GA 160175/9
170	185	10	14		10GA 170185/10
180	195	10	14		10GA 180195/10
200	220	12	16		10GA 200220/12
210	230	12	16		10GA 210230/12
220	240	12	16		10GA 220240/12



11GA...FPM is a single-acting elastomer wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of **11GA...FPM** wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and thereby to extend the service life of the rod seal. The elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

The elastomer material used for this wiper is a fluorocarbon elastomer, especially suited for processes at higher temperatures. While also having **better resistance** to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions see page 8

- Temperature -10°C to 180°C
- Speed ≤ 0,8 m/s
- Fluids see pages 22-45

Materials see pages 10-19

- Metal cage ①
11GA...FPM Carbon steel
11GA...FPM/SS Stainless steel
- Wiper ② FPM

Assembly see pages 54-59

Must be pressed in an open housing

Advantages

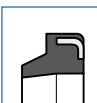
- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

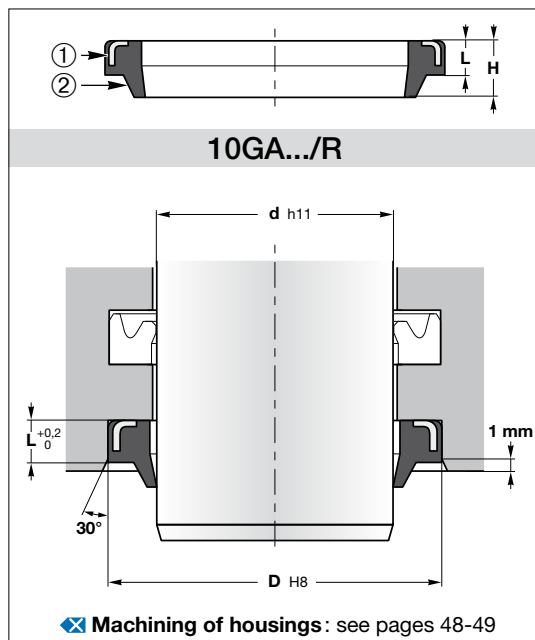
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	ISO 6195/B	Reference	d	D	L	H	ISO 6195/B	Reference
12	20	4	6		11GA 1220/4 FPM/SS	45	55 60	7 7	10 10		11GA 4555/7 FPM 11GA 4560/7 FPM
16	22 22	3 3	4 4		11GA 1622/3 FPM 11GA 1622/3 FPM/SS	50	56 60	5 5	8 8		11GA 5056/5 FPM 11GA 5060/5 FPM
20	28 28 30	3,5 3,5 4	5 5 6		11GA 2028/3 FPM 11GA 2028/3 FPM/SS 11GA 2030/4 FPM	55	65	7	10		11GA 5565/7 FPM
	30	7	10		• 11GA 2030/7 FPM	56	66	7	10		11GA 5666/7 FPM
22	28 32	5 7	9 10		11GA 2228/5 FPM • 11GA 2232/7 FPM	60	70	7	10		11GA 6070/7 FPM
25	35 35 35	5 7 7	8 10 10		11GA 2535/5 FPM 11GA 2535/7 FPM • 11GA 2535/7 FPM/SS	63	75	7	10		11GA 6375/7 FPM
	35	7	10		• 11GA 2535/7 FPM/SS	65	75	7	10		11GA 6575/7 FPM
28	38 40	5 7	8 10		11GA 2838/5 FPM 11GA 2840/7 FPM	70	80	7	10		• 11GA 7080/7 FPM
	40	7	10		• 11GA 2840/7 FPM	80	90	7	10		• 11GA 8090/7 FPM
30	40 40	5 7	8 10		11GA 3040/5 FPM 11GA 3040/7 FPM	85	95	7	10		11GA 8595/7 FPM
	40	7	10		• 11GA 3040/7 FPM	90	100	7	10		• 11GA 90100/7 FPM
32	45 45	4 7	8 10		11GA 3245/4 FPM 11GA 3245/7 FPM	100	110	7	10		11GA 100110/7 FPM
35	45	7	10		• 11GA 3545/7 FPM	110	120	7	10		11GA 110120/7 FPM
36	45	7	10		11GA 3645/7 FPM	120	130	7	10		11GA 120130/7 FPM
40	50 50	5 7	8 10		11GA 4050/5 FPM • 11GA 4050/7 FPM						



10GA.../R

NBR wiper with internal metal cage for open groove



10GA.../R is a single-acting elastomer wiper with a metal ring which is vulcanised into the elastomer body. The wiper has to be pressed into the open groove.

The function of **10GA.../R** wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and to extend the service life of the rod seal. The nitrile elastomer wiper lip produces an effective cleaning action to avoid damage to all internal components.

Operating conditions ⊗ see page 8

Temperature -30°C to 100°C
Speed ≤ 0,8 m/s
Fluids ⊗ see pages 22-45

Materials ⊗ see pages 10-19

Metal cage ① Carbon steel
Wiper ② NBR

Assembly ⊗ see pages 54-59

Must be pressed in an open housing

Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Metal ring protected against corrosive media
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

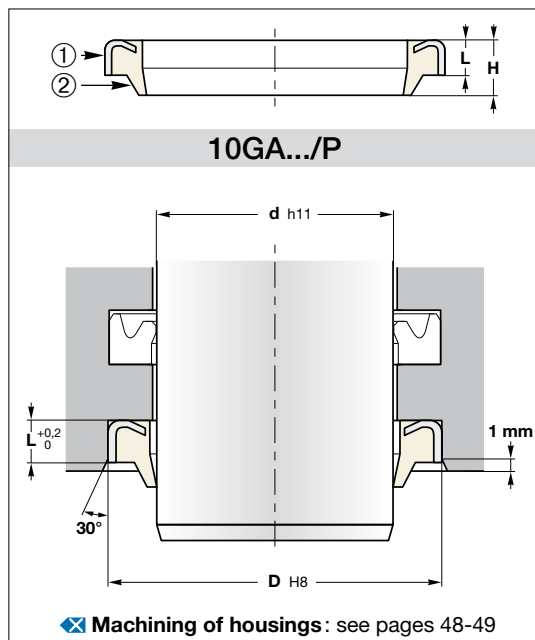
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	ISO 6195/B	Reference	d	D	L	H	ISO 6195/B	Reference
8	14	3,5	5		10GA 0814/3/R	42	52	5	7		10GA 4252/5/R
							52	7	10		10GA 4252/7/R
12	18	3,5	5		10GA 1218/3/R	45	55	5	7		10GA 4555/5/R
14	20	3,5	5		10GA 1420/3/R	50	60	5	7		10GA 5060/5/R
15	21	3,5	5		10GA 1521/3/R	55	65	5	7		10GA 5565/5/R
16	22	3,5	5		10GA 1622/3/R	56	66	5	7		10GA 5666/5/R
18	28	5	7		10GA 1828/5/R	60	70	5	7		10GA 6070/5/R
20	30	5	7		10GA 2030/5/R	63	73	5	7		10GA 6373/5/R
22	32	5	7		10GA 2232/5/R	65	75	5	7		10GA 6575/5/R
25	35	5	7		10GA 2535/5/R	70	80	5	7		10GA 7080/5/R
		35	7	10	10GA 2535/7/R	75	83	7	10		10GA 7583/7/R
							85	7	10		10GA 7585/7/R
28	38	5	7		10GA 2838/5/R	80	88	7	10		10GA 8088/7/R
30	40	5	7		10GA 3040/5/R		90	7	10	•	10GA 8090/7/R
		40	7	10	10GA 3040/7/R	85	95	7	10		10GA 8595/7/R
32	42	5	7		10GA 3242/5/R	100	110	7	10	•	10GA 100110/7/R
35	45	7	10		10GA 3545/7/R		120	7	10	•	10GA 100120/7/R
36	46	5	7		10GA 3646/5/R	140	155	9	12	•	10GA 140155/9/R
40	50	5	8		10GA 4050/5/R	160	175	9	12	•	10GA 160175/9/R



10GA.../P

PU wiper with metal cage for open groove



10GA.../P is a single-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

Wiper **10GA.../P** are well suited for applications in mobile hydraulic systems for heavy duty operation.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature -30°C to 100°C
Speed ≤ 0,8 m/s
Fluids see pages 22-45

Materials see pages 10-19

Metal cage ① Galvanised steel
Wiper ② PU15

Assembly see pages 54-59

Must be pressed in an open housing

Advantages

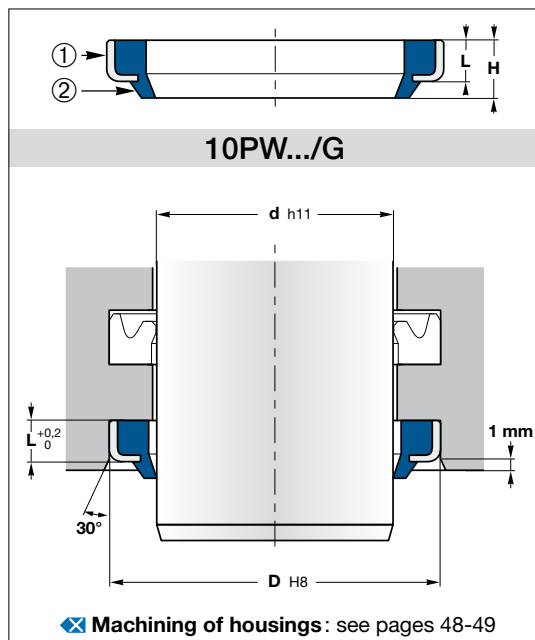
- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- For earth moving machines and difficult working conditions
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	ISO 6195/A	Reference	d	D	L	H	ISO 6195/A	Reference
12	20	4	6		10GA 1220/4/P	56	66	7	10	•	10GA 5666/7/P
16	22	3	4		10GA 1622/3/P	60	70	7	10		10GA 6070/7/P
20	30	7	10	•	10GA 2030/7/P	63	75	7	10		10GA 6375/7/P
25	35	5	7		10GA 2535/5/P		77	8	11		10GA 6377/8/P
	35	7	10	•	10GA 2535/7/P	65	75	7	10		10GA 6575/7/P
28	38	7	10		10GA 2838/7/P	70	80	7	10	•	10GA 7080/7/P
30	40	5	7		10GA 3040/5/P	75	85	7	10		10GA 7585/7/P
	40	7	10		10GA 3040/7/P	80	90	7	10	•	10GA 8090/7/P
32	42	7	10		10GA 3242/7/P	85	95	7	10		10GA 8595/7/P
35	45	5	7		10GA 3545/5/P	90	100	7	10	•	10GA 90100/7/P
	45	7	10		10GA 3545/7/P	100	110	7	10		10GA 100110/7/P
36	45	7	10		10GA 3645/7/P	105	115	7	10		10GA 105115/7/P
	46	4	10	•	10GA 3646/7/P	110	120	7	10	•	10GA 110120/7/P
40	50	5	7		10GA 4050/5/P	115	125	7	10		10GA 115125/7/P
	50	7	10	•	10GA 4050/7/P	120	130	7	10		10GA 120130/7/P
45	55	5	7		10GA 4555/5/P	125	140	9	12	•	10GA 125140/9/P
	55	7	10	•	10GA 4555/7/P	140	155	9	12	•	10GA 140155/9/P
	60	7	10		10GA 4560/7/P	180	195	9	12		10GA 180195/9/P
50	60	5	7		10GA 5060/5/P						
	60	7	10	•	10GA 5060/7/P						
55	65	5	7		10GA 5565/5/P						



10PW.../G is a single-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

In this case, the PU ring is not firmly vulcanised onto the metal cage and can be replaced without disassembling the cage out of the housing.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and thereby to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components. This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions see page 8

Temperature -30°C to 100°C
Speed ≤ 0,5 m/s
Fluids see pages 22-45

Materials see pages 10-19

Metal cage ① Carbon steel
Wiper ② PU10

Assembly see pages 54-59

Must be pressed in an open housing

Advantages

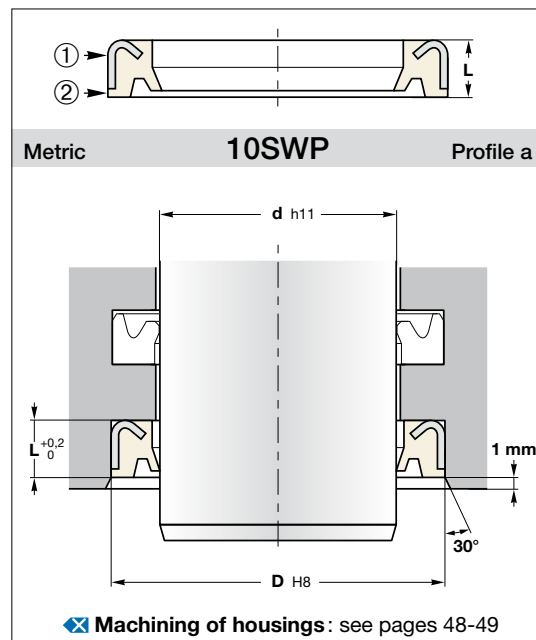
- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	Reference
14	22	4,5	6,5	10PW 14/G
15	25	5	7	10PW 15/1G
16	22	4,5	6,5	10PW 16/3G
	24	4,5	6,5	10PW 16/G
	26	5	7	10PW 16/1G
18	26	4,5	6,5	10PW 18/G
20	30	4	6	10PW 20/2G
	30	7	10	10PW 20/1G
22	32	5	7	10PW 22/3G
25	35	5	7	10PW 25/3G
	35	7	10	10PW 25/1G
28	40	7	10	10PW 28/1G
30	45	5	7	10PW 30/2G
32	44	7	10	10PW 32/5G
33	43	7	10	10PW 33/1G
35	47	7	10	10PW 35/G
40	50	5	7	10PW 40/2G
	50	7	10	10PW 40/1G
45	57	7	10	10PW 45/G
50	60	7	10	10PW 50/1G
	62	7	10	10PW 50/G
55	65	5	7	10PW 55/2G
	65	7	10	10PW 55/1G
	69	8	10,5	10PW 55/G
60	70	7	10	10PW 60/1G
	74	8	10,5	10PW 60/G
70	84	8	10,5	10PW 70/3G
80	90	7	10	10PW 80/1G
90	100	7	10	10PW 90/1G
100	114	8	10,5	10PW 100/G
125	140	9	12	10PW 125/1G



10SWP is a single-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and thereby to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

10SWP wiper are well suited for applications in mobile hydraulic systems for heavy duty operation.

Also produced in small dimensions (Profile b), they can be used as protection of bearings or other systems with swivel movements where reduced space is required.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ⊗ see page 8

Temperature -30°C to 100°C
Speed ≤ 0,5 m/s
Fluids ⊗ see pages 22-45

Materials ⊗ see pages 10-19

Metal cage ① Galvanised steel
Wiper ② PU14

Assembly ⊗ see pages 54-59

Must be pressed in an open housing

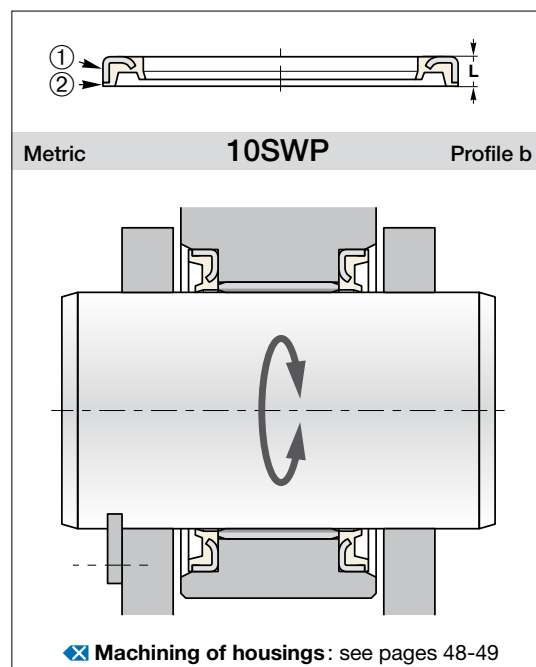
Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- For earth moving machines and difficult working conditions
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.



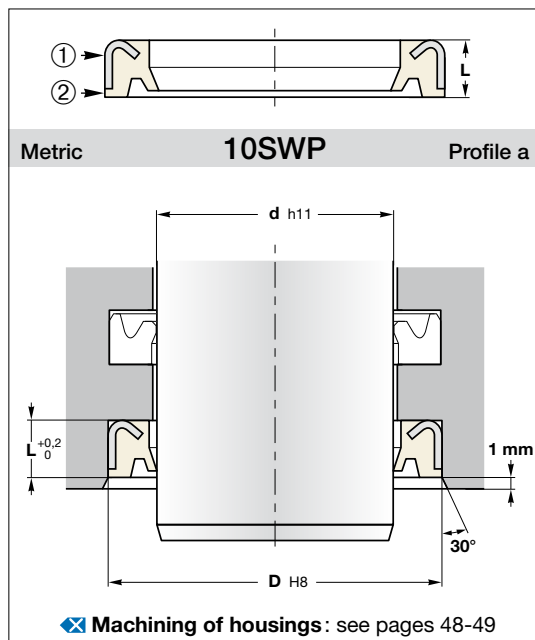
d	D	L	Reference
20	28	5	10SWP 2028
25	35	4	10SWP 2535
	37	6	10SWP 2537
	38	7,5	10SWP 2538
30	40	4	10SWP 3040
	43	7,5	10SWP 3043
35	45	4	10SWP 3545
	45	5	10SWP 3545/1
	47	7	10SWP 3547
50	50	7,5	10SWP 3550
	50	7,5	10SWP 3550
36	48	6	10SWP 3648
38	50	7,5	10SWP 3850
40	50	4	10SWP 4050
	52	7	10SWP 4052
42	52	7	10SWP 4252
45	55	4	10SWP 4555
	55	3,2	10SWP 4555/1
	55	6	10SWP 4555/2
50	57	7	10SWP 4557
	60	7,5	10SWP 4560
	60	5	10SWP 4560/1
50	60	4	10SWP 5060
	60	7	10SWP 5060/1
	60	5	10SWP 5060/2
60	62	7	10SWP 5062
	63	4	10SWP 5063
	63	8	10SWP 5063/1
65	7,5	10SWP 5065	
	5	10SWP 5065/1	
55	65	3,2	10SWP 5565
	65	4	10SWP 5565/1
	68	4	10SWP 5568
69	8	10SWP 5569	
	7,5	10SWP 5570	
	5	10SWP 5570/1	
56	70	7,5	10SWP 5670

d	D	L	Reference
60	70	7	10SWP 6070
	70	4	10SWP 6070/1
	73	8	10SWP 6073
70	74	8	10SWP 6074
	75	7,5	10SWP 6075
	75	4	10SWP 6075/1
75	75	5	10SWP 6075/2
	75	5	10SWP 6075/2
63	78	7,5	10SWP 6378
	80	5	10SWP 6380
65	75	5	10SWP 6575
	79	8	10SWP 6579
	80	8	10SWP 6580
80	80	5	10SWP 6580/1
	80	5	10SWP 6580/1
70	80	5	10SWP 7080
	80	7	10SWP 7080/1
	80	4	10SWP 7080/2
83	83	8	10SWP 7083
	84	8	10SWP 7084
85	85	7,5	10SWP 7085
	85	4	10SWP 7085/1
	85	5	10SWP 7085/2
90	90	5	10SWP 7090
	90	5	10SWP 7090
71	85	6	10SWP 7185
	86	5	10SWP 7186
75	89	8	10SWP 7589
	90	8	10SWP 7590
	90	6	10SWP 7590/1
95	95	10	10SWP 7595
	95	10	10SWP 7595
76,5	96,5	10	10SWP 7696
80	90	7	10SWP 8090
	90	4,5	10SWP 8090/1
	93	8	10SWP 8093
94	94	8	10SWP 8094
	95	8	10SWP 8095
	95	5	10SWP 8095/1
95	95	7,5	10SWP 8095/2
	100	10	10SWP 80100
	100	6	10SWP 80100/1



10SWP

PU wiper with metal cage for open groove



10SWP is a single-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and thereby to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

10SWP wiper are well suited for applications in mobile hydraulic systems for heavy duty operation.

Also produced in small dimensions (Profile b), they can be used as protection of bearings or other systems with swivel movements where reduced space is required.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ⊗ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 0,5 m/s
- Fluids ⊗ see pages 22-45

Materials ⊗ see pages 10-19

- Metal cage ① Galvanised steel
- Wiper ② PU14

Assembly ⊗ see pages 54-59

Must be pressed in an open housing

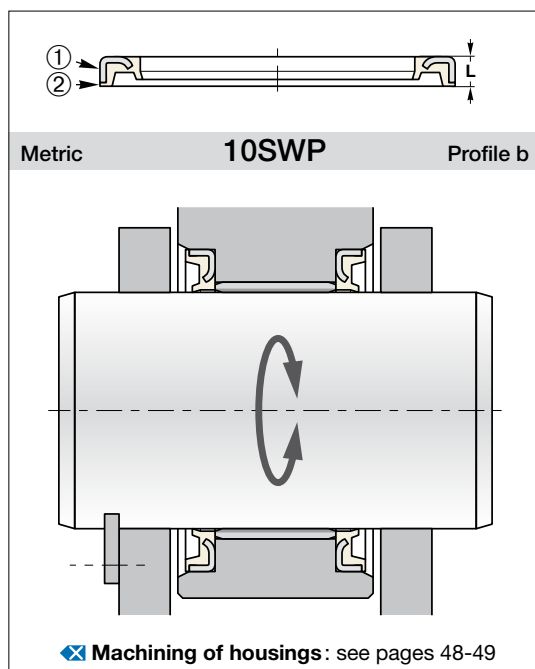
Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- For earth moving machines and difficult working conditions
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.



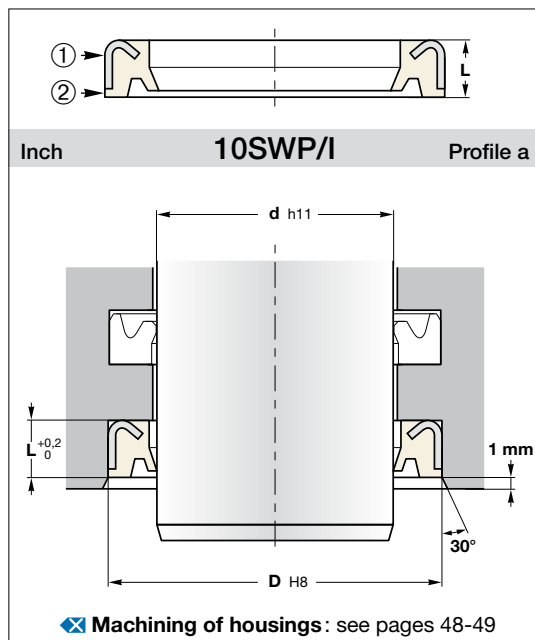
d	D	L	Reference
85	99	8	10SWP 8599
	100	10	10SWP 85100
	100	4	10SWP 85100/1
90	100	8	10SWP 85100/2
	100	6	10SWP 85100/3
	105	10	10SWP 85105
95	100	7	10SWP 90100
	104	8	10SWP 90104
	105	6	10SWP 90105
	105	5	10SWP 90105/1
	105	8	10SWP 90105/2
99	110	10	10SWP 90110
	109	8	10SWP 95109
	110	8	10SWP 95110
100	110	6	10SWP 95110/1
	115	10	10SWP 95115
	115	6	10SWP 100115/1
105	115	4	10SWP 100115/2
	115	5	10SWP 100115/3
	120	10	10SWP 100120
110	120	7	10SWP 100120/1
	120	10	10SWP 100120/2
120	120	7	10SWP 105120
	120	8	10SWP 105120/1
	121	9	10SWP 105121

d	D	L	Reference
110	125	9	10SWP 110125
	125	4	10SWP 110125/1
	126	9	10SWP 110126
115	130	10	10SWP 110130
	130	8	10SWP 115130
120	131	9	10SWP 115131
	130	7	10SWP 120130
125	135	8	10SWP 120135
	135	7	10SWP 120135/1
	136	9	10SWP 120136
130	140	10	10SWP 120140
	140	8	10SWP 120140/1
	150	12	10SWP 120150
140	140	8	10SWP 125140
	141	9	10SWP 125141
	145	10	10SWP 125145
150	145	7,5	10SWP 130145
	146	9	10SWP 130146
	150	10	10SWP 130150
160	155	8	10SWP 140155
	160	10	10SWP 140160
	170	8	10SWP 140170
170	170	10	10SWP 150170
	165	8	10SWP 160175
180	180	5	10SWP 160180
	190	9	10SWP 160190
190	190	8	10SWP 170190
	210	15	10SWP 180200
200	210	10	10SWP 190210
	220	10	10SWP 200220
220	240	16	10SWP 220240



10SWP/I

PU wiper with metal cage for open groove Inch dimensions



10SWP/I is a single-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the guiding parts and thereby to extend the service life of the rod seal. The wiper lip produces an effective cleaning action to avoid damage to all internal components.

10SWP/I wiper are well suited for applications in mobile hydraulic systems for heavy duty operation.

Also produced in small dimensions (Profile b), they can be used as protection of bearings or other systems with swivel movements where reduced space is required.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions ⊗ see page 8

Temperature -30°C to 100°C
 Speed ≤ 0,5 m/s
 Fluids ⊗ see pages 22-45

Materials ⊗ see pages 10-19

Metal cage ① Galvanised steel
 Wiper ② PU14

Assembly ⊗ see pages 54-59

Must be pressed in an open housing

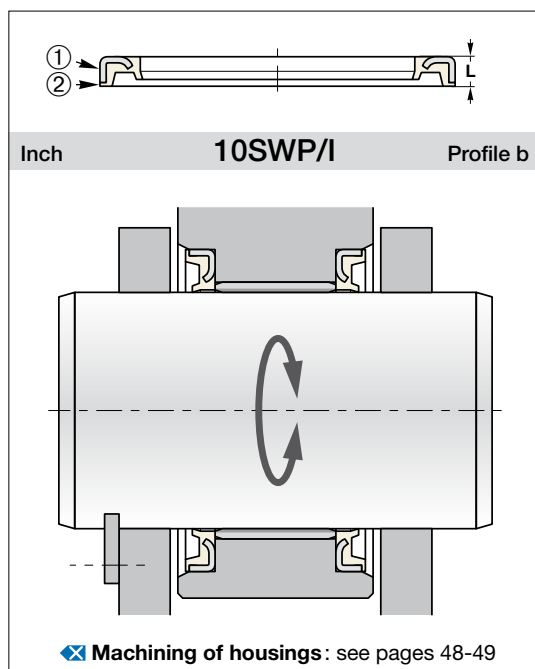
Advantages

- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- For earth moving machines and difficult working conditions
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

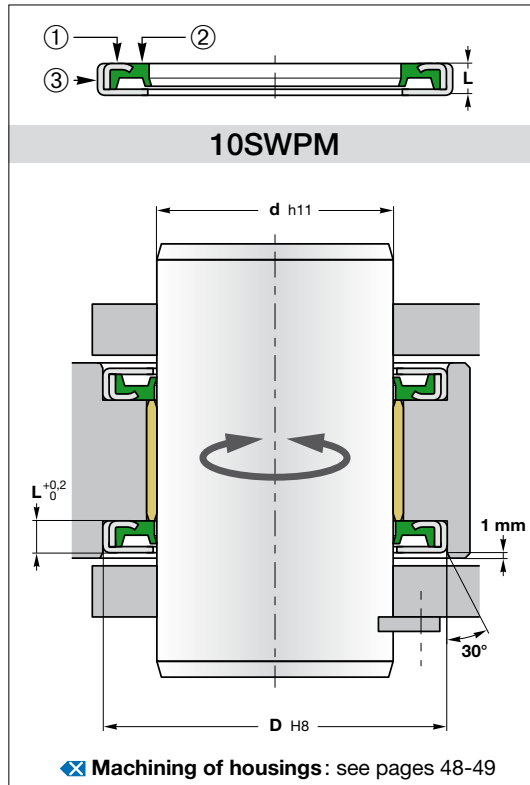
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.



d	D	L	Reference
15,88	28,57	7,92	10SWP/I 062112
19,05	25,4	3,18	10SWP/I 075100
	31,75	6,35	10SWP/I 075125
22,22	28,57	4	10SWP/I 087112
	34,92	7,92	10SWP/I 087137
25,4	38,1	7,92	10SWP/I 100150
28,57	38,1	4,76	10SWP/I 112150
	41,27	7,92	10SWP/I 112162
31,75	41,27	4,76	10SWP/I 125162
	44,45	6,35	10SWP/I 125175
34,92	47,62	7,92	10SWP/I 137187
38,1	47,62	6,35	10SWP/I 150187
	47,62	4,76	10SWP/I 150187/1
	50,8	6,35	10SWP/I 150200
57,15	9,5	10SWP/I 150225	
	53,97	6,35	10SWP/I 162212
44,45	53,97	4,76	10SWP/I 175212
	53,97	3,18	10SWP/I 175212/1
	57,15	6,35	10SWP/I 175225
63,5	9,5	10SWP/I 175250	
	60,33	7,92	10SWP/I 187237
50,8	60,33	4,76	10SWP/I 200237
	63,5	7,92	10SWP/I 200250
	63,5	6,35	10SWP/I 200250/1
66,67	6,35	10SWP/I 200262	
	68,26	9,5	10SWP/I 200268
	69,85	9,5	10SWP/I 200275
69,85	6,35	10SWP/I 200275/1	
	63,5	4,76	10SWP/I 212250 NBR
66,67	7,92	10SWP/I 212262	
	57,15	69,85	6,35
73,02		6,35	10SWP/I 225287
76,2		7,92	10SWP/I 225300
76,2	9,5	10SWP/I 225300/1	
	60,33	73,02	6,35

d	D	L	Reference
63,5	76,2	7,92	10SWP/I 250300
	76,2	6,35	10SWP/I 250300/1
	82,55	9,5	10SWP/I 250325
82,55	6,35	10SWP/I 250325/1	
	79,37	7,37	10SWP/I 262312
69,85	82,55	7,92	10SWP/I 275325
88,9	88,9	6,35	10SWP/I 275350
	95,25	12,7	10SWP/I 275375
73,03	88,9	6,35	10SWP/I 287350
76,2	88,9	7,92	10SWP/I 300350
	95,25	6,35	10SWP/I 300375
	101,6	12,7	10SWP/I 300400
79,37	92,07	5,85	10SWP/I 312362
82,55	95,25	9,5	10SWP/I 325375
	95,25	7,92	10SWP/I 325375/1
	101,6	6,35	10SWP/I 325400
107,95	12,7	10SWP/I 325425	
88,9	101,6	7,92	10SWP/I 350400
	104,77	6,35	10SWP/I 350412
	104,77	7,92	10SWP/I 350412/1
107,95	6,35	10SWP/I 350425	
	107,95	7,92	10SWP/I 350425/1
	114,3	12,7	10SWP/I 350450
95,25	114,3	7,92	10SWP/I 375450/1
	120,65	12,7	10SWP/I 375475
	101,6	114,3	6,35
120,65		7,92	10SWP/I 400475
127		12,7	10SWP/I 400500
107,95	133,35	12,7	10SWP/I 425525
114,3	127	6,35	10SWP/I 450500
	139,7	12,7	10SWP/I 450550
120,65	146,05	9,5	10SWP/I 475575
127	142,88	7,92	10SWP/I 500562
	146,05	7,92	10SWP/I 500575
139,7	158,75	7,92	10SWP/I 550625
152,4	168,28	9,5	10SWP/I 600662



10SWPM is a single-acting PU pin dust seal with two external metal cages for open groove assembly. The metal cages have to be pressed into the groove.

The function of this wiper is to prevent introduction of dust, dirt and foreign matter into the system, to protect the bushing and the pin. To extend the service life of the pin dust seal, there is a **second metal cage** which protect efficiently the PU lip. The PU lip produces an effective cleaning action to avoid damage to all internal components.

10SWPM are well suited for applications in mobile hydraulic systems for heavy duty operation.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

Operating conditions  **see page 8**

- Temperature -30°C to 100°C
- Speed ≤ 0,5 m/s
- Fluids  **see pages 22-45**

Materials  **see pages 10-19**

- Metal cage ① Carbon steel
- Wiper ② PU14
- Metal cage ③ Carbon steel

Assembly  **see pages 54-59**

Must be pressed in an open housing

Advantages

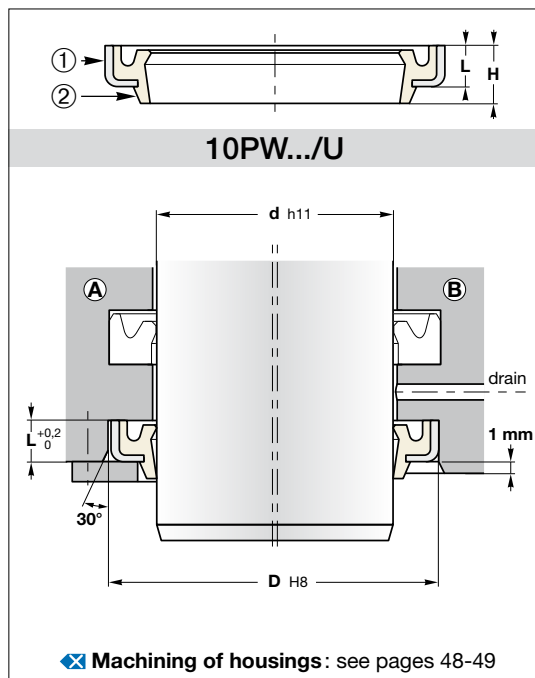
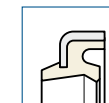
- External press-fitting for a good housing protection
- Space-saving construction
- Good price-performance ratio
- Small housing
- Simple groove construction
- Excellent abrasion resistance
- Extended service life
- For earth moving machines and difficult working conditions
- Easy installation especially with small diameters

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	Reference
25	35	4	10SWPM 2535
30	40	4	10SWPM 3040
35	45	4	10SWPM 3545
40	50	4	10SWPM 4050
45	55	4	10SWPM 4555
50	60	4	10SWPM 5060
55	65	4	10SWPM 5565/1
	68	4	10SWPM 5568
60	75	4	10SWPM 6075/1
65	80	4	10SWPM 6580
70	80	4	10SWPM 7080/2
	85	4	10SWPM 7085/1
75	90	4	10SWPM 7590
80	95	4	10SWPM 8095
85	100	4	10SWPM 85100/1
90	105	4	10SWPM 90105
95	110	4	10SWPM 95110
100	115	4	10SWPM100115/2
110	125	4	10SWPM110125
120	135	4	10SWPM120135
125	140	4	10SWPM125140
140	155	4	10SWPM140155



10PW.../U is a double-acting PU wiper with an external metal cage for open groove assembly. The metal cage has to be pressed into the groove.

10PW.../U wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

To ensure the safety of the system in case of possible back-pressure behind the wiper, we advice to prevent the push-out of the wiper with a ring (assembly A).

For assembly B (see picture) a drainage channel must be opened in this area.

Operating conditions		✕ see page 8
Temperature		-30°C to 100°C
Speed		≤ 0,5 m/s
Fluids		✕ see pages 22-45

Materials		✕ see pages 10-19
Metal cage ①		Galvanised steel
Wiper ②		PU15

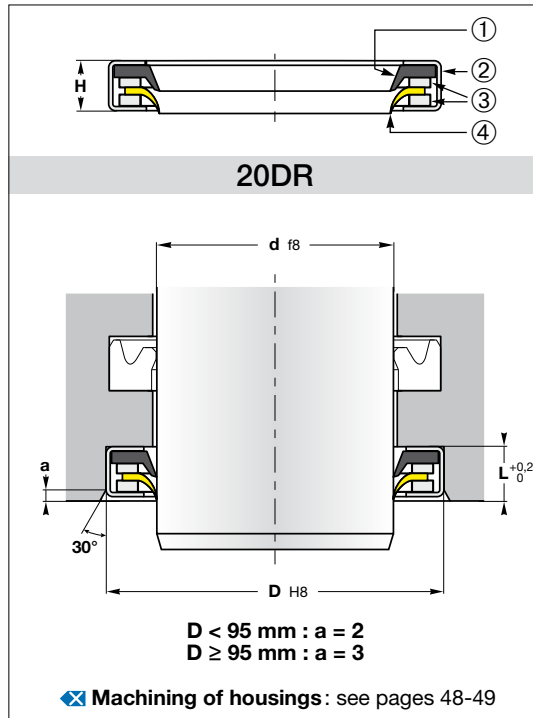
Assembly		✕ see pages 54-59
Must be pressed in an open housing		

Advantages	
External press-fitting for a good housing protection	
Space-saving construction	
Reduced oil film leakage	
Good price-performance ratio	
Excellent abrasion resistance	
Extended service life	
Easy installation especially with small diameters	

Please contact us for applications approaching maximum values.

More information
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	Reference
20	32	6	9	10PW 20/U
22	34	6	9	10PW 22/U
25	37	6	9	10PW 25/U
30	42	6	9	10PW 30/U
32	44	7	10	10PW 32/U
32	52	8	11	10PW 32/1/U
35	47	7	10	10PW 35/U
40	52	7	10	10PW 40/U
45	57	7	10	10PW 45/U
50	60	7	10	10PW 50/1/U
50	62	7	10	10PW 50/U
55	69	8	11	10PW 55/U
60	74	8	11	10PW 60/U
63	77	8	11	10PW 63/U NBR
65	79	8	11	10PW 65/U
70	84	8	11	10PW 70/U
75	89	8	11	10PW 75/U
80	94	8	11	10PW 80/U
85	99	8	11	10PW 85/U
90	104	8	11	10PW 90/U
95	109	8	11	10PW 95/U
100	114	8	11	10PW 100/U
105	121	9	12	10PW 105/U
110	126	9	12	10PW 110/U
115	131	9	12	10PW 115/U
120	136	9	12	10PW 120/U
125	141	9	12	10PW 125/U
130	146	9	12	10PW 130/U
135	155	10	14	10PW 135/U
140	160	10	14	10PW 140/U
145	165	10	14	10PW 145/U
155	175	10	14	10PW 155/U
160	180	10	14	10PW 160/U
165	185	10	14	10PW 165/U
170	190	10	14	10PW 170/U
175	195	10	14	10PW 175/U
180	200	10	14	10PW 180/1/U
180	205	12	17	10PW 180/U



20DR consists of a steel housing, a thin brass lip and an NBR wiper ring.

This metal wiper scraper is used in applications where usual wipers wear too quickly or are not efficient enough. The brass lip is designed to remove firmly adhering contaminants or ice particles from the rod, leaving the secondary NBR wiper lip to remove smaller loose particles of dust, water...

The brass scraper ring has radial clearance in the housing and can easily **follow any deflection** of the rod.

Operating conditions see page 8

Temperature	-30°C to 110°C
Speed	≤ 1 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Elastomer lip ①	NBR
Metal housing ②	ST
Distance pieces ③	ST
Metallic lip ④	MS

Assembly see pages 54-59

Must be pressed into an open housing

Advantages

- Very good scraping effect under extreme conditions
- Suitable for ice, mud and other adhering particles
- The floating metallic lip follows any possible deflection of the piston rod
- External press-fitting for a good housing protection
- Very abrasion resistant

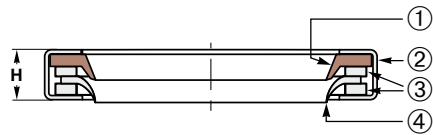
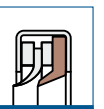
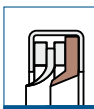
Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	Reference
12	25	7	6,5	20DR 12
14	27	7	6,5	20DR 14
15	28	7	6,5	20DR 15
16	29	7	6,5	20DR 16
18	31	7	6,5	20DR 18
20	33	7	6,5	20DR 20
22	35	7	6,5	20DR 22
25	38	7	6,5	20DR 25
28	41	7	6,5	20DR 28
30	43	7,5	7	20DR 30
30	42	7,9	7,4	20DR 30/1
32	45	7,5	7	20DR 32
35	48	7,5	7	20DR 35
36	49	7,5	7	20DR 36
38	51	7,5	7	20DR 38
40	53	7,5	7	20DR 40
40	52	7,9	7,4	20DR 40/1
45	58	7,5	7	20DR 45
50	64	8	7,5	20DR 50
50	65	7,9	7,4	20DR 50/1
55	69	8	7,5	20DR 55
56	70	8	7,5	20DR 56
56	69	7,9	7,4	20DR 56/1
58	72	8	7,5	20DR 58

d	D	L	H	Reference
60	74	8	7,5	20DR 60
63	77	8	7,5	20DR 63
65	79	8	7,5	20DR 65
70	84	8	7,5	20DR 70
75	89	8	7,5	20DR 75
80	96	8,5	8	20DR 80
85	101	8,5	8	20DR 85
90	106	8,5	8	20DR 90
95	111	8,5	8	20DR 95
100	120	9	8,5	20DR 100
110	130	9	8,5	20DR 110
120	140	9	8,5	20DR 120
125	145	9	8,5	20DR 125
130	150	9	8,5	20DR 130
139,7	155,62	9,1	8,5	20DR 139
140	160	9	8,5	20DR 140
150	170	9	8,5	20DR 150
160	180	9	8,5	20DR 160
170	190	9	8,5	20DR 170
180	200	12	10	20DR 180
200	230	12	10	20DR 200
220	250	12	10	20DR 220
250	280	12	10	20DR 250
300	330	12	10	20DR 300

**20DR...-SS/FPM/SS**

Example of item code

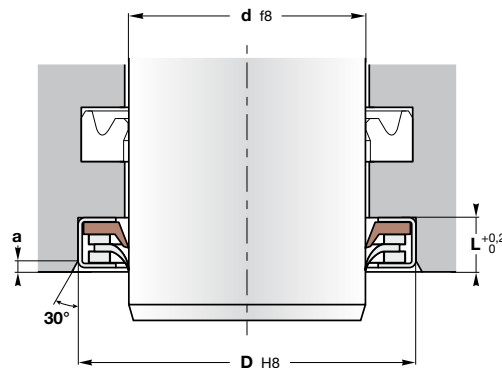
20DR 50 - SS / FPM / SS

Sealtech code Material Material Material

Diameter ④ ① ②/③

d mm

②/③/④ materials: MS=brass, SS=stainless steel, ST=steel



D < 95 mm : a = 2
D ≥ 95 mm : a = 3

✦ **Machining of housings** : see pages 48-49

20DR...-SS/FPM/SS consists of a metal housing in stainless steel, a stainless steel scraper lip and a Viton wiper ring.

This metal wiper scraper is used in applications where usual wipers wear too quickly or are not efficient enough. The stainless steel lip is designed **to remove firmly adhering contaminants** and particles from the rod, leaving the secondary Viton wiper lip to remove smaller loose particles of dust, etc.

The metal scraper ring in stainless steel has radial clearance in the housing and can easily follow any deflection of the rod. Produced in stainless steel, this wiper can be used in more corrosive environments. With a secondary lip in fluorocarbon elastomer, this wiper is also suited for processes at **higher temperatures**, or in applications in contact with more aggressive media and chemicals.

Operating conditions ✦ see page 8

Temperature -20°C to 180°C
Speed ≤ 1 m/s
Fluids ✦ see pages 22-45

Materials ✦ see pages 10-19

Elastomer lip ① FPM (NBR on demand)
Metal housing ② SS (ST on demand)
Distance pieces ③ SS (ST on demand)
Metallic lip ④ SS (MS on demand)

Assembly ✦ see pages 54-59

Must be pressed into an open housing

Advantages

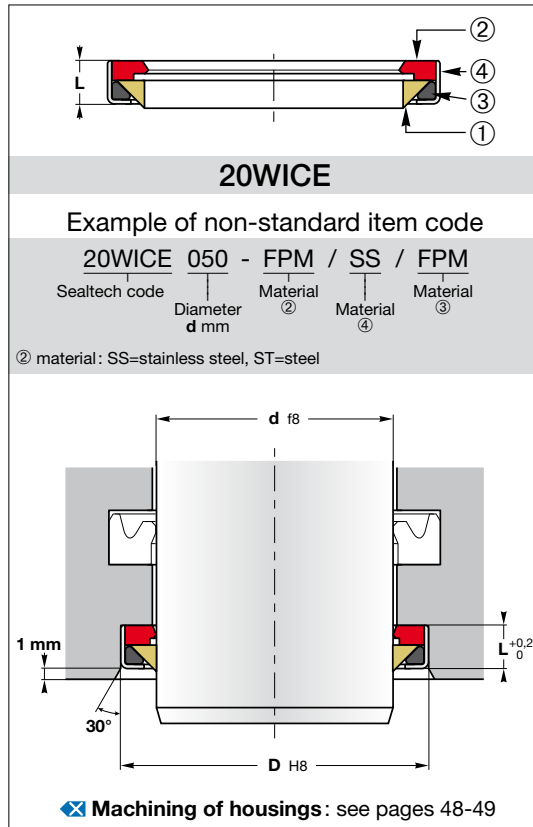
Very good scraping effect under extreme conditions
Suitable for ice, mud and other adhering particles
The floating metallic lip follows any possible deflections of the piston rod
External press-fitting for a good housing protection
Very abrasion resistant
Up to 180°C
Resistant to aggressive fuels and chemicals
Stainless steel for better corrosion resistance

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	H	Reference
14	27	7	6,5	20 DR 14-SS/FPM/SS
18	31	7	6,5	20 DR 18-SS/FPM/SS
20	33	7	6,5	20 DR 20-SS/FPM/SS
22	35	7	6,5	20 DR 22-SS/FPM/SS
25	38	7	6,5	20 DR 25-SS/FPM/SS
28	41	7	6,5	20 DR 28-SS/FPM/SS
30	43	7,5	7	20 DR 30-SS/FPM/SS
32	45	7,5	7	20 DR 32-SS/FPM/SS
35	48	7,5	7	20 DR 35-SS/FPM/SS
36	49	7,5	7	20 DR 36-SS/FPM/SS
40	53	7,5	7	20 DR 40-SS/FPM/SS
45	57,15	7,9		20 DR 45/1-SS/FPM/SS
45	58	7,5	7	20 DR 45-SS/FPM/SS
50	64	8	7,5	20 DR 50-SS/FPM/SS
55	69	8	7,5	20 DR 55-SS/FPM/SS
56	70	8	7,5	20 DR 56-SS/FPM/SS
60	74	8	7,5	20 DR 60-SS/FPM/SS
63	77	8	7,5	20 DR 63-SS/FPM/SS
65	79	8	7,5	20 DR 65-SS/FPM/SS
70	84	8	7,5	20 DR 70-SS/FPM/SS
80	96	8,5	8	20 DR 80-SS/FPM/SS
90	106	8,5	8	20 DR 90-SS/FPM/SS
100	120	9	8,5	20 DR 100-SS/FPM/SS
110	130	9	8,5	20 DR 110-SS/FPM/SS
125	145	9	8,5	20 DR 125-SS/FPM/SS
140	160	9	8,5	20 DR 140-SS/FPM/SS
160	180	9	8,5	20 DR 160-SS/FPM/SS



20WICE consists of a steel housing with a robust bronze lip and a PU wiper ring.

This wiper is used in application where standard wipers wear too quickly.

The bronze lip is designed to remove the **firmly adhering contaminants** and ice particles from the rod, leaving the secondary PU wiper to remove smaller loose particles of dust, high fat media... The metal scraper has radial clearance in the housing and can easily follow any deflections of the rod.

Operating conditions  **see page 8**

Temperature	
standard	-30°C to 100°C
FPM ② and FPM ③	-10°C to 180°C
PU22 ② and TNBR ③	-50°C to 100°C

Speed $\leq 0,5$ m/s

Fluids  **see pages 22-45**

Materials  **see pages 10-19**

Metallic lip ①	standard	BZ (bronze)
Static seal ③	standard	NBR
	on demand	FPM, TNBR
PU or Elastomer lip ②	standard	PU21
	on demand	FPM, PU22
Metal housing ④	standard	ST
	on demand	SS

Assembly  **see pages 54-59**

Must be pressed into an open housing

Advantages

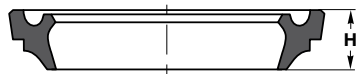
- Very good scraping effect under extreme conditions
- Suitable for ice, mud and other adhering particles
- The floating metallic lip can follow any possible deflection of the piston rod
- Very robust and abrasion resistant
- Small housing
- Up to 180°C (with the FPM materials)
- Down to -50°C (with the PU22 and TNBR materials)
- Resistant to aggressive fuels and chemicals

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	Reference
18	28	7	20WICE 018
20	30	7	20WICE 020
22	32	7	20WICE 022
25	35	7	20WICE 025
28	38	7	20WICE 028
30	40	7	20WICE 030
32	42	7	20WICE 032
35	45	7	20WICE 035
36	45	7	20WICE 036
40	50	7	20WICE 040
45	55	7	20WICE 045
50	60	7	20WICE 050
55	65	7	20WICE 055
56	66	7	20WICE 056
60	70	7	20WICE 060
63	75	7	20WICE 063
65	75	7	20WICE 065
70	80	7	20WICE 070
75	85	7	20WICE 075
80	90	7	20WICE 080
85	95	7	20WICE 085
90	100	7	20WICE 090
100	110	7	20WICE 100
110	120	7	20WICE 110
125	140	9	20WICE 125
140	155	9	20WICE 140
160	175	9	20WICE 160
180	195	9	20WICE 180
200	215	9	20WICE 200

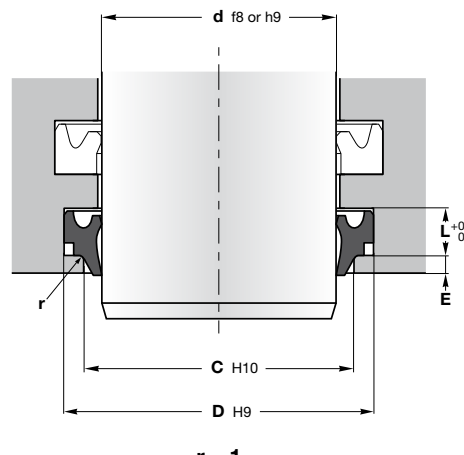



17WD17

Example of item code

17 WD17 0 0500 - N9...

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material



Machining of housings: see pages 48-49

17WD17 wiper in nitrile elastomer 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 from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

In order to avoid any possible problem due to hydrodynamic pressure between the rod seal and the wiper, **17WD17** is preferably used in conjunction with rod seals with a hydrodynamic **back-pumping function**, or otherwise, a drainage channel must be opened in this area.

Operating conditions see page 8

Temperature -30°C to 110°C
 Speed ≤ 1 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may be easily assembled into the grooved housing

Advantages

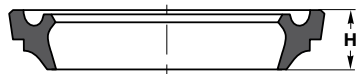
- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E _{min.}	H	Reference
12	20	6	15,5	2	8	17WD1700120-N9651
16	24	6	19,5	2	8	17WD1700160-N9651
18	26	6	21,5	2	8	17WD1700180-N9651
20	28	6	23,5	2	8	17WD1700200-N9651
22	30	6	25,5	2	8	17WD1700220-N9651
25	33	6	28,5	2	8	17WD1700250-N9651
28	36	6	31,5	2	8	17WD1700280-N9651
30	38	6	33,5	2	8	17WD1700300-N9651
32	40	6	35,5	2	8	17WD1700320-N9651
35	43	6	38,5	2	8	17WD1700350-N9651
36	44	6	39,5	2	8	17WD1700360-N9651
40	48	6	43,5	2	8	17WD1700400-N9651
42	50	6	45,5	2	8	17WD1700420-N9651
45	53	6	48,5	2	8	17WD1700450-N9651
50	58	6	53,5	2	8	17WD1700500-N9651
52	60	6	55,5	2	8	17WD1700520-N9651
55	63	6	58,5	2	8	17WD1700550-N9651
56	64	6	59,5	2	8	17WD1700560-N9651
60	68	6	63,5	2	8	17WD1700600-N9651
63	71	6	66,5	2	8	17WD1700630-N9651
65	73	6	68,5	2	8	17WD1700650-N9651
70	78	6	73,5	2	8	17WD1700700-N9651
75	83	6	78,5	2	8	17WD1700750-N9651
80	88	6	83,5	2	8	17WD1700800-N9651
85	93	6	88,5	2	8	17WD1700850-N9651
90	98	6	93,5	2	8	17WD1700900-N9651
100	108	6	103,5	2	8	17WD1701000-N9651
105	117	8,2	110	3	11	17WD1701050-N9651
110	122	8,2	115	3	11	17WD1701100-N9651
115	127	8,2	120	3	11	17WD1701150-N9651
120	132	8,2	125	3	11	17WD1701200-N9651
125	137	8,2	130	3	11	17WD1701250-N9651
130	142	8,2	135	3	11	17WD1701300-N9651
135	147	8,2	140	3	11	17WD1701350-N9651
140	152	8,2	145	3	11	17WD1701400-N9651
145	157	8,2	150	3	11	17WD1701450-N9651
150	162	8,2	155	3	11	17WD1701500-N9651
155	167	8,2	160	3	11	17WD1701550-N968T
160	172	8,2	165	3	11	17WD1701600-N9651
170	182	8,2	175	3	11	17WD1701700-N9651
180	192	8,2	185	3	11	17WD1701800-N9651
190	202	8,2	195	3	11	17WD1701900-N9651
200	212	8,2	205	3	11	17WD1702000-N9651
210	225	9,5	217	3	13	17WD1702100-N9651
220	235	9,5	227	3	13	17WD1702200-N9651

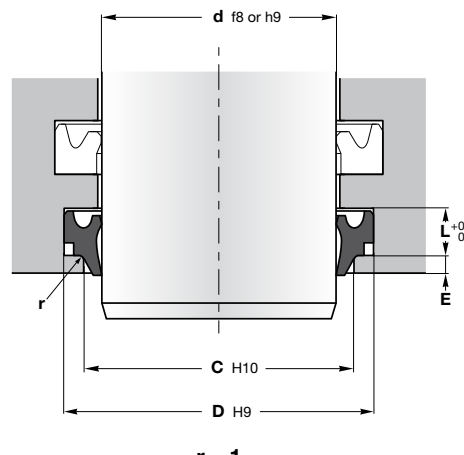



17WD17

Example of item code

17 WD17 0 0500 - N9...

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material



Machining of housings: see pages 48-49

17WD17 wiper in nitrile elastomer 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 from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

In order to avoid any possible problem due to hydrodynamic pressure between the rod seal and the wiper, **17WD17** is preferably used in conjunction with rod seals with a hydrodynamic **back-pumping function**, or otherwise, a drainage channel must be opened in this area.

Operating conditions see page 8

Temperature -30°C to 110°C
 Speed ≤ 1 m/s
 Fluids see pages 22-45

Materials see pages 10-19

Elastomer NBR 90 Sh A

Assembly see pages 54-59

The wipers may be easily assembled into the grooved housing

Advantages

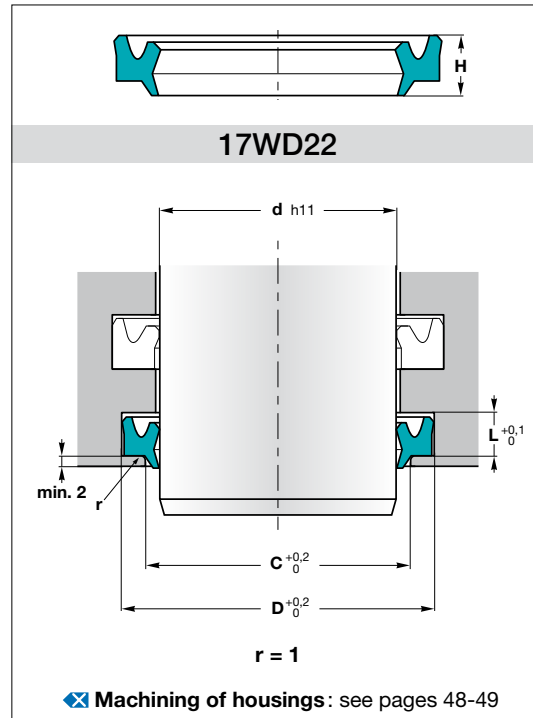
- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	E _{min.}	H	Reference
230	245	9,5	237	3	13	17WD1702300-N9651
240	255	9,5	247	3	13	17WD1702400-N9651
250	265	9,5	257	3	13	17WD1702500-N9651
260	275	9,5	267	3	13	17WD1702600-N9651
280	295	9,5	287	3	13	17WD1702800-N9651
290	305	9,5	297	3	13	17WD1702900-N968T
300	315	9,5	307	3	13	17WD1703000-N9651
310	325	9,5	317	3	13	17WD1703100-N968T
320	335	9,5	327	3	13	17WD1703200-N9651
340	355	9,5	347	3	13	17WD1703400-N9651
350	365	9,5	357	3	13	17WD1703500-N968T
360	375	9,5	367	3	13	17WD1703600-N9651
380	395	9,5	387	3	13	17WD1703800-N9651
400	415	9,5	407	3	13	17WD1704000-N9651
500	515	9,5	507	3	13	17WD1705000-N968T



17WD22 double acting wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic sealing lip is shorter and stronger to concentrate load against the dynamic surface and is designed in a way that it assumes a relieving function even under low pressure (2 MPa). A relief bore must be provided with higher pressures.

This wiper is produced in polyurethane which ensures increased **wear resistance** and an extended service life due to good resistance against weathering.

In order to avoid any possible problem due to hydrodynamic pressure between the rod seal and the wiper, **17WD22** is preferably used in conjunction with rod seals with a hydrodynamic **back-pumping function**.

Operating conditions	✕ see page 8
Temperature	-30°C to 100°C
Speed	≤ 0,8 m/s
Fluids	✕ see pages 22-45

Materials	✕ see pages 10-19
Polyurethane	Zurcon® Z201

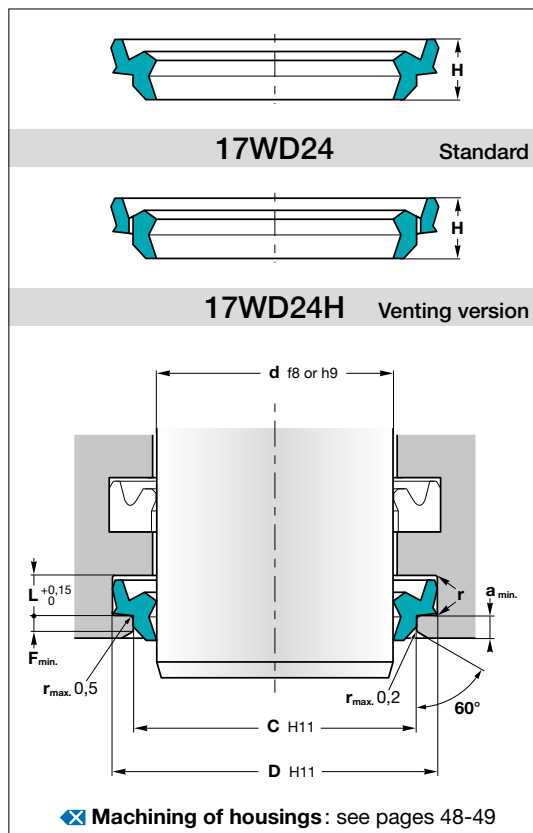
Assembly	✕ see pages 54-59
The wipers may easily be mounted into the grooved housing	

Advantages
Reduced oil film leakage
Easy to assemble
Small housing
Simple groove construction
Extended service life
Excellent abrasion resistance

Please contact us for applications approaching maximum values.

More information
 On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	H	Reference
6	11	3,5	8,5	4,5	17WD220060-Z201
8	13	3,5	10,5	4,5	17WD220080-Z201
10	16	4	12,5	5	17WD220100-Z201
14	20	4	16,5	5	17WD220140-Z201
18	24	4	20,5	5	17WD220180-Z201
20	26	4	22,5	5	17WD220200-Z201
22	28	4	24,5	5	17WD220220-Z201
28	36	5	31	6	17WD220280-Z201
32	40	5	35	6	17WD220320-Z201
36	44	5	39	6	17WD220360-Z201
40	48	5	43	6	17WD220400-Z201
45	53	5	48	6	17WD220450-Z201
50	58	5	53	6	17WD220500-Z201
55	65	6	58	7,5	17WD220550-Z201
56	66	6	59	7,5	17WD220560-Z201
60	70	6	63	7,5	17WD220600-Z201
63	73	6	66	7,5	17WD220630-Z201
65	75	6	68	7,5	17WD220650-Z201
70	80	6	73	7,5	17WD220700-Z201
80	90	6	83	7,5	17WD220800-Z201
100	110	6	103	7,5	17WD2201000-Z201
125	140	8,5	129	10,5	17WD2201250-Z201
140	155	8,5	144	10,5	17WD2201400-Z201
160	175	8,5	164	10,5	17WD2201600-Z201
180	195	8,5	184	10,5	17WD2201800-Z201



17WD24 is a double acting thermoplastic polyurethane scraper for severe operating conditions and heavy attack of dirt.

The inward-facing sealing lip is designed to provide a very good sealing effect against the residual oil film.

The outer scraper lip leans against the housing and prevents the introduction of dirt and water around the outside.

The scraper effect remains stable even in case of high level of external contamination or rod eccentricity under side load.

17WD24H has an axial venting hole which allows oil to be released in case of pressure build-up behind the scraper, avoiding system failure.

In order to avoid any possible hydrodynamic pressure problems between the rod seal and the **17WD24**, it is preferably to use a rod seal with a hydrodynamic **back-pumping function**.

Operating conditions ⊗ see page 8

Pressure	
17WD24	≤ 5 MPa
17WD24H	≤ 2 MPa
Temperature	-30°C to 100°C
Speed	≤ 0,5 m/s
Fluids	⊗ see pages 22-45

Materials ⊗ see pages 10-19

Polyurethane	Zurcon® Z201
--------------	--------------

Assembly ⊗ see pages 54-59

The wipers may easily be mounted into the grooved housing

Advantages

- Very good scraper effect for heavy duty environments
- Very good sealing and wiping effect of the residual oil film
- Reduced friction with less heat generated and extended service life
- Good stability in the groove
- Easy to assemble
- Excellent abrasion resistance





Please contact us for applications approaching maximum values.

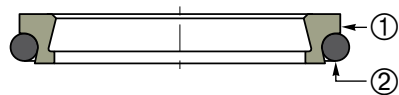
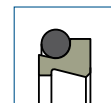
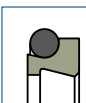
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the material.

d	D	L	C	r	f _{min.}	a _{min.}	H	Reference
40	48,8	6,3	44,4	1,2	2	3,2	10	17WD2410400-Z201
45	53,8	6,3	49,4	1,2	2	3,2	10	17WD2410450-Z201
50	58,8	6,3	54,4	1,2	2	3,2	10	17WD24H0500-Z201
55	63,8	6,3	59,4	1,2	2	3,2	10	17WD24H0550-Z201
60	68,8	6,3	64,4	1,2	2	3,2	10	17WD24H0600-Z201
70	82,2	8,1	76	1,6	2,5	4	11,7	17WD24H0700-Z201
75	87,2	8,1	81	1,6	2,5	4	11,7	17WD24H0750-Z201
80	92,2	8,1	86	1,6	2,5	4	11,7	17WD24H0800-Z201
85	97,2	8,1	91	1,6	2,5	4	11,7	17WD2410850-Z201
90	102,2	8,1	96	1,6	2,5	4	11,7	17WD24H0900-Z201
95	107,2	8,1	101	1,6	2,5	4	11,7	17WD24H0950-Z201
100	112,2	8,1	106	1,6	2,5	4	11,7	17WD24H1000-Z201
105	117,2	8,1	111	1,6	2,5	4	11,7	17WD24H1050-Z201
110	122,2	8,1	116	1,6	2,5	4	11,7	17WD24H1100-Z201
125	137,2	8,1	131	1,6	2,5	4	11,7	17WD24H1250-Z201
140	156	9,5	148	2	3	5	14	17WD2411400-Z201
150	166	9,5	158	2	3	5	14	17WD2401500-Z201
160	176	9,5	168	2	3	5	14	17WD2411600-Z201
170	186	9,5	178	2	3	5	14	17WD2401700-Z201
180	196	9,5	188	2	3	5	14	17WD2401800-Z201
200	216	9,5	208	2	3	5	14	17WD2402000-Z201
220	236	9,5	228	2	3	5	14	17WD2402200-Z201
250	266	9,5	258	2	3	5	14	17WD2402500-Z201
280	296	9,5	288	2	3	5	14	17WD2402800-Z201

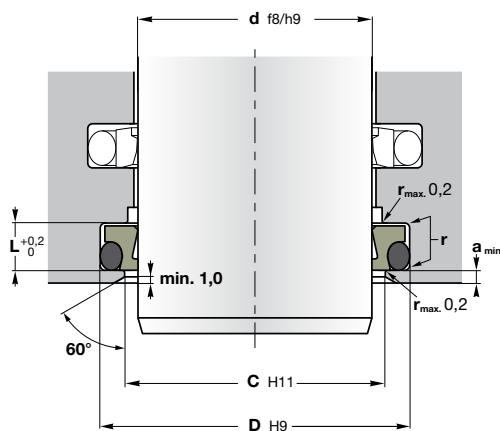
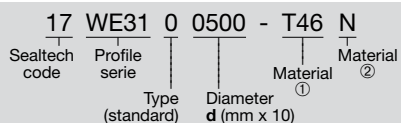
Explanation of the Venting version.

- 
- 1 Oil is coming between the seal and **17WD24H** double-acting wiper.
- 
- 2 Pressure build-up in the groove. Outside diameter of wiper lip is sealing.
- 
- 3 At a certain pressure level, oil flows a short time between the scraping lip and the housing
- 
- 4 The oil is released and the pressure is relieved.



17WE3...-T/M...N

Example of item code



Machining of housings: see pages 48-49

17WE3...-T/M...N Turcon® Excluder® 2 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.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic back-pumping function or a drainage channel must be opened in this area.

Operating conditions see page 8

Temperature -30°C to 100°C
Speed ≤ 15 m/s
Fluids see pages 22-45

Materials see pages 54-59

Dynamic sealing element ① Turcon® T46
Turcon® M12
Energising element ② NBR 70 Sh A: code N

Assembly see pages 54-59

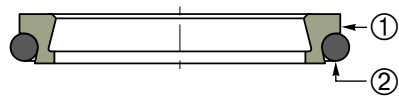
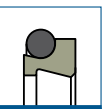
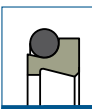
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
Low running friction
No stick-slip and extended service life
Can compensate rod deflections
Very good scraping effect against impurities and also from the inside against the residual oil film
Suitable for heavy duty applications
High chemical compatibility with the right O-ring
Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

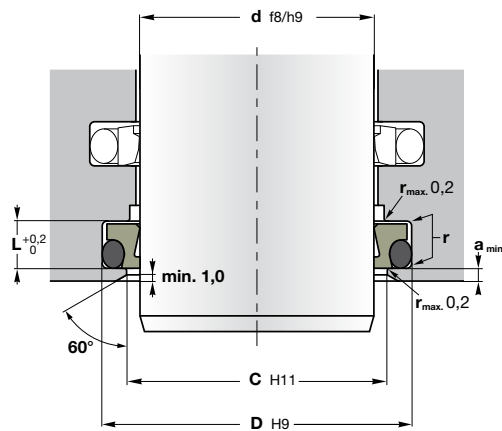
Table with 7 columns: Serie, D (mm) Standard range, D (mm) Extended range, L (mm), D (mm), C (mm), a min. (mm), O-ring C/S

Large table with 11 columns: d, D, L, C, r, a min., O-ring NBR 70 Sh A, ISO 6195/D, ISO 3320, Reference

**17WE3...-T/M...N**

Example of item code

17	WE31	0	0500	-	T46	N
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)	Material ①	Material ②	



✕ **Machining of housings:** see pages 48-49

17WE3...-T/M...N Turcon® Excluder® 2 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.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-30°C to 100°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Turcon® T46
	Turcon® M12
Energising element ②	NBR 70 Sh A: code N

Assembly ✕ see pages 54-59

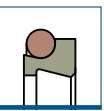
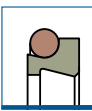
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE30	6 → 11,9	6 → 130,9	3,7	d + 4,8	d + 1,5	2	1,78
WE31	12 → 64,9	10 → 245,9	5	d + 6,8	d + 1,5	2	2,62
WE32	65 → 250,9	25 → 400,9	6	d + 8,8	d + 1,5	3	3,53
WE33	251 → 420,9	40 → 655,9	8,4	d + 12,2	d + 2	4	5,34
WE34	421 → 650,9	110 → 655,9	11	d + 16	d + 2	4	7
WE35	651 → 999,9	140 → 999,9	14	d + 20	d + 2,5	5	8,4
WE35X	> 1000		14	d + 20	d + 2,5	5	8,4

d	D	L	C	r	a _{min.}	O-ring NBR 70 Sh A	ISO 6195/D	ISO 3320	Reference
205	213,8	6	206,5	1	3	209,14 x 3,53			17WE3202050-T46N
210	218,8	6	211,5	1	3	215,49 x 3,53			17WE3202100-M12N
210	218,8	6	211,5	1	3	215,49 x 3,53			17WE3202100-T46N
220	228,8	6	221,5	1	3	221,84 x 3,53		•	17WE3202200-T46N
230	238,8	6	231,5	1	3	228,19 x 3,53			17WE3202300-T46N
240	248,8	6	241,5	1	3	240,89 x 3,53			17WE3202400-T46N
250	258,8	6	251,5	1	3	253,59 x 3,53		•	17WE3202500-M12N
250	258,8	6	251,5	1	3	253,59 x 3,53		•	17WE3202500-T46N
260	272,2	8,4	262	1,5	4	253,37 x 5,33			17WE3302600-T46N
275	287,2	8,4	277	1,5	4	278,77 x 5,33			17WE3302750-T46N
280	292,2	8,4	282	1,5	4	291,47 x 5,33			17WE3302800-T46N
300	312,2	8,4	302	1,5	4	304,17 x 5,33			17WE3303000-T46N
400	412,2	8,4	402	1,5	4	405,26 x 5,33			17WE3304000-T46N



17WE3...-T/M...V

Example of item code

17 WE31 0 0500 - T46 V

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material ① | Material ②

⊗ Machining of housings : see pages 48-49

17WE3...-T/M...V Turcon® Excluder® 2 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.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ⊗ see page 8

Temperature -20°C to 200°C

Speed ≤ 15 m/s

Fluids ⊗ see pages 22-45

Materials ⊗ see pages 54-59

Dynamic sealing element ① Turcon® T46

Turcon® M12

Energising element ② FPM 75 Sh A: code V

Assembly ⊗ see pages 54-59

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

- Advantages**
- High speed performance
 - Low running friction
 - No stick-slip and extended service life
 - Can compensate rod deflections
 - Very good scraping effect against impurities and also from the inside against the residual oil film
 - Suitable for heavy duty applications
 - High chemical compatibility with the right O-ring
 - Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

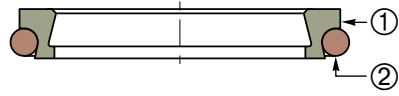
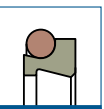
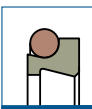
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

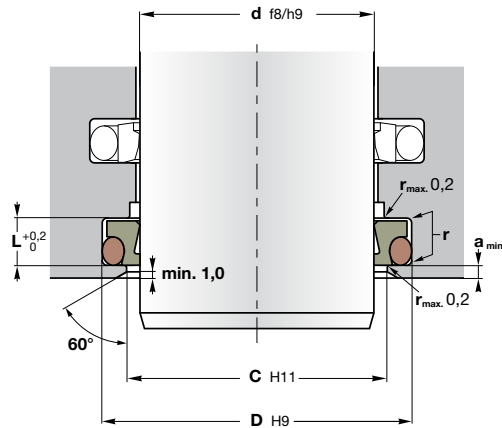
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE30	6 → 11,9	6 → 130,9	3,7	d + 4,8	d + 1,5	2	1,78
WE31	12 → 64,9	10 → 245,9	5	d + 6,8	d + 1,5	2	2,62
WE32	65 → 250,9	25 → 400,9	6	d + 8,8	d + 1,5	3	3,53
WE33	251 → 420,9	40 → 655,9	8,4	d + 12,2	d + 2	4	5,34
WE34	421 → 650,9	110 → 655,9	11	d + 16	d + 2	4	7
WE35	651 → 999,9	140 → 999,9	14	d + 20	d + 2,5	5	8,4
WE35X	> 1000		14	d + 20	d + 2,5	5	8,4

d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
6	10,8	3,7	7,5	0,4	2	7,65 x 1,78	•	•	17WE3000060-T46V
8	12,8	3,7	9,5	0,4	2	9,5 x 1,8	•	•	17WE3000080-T46V
10	14,8	3,7	11,5	0,4	2	11,8 x 1,8	•	•	17WE3000100-M12V
10	14,8	3,7	11,5	0,4	2	11,8 x 1,8	•	•	17WE3000100-T46V
12	18,8	5		0,8	2	13,94 x 2,62	•	•	17WE3100120-T46V
14	20,8	5	15,5	0,8	2	15,54 x 2,62	•	•	17WE3100140-T46V
15	21,8	5	16,5	0,8	2	17,12 x 2,62			17WE3100150-T46V
16	22,8	5		0,8	2	18 x 2,65	•	•	17WE3100160-T46V
18	24,8	5	19,5	0,8	2	20,29 x 2,62	•	•	17WE3100180-T46V
20	26,8	5		0,8	2	21,89 x 2,62	•	•	17WE3100200-T46V
22	28,8	5		0,8	2	23,47 x 2,62	•	•	17WE3100220-T46V
25	31,8	5		0,8	2	26,64 x 2,62	•	•	17WE3100250-T46V
28	34,8	5		0,8	2	29,82 x 2,62	•	•	17WE3100280-T46V
30	36,8	5		0,8	2	31,42 x 2,62			17WE3100300-T46V
32	38,8	5	33,5	0,8	2	34,59 x 2,62	•	•	17WE3100320-T46V
35	41,8	5		0,8	2	36,17 x 2,62			17WE3100350-T46V
36	42,8	5		0,8	2	37,77 x 2,62	•	•	17WE3100360-T46V
40	46,8	5		0,8	2	42,52 x 2,62	•	•	17WE3100400-T46V
42	48,8	5	43,5	0,8	2	44,12 x 2,62			17WE3100420-T46V
45	51,8	5		0,8	2	47,29 x 2,62			17WE3100450-T46V
50	56,8	5		0,8	2	52,07 x 2,62	•	•	17WE3100500-T46V
55	61,8	5		0,8	2	56,82 x 2,62			17WE3100550-T46V
56	62,8	5	57,5	0,8	2	58,42 x 2,62	•	•	17WE3100560-T46V
60	66,8	5		0,8	2	61,6 x 2,62			17WE3100600-T46V
63	69,8	5	64,5	0,8	2	64,77 x 2,62	•	•	17WE3100630-T46V
65	73,8	6	66,5	1	3	66,27 x 3,53			17WE3200650-T46V
70	78,8	6		1	3	72,62 x 3,53			17WE3200700-T46V
75	83,8	6	76,5	1	3	75,79 x 3,53			17WE3200750-T46V
80	88,8	6	81,5	1	3	82,14 x 3,53	•	•	17WE3200800-T46V
85	93,8	6	86,5	1	3	85,32 x 3,53			17WE3200850-T46V
90	98,8	6		1	3	91,67 x 3,53			17WE3200900-T46V
95	103,8	6	96,5	1	3	98,02 x 3,53			17WE3200950-T46V
100	108,8	6		1	3	101,19 x 3,53			17WE3201000-T46V
105	113,8	6	106,5	1	3	107,54 x 3,53			17WE3201050-T46V
110	118,8	6		1	3	110,72 x 3,53	•	•	17WE3201100-T46V
115	123,8	6	116,5	1	3	117,07 x 3,53			17WE3201150-T46V
120	128,8	6	121,5	1	3	120,24 x 3,53			17WE3201200-T46V
125	133,8	6	126,5	1	3	126,59 x 3,53	•	•	17WE3201250-T46V
130	138,8	6	131,5	1	3	132,94 x 3,53			17WE3201300-T46V
135	143,8	6	136,5	1	3	136,12 x 3,53			17WE3201350-T46V
140	148,8	6	141,5	1	3	142,47 x 3,53	•	•	17WE3201400-T46V
150	158,8	6	151,5	1	3	151,99 x 3,53			17WE3201500-T46V
160	168,8	6	161,5	1	3	158,34 x 3,53	•	•	17WE3201600-T46V
170	178,8	6	171,5	1	3	171,04 x 3,53			17WE3201700-T46V
180	188,8	6	181,5	1	3	177,39 x 3,53	•	•	17WE3201800-T46V
183	191,8	6	184,5	1	3	183,74 x 3,53			17WE3201830-T46V
190	198,8	6	191,5	1	3	196,44 x 3,53			17WE3201900-T46V
200	208,8	6	201,5	1	3	202,79 x 3,53	•	•	17WE3202000-T46V

**17WE3...-T/M...V**

Example of item code

17	WE31	0	0500	-	T46	V
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)	Material ①	Material ②	



✕ **Machining of housings:** see pages 48-49

17WE3...-T/M...V Turcon® Excluder® 2 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.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-20°C to 200°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Turcon® T46
	Turcon® M12
Energising element ②	FPM 75 Sh A: code V

Assembly ✕ see pages 54-59

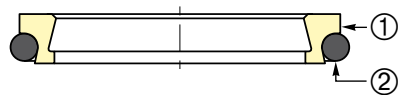
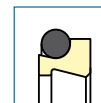
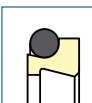
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

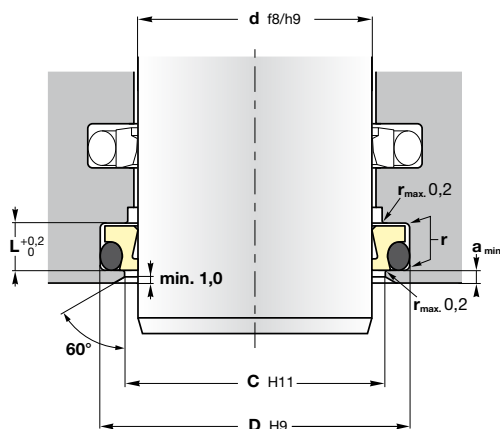
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE30	6 → 11,9	6 → 130,9	3,7	d + 4,8	d + 1,5	2	1,78
WE31	12 → 64,9	10 → 245,9	5	d + 6,8	d + 1,5	2	2,62
WE32	65 → 250,9	25 → 400,9	6	d + 8,8	d + 1,5	3	3,53
WE33	251 → 420,9	40 → 655,9	8,4	d + 12,2	d + 2	4	5,34
WE34	421 → 650,9	110 → 655,9	11	d + 16	d + 2	4	7
WE35	651 → 999,9	140 → 999,9	14	d + 20	d + 2,5	5	8,4
WE35X	> 1000		14	d + 20	d + 2,5	5	8,4

d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
205	213,8	6	206,5	1	3	209,14 x 3,53			17WE3202050-T46V
210	218,8	6	211,5	1	3	215,49 x 3,53			17WE3202100-M12V
210	218,8	6	211,5	1	3	215,49 x 3,53			17WE3202100-T46V
220	228,8	6	221,5	1	3	221,84 x 3,53		•	17WE3202200-T46V
230	238,8	6	231,5	1	3	228,19 x 3,53			17WE3202300-T46V
240	248,8	6	241,5	1	3	240,89 x 3,53			17WE3202400-T46V
250	258,8	6	251,5	1	3	253,59 x 3,53		•	17WE3202500-M12V
250	258,8	6	251,5	1	3	253,59 x 3,53		•	17WE3202500-T46V
260	272,2	8,4	262	1,5	4	253,37 x 5,33			17WE3302600-T46V
275	287,2	8,4	277	1,5	4	278,77 x 5,33			17WE3302750-T46V
280	292,2	8,4	282	1,5	4	291,47 x 5,33			17WE3302800-T46V
300	312,2	8,4	302	1,5	4	304,17 x 5,33			17WE3303000-T46V
400	412,2	8,4	402	1,5	4	405,26 x 5,33			17WE3304000-T46V

**17WE3...-Z...N**

Example of item code

17	WE31	0	0500	-	Z53	N
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)		Material ①	Material ②



✕ **Machining of housings:** see pages 48-49

17WE3...-Z...N Zurcon® Excluder® 2 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.

The standard PTFE material for this wiper is Z53 which 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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-30°C to 100°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Zurcon® Z53
Energising element ②	NBR 70 Sh A: code N

Assembly ✕ see pages 54-59

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

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

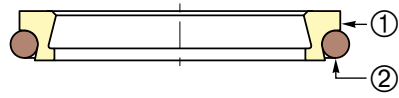
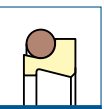
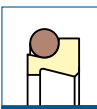
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

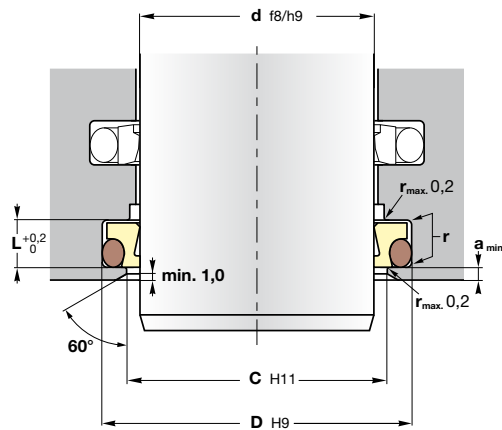
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE30	6 → 11,9	6 → 130,9	3,7	d + 4,8	d + 1,5	2	1,78
WE31	12 → 64,9	10 → 245,9	5	d + 6,8	d + 1,5	2	2,62
WE32	65 → 250,9	25 → 400,9	6	d + 8,8	d + 1,5	3	3,53
WE33	251 → 420,9	40 → 655,9	8,4	d + 12,2	d + 2	4	5,34
WE34	421 → 650,9	110 → 655,9	11	d + 16	d + 2	4	7
WE35	651 → 999,9	140 → 999,9	14	d + 20	d + 2,5	5	8,4
WE35X	> 1000		14	d + 20	d + 2,5	5	8,4

d	D	L	C	r	a _{min.}	O-ring NBR 70 Sh A	ISO 6195/D	ISO 3320	Reference
63	69,8	5	64,5	0,8	2	64,77 x 2,62	•	•	17WE3100630-Z53N

**17WE3...-Z...V**

Example of item code

17	WE31	0	0500	-	Z53	V
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)		Material ①	Material ②



✕ **Machining of housings:** see pages 48-49

17WE3...-Z...N Zurcon® Excluder® 2 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.

The standard PTFE material for this wiper is Z53 which 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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-20°C to 200°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Zurcon® Z53
Energising element ②	FPM 75 Sh A: code V

Assembly ✕ see pages 54-59

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

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

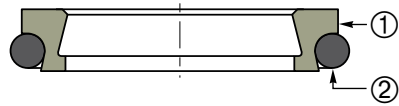
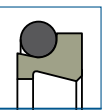
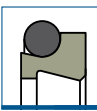
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

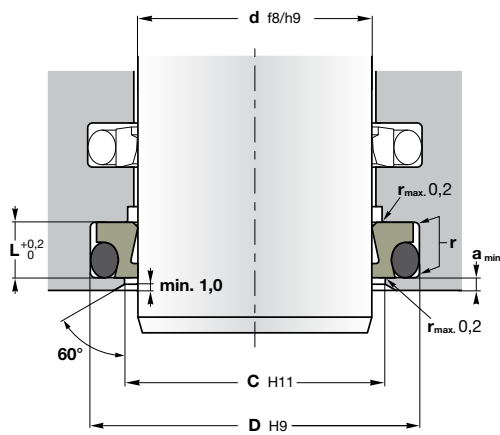
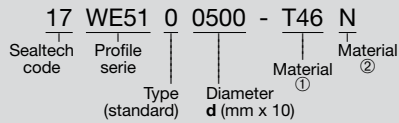
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE30	6 → 11,9	6 → 130,9	3,7	d + 4,8	d + 1,5	2	1,78
WE31	12 → 64,9	10 → 245,9	5	d + 6,8	d + 1,5	2	2,62
WE32	65 → 250,9	25 → 400,9	6	d + 8,8	d + 1,5	3	3,53
WE33	251 → 420,9	40 → 655,9	8,4	d + 12,2	d + 2	4	5,34
WE34	421 → 650,9	110 → 655,9	11	d + 16	d + 2	4	7
WE35	651 → 999,9	140 → 999,9	14	d + 20	d + 2,5	5	8,4
WE35X	> 1000		14	d + 20	d + 2,5	5	8,4

d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
63	69,8	5	64,5	0,8	2	64,77 x 2,62	•	•	17WE3100630-Z53V



17WE5...-T/M...N

Example of item code



✕ Machining of housings: see pages 48-49

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

17WE5...-T/M...N Turcon® Excluder® 5 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.

Compared to Excluder® 2, Excluder® 5 wipers are more robust and used particularly for heavy-duty applications such as in construction machinery, presses, etc.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function**.

Operating conditions ✕ see page 8

Temperature -30°C to 100°C
 Speed ≤ 15 m/s
 Fluids ✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ① Turcon® T46
 Energising element ② NBR 70 Sh A: code N

Assembly ✕ see pages 54-59

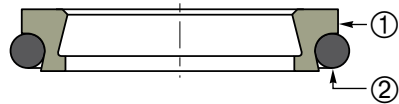
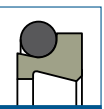
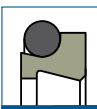
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

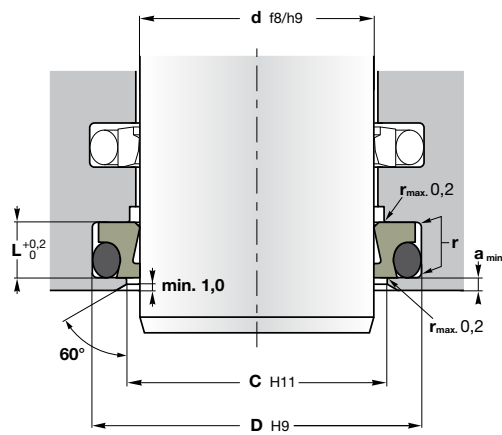
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a_min. (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 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 6195/D	ISO 3320	Reference
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62			• 17WE5000200-T46N
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62			• 17WE5000250-T46N
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62			• 17WE5000280-T46N
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62			• 17WE5000300-T46N
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62			• 17WE5000320-T46N
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62			• 17WE5000350-T46N
36	43,6	4,2	37,5	0,8	3	37,77 x 2,62			• 17WE5000360-T46N
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	• 17WE5100400-M12N
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	• 17WE5100400-T46N
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	• 17WE5100450-T46N
50	58,8	6,3	51,5	1	3	53,64 x 2,62	•	•	• 17WE5100500-T46N
55	63,8	6,3	56,5	1	3	58,42 x 2,62	•	•	• 17WE5100550-T46N
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	• 17WE5100560-T46N
60	68,8	6,3	61,5	1	3	63,17 x 2,62	•	•	• 17WE5100600-T46N
63	71,8	6,3	64,5	1	3	66,34 x 2,62	•	•	• 17WE5100630-T46N
65	73,8	6,3	66,5	1	3	67,95 x 2,62	•	•	• 17WE5100650-T46N
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	• 17WE5200700-T46N
75	87,2	8,1	77	1	4	78,97 x 3,53	•	•	• 17WE5200750-T46N
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	• 17WE5200800-T46N
85	97,2	8,1	87	1	4	88,49 x 3,53	•	•	• 17WE5200850-T46N
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	• 17WE5200900-T46N
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	• 17WE5201000-T46N
105	117,2	8,1	107	1	4	110,72 x 3,53	•	•	• 17WE5201050-T46N
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-M12N
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-T46N
115	127,2	8,1	117	1	4	120,24 x 3,53	•	•	• 17WE5201150-T46N
120	132,2	8,1	122	1	4	123,42 x 3,53	•	•	• 17WE5201200-T46N
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	• 17WE5201250-T46N
130	142,2	8,1	132	1	4	136,12 x 3,53	•	•	• 17WE5201300-T46N
135	147,2	8,1	137	1	4	139,29 x 3,53	•	•	• 17WE5201350-T46N
140	156	9,5	142,5	1,5	5	145,42 x 5,34	•	•	• 17WE5301400-T46N
150	166	9,5	152,5	1,5	5	151,77 x 5,34	•	•	• 17WE5301500-T46N
160	176	9,5	162,5	1,5	5	164,47 x 5,34	•	•	• 17WE5301600-T46N
170	186	9,5	172,5	1,5	5	177,17 x 5,34	•	•	• 17WE5301700-T46N
180	196	9,5	182,5	1,5	5	183,52 x 5,34	•	•	• 17WE5301800-T46N
200	216	9,5	202,5	1,5	5	202,57 x 5,34	•	•	• 17WE5302000-T46N
220	236	9,5	222,5	1,5	5	221,62 x 5,34	•	•	• 17WE5302200-T46N
240	256	9,5	242,5	1,5	5	247,02 x 5,34	•	•	• 17WE5302400-T46N
250	266	9,5	252,5	1,5	5	253,37 x 5,34	•	•	• 17WE5302500-T46N
260	276	9,5	262,5	1,5	5	266,07 x 5,34	•	•	• 17WE5302600-T46N
280	296	9,5	282,5	1,5	5	278,77 x 5,34	•	•	• 17WE5302800-T46N
285	301	9,5	287,5	1,5	5	291,47 x 5,34	•	•	• 17WE5302850-T46N

**17WE5...-T/M...N**

Example of item code

17	WE51	0	0500	-	T46	N
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)	Material ①	Material ②	



✕ **Machining of housings:** see pages 48-49

17WE5...-T/M...N Turcon® Excluder® 5 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.

Compared to Excluder® 2, Excluder® 5 wipers are more robust and used particularly for heavy-duty applications such as in construction machinery, presses, etc.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function**.

Operating conditions ✕ see page 8

Temperature	-30°C to 100°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Turcon® T46
Energising element ②	NBR 70 Sh A: code N

Assembly ✕ see pages 54-59

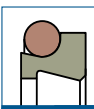
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 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 6195/D	ISO 3320	Reference
300	316	9,5	302,5	1,5	5	304,17 x 5,34			17WE5303000-T46N
310	326	9,5	312,5	1,5	5	315 x 5,34			17WE5303100-T46N
320	336	9,5	322,5	1,5	5	329,57 x 5,34	•	•	17WE5303200-T46N
340	356	9,5	342,5	1,5	5	340 x 5,34			17WE5303400-T46N
350	366	9,5	352,5	1,5	5	354,97 x 5,34			17WE5303500-T46N
360	376	9,5	362,5	1,5	5	366,34 x 5,34	•	•	17WE5303600-T46N
370	386	9,5	372,5	1,5	5	380,37 x 5,34			17WE5303700-T46N
400	424	14	402,5	1,5	8	405,26 x 7			17WE5404000-T46N
420	444	14	422,5	1,5	8	430,66 x 7			17WE5404200-T46N



17WE5...-T46V

Example of item code
17 WE51 0 0500 - T46 V

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material ① | Material ②

Machining of housings: see pages 48-49

17WE5...-T/M...V Turcon® Excluder® 5 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.

Compared to Excluder® 2, Excluder® 5 wipers are more robust and used particularly for heavy-duty applications such as in construction machinery, presses, etc.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function**.

Operating conditions ❗ see page 8

- Temperature: -20°C to 200°C
- Speed: ≤ 15 m/s
- Fluids: ❗ see pages 22-45

Materials ❗ see pages 54-59

- Dynamic sealing element ①: Turcon® T46
- Energising element ②: FPM 75 Sh A: code V

Assembly ❗ see pages 54-59

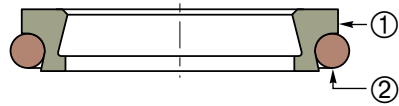
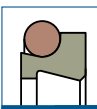
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

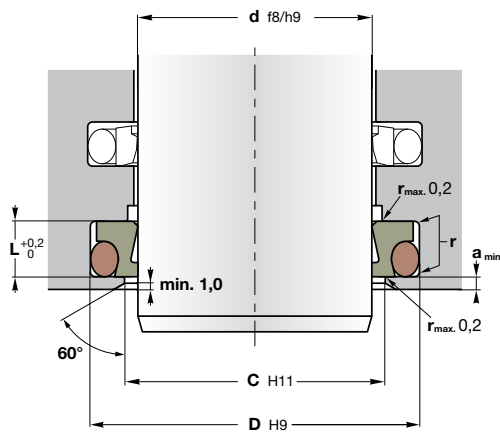
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a min. (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 1000		16	d + 27,3	d + 2,5	10	8,4

d	D	L	C	r	a min.	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62			• 17WE5000200-T46V
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62			• 17WE5000250-T46V
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62			• 17WE5000280-T46V
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62			• 17WE5000300-T46V
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62			• 17WE5000320-T46V
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62			• 17WE5000350-T46V
36	43,6	4,2	37,5	0,8	3	37,77 x 2,62			• 17WE5000360-T46V
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	• 17WE5100400-M12V
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	• 17WE5100400-T46V
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	• 17WE5100450-T46V
50	58,8	6,3	51,5	1	3	53,64 x 2,62	•	•	• 17WE5100500-T46V
55	63,8	6,3	56,5	1	3	58,42 x 2,62	•	•	• 17WE5100550-T46V
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	• 17WE5100560-T46V
60	68,8	6,3	61,5	1	3	63,17 x 2,62	•	•	• 17WE5100600-T46V
63	71,8	6,3	64,5	1	3	66,34 x 2,62	•	•	• 17WE5100630-T46V
65	73,8	6,3	66,5	1	3	67,95 x 2,62	•	•	• 17WE5100650-T46V
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	• 17WE5200700-T46V
75	87,2	8,1	77	1	4	78,97 x 3,53	•	•	• 17WE5200750-T46V
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	• 17WE5200800-T46V
85	97,2	8,1	87	1	4	88,49 x 3,53	•	•	• 17WE5200850-T46V
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	• 17WE5200900-T46V
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	• 17WE5201000-T46V
105	117,2	8,1	107	1	4	110,72 x 3,53	•	•	• 17WE5201050-T46V
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-M12V
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-T46V
115	127,2	8,1	117	1	4	120,24 x 3,53	•	•	• 17WE5201150-T46V
120	132,2	8,1	122	1	4	123,42 x 3,53	•	•	• 17WE5201200-T46V
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	• 17WE5201250-T46V
130	142,2	8,1	132	1	4	136,12 x 3,53	•	•	• 17WE5201300-T46V
135	147,2	8,1	137	1	4	139,29 x 3,53	•	•	• 17WE5201350-T46V
140	156	9,5	142,5	1,5	5	145,42 x 5,33	•	•	• 17WE5301400-T46V
150	166	9,5	152,5	1,5	5	151,77 x 5,33	•	•	• 17WE5301500-T46V
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	• 17WE5301600-T46V
170	186	9,5	172,5	1,5	5	177,17 x 5,33	•	•	• 17WE5301700-T46V
180	196	9,5	182,5	1,5	5	183,52 x 5,33	•	•	• 17WE5301800-T46V
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	• 17WE5302000-T46V
220	236	9,5	222,5	1,5	5	221,62 x 5,33	•	•	• 17WE5302200-T46V
240	256	9,5	242,5	1,5	5	247,02 x 5,33	•	•	• 17WE5302400-T46V
250	266	9,5	252,5	1,5	5	253,37 x 5,33	•	•	• 17WE5302500-T46V
260	276	9,5	262,5	1,5	5	266,07 x 5,33	•	•	• 17WE5302600-T46V
280	296	9,5	282,5	1,5	5	278,77 x 5,34	•	•	• 17WE5302800-T46V
285	301	9,5	287,5	1,5	5	291,47 x 5,34	•	•	• 17WE5302850-T46V

**17WE5...-T46V**

Example of item code

17	WE51	0	0500	-	T46	V
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)	Material ①	Material ②	



✕ **Machining of housings:** see pages 48-49

17WE5...-T/M...V Turcon® Excluder® 5 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.

Compared to Excluder® 2, Excluder® 5 wipers are more robust and used particularly for heavy-duty applications such as in construction machinery, presses, etc.

The standard PTFE material for this wiper is T46 which 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 rod seals with a hydrodynamic **back-pumping function**.

Operating conditions ✕ see page 8

Temperature	-20°C to 200°C
Speed	≤ 15 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Turcon® T46
Energising element ②	FPM 75 Sh A: code V

Assembly ✕ see pages 54-59

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

Advantages

- High speed performance
- Low running friction
- No stick-slip and extended service life
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- High chemical compatibility with the right O-ring
- Large temperature range -45°C up to 180°C with the right O-ring and Turcon T46

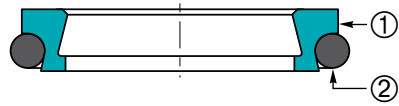
d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
300	316	9,5	302,5	1,5	5	304,17 x 5,34			17WE5303000-T46V
310	326	9,5	312,5	1,5	5	315 x 5,34			17WE5303100-T46V
320	336	9,5	322,5	1,5	5	329,57 x 5,34	•	•	17WE5303200-T46V
340	356	9,5	342,5	1,5	5	340 x 5,34			17WE5303400-T46V
350	366	9,5	352,5	1,5	5	354,97 x 5,34			17WE5303500-T46V
360	376	9,5	362,5	1,5	5	366,34 x 5,34	•	•	17WE5303600-T46V
370	386	9,5	372,5	1,5	5	380,37 x 5,34			17WE5303700-T46V
400	424	14	402,5	1,5	8	405,26 x 7			17WE5404000-T46V
420	444	14	422,5	1,5	8	430,66 x 7			17WE5404200-T46V

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

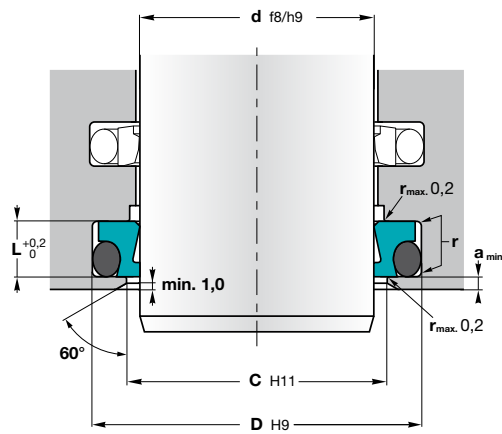
Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 1000		16	d + 27,3	d + 2,5	10	8,4

**17WEP...-Z...N**

Example of item code

17 WEP1 0 0500 - Z05 N

Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)	Material ①	Material ②
17	WEP1	0	0500	Z05	N



✕ Machining of housings : see pages 48-49

17WEP Zurcon® Excluder® 500 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

In contrast to Turcon® Excluder®, Excluder® 500 wipers in Z05 (same grooves as for Excluder® 5) are much more flexible and easier to install, but cannot withstand high speeds or high temperatures and have also limited chemical resistance

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-30°C to 80°C
Speed	≤ 1 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 10-19

Dynamic sealing element ①	Zurcon® Z05
Energising element ②	N = NBR 70 Sh A

Assembly ✕ see pages 54-59

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

Advantages

- Good scraping effect against impurities and also from the inside against the residual oil film
- High flexibility
- Easy installation
- Can compensate rod deflections
- Good price-performance ratio, economical solution
- Extended service life
- Excellent abrasion resistance

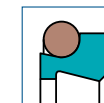
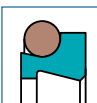
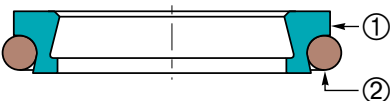
More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)	L (mm)	D (mm)	C (mm)	a min. (mm)	O-ring C/S ②
WEP0	12 → 36	4,2	d + 7,6	d + 1,5	3	2,62
WEP1	36 → 65	6,3	d + 8,8	d + 1,5	3	2,62
WEP2	70 → 130	8,1	d + 12,2	d + 2	4	3,53

d	D	L	C	r	a min.	O-ring NBR 70 Sh A	ISO 6195/D	Reference
12	19,6	4,2	13,5	0,8	3	15 x 2,62		17WEP000120-Z05N
14	21,6	4,2	15,5	0,8	3	17,12 x 2,62		17WEP000140-Z05N
18	25,6	4,2	19,5	0,8	3	20,29 x 2,62		17WEP000180-Z05N
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62		17WEP000200-Z05N
22	29,6	4,2	23,5	0,8	3	25,07 x 2,62		17WEP000220-Z05N
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62		17WEP000320-Z05N
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62		17WEP000350-Z05N
40	48,8	6,3	41,5	0,8	3	44,12 x 2,62	•	17WEP100400-Z05N
45	53,8	6,3	46,5	0,8	3	48,90 x 2,62	•	17WEP100450-Z05N
50	58,8	6,3	51,5	0,8	3	53,64 x 2,62	•	17WEP100500-Z05N
55	63,8	6,3	56,5	0,8	3	58,42 x 2,62		17WEP100550-Z05N
60	68,8	6,3	61,5	0,8	3	63,17 x 2,62		17WEP100600-Z05N
65	73,8	6,3	66,5	0,8	3	67,95 x 2,62		17WEP100650-Z05N
70	82,2	8,1	72	1	4	75,79 x 3,53	•	17WEP200700-Z05N
75	87,2	8,1	77	1	4	78,97 x 3,53		17WEP200750-Z05N
80	92,2	8,1	82	1	4	85,32 x 3,53	•	17WEP200800-Z05N
85	97,2	8,1	87	1	4	88,49 x 3,53		17WEP200850-Z05N
90	102,2	8,1	92	1	4	94,84 x 3,53	•	17WEP200900-Z05N
95	107,2	8,1	97	1	4	101,19 x 3,53		17WEP200950-Z05N
100	112,2	8,1	102	1	4	104,37 x 3,53	•	17WEP201000-Z05N
105	117,2	8,1	107	1	4	110,72 x 3,53		17WEP201050-Z05N
110	122,2	8,1	112	1	4	113,89 x 3,53	•	17WEP201100-Z05N
125	137,2	8,1	127	1	4	129,77 x 3,53	•	17WEP201250-Z05N
130	142,2	8,1	132	1	4	132,94 x 3,53		17WEP201300-Z05N

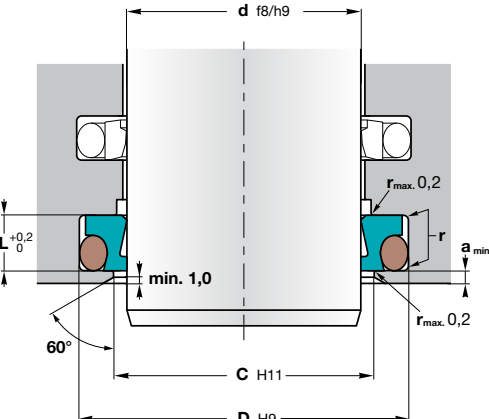



17WEP...-Z...V

Example of item code

17 WEP1 0 0500 - Z05 V

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material ① | Material ②



✕ **Machining of housings** : see pages 48-49

17WEP Zurcon® Excluder® 500 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

In contrast to Turcon® Excluder®, Excluder® 500 wipers in Z05 (same grooves as for Excluder® 5) are much more flexible and easier to install, but cannot withstand high speeds or high temperatures and have also limited chemical resistance

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions		✕ see page 8
Temperature	-20°C to 80°C	
Speed	≤ 1 m/s	
Fluids		✕ see pages 22-45
Materials		✕ see pages 10-19
Dynamic sealing element ①	Zurcon® Z05	
Energising element ②	V = FPM 75 Sh A	

Assembly		✕ see pages 54-59
O-ring and dynamic sealing element may easily be mounted into the grooved housing (above 30 mm)		

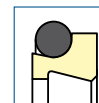
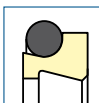
Advantages	
Good scraping effect against impurities and also from the inside against the residual oil film	
High flexibility	
Easy installation	
Can compensate rod deflections	
Good price-performance ratio, economical solution	
Extended service life	
Excellent abrasion resistance	

More information
 On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)	L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
WEP0	12 → 36	4,2	d + 7,6	d + 1,5	3	2,62
WEP1	36 → 65	6,3	d + 8,8	d + 1,5	3	2,62
WEP2	70 → 130	8,1	d + 12,2	d + 2	4	3,53

d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	Reference
12	19,6	4,2	13,5	0,8	3	15 x 2,62		17WEP000120-Z05V
14	21,6	4,2	15,5	0,8	3	17,12 x 2,62		17WEP000140-Z05V
18	25,6	4,2	19,5	0,8	3	20,29 x 2,62		17WEP000180-Z05V
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62		17WEP000200-Z05V
22	29,6	4,2	23,5	0,8	3	25,07 x 2,62		17WEP000220-Z05V
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62		17WEP000320-Z05V
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62		17WEP000350-Z05V
40	48,8	6,3	41,5	0,8	3	44,12 x 2,62	•	17WEP100400-Z05V
45	53,8	6,3	46,5	0,8	3	48,90 x 2,62	•	17WEP100450-Z05V
50	58,8	6,3	51,5	0,8	3	53,64 x 2,62	•	17WEP100500-Z05V
55	63,8	6,3	56,5	0,8	3	58,42 x 2,62		17WEP100550-Z05V
60	68,8	6,3	61,5	0,8	3	63,17 x 2,62		17WEP100600-Z05V
65	73,8	6,3	66,5	0,8	3	67,95 x 2,62		17WEP100650-Z05V
70	82,2	8,1	72	1	4	75,79 x 3,53	•	17WEP200700-Z05V
75	87,2	8,1	77	1	4	78,97 x 3,53		17WEP200750-Z05V
80	92,2	8,1	82	1	4	85,32 x 3,53	•	17WEP200800-Z05V
85	97,2	8,1	87	1	4	88,49 x 3,53		17WEP200850-Z05V
90	102,2	8,1	92	1	4	94,84 x 3,53	•	17WEP200900-Z05V
95	107,2	8,1	97	1	4	101,19 x 3,53		17WEP200950-Z05V
100	112,2	8,1	102	1	4	104,37 x 3,53	•	17WEP201000-Z05V
105	117,2	8,1	107	1	4	110,72 x 3,53		17WEP201050-Z05V
110	122,2	8,1	112	1	4	113,89 x 3,53	•	17WEP201100-Z05V
125	137,2	8,1	127	1	4	129,77 x 3,53	•	17WEP201250-Z05V
130	142,2	8,1	132	1	4	132,94 x 3,53		17WEP201300-Z05V



17WE5...-Z...N

Example of item code

17 WE51 0 0550 - Z53 N

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material ① | Material ②

Machining of housings: see pages 48-49

17WE5...-Z...N Zurcon® Excluder® 5 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

The material used for this wiper is Z53, a hard casted polyurethane which has a very high abrasion and extrusion resistance and can also be used on counter surfaces with rougher surface finish

Compared to Turcon materials, it cannot withstand such high speeds or high temperatures and has also limited chemical resistance.

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ❌ see page 8

- Temperature -30°C to 100°C
- Speed ≤ 2 m/s
- Fluids ❌ see pages 22-45

Materials ❌ see pages 54-59

- Dynamic sealing element ① Zurcon® Z53
- Energising element ② NBR 70 Sh A: code N

Assembly ❌ see pages 54-59

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

Advantages

- Low running friction
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- Extended service life
- Simple groove construction

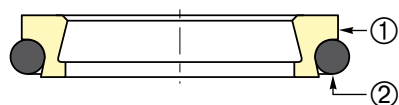
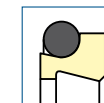
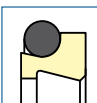
More information
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 1000		16	d + 27,3	d + 2,5	10	8,4

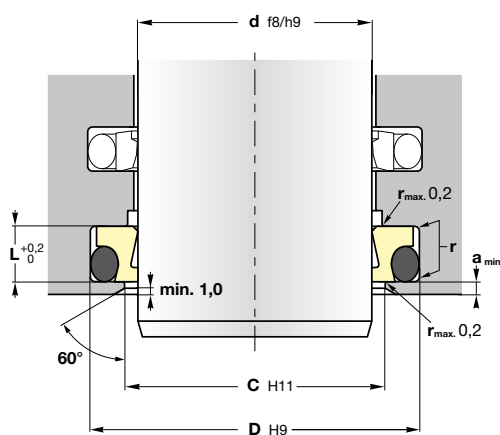
d	D	L	C	r	a _{min.}	O-ring NBR 70 Sh A	ISO 6195/D	ISO 3320	Reference
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62			• 17WE5000200-Z53N
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62			• 17WE5000250-Z53N
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62			• 17WE5000280-Z53N
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62			• 17WE5000280-Z80N
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62			• 17WE5000300-Z53N
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62			• 17WE5000320-Z53N
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62			• 17WE5000350-Z54N
36	43,6	4,2	37,5	0,8	3	37,77 x 2,62			• 17WE5000360-Z53N
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	• 17WE5100400-Z53N
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	• 17WE5100450-Z53N
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	• 17WE5100450-Z80N
50	58,8	6,3	51,5	1	3	53,64 x 2,62	•	•	• 17WE5100500-Z53N
55	63,8	6,3	56,5	1	3	58,42 x 2,62			• 17WE5100550-Z53N
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	• 17WE5100560-Z53N
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	• 17WE5100560-Z54N
60	68,8	6,3	61,5	1	3	63,17 x 2,62			• 17WE5100600-Z53N
63	71,8	6,3	64,5	1	3	66,34 x 2,62	•	•	• 17WE5100630-Z53N
65	73,8	6,3	66,5	1	3	67,95 x 2,62			• 17WE5100650-Z53N
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	• 17WE5200700-Z53N
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	• 17WE5200700-Z54N
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	• 17WE5200700-Z80N
75	87,2	8,1	77	1	4	78,97 x 3,53			• 17WE5200750-Z53N
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	• 17WE5200800-Z54N
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	• 17WE5200800-Z53N
85	97,2	8,1	87	1	4	88,49 x 3,53			• 17WE5200850-Z53N
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	• 17WE5200900-Z53N
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	• 17WE5200900-Z54N
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	• 17WE5201000-Z53N
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	• 17WE5201000-Z54N
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-Z53N
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	• 17WE5201100-Z54N
115	127,2	8,1	117	1	4	120,24 x 3,53			• 17WE5201150-Z53N
120	132,2	8,1	122	1	4	123,42 x 3,53			• 17WE5201200-Z80N
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	• 17WE5201250-Z53N
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	• 17WE5201250-Z54N
130	142,2	8,1	132	1	4	136,12 x 3,53			• 17WE5201300-Z53N
135	147,2	8,1	137	1	4	139,29 x 3,53			• 17WE5201350-Z53N
140	156	9,5	142,5	1,5	5	145,42 x 5,33	•	•	• 17WE5301400-Z54N
140	156	9,5	142,5	1,5	5	145,42 x 5,33	•	•	• 17WE5301400-Z53N

The material Zurcon® Z51 has been changed in Zurcon® Z53
The material Zurcon® Z52 has been changed in Zurcon® Z54

**17WE5...-Z...N**

Example of item code

17	WE51	0	0550	-	Z53	N
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)		Material ①	Material ②



✕ **Machining of housings:** see pages 48-49

17WE5...-Z...N Zurcon® Excluder® 5 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

The material used for this wiper is Z53, a hard casted polyurethane which has a very high abrasion and extrusion resistance and can also be used on counter surfaces with rougher surface finish

Compared to Turcon materials, it cannot withstand such high speeds or high temperatures and has also limited chemical resistance.

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-30°C to 100°C
Speed	≤ 2 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Zurcon® Z53
Energising element ②	NBR 70 Sh A: code N

Assembly ✕ see pages 54-59

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

Advantages

- Low running friction
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- Extended service life
- Simple groove construction

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a min. (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 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 6195/D	ISO 3320	Reference
150	166	9,5	152,5	1,5	5	151,77 x 5,33			17WE5301500-Z53N
150	166	9,5	152,5	1,5	5	151,77 x 5,33			17WE5301500-Z54N
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z53N
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z54N
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z80N
170	186	9,5	172,5	1,5	5	177,17 x 5,33			17WE5301700-Z53N
180	196	9,5	182,5	1,5	5	183,52 x 5,33	•	•	17WE5301800-Z53N
180	196	9,5	182,5	1,5	5	183,52 x 5,33	•	•	17WE5301800-Z54N
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z53N
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z54N
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z80N
220	236	9,5	222,5	1,5	5	221,62 x 5,33	•	•	17WE5302200-Z54N
220	236	9,5	222,5	1,5	5	221,62 x 5,33	•	•	17WE5302200-Z53N
240	256	9,5	242,5	1,5	5	247,02 x 5,33	•	•	17WE5302400-Z53N
240	256	9,5	242,5	1,5	5	247,02 x 5,33	•	•	17WE5302400-Z54N
250	266	9,5	252,5	1,5	5	253,37 x 5,33	•	•	17WE5302500-Z53N
280	296	9,5	282,5	1,5	5	278,77 x 5,33	•	•	17WE5302800-Z54N
400	424	14	402,5	1,5	8	405,26 x 7			17WE5404000-Z54N

The material Zurcon® Z51 has been changed in Zurcon® Z53
 The material Zurcon® Z52 has been changed in Zurcon® Z54



17WE5...-Z...V

Example of item code

17 WE51 0 0550 - Z53 V

Sealtech code | Profile serie | Type (standard) | Diameter d (mm x 10) | Material ① | Material ②

⊗ **Machining of housings**: see pages 48-49

17WE5...-Z...V Zurcon® Excluder® 5 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

The material used for this wiper is Z53, a hard casted polyurethane which has a very high abrasion and extrusion resistance and can also be used on counter surfaces with rougher surface finish

Compared to Turcon materials, it cannot withstand such high speeds or high temperatures and has also limited chemical resistance.

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ⊗ see page 8

- Temperature: -20°C to 200°C
- Speed: ≤ 2 m/s
- Fluids: ⊗ see pages 22-45

Materials ⊗ see pages 54-59

- Dynamic sealing element ①: Zurcon® Z53
- Energising element ②: FPM 75 Sh A: code V

Assembly ⊗ see pages 54-59

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

Advantages

- Low running friction
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- Extended service life
- Simple groove construction

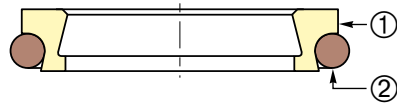
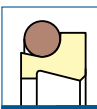
More information
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 1000		16	d + 27,3	d + 2,5	10	8,4

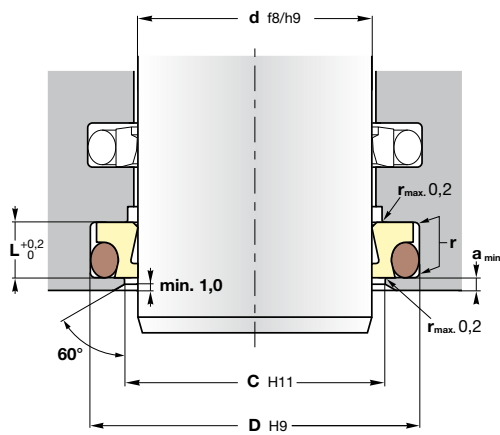
d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
20	27,6	4,2	21,5	0,8	3	21,89 x 2,62	•	•	17WE5000200-Z53V
25	32,6	4,2	26,5	0,8	3	28,24 x 2,62	•	•	17WE5000250-Z53V
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62	•	•	17WE5000280-Z53V
28	35,6	4,2	29,5	0,8	3	29,82 x 2,62	•	•	17WE5000280-Z80V
30	37,6	4,2	31,5	0,8	3	32,99 x 2,62	•	•	17WE5000300-Z53V
32	39,6	4,2	33,5	0,8	3	34,59 x 2,62	•	•	17WE5000320-Z53V
35	42,6	4,2	36,5	0,8	3	37,77 x 2,62	•	•	17WE5000350-Z54V
36	43,6	4,2	37,5	0,8	3	37,77 x 2,62	•	•	17WE5000360-Z53V
40	48,8	6,3	41,5	1	3	44,12 x 2,62	•	•	17WE5100400-Z53V
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	17WE5100450-Z53V
45	53,8	6,3	46,5	1	3	48,9 x 2,62	•	•	17WE5100450-Z80V
50	58,8	6,3	51,5	1	3	53,64 x 2,62	•	•	17WE5100500-Z53V
55	63,8	6,3	56,5	1	3	58,42 x 2,62	•	•	17WE5100550-Z53V
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	17WE5100560-Z53V
56	64,8	6,3	57,5	1	3	59,99 x 2,62	•	•	17WE5100560-Z54V
60	68,8	6,3	61,5	1	3	63,17 x 2,62	•	•	17WE5100600-Z53V
63	71,8	6,3	64,5	1	3	66,34 x 2,62	•	•	17WE5100630-Z53V
65	73,8	6,3	66,5	1	3	67,95 x 2,62	•	•	17WE5100650-Z53V
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	17WE5200700-Z53V
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	17WE5200700-Z54V
70	82,2	8,1	72	1	4	75,79 x 3,53	•	•	17WE5200700-Z80V
75	87,2	8,1	77	1	4	78,97 x 3,53	•	•	17WE5200750-Z53V
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	17WE5200800-Z54V
80	92,2	8,1	82	1	4	85,32 x 3,53	•	•	17WE5200800-Z53V
85	97,2	8,1	87	1	4	88,49 x 3,53	•	•	17WE5200850-Z53V
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	17WE5200900-Z53V
90	102,2	8,1	92	1	4	94,84 x 3,53	•	•	17WE5200900-Z54V
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	17WE5201000-Z53V
100	112,2	8,1	102	1	4	104,37 x 3,53	•	•	17WE5201000-Z54V
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	17WE5201100-Z53V
110	122,2	8,1	112	1	4	113,89 x 3,53	•	•	17WE5201100-Z54V
115	127,2	8,1	117	1	4	120,24 x 3,53	•	•	17WE5201150-Z53V
120	132,2	8,1	122	1	4	123,42 x 3,53	•	•	17WE5201200-Z80V
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	17WE5201250-Z53V
125	137,2	8,1	127	1	4	129,77 x 3,53	•	•	17WE5201250-Z54V
130	142,2	8,1	132	1	4	136,12 x 3,53	•	•	17WE5201300-Z53V
135	147,2	8,1	137	1	4	139,29 x 3,53	•	•	17WE5201350-Z53V
140	156	9,5	142,5	1,5	5	145,42 x 5,33	•	•	17WE5301400-Z54V
140	156	9,5	142,5	1,5	5	145,42 x 5,33	•	•	17WE5301400-Z53V

The material Zurcon® Z51 has been changed in Zurcon® Z53
The material Zurcon® Z52 has been changed in Zurcon® Z54

**17WE5...-Z...V**

Example of item code

17	WE51	0	0550	-	Z53	V
Sealtech code	Profile serie	Type (standard)	Diameter d (mm x 10)		Material ①	Material ②



✕ **Machining of housings** : see pages 48-49

17WE5...-Z...V Zurcon® Excluder® 5 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 PU ring with a scraper lip respectively sealing lip positioned back-to-back.

The material used for this wiper is Z53, a hard casted polyurethane which has a very high abrasion and extrusion resistance and can also be used on counter surfaces with rougher surface finish

Compared to Turcon materials, it cannot withstand such high speeds or high temperatures and has also limited chemical resistance.

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 rod seals with a hydrodynamic **back-pumping function** or a drainage channel must be opened in this area.

Operating conditions ✕ see page 8

Temperature	-20°C to 200°C
Speed	≤ 2 m/s
Fluids	✕ see pages 22-45

Materials ✕ see pages 54-59

Dynamic sealing element ①	Zurcon® Z53
Energising element ②	FPM 75 Sh A: code V

Assembly ✕ see pages 54-59

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

Advantages

- Low running friction
- Can compensate rod deflections
- Very good scraping effect against impurities and also from the inside against the residual oil film
- Suitable for heavy duty applications
- Extended service life
- Simple groove construction

More information

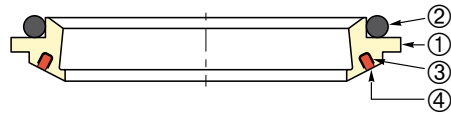
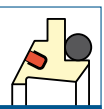
On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

Please contact us for applications approaching maximum values.

Serie	D (mm)		L (mm)	D (mm)	C (mm)	a _{min.} (mm)	O-ring C/S ②
	Standard range	Extended range					
WE50	19 → 39,9	19 → 100	4,2	d + 7,6	d + 1,5	3	2,62
WE51	40 → 69,9	30 → 200	6,3	d + 8,8	d + 1,5	3	2,62
WE52	70 → 139,9	70 → 360	8,1	d + 12,2	d + 2	4	3,53
WE53	140 → 399,9	100 → 650	9,5	d + 16	d + 2,5	5	5,34
WE54	400 → 649,9	200 → 650	14	d + 24	d + 2,5	8	7
WE55	650 → 999,9	400 → 999,9	16	d + 27,3	d + 2,5	10	8,4
WE55X	> 1000		16	d + 27,3	d + 2,5	10	8,4

d	D	L	C	r	a _{min.}	O-ring FPM 75 Sh A	ISO 6195/D	ISO 3320	Reference
150	166	9,5	152,5	1,5	5	151,77 x 5,33			17WE5301500-Z53V
150	166	9,5	152,5	1,5	5	151,77 x 5,33			17WE5301500-Z54V
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z53V
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z54V
160	176	9,5	162,5	1,5	5	164,47 x 5,33	•	•	17WE5301600-Z80V
170	186	9,5	172,5	1,5	5	177,17 x 5,33			17WE5301700-Z53V
180	196	9,5	182,5	1,5	5	183,52 x 5,33	•	•	17WE5301800-Z53V
180	196	9,5	182,5	1,5	5	183,52 x 5,33	•	•	17WE5301800-Z54V
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z53V
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z54V
200	216	9,5	202,5	1,5	5	202,57 x 5,33	•	•	17WE5302000-Z80V
220	236	9,5	222,5	1,5	5	221,62 x 5,33	•	•	17WE5302200-Z53V
220	236	9,5	222,5	1,5	5	221,62 x 5,33	•	•	17WE5302200-Z54V
240	256	9,5	242,5	1,5	5	247,02 x 5,33			17WE5302400-Z53V
240	256	9,5	242,5	1,5	5	247,02 x 5,33			17WE5302400-Z54V
250	266	9,5	252,5	1,5	5	253,37 x 5,33	•	•	17WE5302500-Z53V
280	296	9,5	282,5	1,5	5	278,77 x 5,33	•	•	17WE5302800-Z54V
400	424	14	402,5	1,5	8	405,26 x 7			17WE5404000-Z54V

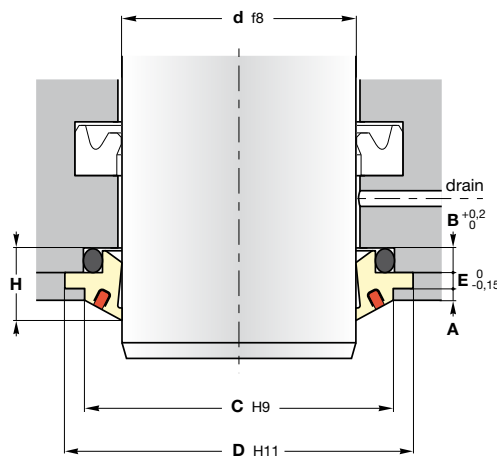
The material Zurcon® Z51 has been changed in Zurcon® Z53
 The material Zurcon® Z52 has been changed in Zurcon® Z54

**17WEY**

Example of item code

17 WEYB 190893 - Z80 N

Sealtech code	Profile	Module TSS	Material ①	Material ②
17	WEYB	190893	Z80	N


Machining of housings: see pages 48-49

17WEY Zurcon® Excluder® S is a double acting wiper especially suitable for "off shore" cylinders and for cylinders working under sea level.

The V-spring maintains a permanent force on the scraping edge. The spring is also filled with silicone to prevent contamination blocking the spring. The internal O-ring activates the sealing lip and assures a good scraping effect from the residual oil film adhering on the rod.

The standard material for this wiper is Zurcon® Z80, which has a high abrasion resistance and good chemical resistance.

In order to avoid any possible hydrodynamic pressure problems between the rod seal and the wiper, it is preferably to use a rod seal with a hydrodynamic **back-pumping function** or otherwise to place a drain line. (pressure resistance up to 1,5 MPa)

Operating conditions see page 8

Temperature	-30°C to 80°C
Speed	≤ 2 m/s
Fluids	see pages 22-45

Materials see pages 10-19

Body ①	Zurcon® Z80
Energising element ②	N = NBR 70 Sh A
Spring ③	stainless steel
Spring cavity ④	with red silicone filled

Assembly see pages 54-59

In two-piece housings

Advantages

Good result with "Off shore" cylinders and with cylinders which are working under the sea level

Very good scraping effect in very hard and abrasive environments, even against firmly adherent dirt (ice, sand, concrete...)

Can be used at very low temperatures with the right O-ring (-60°C)

Prevents moisture and contaminations being trapped in front of the scraper in applications where the rod is pointing upwards

Please contact us for applications approaching maximum values.

More information

On www.sealtech-business.be, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	H	C	E	B	A	O-ring NBR 70 Sh A	Reference
28	40	7,2	35,3	1,8	2,2	1,2	01 178 3147	17WEYB191116-Z80N
36	48	7,2	43,3	1,8	2,2	1,2	01 178 4100	17WEYB191117-Z80N
50	68,7	12	61,3	2,5	4,2	2	01 353 5357	17WEYB190860-Z80N
60	78,7	12	71,3	2,5	4,2	2	01 353 6309	17WEYB190893-Z80N
63	81,7	12	74,3	2,5	4,2	2	01 353 6627	17WEYB190894-Z80N
70	88,7	12	81,3	2,5	4,2	2	01 353 7579	17WEYB190959-Z80N
80	98,7	12	91,3	2,5	4,2	2	01 353 8532	17WEYB190856-Z80N
90	108,7	12	101,3	2,5	4,2	2	01 353 9167	17WEYB190857-Z80N
100	118,7	12	111,3	2,5	4,2	2	01 353 10119	17WEYB190917-Z80N
120	138,7	12	131,3	2,5	4,2	2	01 353 12342	17WEYB190960-Z80N
130	148,7	12	141,3	2,5	4,2	2	01 353 13294	17WEYB191014-Z80N
140	158,7	12	151,3	2,5	4,2	2	01 353 14247	17WEYB191015-Z80N