



Max. Operating Conditions	
Temperature (°C)	- 30 / + 110 / + 200
Speed (m/s)	≤ 1
Media:	Hydraulic fluids upon oil-basis, hardly inflaming hydraulic fluids, HFA-, HFB-Liquids

Recommended Surface Finish		
Surface roughness	R_a	R_t
Groove bottom	≤ 1,6 µm	≤ 16 µm
Groove flanks	≤ 1,6 µm	≤ 16 µm
Running surface	≤ 0,3 µm	≤ 3 µm

Material	
NBR	N
FKM (Viton®)	V

Technical Description

The wiper/scraper ring **W5** is manufactured in NBR as standard.

The steel cage of this wiper lies inwards and is sheathed.

The overdimension on the outside diameter of the wiper/scraper ring provides for a tight seating in the groove.

The preset wiping edge lying on the piston rod prevents the penetration of foreign matters and water.

The scraper is also available in FPM (Viton®) and appropriate for temperatures of up to +200 °C.

Type designation	∅ d	∅ D	H ₁	H	L	L ₁
W5 - 6 - 13 - N	6	13	3,0	4,5	3,0	0,5
W5 - 8 - 14 - N	8	14	3,5	5,0	3,5	0,5
W5 - 10 - 16 - N	10	16	3,5	5,0	3,5	0,5
W5 - 10 - 20 - N	10	20	5,0	8,0	5,0	1,0
W5 - 12 - 18 - N	12	18	3,5	5,0	3,5	0,5
W5 - 12 - 22 - N	12	22	5,0	8,0	5,0	1,0
W5 - 14 - 20 - N	14	20	3,5	5,0	3,5	0,5
W5 - 15 - 21 - N	15	21	3,5	5,0	3,5	0,5
W5 - 15 - 25 - N	15	25	5,0	8,0	5,0	1,0
W5 - 16 - 22 - N	16	22	3,5	5,0	3,5	0,5
W5 - 16 - 24 - N	16	24	3,5	5,0	3,5	0,5
W5 - 16 - 26 - N	16	26	5,0	8,0	5,0	1,0
W5 - 17 - 22 - N	17	22	5,0	7,0	5,0	0,8
W5 - 18 - 28 - N	18	28	5,0	7,0	5,0	0,8
W5 - 20 - 30 - N	20	30	5,0	7,0	5,0	1,0
W5 - 20 - 30/1 - N	20	30	7,0	10,0	7,0	1,0
W5 - 22 - 32 - N	22	32	5,0	7,0	5,0	1,0
W5 - 22 - 32/1 - N	22	32	7,0	10,0	7,0	1,0
W5 - 24 - 35 - N	24	35	5,0	8,0	5,0	1,0
W5 - 25 - 33 - N	25	33	4,0	6,0	4,0	0,8
W5 - 25 - 35 - N	25	35	5,0	7,0	5,0	1,0
W5 - 25 - 35/1 - N	25	35	7,0	10,0	7,0	1,0
W5 - 26 - 35 - N	26	35	7,0	10,0	7,0	1,0
W5 - 28 - 38 - N	28	38	5,0	7,0	5,0	1,0
W5 - 28 - 40 - N	28	40	7,0	10,0	7,0	1,0
W5 - 30 - 40 - N	30	40	5,0	7,0	5,0	1,0
W5 - 30 - 40/1 - N	30	40	7,0	10,0	7,0	1,0
W5 - 32 - 42 - N	32	42	5,0	7,0	5,0	1,0
W5 - 32 - 45 - N	32	45	7,0	10,0	7,0	1,0
W5 - 35 - 45 - N	35	45	7,0	10,0	7,0	1,0

Wiper/Scraper ring Type

Dimension

Material/Type

Ordering example: Wiper/Scraper Ring ∅ d 20 x 30 x 5 / 7 NBR
Order designation: W5 - 20 x 30 x 5,0 / 7 - N

Designation of material:
N - NBR
V - FKM (Viton®)

Type designation	∅ d	∅ D	H ₁	H	L	L ₁
W5 - 36 - 45 - N	36	45	7,0	10,0	7,0	1,0
W5 - 36 - 46 - N	36	46	5,0	7,0	5,0	1,0
W5 - 38 - 48 - N	38	48	7,0	10,0	7,0	1,0
W5 - 40 - 50 - N	40	50	5,0	8,0	5,0	1,0
W5 - 40 - 50/1 - N	40	50	7,0	10,0	7,0	1,0
W5 - 42 - 52 - N	42	52	5,0	7,0	5,0	1,0
W5 - 42 - 52/1 - N	42	52	7,0	10,0	7,0	1,0
W5 - 45 - 55 - N	45	55	5,0	7,0	5,0	1,0
W5 - 45 - 55/1 - N	45	55	7,0	10,0	7,0	1,0
W5 - 48 - 60 - N	48	60	7,0	10,0	7,0	1,0
W5 - 50 - 56 - N	50	56	5,0	7,0	5,0	1,0
W5 - 50 - 60 - N	50	60	5,0	7,0	5,0	1,0
W5 - 50 - 60/1 - N	50	60	7,0	10,0	7,0	1,0
W5 - 52 - 62 - N	52	62	7,0	10,0	7,0	1,0
W5 - 55 - 65 - N	55	65	5,0	7,0	5,0	1,0
W5 - 55 - 65/1 - N	55	65	7,0	10,0	7,0	1,0
W5 - 56 - 66 - N	56	66	5,0	7,0	5,0	1,0
W5 - 60 - 70 - N	60	70	5,0	7,0	5,0	1,0
W5 - 60 - 70/1 - N	60	70	7,0	10,0	7,0	1,0
W5 - 63 - 73 - N	63	73	5,0	7,0	5,0	1,0
W5 - 65 - 75 - N	65	75	5,0	7,0	5,0	1,0
W5 - 65 - 75/1 - N	65	75	7,0	10,0	7,0	1,0
W5 - 70 - 80 - N	70	80	5,0	7,0	5,0	1,0
W5 - 70 - 80/1 - N	70	80	7,0	10,0	7,0	1,0
W5 - 75 - 83 - N	75	83	7,0	10,0	7,0	1,0
W5 - 75 - 85 - N	75	85	7,0	10,0	7,0	1,0
W5 - 80 - 88 - N	80	88	7,0	10,0	7,0	1,0
W5 - 80 - 90 - N	80	90	7,0	10,0	7,0	1,0
W5 - 85 - 95 - N	85	95	7,0	10,0	7,0	1,0
W5 - 90 - 100 - N	90	100	5,0	7,0	5,0	1,0
W5 - 90 - 100/1 - N	90	100	7,0	10,0	7,0	1,0
W5 - 95 - 105 - N	95	105	7,0	10,0	7,0	1,0
W5 - 100 - 110 - N	100	110	7,0	10,0	7,0	1,0
W5 - 105 - 115 - N	105	115	7,0	10,0	7,0	1,0
W5 - 110 - 120 - N	110	120	7,0	10,0	7,0	1,0
W5 - 115 - 125 - N	115	125	7,0	10,0	7,0	1,0
W5 - 120 - 130 - N	120	130	7,0	10,0	7,0	1,0
W5 - 125 - 140 - N	125	140	9,0	12,0	9,0	1,2

Type designation	∅ d	∅ D	H ₁	H	L	L ₁
W5 - 130 - 145 - N	130	145	9,0	12,0	9,0	1,2
W5 - 140 - 155 - N	140	155	9,0	12,0	9,0	1,2
W5 - 150 - 165 - N	150	165	9,0	12,0	9,0	1,2
W5 - 160 - 175 - N	160	175	9,0	12,0	9,0	1,2
W5 - 170 - 185 - N	170	185	10,0	14,0	10,0	1,4
W5 - 180 - 195 - N	180	195	10,0	14,0	10,0	1,4
W5 - 200 - 220 - N	200	220	12,0	16,0	12,0	1,8
W5 - 220 - 240 - N	220	240	12,0	16,0	12,0	1,8

Further dimension and in-between sizes upon request.