



Max. Operating Conditions *	
Temperature (°C)	- 30 / + 110 / + 200
Speed (m/s)	≤ 15 (2)**
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 $\mu\text{m}$	≤ 16 $\mu\text{m}$
Groove flanks	≤ 1,6 $\mu\text{m}$	≤ 16 $\mu\text{m}$
Running surface	≤ 0,3 $\mu\text{m}$	≤ 3 $\mu\text{m}$

Material	
PTFE-bronze / -carbon / glass fiber (+MoS <sub>2</sub> )	PB/PK/PG(M)
PTFE-compound turquoise	PT
PTFE-Econol	PEK
Polyurethane	PU **

**Technical Description**

The wiper/scraper ring **W8** is a double lipped wiper consisting of a wiping element preset by an elastomer ring.

The PTFE material stands out for excellent sliding characteristics, low attrition rate as well as high extrusion resistance.

The thermal and chemical stability of the PTFE material allow for the use in a wide range of applications.

The wiper/scraper ring **W8** is also available in polyurethane with a hardness of app. 72° shore D. It is appropriate for exceptionally rough duty applications to wipe off even strongly adherent dirt.

The standard material of the **W8** is PTFE + bronze with an O-ring in NBR 70 shore A.

**\*Max. operating conditions:**

Field of application and service conditions are decisive for the selection of the PTFE-compounds, respectively the material qualities. Temperature range and chemical stability depending on chosen O-ring material.

Type designation	∅ d	∅ D	L	∅ D <sub>1</sub>	O-ring
W8 - 10 - PB	10	14,8	3,7	11,5	013
W8 - 20 - PB	20	26,8	5,0	21,5	118
W8 - 22 - PB	22	28,8	5,0	23,5	120
W8 - 25 - PB	25	31,8	5,0	26,5	122
W8 - 28 - PB	28	34,8	5,0	29,5	123
W8 - 30 - PB	30	36,8	5,0	31,5	125
W8 - 32 - PB	32	38,8	5,0	33,5	125
W8 - 35 - PB	35	41,8	5,0	36,5	128
W8 - 36 - PB	36	42,8	5,0	37,5	129
W8 - 38 - PB	38	44,8	5,0	39,5	130
W8 - 40 - PB	40	46,8	5,0	41,5	131
W8 - 42 - PB	42	48,8	5,0	43,5	132
W8 - 45 - PB	45	51,8	5,0	46,5	134
W8 - 48 - PB	48	54,8	5,0	49,5	136
W8 - 50 - PB	50	56,8	5,0	51,5	137
W8 - 52 - PB	52	58,8	5,0	53,5	138
W8 - 55 - PB	55	61,8	5,0	56,5	141
W8 - 56 - PB	56	62,8	5,0	57,5	142
W8 - 60 - PB	60	66,8	5,0	61,5	143
W8 - 63 - PB	63	69,8	5,0	64,5	146
W8 - 65 - PB	65	73,8	6,0	66,5	231
W8 - 70 - PB	70	78,8	6,0	71,5	233
W8 - 75 - PB	75	83,8	6,0	76,5	235
W8 - 80 - PB	80	88,5	6,0	81,5	236
W8 - 85 - PB	85	93,8	6,0	86,5	238
W8 - 90 - PB	90	98,8	6,0	91,5	239

Wiper/Scrapper ring Type

Dimension

Material/Type

**Ordering example:**    **Wiper/Scrapper Ring**            ∅ d 70 x 78,8 x 6,0            **PTFE-bronze**

**Order designation:**    **W8 -            70 x 78,8 x 6,0            - PB**

**Designation of material:**

(Standard O-ring: NBR, Viton,  
EPDM, Silicone möglich)

- PB** - PTFE-bronze
- PK** - PTFE-carbon
- PG(M)** - PTFE-glass fiber (+MoS<sub>2</sub>)
- PU** - Polyurethane
- PT** - PTFE compound turquoise
- PEK** - PTFE-Econol

Type designation	∅ d	∅ D	L	∅ D <sub>1</sub>	O-ring
W8 - 95 - PB	95	103,8	6,0	96,5	241
W8 - 100 - PB	100	108,8	6,0	101,5	243
W8 - 105 - PB	105	113,8	6,0	106,5	244
W8 - 110 - PB	110	118,8	6,0	111,5	246
W8 - 115 - PB	115	123,8	6,0	116,5	247
W8 - 120 - PB	120	128,8	6,0	121,5	249
W8 - 125 - PB	125	133,8	6,0	126,5	251
W8 - 130 - PB	130	138,8	6,0	131,5	252
W8 - 135 - PB	135	143,8	6,0	136,5	254
W8 - 140 - PB	140	148,8	6,0	141,5	255
W8 - 150 - PB	150	158,8	6,0	151,5	258
W8 - 155 - PB	155	163,8	6,0	156,5	259
W8 - 160 - PB	160	168,8	6,0	161,5	260
W8 - 170 - PB	170	178,8	6,0	171,5	261
W8 - 175 - PB	175	183,8	6,0	176,5	262
W8 - 180 - PB	180	188,8	6,0	181,5	263
W8 - 190 - PB	190	198,8	6,0	191,5	264
W8 - 200 - PB	200	208,8	6,0	201,5	266
W8 - 210 - PB	210	218,8	6,0	211,5	268
W8 - 220 - PB	220	228,8	6,0	221,5	269
W8 - 230 - PB	230	238,8	6,0	231,5	271
W8 - 240 - PB	240	248,8	6,0	241,5	272
W8 - 250 - PB	250	258,8	6,0	251,5	274
W8 - 260 - PB	260	272,2	8,4	262,0	378
W8 - 270 - PB	270	282,2	8,4	272,0	378
W8 - 280 - PB	280	292,2	8,4	282,0	379
W8 - 290 - PB	290	302,2	8,4	292,0	380
W8 - 300 - PB	300	312,2	8,4	302,0	381

Further dimension and in-between sizes upon request.