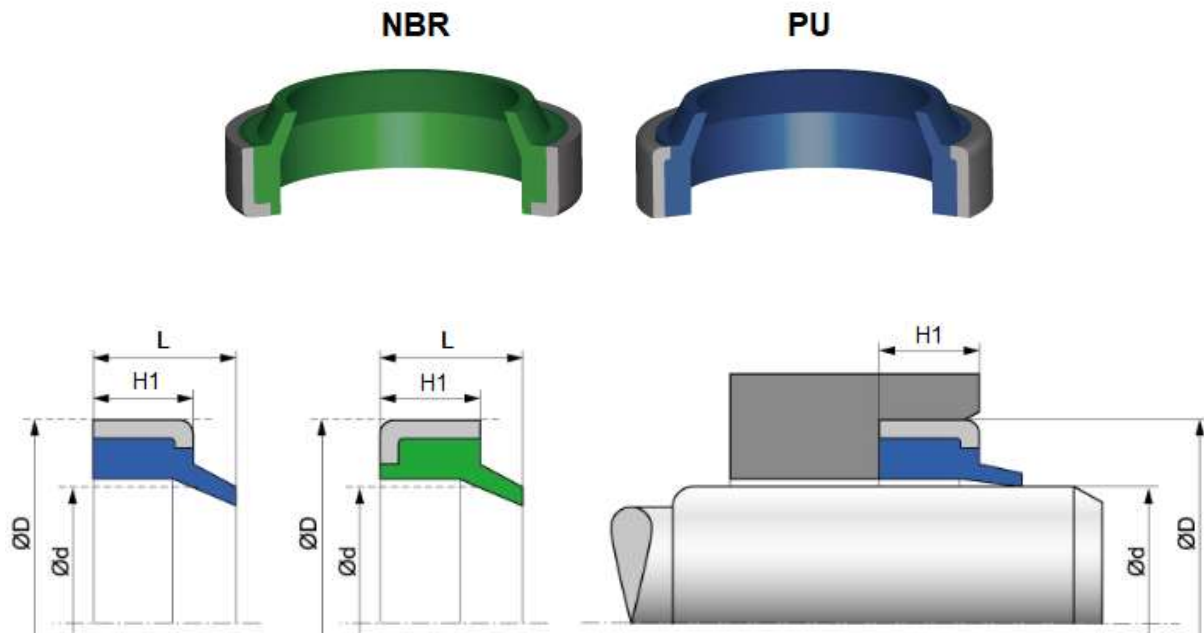




# uszczelnienia techniczne

## Wipers ZZ



### Description:

Z-type scraper ring for scraping external dirt from reciprocating elements. Metal stiffening requires interference fit in the housing. Use in hydraulic drives and control.

### Material:

- NBR (acrylonitrile butadiene rubber), -30°C ÷ +100°C
- PU (polyurethane), -30°C ÷ +100°C

### Working speed:

- ≤ 1,0 m/s

Article	Gasket material	Working temperature	Shore's hardness	Shaft diameter Ød [mm]	Outer diameter ØD [mm]	Height H1 [mm]	External height L [mm]
ZZ10x16x5/7N	NBR	-30...100°C	88	10	16	5	7
ZZ12x18x3.5/5N	NBR	-30...100°C	70	12	18	3,5	5
ZZ12x18x5/7N	NBR	-30...100°C	88	12	18	5	7
ZZ12x20x4/6N	NBR	-30...100°C	88	12	20	4	6
ZZ12x20x5/7N	NBR	-30...100°C	70	12	20	5	7
ZZ12x22x5/7N	NBR	-30...100°C	88	12	22	5	7
ZZ14x20x5/7N	NBR	-30...100°C	88	14	20	5	7
ZZ14x22x3/4N	NBR	-30...100°C	70	14	22	3	4
ZZ16x22x3/4.5N	NBR	-30...100°C	70	16	22	3	4,5
ZZ16x22x4/6N	NBR	-30...100°C	70	16	22	4	6
ZZ16x22x5/7N	NBR	-30...100°C	88	16	22	5	7
ZZ16x24x5/7N	NBR	-30...100°C	70	16	24	5	7
ZZ18x24x5/7N	NBR	-30...100°C	88	18	24	5	7
ZZ18x28x5/7N	NBR	-30...100°C	88	18	28	5	7
ZZ20x28x5/7N	NBR	-30...100°C	88	20	28	5	7
ZZ20x30x4/6N	NBR	-30...100°C	70	20	30	4	6
ZZ20x30x5/7N	NBR	-30...100°C	90	20	30	5	7
ZZ20x35x5/7N	NBR	-30...100°C	88	20	35	5	7



# uszczelnienia techniczne

Article	Gasket material	Working temperature	Shore's hardness	Shaft diameter Φd [mm]	Outer diameter ΦD [mm]	Height H1 [mm]	External height L [mm]
ZZ22x28x5/8N	NBR	-30...100°C	90	22	28	5	8
ZZ22x30x5/8N	NBR	-30...100°C	70	22	30	5	8
ZZ22x32x5/7N	NBR	-30...100°C	88	22	32	5	7
ZZ22x32x5/8N	NBR	-30...100°C	70	22	32	5	8
ZZ22x32x7/10N	NBR	-30...100°C	70	22	32	7	10
ZZ25x32x5/7N	NBR	-30...100°C	70	25	32	5	7
ZZ25x33x5/7N	NBR	-30...100°C	90	25	33	5	7
ZZ25x35x5/7N	NBR	-30...100°C	70	25	35	5	7
ZZ25x35x7/10N	NBR	-30...100°C	70	25	35	7	10
ZZ28x36x5/7N	NBR	-30...100°C	70	28	36	5	7
ZZ28x38x7/10N	NBR	-30...100°C	88	28	38	7	10
ZZ30x40x5/7N	NBR	-30...100°C	70	30	40	5	7
ZZ30x40x7/10N	NBR	-30...100°C	70	30	40	7	10
ZZ30x42x7/10N	NBR	-30...100°C	70	30	42	7	10
ZZ32x40x5/7N	NBR	-30...100°C	70	32	40	5	7
ZZ32x40x7/10N	NBR	-30...100°C	88	32	40	7	10
ZZ32x42x5/7N	NBR	-30...100°C	88	32	42	5	7
ZZ32x45x5/7N	NBR	-30...100°C	90	32	45	5	7
ZZ32x45x5/8N	NBR	-30...100°C	88	32	45	5	8
ZZ32x45x7/10N	NBR	-30...100°C	70	32	45	7	10
ZZ35x45x5/7N	NBR	-30...100°C	90	35	45	5	7
ZZ35x45x7/10N	NBR	-30...100°C	70	35	45	7	10
ZZ36x44x5/7N	NBR	-30...100°C	70	36	44	5	7
ZZ36x45x7/10N	NBR	-30...100°C	90	36	45	7	10
ZZ36x46x5/7N	NBR	-30...100°C	70	36	46	5	7
ZZ37x47x5/8N	NBR	-30...100°C	90	37	47	5	8
ZZ38x48x7/10N	NBR	-30...100°C	70	38	48	7	10
ZZ40x48x5/7N	NBR	-30...100°C	90	40	48	5	7
ZZ40x50x5/7N	NBR	-30...100°C	70	40	50	5	7
ZZ40x50x5/8N	NBR	-30...100°C	88	40	50	5	8
ZZ40x50x7/10N	NBR	-30...100°C	90	40	50	7	10
ZZ40x52x5/8N	NBR	-30...100°C	90	40	52	5	8
ZZ42x52x7/10N	NBR	-30...100°C	90	42	52	7	10
ZZ45x53x5/7N	NBR	-30...100°C	70	45	53	5	7
ZZ45x55x5/7N	NBR	-30...100°C	90	45	55	5	7
ZZ45x55x7/10N	NBR	-30...100°C	70	45	55	7	10
ZZ45x56x5/7N	NBR	-30...100°C	70	45	56	5	7
ZZ45x57x7/10N	NBR	-30...100°C	70	45	57	7	10
ZZ45x60x7/10N	NBR	-30...100°C	90	45	60	7	10
ZZ50x56x5/7N	NBR	-30...100°C	70	50	56	5	7
ZZ50x58x5/7N	NBR	-30...100°C	88	50	58	5	7
ZZ50x60x7/10N	NBR	-30...100°C	70	50	60	7	10
ZZ55x63x5/7N	NBR	-30...100°C	90	55	63	5	7
ZZ55x63x7/10N	NBR	-30...100°C	90	55	63	7	10
ZZ55x65x5/7N	NBR	-30...100°C	70	55	65	5	7
ZZ55x65x7/10N	NBR	-30...100°C	70	55	65	7	10
ZZ55x80x5/8N	NBR	-30...100°C	90	55	80	5	8
ZZ56x64x5/7N	NBR	-30...100°C	88	56	64	5	7
ZZ56x65x5/7N	NBR	-30...100°C	70	56	65	5	7
ZZ56x66x5/7N	NBR	-30...100°C	88	56	66	5	7
ZZ56x68x5/7N	NBR	-30...100°C	90	56	68	5	7
ZZ57x68x5/7N	NBR	-30...100°C	90	57	68	5	7
ZZ60x68x5/7N	NBR	-30...100°C	90	60	68	5	7
ZZ60x70x5/7N	NBR	-30...100°C	70	60	70	5	7
ZZ60x74x5/8N	NBR	-30...100°C	90	60	74	5	8
ZZ63x71x5/7N	NBR	-30...100°C	88	63	71	5	7
ZZ63x73x5/7N	NBR	-30...100°C	70	63	73	5	7
ZZ63x75x7/10N	NBR	-30...100°C	70	63	75	7	10
ZZ65x75x5/7N	NBR	-30...100°C	88	65	75	5	7
ZZ65x75x7/10N	NBR	-30...100°C	90	65	75	7	10
ZZ70x78x5/7N	NBR	-30...100°C	70	70	78	5	7
ZZ70x80x5/7N	NBR	-30...100°C	90	70	80	5	7
ZZ70x80x7/10N	NBR	-30...100°C	70	70	80	7	10
ZZ75x83x5/7N	NBR	-30...100°C	90	75	83	5	7
ZZ75x85x7/10N	NBR	-30...100°C	70	75	85	7	10
ZZ80x88x5/7N	NBR	-30...100°C	88	80	88	5	7
ZZ80x90x7/10N	NBR	-30...100°C	70	80	90	7	10



# uszczelnienia techniczne

Article	Gasket material	Working temperature	Shore's hardness	Shaft diameter $\Phi d$ [mm]	Outer diameter $\Phi D$ [mm]	Height H1 [mm]	External height L [mm]
ZZ80x95x5/7N	NBR	-30...100°C	88	80	95	5	7
ZZ84x95x5/7N	NBR	-30...100°C	88	84	95	5	7
ZZ90x100x7/10N	NBR	-30...100°C	70	90	100	7	10
ZZ95x105x7/10N	NBR	-30...100°C	70	95	105	7	10
ZZ100x108x7/10N	NBR	-30...100°C	88	100	108	7	10
ZZ100x110x7/10N	NBR	-30...100°C	70	100	110	7	10
ZZ105x115x7/10N	NBR	-30...100°C	70	105	115	7	10
ZZ110x120x7/10N	NBR	-30...100°C	70	110	120	7	10
ZZ110x122x7/10N	NBR	-30...100°C	88	110	122	7	10
ZZ115x125x7/10N	NBR	-30...100°C	70	115	125	7	10
ZZ120x130x7/10N	NBR	-30...100°C	70	120	130	7	10
ZZ125x137x7/10N	NBR	-30...100°C	88	125	137	7	10
ZZ125x140x7/10N	NBR	-30...100°C	88	125	140	7	10
ZZ125x140x9/12P	PU	-30...100°C	70	125	140	9	12
ZZ140x150x7/10N	NBR	-30...100°C	70	140	150	7	10
ZZ140x152x7/10N	NBR	-30...100°C	88	140	152	7	10
ZZ140x155x9/12N	NBR	-30...100°C	70	140	155	9	12
ZZ145x160x9/12N	NBR	-30...100°C	70	145	160	9	12
ZZ150x165x9/12N	NBR	-30...100°C	70	150	165	9	12
ZZ160x175x9/12N	NBR	-30...100°C	88	160	175	9	12
ZZ170x185x10/14N	NBR	-30...100°C	70	170	185	10	14

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