



Zurcon® Rimseal **RR** is an elastomer energised seal element. The changes in seal position in the groove, necessary for optimum sealing function, are guaranteed by the combination of the two parts: the O-Ring and seal ring. In order to achieve a contact force increasing sealing effect with increasing pressure, the seal has a chamfer on the low pressure side which causes the seal to tilt slightly so that the seal ring is forced against the side of the groove. This creates an area of maximum pressure at the edge of the seal.

RR is preferably used as secondary seal in tandem sealing systems in conjunction with Turcon® Stepseal® 2K.

Operating conditions

Pressure	≤ 25 MPa
in tandem with RSK or RSV	≤ 60 MPa
Temperature	-30°C to 100°C
Speed	≤ 0,5 m/s
in tandem with RSK or RSV	≤ 5 m/s

Materials

Energising element ①	NBR 70 Sh A
Dynamic sealing element ②	Zurcon® Z54

Assembly

O-ring and PU-ring may easily be mounted into the grooved housings (above 12 mm)

As the secondary seal in tandem with a **RSK** PTFE seal as primary seal

Advantages

- High static and dynamic sealing effect
- Low friction for reduced power loss
- High wear resistance for long service life
- Small groove and easy installation

Please contact us for applications approaching maximum values.

d (mm)			L (mm)	D (mm)	r (mm)	e (mm)		O-ring C/S ①
RR13 Standard serie	RR15 Light serie	RR11 Heavy serie				10 MPa	20 MPa	
8 → 18,9	19 → 37,9		3,2	d + 7,3	0,6	≤ 0,4	≤ 0,25	2,62
19 → 37,9	38 → 199,9	8 → 18,9	4,2	d + 10,7	1,0	≤ 0,4	≤ 0,25	3,53
38 → 199,9	200 → 255,9	19 → 37,9	6,3	d + 15,1	1,3	≤ 0,5	≤ 0,3	5,33
200 → 255,9	256 → 649,9	38 → 199,9	8,1	d + 20,5	1,8	≤ 0,6	≤ 0,35	6,99
256 → 649,9	650 → 999,9	200 → 255,9	8,1	d + 24	1,8	≤ 0,6	≤ 0,35	6,99
650 → 999,9	1000 → 2000	256 → 649,9	9,5	d + 27,3	2,5	≤ 0,7	≤ 0,5	8,4
1000 → 2000		650 → 999,9	13,8	d + 38	3	≤ 1	≤ 0,7	12

d	D	L	Reference
10	17,3	3,2	RR1300100-Z54N
16	23,3	3,2	RR1300160-Z54N
18	25,3	3,2	RR1300180-Z54N
20	27,3	3,2	RR1500200-Z54N
20	30,7	4,2	RR1300200-Z54N
22	29,3	3,2	RR1500220-Z54N
22	32,7	4,2	RR1300220-Z54N
25	32,3	3,2	RR1500250-Z54N
25	35,7	4,2	RR1300250-Z54N
28	35,3	3,2	RR1500280-Z54N
28	38,7	4,2	RR1300280-Z54N
30	37,7	3,2	RR1500300-Z54N
30	40,7	4,2	RR1300300-Z54N
32	42,7	4,2	RR1300320-Z54N
35	45,7	4,2	RR1300350-Z54N
36	46,7	4,2	RR1300360-Z54N
40	50,7	4,2	RR1500400-Z54N
40	55,1	6,3	RR1300400-Z54N
45	55,7	4,2	RR1500450-Z54N
45	60,1	6,3	RR1300450-Z54N
50	60,7	4,2	RR1500500-Z54N
50	65,1	6,3	RR1300500-Z54N
55	70,1	6,3	RR1300550-Z54N
56	71,1	6,3	RR1300560-Z54N
60	70,7	4,2	RR1500600-Z54N
60	75,1	6,3	RR1300600-Z54N
63	78,1	6,3	RR1300630-Z54N
65	80,1	6,3	RR1300650-Z54N
70	80,7	4,2	RR1500700-Z54N
70	85,1	6,3	RR1300700-Z54N
75	90,1	6,3	RR1300750-Z54N
80	90,7	4,2	RR1500800-Z54N
80	95,1	6,3	RR1300800-Z54N
85	100,1	6,3	RR1300850-Z54N
90	105,1	6,3	RR1300900-Z54N
95	110,1	6,3	RR1300950-Z54N
100	115,1	6,3	RR1301000-Z54N
105	120,1	6,3	RR1301050-Z54N
110	125,1	6,3	RR1301100-Z54N

d	D	L	Reference
115	130,1	6,3	RR1301150-Z54N
120	135,1	6,3	RR1301200-Z54N
125	140,1	6,3	RR1301250-Z54N
130	145,1	6,3	RR1301300-Z54N
135	150,1	6,3	RR1301350-Z54N
140	155,1	6,3	RR1301400-Z54N
144	159,1	6,3	RR1301440-Z54N
150	165,1	6,3	RR1301500-Z54N
160	175,1	6,3	RR1301600-Z54N
163	178,1	6,3	RR1301630-Z54N
165	180,1	6,3	RR1301650-Z54N
170	185,1	6,3	RR1301700-Z54N
173	188,1	6,3	RR1301730-Z54N
180	195,1	6,3	RR1301800-Z54N
183	198,1	6,3	RR1301830-Z54N
190	205,1	6,3	RR1301900-Z54N
200	220,5	8,1	RR1302000-Z54N
210	230,5	8,1	RR1302100-Z54N
220	240,5	8,1	RR1302200-Z54N
230	250,5	8,1	RR1302300-Z54N
240	260,5	8,1	RR1302400-Z54N
250	270,5	8,1	RR1302500-Z54N
260	284	8,1	RR1302600-Z54N
265	299	8,1	RR1302650-Z54N
275	299	8,1	RR1302750-Z54N
280	304	8,1	RR1302800-Z54N
300	324	8,1	RR1303000-Z54N
310	334	8,1	RR1303100-Z54N
320	344	8,1	RR1303200-Z54N
330	354	8,1	RR1303300-Z54N
340	364	8,1	RR1303400-Z54N
350	374	8,1	RR1303500-Z54N
360	384	8,1	RR1303600-Z54N
380	404	8,1	RR1303800-Z54N
400	424	8,1	RR1304000-Z54N
420	444	8,1	RR1304200-Z54N