

SU U-ring is a single-acting rod seal with an asymmetrical design. Due to the geometry and material, this seal is exceptionally well-suited for shock pressure peaks and **low friction** in the low pressure range.

Operating conditions

Pressure	≤ 40 MPa
Temperature	-30°C to 100°C
Speed	≤ 0,5 m/s

Materials

Seal	Polyurethane
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Assembly

- In closed grooves (A)
- In open grooves (B)

Advantages

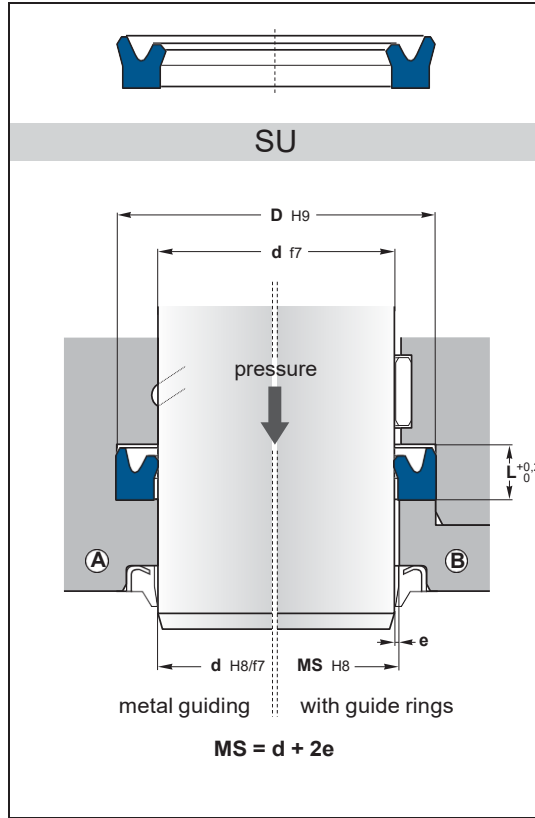
- Low friction in the low pressure range
- Excellent abrasion resistance
- Good price-performance ratio
- Simple assembly
- Good resistance to clearance extrusion
- Can be installed as single seal or as secondary seal
- Unaffected by high loads and deflections of the rod

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Pressure (MPa)	e (mm)	
	d ≤ 60 mm	d > 60 mm
5	≤ 0,4	≤ 0,5
10	≤ 0,3	≤ 0,4
20	≤ 0,2	≤ 0,3
30	≤ 0,15	≤ 0,2
40	≤ 0,1	≤ 0,15

d	D	L	Reference
8	16	6,3	SU-0816
	18	9	SU-0818-1
10	18	6,3	SU-1018
	20	8	SU-1020
12	17	4	SU-1217
	20	5,5	SU-1220-1
	20	6,3	SU-1220
	22	8	SU-1222
14	22	6,3	SU-1422
	24	8	SU-1424
15	22	5,1	SU-1522
	23	6,3	SU-1523-1
	25	9	SU-1525-1
16	20,6	3,6	SU-1621
	22	6	SU-1622
	24	6,3	SU-1624
	26	8	SU-1626
18	24	5,2	SU-1824
	24	6	SU-1824-1
	25	5,5	SU-1825
	26	6,3	SU-1826-1
	26	9	SU-1826
	28	8	SU-1828
20	26	4,7	SU-2026
	26	5,5	SU-2026-1
22	28	6,3	SU-2028
	28	7	SU-2028-1
	28	8	SU-2028-2
	30	8	SU-2030
	30	9	SU-2030-2
	35	11	SU-2035
	30	6,3	SU-2230-1
	32	8	SU-2232-1
24	30	5	SU-2430
	34	8	SU-2434

d	D	L	Reference
25	32	7	SU-2532
	33	5,7	SU-2533-4
	33	6,4	SU-2533
30	33	7	SU-2533-3
	33	8	SU-2533-1
	35	11	SU-2533-2
	35	7	SU-2535-3
32	35	8	SU-2535
	35	9	SU-2535-2
	38	9,5	SU-2538
	38	10	SU-2538-1
	40	11	SU-2540
	43	12,5	SU-2843
28	36	6,3	SU-2836
	36	11	SU-2836-1
	38	7	SU-2838-3
30	38	8	SU-2838
	38	9	SU-2838-1
	38	11	SU-2838-2
	40	9,5	SU-2840
	40	11	SU-2840-2
	43	12,5	SU-2843
32	38	6,3	SU-3038
	38	9	SU-3038-1
	40	6,3	SU-3040-3
	40	8	SU-3040
33	40	11	SU-3040-1
	43	10	SU-3043
	45	9	SU-3045-1
	40	6,3	SU-3240-1
34	40	9	SU-3240
	42	7	SU-3242-3
	42	8	SU-3242
	42	11	SU-3242-1
35	45	11	SU-3245
	47	11	SU-3247-1
36	43	11	SU-3343-1
	43	11	SU-3343-1
37	50	13	SU-3450
	50	13	SU-3450



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Materials

Seal	Polyurethane
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Assembly

- In closed grooves [Ⓐ]
- In open grooves [Ⓑ]

Advantages

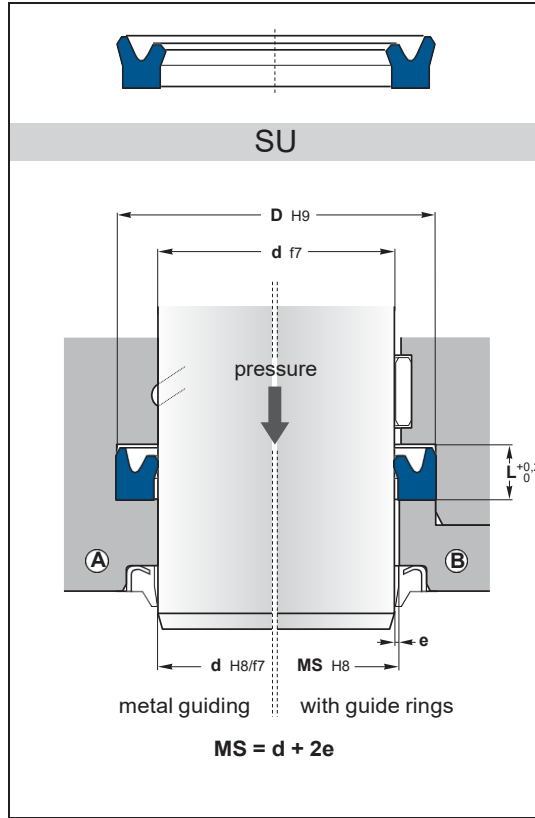
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35	43	6,3	SU-3543
	43	9	SU-3543-1
	45	7	SU-3545-3
	45	8	SU-3545
	45	11	SU-3545-1
	46	9	SU-3546
	47	9	SU-3547
	50	11	SU-3550
	50	13	SU-3550-1
36	44	6,3	SU-3644-1
	44	9	SU-3644
	46	8	SU-3646
	46	11	SU-3646-1
	48	8	SU-3648-1
	48	9	SU-3648
	48	11	SU-3648-2
	51	11	SU-3651
	51	12,5	SU-3651-1
37	45	6,3	SU-3745
	47	9	SU-3747
38	44	5,3	SU-3844
	45	5,5	SU-3845
	45	7	SU-3845-1
	48	8	SU-3848
39	50	11	SU-3950
40	48	6,3	SU-4048
	48	9	SU-4048-1
	50	7	SU-4050-4
	50	8	SU-4050-2
40	50	10	SU-4050
	50	11	SU-4050-1
	52	9	SU-4052
	55	10	SU-4055-2
	55	11	SU-4055
	55	12,5	SU-4055-1
	56	13	SU-4056-1
	60	13	SU-4060
42	50	6,3	SU-4250-1
	50	7	SU-4250

d	D	L	Reference
44	52	6,3	SU-4452
45	53	6,3	SU-4553
	53	9	SU-4553-3
	53	11	SU-4553-2
	53	13	SU-4553-1
	55	6,3	SU-4555-3
	55	7	SU-4555-2
	55	8	SU-4555-1
	55	11	SU-4555
	58	10	SU-4558-1
	60	10	SU-4560-3
	60	11	SU-4560
	60	12,5	SU-4560-1
	65	13	SU-4565
46	56	8	SU-4656
50	58	9	SU-5058
	60	7	SU-5060-3
	60	8	SU-5060-1
	60	11	SU-5060
	60	13	SU-5060-2
	63	11	SU-5063-1
	65	10	SU-5065-2
	65	11	SU-5065-1
	65	12,5	SU-5065
	68	10	SU-5068-1
	70	13	SU-5070
52	62	11	SU-5262
55	63	8	SU-5563
	63	13	SU-5563-1
	65	7	SU-5565-4
	65	8	SU-5565
	65	11	SU-5565-1
	65	13	SU-5565-2
	67	11	SU-5567-1
	68	11	SU-5568
	70	10	SU-5570-2
	70	11	SU-5570
	70	13	SU-5570-1
	75	13	SU-5575



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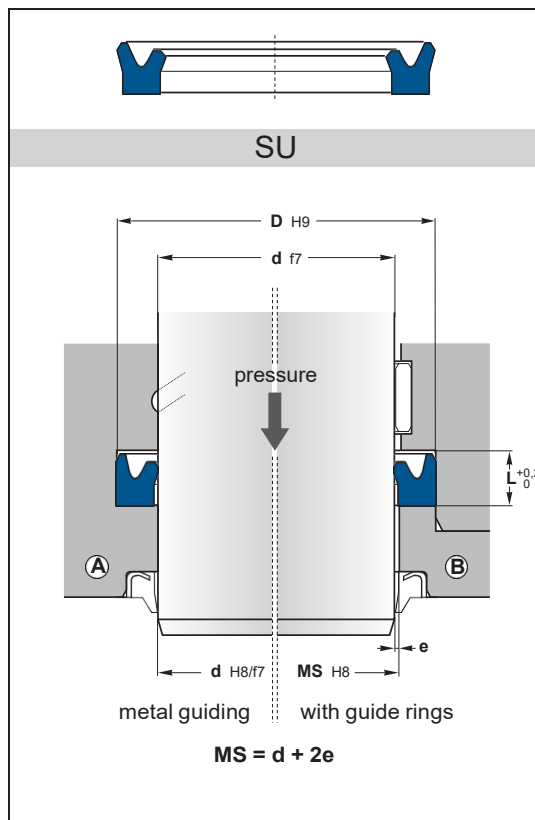
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56	66	7	SU-5666-1
	66	8	SU-5666-2
	66	9	SU-5666-3
	66	11	SU-5666
	71	11	SU-5671
	71	12,5	SU-5671-1
	76	13	SU-5676
	76	16	SU-5676-2
60	68	9	SU-6068
	70	7	SU-6070-3
	70	8	SU-6070-1
	70	11	SU-6070
	70	15	SU-6070/S
	72	9	SU-6072
	72	10	SU-6072-1
	72	11	SU-6072-2
	73	11	SU-6073
	75	10	SU-6075-2
	75	11	SU-6075
	75	13	SU-6075-1
	76	11	SU-6076
	80	14,5	SU-6080-1
63	73	9,6	SU-6373-2
	73	13	SU-6373
	75	9,6	SU-6375
	75	13	SU-6375-1
	78	11	SU-6378-1
	78	12,5	SU-6378
	83	16	SU-6383-2
65	75	7	SU-6575-5
	75	9	SU-6575-4
	75	11	SU-6575-3
	75	13	SU-6575-1
	77	10	SU-6577-1
	78	11	SU-6578
	80	10	SU-6580-2
	80	11	SU-6580
	80	13	SU-6580-1
	85	13	SU-6585

d	D	L	Reference
70	80	6	SU-7080-4
	80	7	SU-7080-3
	80	8	SU-7080-2
	80	11	SU-7080-1
	80	13	SU-7080
	82	9,6	SU-7082
	83	11	SU-7083
	85	10	SU-7085-2
	85	11	SU-7085-1
	85	12,5	SU-7085
	90	16	SU-7090-2
71	81	7	SU-7181
75	85	7	SU-7585-2
	85	8	SU-7585
	85	13	SU-7585-1
	87	9,6	SU-7587
	88	11	SU-7588
	90	10	SU-7590-2
	90	11	SU-7590-1
	90	13	SU-7590
	95	13	SU-7595
78	88	15	SU-7888/S
80	90	7	SU-8090-3
	90	8	SU-8090
	90	13	SU-8090-2
	92	9,6	SU-8092
	93	11	SU-8093
	95	10	SU-8095-3
	95	11	SU-8095-2
	95	12,5	SU-8095-1
	95	12,5	SU-8095-1
	95	13	SU-8095
	100	13	SU-80100
	100	16	SU-80100-2
85	95	8	SU-8595
	97	9,6	SU-8597
	100	10	SU-85100-5
	100	11	SU-85100-4
	100	12	SU-85100-1
	100	13	SU-85100
	105	13	SU-85105



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d	D	L	Reference
90	100	12,5	SU-90100-1
	102	9,6	SU-90102
	105	9,5	SU-90105-2
	105	11	SU-90105-5
	105	12,5	SU-90105-3
	105	13	SU-90105
	110	13	SU-90110
	110	16	SU-90110-1
95	105	11	SU-95105-1
	110	10	SU-95110-1
	110	11	SU-95110
	115	13	SU-95115
99	109	15	SU-99109
100	110	15	SU-100110-1
	115	10	SU-100115-3
	115	11	SU-100115-1
	115	11,5	SU-100115-2
	115	13	SU-100115
	120	13	SU-100120
	120	16	SU-100120-2
	125	20	SU-100125
105	115	11	SU-105115-1
	120	11	SU-105120
	125	13	SU-105125
110	125	11	SU-110125-2
	125	12	SU-110125-1
	125	16	SU-110125
	130	13	SU-110130
	130	16	SU-110130-1
115	130	12	SU-115130-1
	135	13	SU-115135
120	130	8	SU-120130-1
	130	12,5	SU-120130-2
	130	15	SU-120130
	135	12,5	SU-120135-1
	140	13	SU-120140
	140	16	SU-120140-1

d	D	L	Reference
125	135	14	SU-125135
	145	13	SU-125145
	145	16	SU-125145-1
	150	15	SU-125150
130	145	15	SU-130145-2
	150	13	SU-130150
	150	16	SU-130150-1
140	150	12,5	SU-140150-1
	160	16	SU-140160-2
141	151	15	SU-141151
150	170	14,5	SU-150170-1
	170	16	SU-150170-2
	170	17	SU-150170-3
160	180	13	SU-160180
	180	16	SU-160180-1
	185	20	SU-160185
162	172	15	SU-162172
170	190	16	SU-170190-1
180	200	16	SU-180200-1
183	193	15	SU-183193/S
190	210	16	SU-190210-1
200	220	13	SU-200220
	220	16	SU-200220-1
207	217	15	SU-207217
210	230	16	SU-210230-2
220	240	16	SU-220240-1
240	260	16	SU-240260-1
	270	19	SU-240270
250	270	16	SU-250270-1