



STDS compact rod seals can be used for rod applications thanks to their sealing lip design.

The compact form and a second lip provide a high sealing effect even at low pressures.

The integrated back-up ring of STDS provides an attractive solution to larger extrusion gaps and high pressure peaks.

Operating conditions

Pressure	≤ 50 MPa
Temperature	-30°C to 100°C
Speed	≤ 0,5 m/s

Materials

Seal ①	Polyurethane
Anti-extrusion ring ②	Acetal resin (POM)

Assembly

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

Advantages

- Excellent abrasion resistance
- Efficient sealing at low and high pressures
- Suitable for telescopic cylinders
- Suitable for small grooves
- Unaffected by sudden loads
- Do not use with double acting wipers
- The integrated anti-extrusion ring prevents the seal material from extrusion at higher pressure

Please contact us for applications approaching maximum values.

Pressure (MPa)	e (mm)	
	d ≤ 60 mm	d > 60 mm
5	≤ 0,6	≤ 0,8
10	≤ 0,6	≤ 0,8
20	≤ 0,4	≤ 0,6
30	≤ 0,3	≤ 0,4
40	≤ 0,2	≤ 0,3
50	≤ 0,1	≤ 0,15

d	D	L	Reference
40	48	9	STDS-4048
	50	11	STDS-4050-1
	52	11	STDS-4052
	55	11	STDS-4055-1
45	53	10,5	STDS-4553-4
	55	11	STDS-4555-1
	60	11	STDS-4560
	65	11	STDS-4565-1
50	60	11	STDS-5060-1
	65	11	STDS-5065
55	65	11	STDS-5565-1
56	71	12,5	STDS-5671
60	70	13,5	STDS-6070-4
	75	13	STDS-6075
	80	13	STDS-6080
63	75	13	STDS-6375
	78	12,5	STDS-6378-1
	78	13,5	STDS-6378
	83	13	STDS-6383
	83	14,5	STDS-6383-1
65	75	13	STDS-6575
	80	12,5	STDS-6580
70	85	13	STDS-7085-1
	90	13	STDS-7090
	90	14,5	STDS-7090-1
75	90	13	STDS-7590
	95	14,5	STDS-7595

d	D	L	Reference
80	88	10	STDS-8088
	93	14,5	STDS-8093
	95	12,5	STDS-8095
	95	12,5	STDS-8095
	96	10,5	STDS-8096
90	96	10,5	STDS-8096
	100	12,5	STDS-80100
	100	14,5	STDS-80100-1
95	105	9,5	STDS-90105-2
	105	13	STDS-90105-1
	110	13	STDS-90110
95	115	14,5	STDS-95115
100	110	13,5	STDS-100110
	113	13,5	STDS-100113
	120	14,5	STDS-100120
110	120	14,5	STDS-110120
	125	13	STDS-110125-1
	130	13	STDS-110130
120	135	12,5	STDS-120135-1
	140	12,5	STDS-120140
	140	16	STDS-120140-2
130	145	13	STDS-130145-1
135	150	13	STDS-135150-1
140	155	13	STDS-140155-1