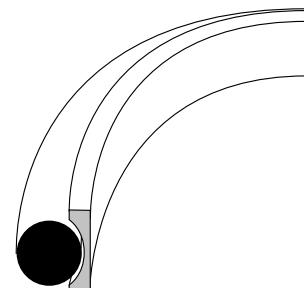


## Rod Seals

SP-11-7401

(Metric Size)

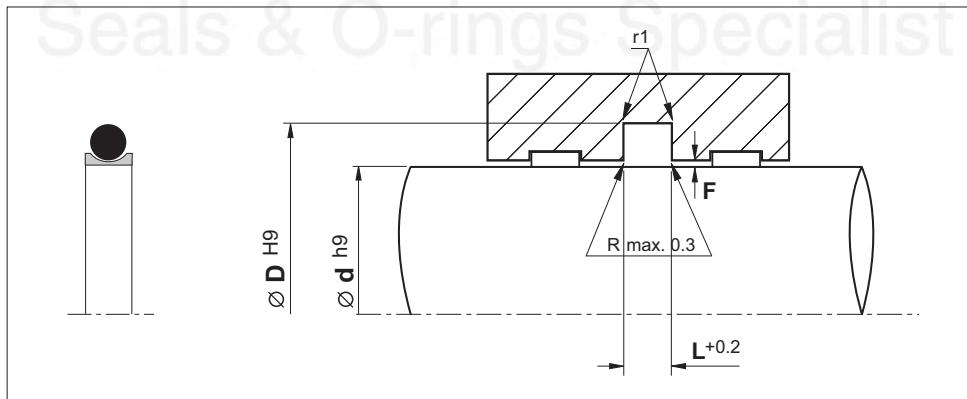


SP-11-7401

Material	Pressure (Bar)	Temp. (°C)	Speed (m/s)
PTFE - O Ring	350	-40 +200	15

- Compact groove dimensions and simple installation.
- Low friction without stick-slip.
- Resistance against wear and extrusion.
- Standard cross section cover as 568 A and metric o-ring.

## Installation Recommendation



Surface roughness	R <sub>a</sub>	R <sub>t</sub>
Sliding surface	≤ 0.3 µm	≤ 4 µm
Surface of housing	≤ 1.8 µm	≤ 10 µm
Sides of housing	≤ 3.0 µm	≤ 16 µm

## PTFE Seal - 7401

### Installation Dimensions

Series No.	Rod Dia.		Groove Dia.	Groove Width.	Radius	Radial Clearance F max.*				O-Ring Cross-Section.
	Standard Range	Extended Range				D	L	r1	20 Bar	
A	4 - 9.9	2 - 129.9	d + 2.9	2.4	0.4	0.10	0.10	0.08	0.05	1.78
B	10 - 19.9	5 - 249.9	d + 4.5	3.6	0.4	0.15	0.15	0.10	0.07	2.62
C	20 - 39.9	5 - 449.9	d + 6.2	4.8	0.6	0.25	0.20	0.15	0.08	3.53
D	40 - 111.9	12 - 649.9	d + 9.4	7.1	0.8	0.35	0.25	0.20	0.10	5.33
E	120 - 649.9	60 - 999.9	d + 12.2	9.5	0.8	0.50	0.30	0.25	0.15	7.00
F	650 - 999.9	110 - 999.9	d + 15.0	10.0	1.0	0.60	0.40	0.30	0.20	8.40

### (Metric Size)

Rod Dia.	Groove Dia.	Groove Width	O-RING No.	Reference (For order processing)
d	D	L		
3.0	5.9	2.4	006	SP-11-7401-0030
4.0	6.9	2.4		SP-11-7401-0040
5.0	7.9	2.4		SP-11-7401-0050
6.0	8.9	2.4		SP-11-7401-0060
8.0	10.9	2.4		SP-11-7401-0080
10.0	14.5	3.6	111	SP-11-7401-0100
12.0	16.5	3.6		SP-11-7401-0120
14.0	18.5	3.6		SP-11-7401-0140
15.0	19.5	3.6		SP-11-7401-0150
16.0	20.5	3.6		SP-11-7401-0160
18.0	22.5	3.6	116	SP-11-7401-0180
20.0	26.2	4.8		SP-11-7401-0200
22.0	28.2	4.8		SP-11-7401-0220
25.0	31.2	4.8		SP-11-7401-0250
28.0	34.2	4.8		SP-11-7401-0280
30.0	36.2	4.8	218	SP-11-7401-0300
32.0	38.2	4.8		SP-11-7401-0320
35.0	41.2	4.8		SP-11-7401-0350
36.0	42.2	4.8		SP-11-7401-0360
40.0	49.4	7.1		SP-11-7401-0400
42.0	51.4	7.1	327	SP-11-7401-0420
45.0	54.4	7.1		SP-11-7401-0450
48.0	57.4	7.1		SP-11-7401-0480
50.0	59.4	7.1		SP-11-7401-0500
52.0	61.4	7.1		SP-11-7401-0520
55.0	64.4	7.1	331	SP-11-7401-0550
56.0	65.4	7.1		SP-11-7401-0560
60.0	69.4	7.1		SP-11-7401-0600
63.0	72.4	7.1		SP-11-7401-0630
65.0	74.4	7.1		SP-11-7401-0650

(Metric Size)

Rod Dia.	Groove Dia.	Groove Width	O-RING No.	Reference
				(For order processing)
d	D	L		
70.0	79.4	7.1	336	SP-11-7401-0700
80.0	89.4	7.1	339	SP-11-7401-0800
85.0	94.4	7.1	340	SP-11-7401-0850
90.0	99.4	7.1	342	SP-11-7401-0900
95.0	104.4	7.1	344	SP-11-7401-0950
100.0	109.4	7.1	345	SP-11-7401-1000
105.0	114.4	7.1	347	SP-11-7401-1050
110.0	119.4	7.1	348	SP-11-7401-1100
115.0	124.4	7.1	350	SP-11-7401-1150
120.0	132.2	9.5	427	SP-11-7401-1200
125.0	137.2	9.5	429	SP-11-7401-1250
130.0	142.2	9.5	431	SP-11-7401-1300
135.0	147.2	9.5	432	SP-11-7401-1350
140.0	152.2	9.5	434	SP-11-7401-1400
150.0	162.2	9.5	437	SP-11-7401-1500
160.0	172.2	9.5	439	SP-11-7401-1600
170.0	182.2	9.5	440	SP-11-7401-1700
180.0	192.2	9.5	442	SP-11-7401-1800
190.0	202.2	9.5	443	SP-11-7401-1900
200.0	212.2	9.5	445	SP-11-7401-2000
210.0	222.2	9.5	446	SP-11-7401-2100
220.0	232.2	9.5	447	SP-11-7401-2200
230.0	242.2	9.5	447	SP-11-7401-2300
240.0	252.2	9.5	448	SP-11-7401-2400
250.0	262.2	9.5	449	SP-11-7401-2500
280.0	292.2	9.5	452	SP-11-7401-2800
300.0	312.2	9.5	453	SP-11-7401-3000
320.0	332.2	9.5	455	SP-11-7401-3200
350.0	362.2	9.5	457	SP-11-7401-3500
360.0	372.2	9.5	458	SP-11-7401-3600

Select the material of seal ring and o-ring from Compounds for Fluid Technology (page 8)

Order No.	SP-11 - 7401 - 0030
Seal ring material code	
Seal profile	
O ring material code	
Rod diameter x 10	