



The rod seal of the **SPM** series is a compact groove ring for the sealing of piston rods and plungers.

The seal is made of NBR fabric with an elastomer element integrated by vulcanization. The fabric reinforcement protects the seals against gap extrusion. Its fine surface structure forms small repositories to store lubricant. The constructive layout of the seal profile results in secure sealing in the low pressure range already.

Operating conditions

Pressure $\leq 25 \text{ MPa}$
 Temperature -30°C to 110°C
 Speed $\leq 0,5 \text{ m/s}$

Materials

NBR with cotton fabric

Assembly

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

Advantages

Efficient sealing at low pressure
 Easy to fit
 Small cross sections
 Good chemical resistance

Please contact us for applications approaching maximum values.

Pressure (MPa)	e (mm)
16	$\leq 0,2$
25	$\leq 0,1$

d	D	L	ISO 5597	Reference
5	12	6,4		SPM-047019
6	13	6,4		SPM-051024
8	15	6,4		SPM-059031
10	17	6,4		SPM-066039
12	19	6,4		SPM-075047
14	22	6,4		SPM-086055
15	23	6,4		SPM-090059
16	24	6,4	●	SPM-094063-1
18	26	6,4	●	SPM-102070-1
20	28	6,4	●	SPM-110078-1
22	30	6,4	●	SPM-118086-1
25	33	6,4		SPM-129098-1
28	36	6,4	●	SPM-141110
30	38	6,4	●	SPM-149118
32	40	6,4	●	SPM-157125-1
35	43	6,4		SPM-169137
36	44	6,4	●	SPM-173141
40	48	6,4	●	SPM-188157
42	50	6,4		SPM-196165
45	55	8	●	SPM-216177
50	60	8	●	SPM-236196

d	D	L	ISO 5597	Reference
55	65	8		SPM-255216-1
56	66	8		SPM-259220
60	70	8		SPM-275236
63	75	9,6		SPM-295248-1
65	77	9,6		SPM-303255
70	82	9,6		SPM-322275-1
75	87	9,6		SPM-342295
80	92	9,6		SPM-362314
85	97	9,6		SPM-381334
90	102	9,6		SPM-401354
100	115	12		SPM-452393-2
110	125	12		SPM-492433
115	130	12		SPM-511452
125	140	12		SPM-551492
140	160	16	●	SPM-629551-2
150	170	16		SPM-669590
160	180	16		SPM-708629-1
180	200	16		SPM-787708-1
200	220	16		SPM-866787-1