

PSP

TENUTA PISTONE PER PNEUMATICA TIPO PSP

Descrizione

La guarnizione tipo PSP è progettata per la tenuta pistone di cilindri pneumatici a semplice e doppio effetto.

La gola molto marcata tra il labbro dinamico e quello statico e la raggiatura dei due labbri di contatto aumentano la scorrevolezza della guarnizione, anche in assenza di lubrificazione.

Le limitate dimensioni e l'alta flessibilità del materiale semplificano il montaggio anche in cava chiusa.

Limiti d'impiego

Pressione: < 20 bar

Velocità: < 1 m/s

Temperatura: da - 40° C a + 90° C

Fluidi: aria con o senza lubrificazione, oli e grassi minerali (v. tabella 3 a p.14)

Materiale

Materiale standard poliuretano a 90 Shore A.

Codice materiale standard: B0

Materiale alternativo poliuretano a 85 Shore A.

Codice materiale alternativo: A0

Montaggio

Eliminare tutti gli spigoli vivi e le bave nella sede del pistone per evitare di compromettere la guarnizione.

Eseguire uno smusso sulla camicia del cilindro (v. p. 245) per facilitare il montaggio.

Si consiglia di lubrificare la guarnizione per rendere il sistema molto scorrevole.

PSP TYPE PISTON SEAL FOR PNEUMATICS

Description

The PSP piston seal has been designed for single and double action pneumatic cylinders.

The deep groove between the dynamic and the static lip, together with back-to-back radius lips, enhance seal sliding, even where there is a lack of environmental lubrication.

The reduced dimensions, together with the high flexibility of the material, also facilitates installation in closed grooves.

Technical data

Pressure: < 20 bar

Speed: < 1 m/s

Temperature: from - 40° C up to + 90° C

Fluids: air with or without lubrication, mineral oils or grease
(see table 3, page 14)

Material

Standard polyurethane 90 Shore A.

Standard compound reference: B0

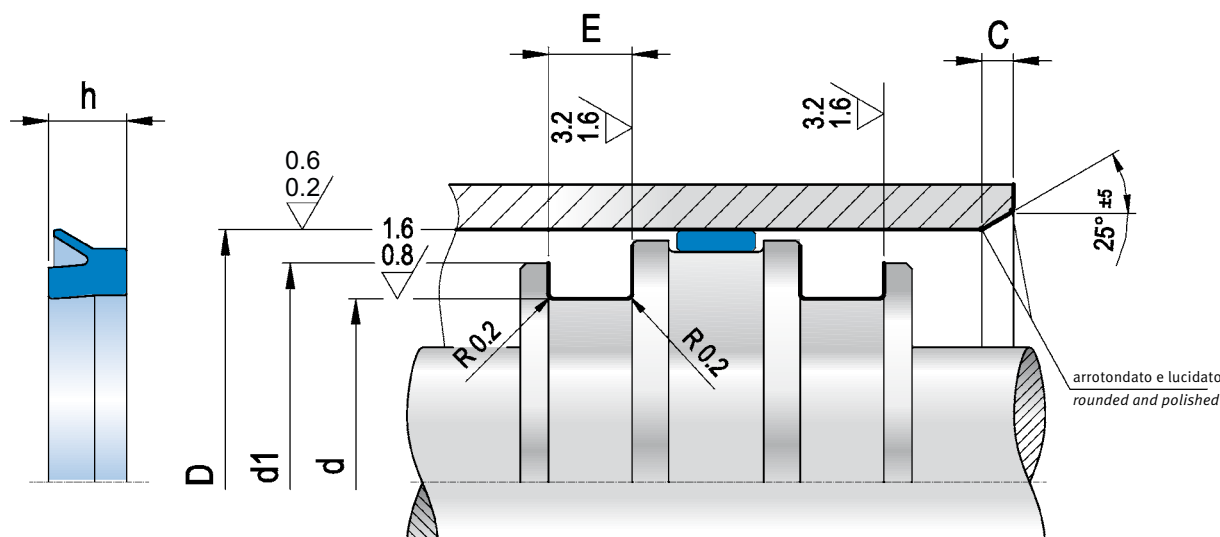
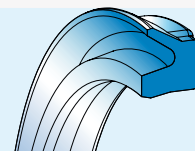
Alternative polyurethane 85 Shore A.

Alternative compound reference: A0

Assembling

It is important to remove flashes or cutting edges in the housing to avoid damages.

The bore must not have flashes and must present a lead-in chamfer (see page 245).

**PSP**

PSP

PSP/N

MPS

MPM

SPS

SPS/N

PLF

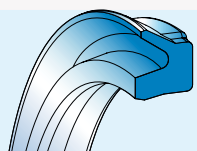
MPP

PSN

D _{H11}	d _{h10}	Toll. H10	d1*	h	E _{+0,2}	ART / ITEM
6,0	3,0	0/-0.048	5,0	2,00	2,50	PSP 0060 0030 020 B0
8,0	4,0	0/-0.048	7,0	2,55	3,00	PSP 0080 0040 025 B0
8,0	4,8	0/-0.048	7,0	2,30	2,70	PSP 0080 0048 023 B0
8,0	4,8	0/-0.048	7,0	2,55	3,00	PSP 0080 0048 025 B0
10,0	6,0	0/-0.048	9,0	2,55	3,00	PSP 0100 0060 025 B0
12,0	7,0	0/-0.058	11,0	2,55	3,00	PSP 0120 0070 025 B0
12,0	9,0	0/-0.058	11,0	2,10	2,50	PSP 0120 0090 021 B0
13,0	8,0	0/-0.058	12,0	2,55	3,00	PSP 0130 0080 025 B0
14,0	8,0	0/-0.058	13,0	2,55	3,00	PSP 0140 0080 025 B0
15,0	9,0	0/-0.058	14,0	2,55	3,00	PSP 0150 0090 025 B0
16,0	10,0	0/-0.058	15,0	2,55	3,00	PSP 0160 0100 025 B0
17,0	11,0	0/-0.070	16,0	2,55	3,00	PSP 0170 0110 025 B0
18,0	12,0	0/-0.070	17,0	2,55	3,00	PSP 0180 0120 025 B0
20,0	14,0	0/-0.070	19,0	2,55	3,00	PSP 0200 0140 025 B0
20,0	14,0	0/-0.070	19,0	4,00	4,50	PSP 0200 0140 040 B0
20,0	15,5	0/-0.070	19,0	4,00	4,50	PSP 0200 0155 040 B0
22,0	16,0	0/-0.070	21,0	2,55	3,00	PSP 0220 0160 025 B0
24,0	12,0	0/-0.070	23,0	6,50	7,50	PSP 0240 0120 065 B0
24,0	18,0	0/-0.070	23,0	2,55	3,00	PSP 0240 0180 025 B0
25,0	17,0	0/-0.070	24,0	5,50	6,00	PSP 0250 0170 055 B0
25,0	19,0	0/-0.084	24,0	3,25	3,50	PSP 0250 0190 032 B0
25,0	19,0	0/-0.084	24,0	4,00	4,50	PSP 0250 0190 040 B0
27,0	21,0	0/-0.084	26,0	3,25	4,00	PSP 0270 0210 032 B0
28,0	18,0	0/-0.084	27,0	7,00	7,50	PSP 0280 0180 070 B0
28,0	22,0	0/-0.084	27,0	3,25	3,50	PSP 0280 0220 032 B0
30,0	20,0	0/-0.084	29,0	5,00	6,00	PSP 0300 0200 050 B0
30,0	22,0	0/-0.084	29,0	3,25	3,50	PSP 0300 0220 032 B0

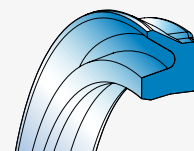
* diametro di aggancio consigliato ma modificabile in funzione delle esigenze di montaggio

* recommended hook diameter which could be modified according to mounting demand



PSP

D _{H11}	d _{h10}	Toll. H10	d1*	h	E _{+0,2}	ART / ITEM
32,0	24,0	0/-0.084	31,0	3,25	3,50	PSP 0320 0240 032 B0
32,0	24,0	0/-0.084	31,0	5,50	6,00	PSP 0320 0240 055 B0
35,0	27,0	0/-0.084	34,0	3,25	3,50	PSP 0350 0270 032 B0
36,0	28,0	0/-0.084	35,0	3,25	3,50	PSP 0360 0280 032 B0
38,0	30,0	0/-0.084	37,0	3,25	3,50	PSP 0380 0300 032 B0
38,0	30,0	0/-0.084	37,0	5,50	6,00	PSP 0380 0300 055 B0
40,0	27,3	0/-0.084	39,0	6,40	7,50	PSP 0400 0273 064 B0
40,0	30,0	0/-0.084	39,0	7,00	7,50	PSP 0400 0300 070 B0
40,0	32,0	0/-0.100	39,0	3,25	3,50	PSP 0400 0320 032 B0
42,0	30,0	0/-0.100	41,0	6,00	6,50	PSP 0420 0300 060 B0
42,0	34,0	0/-0.100	41,0	3,25	3,50	PSP 0420 0340 032 B0
45,0	35,0	0/-0.100	44,0	10,00	11,00	PSP 0450 0350 100 B0
45,0	37,0	0/-0.100	44,0	3,25	3,50	PSP 0450 0370 032 B0
50,0	40,0	0/-0.100	49,0	5,00	6,00	PSP 0500 0400 050 B0
50,0	40,0	0/-0.100	49,0	7,00	7,50	PSP 0500 0400 070 B0
50,0	42,0	0/-0.100	49,0	3,25	3,50	PSP 0500 0420 032 B0
52,0	42,0	0/-0.100	51,0	4,25	4,50	PSP 0520 0420 042 B0
55,0	45,0	0/-0.100	54,0	7,00	7,50	PSP 0550 0450 070 B0
58,0	48,0	0/-0.100	57,0	4,25	4,50	PSP 0580 0480 042 B0
60,0	50,0	0/-0.120	59,0	5,00	5,70	PSP 0600 0500 050 B0
60,0	50,0	0/-0.120	59,0	7,00	7,50	PSP 0600 0500 070 B0
63,0	53,0	0/-0.120	62,0	4,25	4,50	PSP 0630 0530 042 B0
63,0	53,0	0/-0.120	62,0	7,00	7,50	PSP 0630 0530 070 B0
65,0	55,0	0/-0.120	64,0	5,00	6,00	PSP 0650 0550 050 B0
65,0	55,0	0/-0.120	64,0	7,00	7,50	PSP 0650 0550 070 B0
68,0	58,0	0/-0.120	67,0	4,70	5,50	PSP 0680 0580 047 B0
70,0	58,0	0/-0.120	69,0	8,50	9,50	PSP 0700 0580 085 B0
75,0	63,0	0/-0.120	74,0	8,50	9,50	PSP 0750 0630 085 B0
80,0	67,3	0/-0.120	79,0	6,35	7,00	PSP 0800 0673 063 B0
80,0	68,0	0/-0.120	79,0	8,50	9,50	PSP 0800 0680 085 B0
80,0	70,0	0/-0.120	79,0	4,25	4,50	PSP 0800 0700 042 B0
85,0	73,0	0/-0.120	84,0	8,50	9,50	PSP 0850 0730 085 B0
90,0	78,0	0/-0.120	89,0	8,50	9,50	PSP 0900 0780 085 B0
90,0	80,0	0/-0.120	89,0	4,25	4,50	PSP 0900 0800 042 B0
100,0	88,0	0/-0.140	99,0	8,50	9,50	PSP 1000 0880 085 B0
100,0	90,0	0/-0.140	99,0	4,25	4,50	PSP 1000 0900 042 B0
110,0	95,0	0/-0.140	109,0	10,00	11,00	PSP 1100 0950 100 B0
120,0	105,0	0/-0.140	119,0	10,00	11,00	PSP 1200 1050 100 B0
125,0	105,0	0/-0.140	124,0	8,25	8,50	PSP 1250 1050 082 B0

**PSP**

D _{H11}	d _{h10}	Toll. H10	d1*	h	E _{+0,2}	ART / ITEM
125,0	110,0	0/-0.140	124,0	10,00	11,00	PSP 1250 1100 100 B0
140,0	120,0	0/-0.140	139,0	8,25	8,50	PSP 1400 1200 082 B0
160,0	140,0	0/-0.160	159,0	8,25	8,50	PSP 1600 1400 082 B0
160,0	145,0	0/-0.160	159,0	10,00	11,00	PSP 1600 1450 100 B0
180,0	160,0	0/-0.160	179,0	14,00	15,00	PSP 1800 1600 140 B0
200,0	180,0	0/-0.160	199,0	8,25	8,50	PSP 2000 1800 082 B0
200,0	180,0	0/-0.160	199,0	14,00	15,00	PSP 2000 1800 140 B0
250,0	230,0	0/-0.185	249,0	14,00	15,00	PSP 2500 2300 140 B0

PSP

PSP/N

MPS

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SPS

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* diametro di aggancio consigliato ma modificabile in funzione delle esigenze di montaggio

* recommended hook diameter which could be modified according to mounting demand

Nota: altre dimensioni non a catalogo a richiesta. Consultare il nostro ufficio tecnico.

Remark: please contact our technical dept. for further dimensions not included in the catalogue.