

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: Bo
Materiale alternativo poliuretano a 85 Shore A.
Codice materiale alternativo: Ao

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 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)*

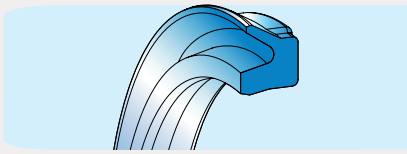
Material

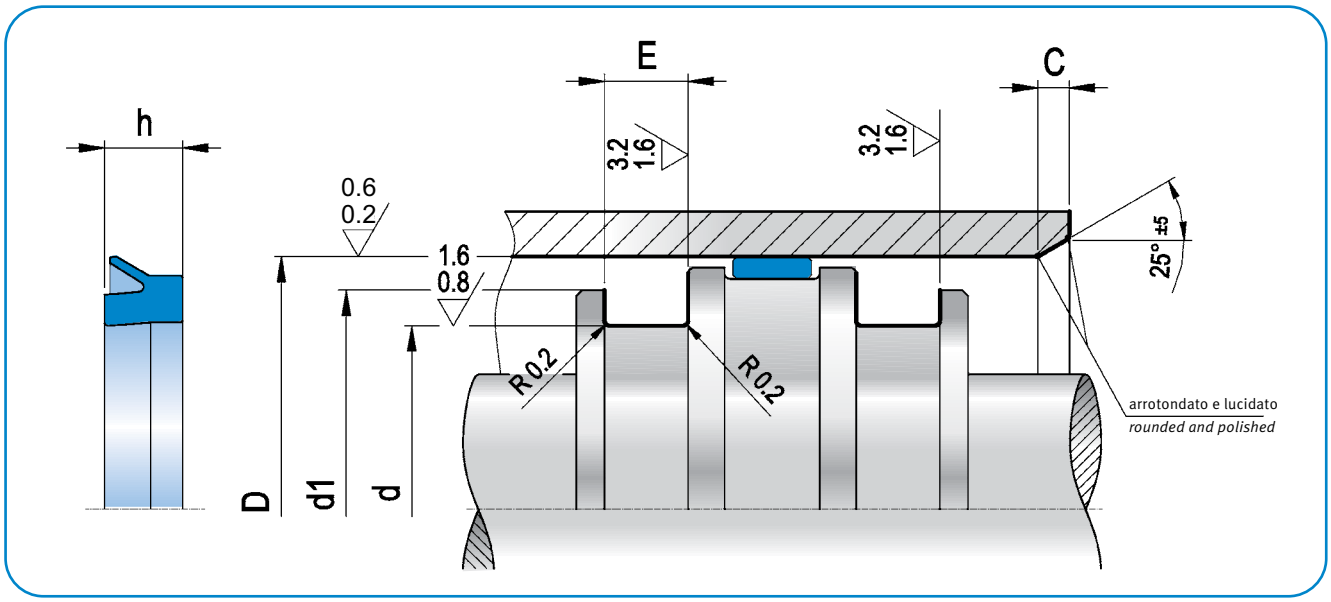
Standard polyurethane 90 Shore A.
Standard compound reference: Bo
Alternative polyurethane 85 Shore A.
Alternative compound reference: Ao

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.
Lubrication with grease will increase lifetime of the seal.

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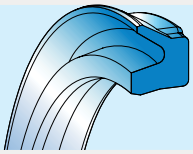




D_{H11}	d_{h10}	Toll. H10	d1*	h	$E_{+0,2}$	ART / ITEM				
6,0	3,0	0/-0.048	5,0	2,00	2,50	PSP	0060	0030	020	Bo
8,0	4,0	0/-0.048	7,0	2,55	3,00	PSP	0080	0040	025	Bo
8,0	4,8	0/-0.048	7,0	2,30	2,70	PSP	0080	0048	023	Bo
8,0	4,8	0/-0.048	7,0	2,55	3,00	PSP	0080	0048	025	Bo
8,2	5,1	0/-0.048	7,5	2,30	2,70	PSP	0082	0051	023	Bo
10,0	6,0	0/-0.048	9,0	2,55	3,00	PSP	0100	0060	025	Bo
12,0	7,0	0/-0.058	11,0	2,55	3,00	PSP	0120	0070	025	Bo
12,0	9,0	0/-0.058	11,0	2,10	2,50	PSP	0120	0090	021	Bo
12,7	8,0	0/-0.058	12,0	3,25	3,50	PSP	0127	0080	032	Bo
13,0	8,0	0/-0.058	12,0	2,55	3,00	PSP	0130	0080	025	Bo
14,0	8,0	0/-0.058	13,0	2,55	3,00	PSP	0140	0080	025	Bo
15,0	9,0	0/-0.058	14,0	2,55	3,00	PSP	0150	0090	025	Bo
16,0	10,0	0/-0.058	15,0	2,55	3,00	PSP	0160	0100	025	Bo
17,0	11,0	0/-0.070	16,0	2,55	3,00	PSP	0170	0110	025	Bo
18,0	12,0	0/-0.070	17,0	2,55	3,00	PSP	0180	0120	025	Bo
20,0	14,0	0/-0.070	19,0	2,55	3,00	PSP	0200	0140	025	Bo
20,0	14,0	0/-0.070	19,0	4,00	4,50	PSP	0200	0140	040	Bo
20,0	15,5	0/-0.070	19,0	4,00	4,50	PSP	0200	0155	040	Bo
22,0	16,0	0/-0.070	21,0	2,55	3,00	PSP	0220	0160	025	Bo
24,0	12,0	0/-0.070	23,0	6,50	7,50	PSP	0240	0120	065	Bo
24,0	18,0	0/-0.070	23,0	2,55	3,00	PSP	0240	0180	025	Bo
25,0	17,0	0/-0.070	24,0	5,50	6,00	PSP	0250	0170	055	Bo
25,0	19,0	0/-0.084	24,0	3,25	3,50	PSP	0250	0190	032	Bo
25,0	19,0	0/-0.084	24,0	4,00	4,50	PSP	0250	0190	040	Bo
27,0	21,0	0/-0.084	26,0	3,25	4,00	PSP	0270	0210	032	Bo
28,0	18,0	0/-0.084	27,0	7,00	7,50	PSP	0280	0180	070	Bo
28,0	22,0	0/-0.084	27,0	3,25	3,50	PSP	0280	0220	032	Bo

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

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

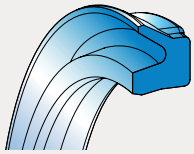


PSP

D_{H11}	d_{h10}	Toll. H10	d1*	h	$E_{+0,2}$	ART / ITEM				
30,0	20,0	0/-0.084	29,0	5,00	6,00	PSP	0300	0200	050	BO
30,0	22,0	0/-0.084	29,0	3,25	3,50	PSP	0300	0220	032	Bo
30,0	22,0	0/-0.084	29,0	5,50	6,00	PSP	0300	0220	055	Bo
32,0	24,0	0/-0.084	31,0	3,25	3,50	PSP	0320	0240	032	Bo
32,0	24,0	0/-0.084	31,0	5,50	6,00	PSP	0320	0240	055	Bo
35,0	27,0	0/-0.084	34,0	3,25	3,50	PSP	0350	0270	032	Bo
36,0	28,0	0/-0.084	35,0	3,25	3,50	PSP	0360	0280	032	Bo
38,0	30,0	0/-0.084	37,0	3,25	3,50	PSP	0380	0300	032	Bo
38,0	30,0	0/-0.084	37,0	5,50	6,00	PSP	0380	0300	055	Bo
40,0	27,3	0/-0.084	39,0	6,40	7,50	PSP	0400	0273	064	BO
40,0	30,0	0/-0.084	39,0	7,00	7,50	PSP	0400	0300	070	Bo
40,0	32,0	0/-0.100	39,0	3,25	3,50	PSP	0400	0320	032	Bo
42,0	30,0	0/-0.100	41,0	6,00	6,50	PSP	0420	0300	060	Bo
42,0	34,0	0/-0.100	41,0	3,25	3,50	PSP	0420	0340	032	Bo
45,0	35,0	0/-0.100	44,0	10,00	11,00	PSP	0450	0350	100	BO
45,0	37,0	0/-0.100	44,0	3,25	3,50	PSP	0450	0370	032	Bo
50,0	40,0	0/-0.100	49,0	5,00	6,00	PSP	0500	0400	050	BO
50,0	40,0	0/-0.100	49,0	7,00	7,50	PSP	0500	0400	070	Bo
50,0	42,0	0/-0.100	49,0	3,25	3,50	PSP	0500	0420	032	Bo
52,0	42,0	0/-0.100	51,0	4,25	4,50	PSP	0520	0420	042	Bo
55,0	45,0	0/-0.100	54,0	7,00	7,50	PSP	0550	0450	070	Bo
58,0	48,0	0/-0.100	57,0	4,25	4,50	PSP	0580	0480	042	Bo
60,0	50,0	0/-0.120	59,0	5,00	5,70	PSP	0600	0500	050	Bo
60,0	50,0	0/-0.120	59,0	7,00	7,50	PSP	0600	0500	070	Bo
63,0	53,0	0/-0.120	62,0	4,25	4,50	PSP	0630	0530	042	Bo
63,0	53,0	0/-0.120	62,0	7,00	7,50	PSP	0630	0530	070	Bo
65,0	55,0	0/-0.120	64,0	5,00	6,00	PSP	0650	0550	050	BO
65,0	55,0	0/-0.120	64,0	7,00	7,50	PSP	0650	0550	070	Bo
68,0	58,0	0/-0.120	67,0	4,70	5,50	PSP	0680	0580	047	Bo
70,0	54,1	0/-0.120	69,0	8,00	9,00	PSP	0700	0541	080	Bo
70,0	58,0	0/-0.120	69,0	8,50	9,50	PSP	0700	0580	085	Bo
75,0	63,0	0/-0.120	74,0	8,50	9,50	PSP	0750	0630	085	Bo
80,0	67,3	0/-0.120	79,0	6,35	7,00	PSP	0800	0673	063	Bo
80,0	68,0	0/-0.120	79,0	8,50	9,50	PSP	0800	0680	085	Bo
80,0	70,0	0/-0.120	79,0	4,25	4,50	PSP	0800	0700	042	Bo
85,0	71,5	0/-0.120	84,0	9,20	10,00	PSP	0850	0715	092	Bo
85,0	73,0	0/-0.120	84,0	8,50	9,50	PSP	0850	0730	085	Bo
86,0	73,3	0/-0.120	85,0	9,00	10,00	PSP	0860	0733	090	Bo
90,0	78,0	0/-0.120	89,0	8,50	9,50	PSP	0900	0780	085	Bo
90,0	80,0	0/-0.120	89,0	4,25	4,50	PSP	0900	0800	042	Bo
100,0	88,0	0/-0.140	99,0	8,50	9,50	PSP	1000	0880	085	Bo
100,0	90,0	0/-0.140	99,0	4,25	4,50	PSP	1000	0900	042	Bo

ARTIC SEALS

PSP



D_{H11}	d_{h10}	Toll. H10	d1*	h	$E_{+0,2}$	ART / ITEM				
110,0	95,0	0/-0.140	109,0	10,00	11,00	PSP	1100	0950	100	Bo
120,0	105,0	0/-0.140	119,0	10,00	11,00	PSP	1200	1050	100	Bo
125,0	105,0	0/-0.140	124,0	8,25	8,50	PSP	1250	1050	082	Bo
125,0	110,0	0/-0.140	124,0	10,00	11,00	PSP	1250	1100	100	Bo
140,0	120,0	0/-0.140	139,0	8,25	8,50	PSP	1400	1200	082	Bo
152,0	145,0	0/-0.140	151,0	3,70	4,00	PSP	1520	1450	037	Bo
160,0	140,0	0/-0.160	159,0	8,25	8,50	PSP	1600	1400	082	Bo
160,0	145,0	0/-0.160	159,0	10,00	11,00	PSP	1600	1450	100	Bo
180,0	160,0	0/-0.160	179,0	14,00	15,00	PSP	1800	1600	140	Bo
185,0	171,0	0/-0.160	184,0	7,00	7,50	PSP	1850	1710	070	Bo
190,0	170,0	0/-0.160	189,0	15,00	16,00	PSP	1900	1700	150	Bo
200,0	180,0	0/-0.160	199,0	8,25	8,50	PSP	2000	1800	082	Bo
200,0	180,0	0/-0.160	199,0	12,00	13,00	PSP	2000	1800	120	Bo
200,0	180,0	0/-0.160	199,0	14,00	15,00	PSP	2000	1800	140	Bo
250,0	230,0	0/-0.185	249,0	14,00	15,00	PSP	2500	2300	140	Bo

* 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.