

PSQ

TENUTA PISTONE TIPO PSQ

Descrizione

La guarnizione PSQ ha uno speciale profilo con doppie punte centrali nella parte dinamica e un piano di due piccoli gradini nella parte statica dove alloggia il q-ring, che energizza la guarnizione e garantisce la perfetta tenuta a bassa e alta pressione. La geometria del profilo evita pressioni idrodinamiche sulla tenuta e di conseguenza l'effetto blow-by.

Dati tecnici

Pressione: < 250 Bar con materiale tipo C0
a 93 Shore A a temperatura di 60° C.
< 400 Bar con materiale tipo D0 a 98
Shore A a temperatura di 60° C.

Velocità: < 0,8 m/s

Temperatura: da - 35° C a + 100 ° C
con punte fino a 110° C.

Fluidi: oli a base minerale
(v. tabella 3 a p. 14)

Materiale

I materiali proposti sono TPU di diverse durezza a seconda delle pressioni di esercizio.
Codice materiale: CN (93 Shore A con Q-Ring) o, in alternativa, DN (98 Shore A con Q-Ring)

Montaggio

- Eliminare gli spigoli taglienti e le bave nella sede dove alloggia la guarnizione
- eseguire lo smusso d'invito sulla camicia per facilitare il montaggio del pistone.

Per ulteriori informazioni leggere le istruzioni a p. 61.

PSQ TYPE PISTON SEAL

Description

The PSQ seal has a double point profile in the in the dynamic part, and two small steps in the static part where the Q-ring is housed. The Q-ring energizes the seal and provides a perfect sealing performance at low and high pressure. The shape of the central double profile prevents hydrodynamic pressures on the seal and the resulting blow-out effect.

Technical data

Pressure: < 250 Bar with a C0-type material at 93
Shore A, at a temperature of 60°C.
< 400 Bar a D0-type material, at 98
Shore A, at a temperature of 60° C.

Speed: < 0.8 m/s

Temperature: from - 35° C to + 100 ° C with peaks
up to 110° C.

Fluids: mineral oils
(see table 3, page 14)

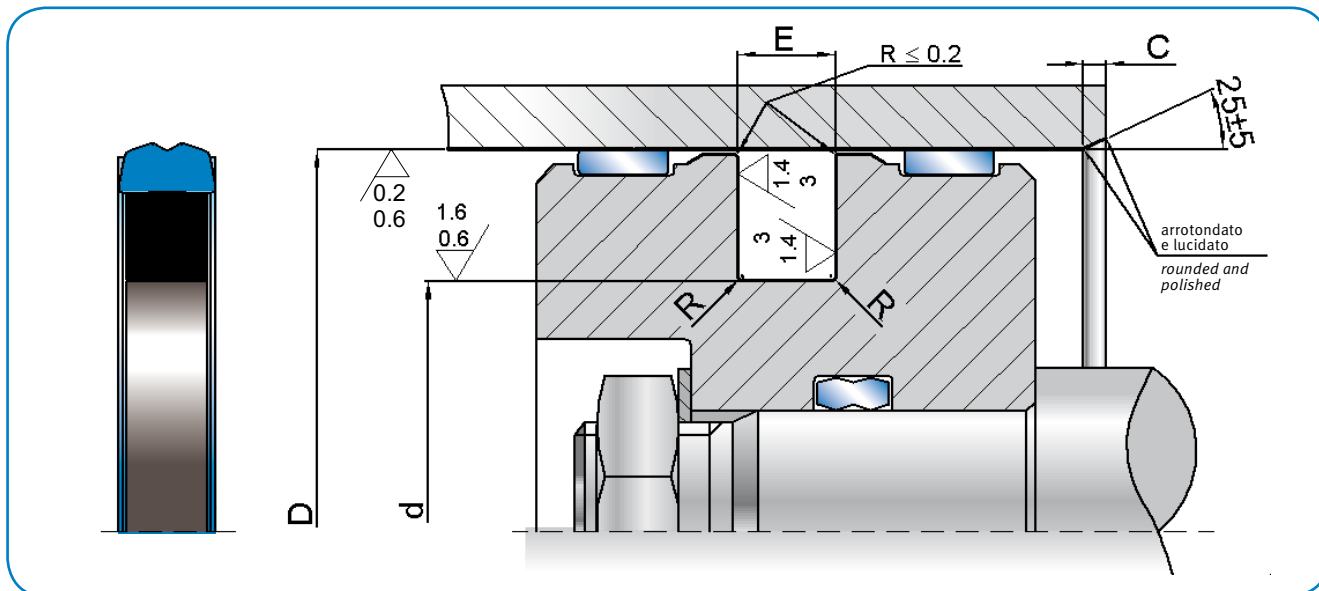
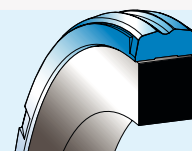
Material

Material proposed are TPUs with different hardness according to the working pressure.
Compound reference: CN (93 Shore A with Q-ring) or, alternatively, DN (98 Shore A with Q-ring)

Assembling

- Cutting edges or flash must be removed in the housing of the seal
- ensure a lead-in chamfer in the bore to facilitate the piston installation.

For further information please refer to the assembly instructions on page 61.

**PSQ**PSA
PAE
PSH
RR
PSO
PSQ
PSN
TPD
PSZ
PHP
KDSA
KDSB
KDSP
KDAE

D _{H9}	d _{h9}	E _{+0,2}	C	R	ART / ITEM
40,0	24,5	6,3	5,0	0,4	PSQ 0400 0245 063 CN
* 40,0	29,0	4,2	4,0	0,3	PSQ 0400 0290 042 CN
45,0	34,0	4,2	4,0	0,3	PSQ 0450 0340 042 CN
* 50,0	34,5	6,3	5,0	0,4	PSQ 0500 0345 063 CN
* 50,0	39,0	4,2	4,0	0,3	PSQ 0500 0390 042 CN
55,0	39,5	6,3	5,0	0,4	PSQ 0550 0395 063 CN
60,0	44,5	6,3	5,0	0,4	PSQ 0600 0445 063 CN
60,0	49,0	4,2	4,0	0,3	PSQ 0600 0490 042 CN
* 63,0	47,5	6,3	5,0	0,4	PSQ 0630 0475 063 CN
* 63,0	52,0	4,2	5,0	0,3	PSQ 0630 0520 042 CN
65,0	49,5	6,3	4,0	0,4	PSQ 0650 0495 063 CN
70,0	54,5	6,3	5,0	0,4	PSQ 0700 0545 063 CN
70,0	59,0	4,2	4,0	0,3	PSQ 0700 0590 042 CN
75,0	59,5	6,3	5,0	0,4	PSQ 0750 0595 063 CN
75,0	64,0	4,2	5,0	0,4	PSQ 0750 0640 042 CN
80,0	59,0	8,1	6,0	0,4	PSQ 0800 0590 081 CN
* 80,0	64,5	6,3	5,0	0,4	PSQ 0800 0645 063 CN
85,0	69,5	6,3	5,0	0,4	PSQ 0850 0695 063 CN

D _{H9}	d _{h9}	E _{+0,2}	C	R	ART / ITEM
90,0	69,0	8,1	6,0	0,4	PSQ 0900 0690 081 CN
90,0	74,5	6,3	5,0	0,4	PSQ 0900 0745 063 CN
95,0	79,5	6,3	5,0	0,4	PSQ 0950 0795 063 CN
100,0	79,0	8,1	6,0	0,4	PSQ 1000 0790 081 CN
* 100,0	84,5	6,3	5,0	0,4	PSQ 1000 0845 063 CN
105,0	89,5	6,3	5,0	0,4	PSQ 1050 0895 063 CN
110,0	89,0	8,1	6,0	0,4	PSQ 1100 0890 081 CN
110,0	94,5	6,3	5,0	0,4	PSQ 1100 0945 063 CN
115,0	94,0	8,1	6,0	0,4	PSQ 1150 0940 081 CN
120,0	99,0	8,1	6,0	0,4	PSQ 1200 0990 081 CN
* 125,0	104,0	8,1	6,0	0,4	PSQ 1250 1040 081 CN
* 125,0	109,5	6,3	5,0	0,4	PSQ 1250 1095 063 CN
130,0	109,0	8,1	6,0	0,4	PSQ 1300 1090 081 CN
140,0	119,0	8,1	6,0	0,4	PSQ 1400 1190 081 CN
180,0	159,0	8,1	6,0	0,4	PSQ 1800 1590 081 CN

* ISO 7425

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.