

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 Co a 93 Shore A a temperatura di 60° C.
‹ 400 Bar con materiale tipo Do 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 durezze 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. 63.

Nota: in caso di finitura da lucido di trafila si consiglia l'utilizzo di tenuta pistone in PTFE.

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 Co-type material at 93 Shore A, at a temperature of 60°C.*
‹ 400 Bar a Do-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)

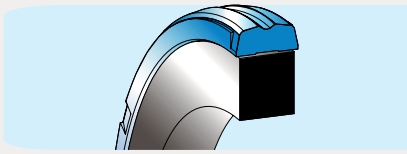
Assembling

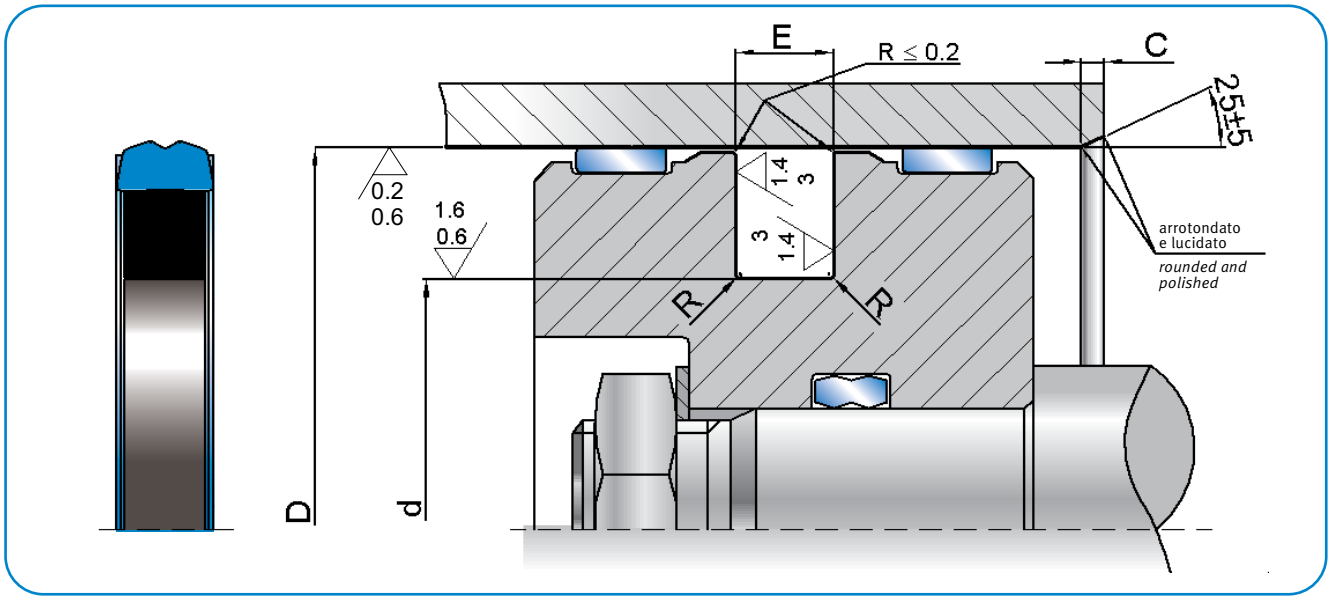
- *Cutting edges or flash must be removed in the housing of the seal*
- *ensure a lead-in chamfer in the bore to facilitate the piston installation.*

For further information please refer to the assembly instructions on page 63.

Note: in case of bright drawn surface machining it is recommended to use PTFE piston seals.

PSQ





	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	29,5	6,3	4,0	0,3	PSQ 0450 0295 063 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
	55,0	44,0	4,2	5,0	0,4	PSQ 0550 0440 042 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
	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	74,0	8,1	5,0	0,4	PSQ 0950 0740 081 CN
	95,0	79,5	6,3	5,0	0,4	PSQ 0950 0795 063 CN

	D_{H9}	d_{h9}	$E_{+0,2}$	C	R	ART / *ITEM*
	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
	115,0	99,5	6,3	6,0	0,4	PSQ 1150 0995 063 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
	135,0	114,0	8,1	6,0	0,4	PSQ 1350 1140 081 CN
	140,0	119,0	8,1	6,0	0,4	PSQ 1400 1190 081 CN
	145,0	124,0	8,1	6,0	0,4	PSQ 1450 1240 081 CN
	150,0	129,0	8,1	6,0	0,4	PSQ 1500 1290 081 CN
	155,0	134,0	8,1	6,0	0,4	PSQ 1550 1340 081 CN
	165,0	144,0	8,1	6,0	0,4	PSQ 1650 1440 081 CN
	175,0	149,0	8,1	6,0	0,4	PSQ 1750 1490 081 CN
	180,0	159,0	8,1	6,0	0,4	PSQ 1800 1590 081 CN
	190,0	169,0	8,1	6,0	0,4	PSQ 1900 1690 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.