

PSZ

TENUTA PISTONE TIPO PSZ

Descrizione

La tenuta PSZ a doppio effetto,per movimenti solo dinamici, è il risultato della combinazione tra un pattino in materiale plastico tagliato a gradino e un anello in materiale elastomerico (NBR) di sezione rettangolare con funzione energizzante.
L'alta resistenza del materiale plastico permette alla tenuta di resistere a pressioni elevate e a giochi radiali (pistone/camicia) di gran lunga superiori alle attuali tenute. Le lavorazioni meccaniche del pistone risultano così semplificate e facilitate. Utilizzata in escavatori, sollevatori, gru e carrelli elevatori.

Limiti d'impiego

Pressione: ‹ 800 bar (con picchi fino a 1000 bar)
Velocità: ‹ 1 m/s
Temperatura: da - 30 °C a +110°C
Fluidi: fluidi e oli a base minerale.
(v. tabella 3 a p.14)

Materiale

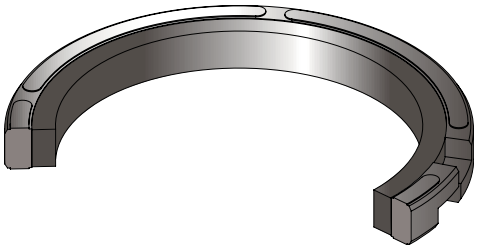
Anello elastomerico in NBR 75 Shore A.
Pattino in materiale PA66 modificato.

Montaggio

Il montaggio è semplificato grazie al pattino tagliato a gradino.
Si monta in cava chiusa dopo aver montato l'elemento energizzante in NBR e si consiglia di ingrassare prima di inserire il pistone nel cilindro.

Nota: non utilizzare in applicazioni statiche.

Fig. 36 - *Pic.36:*



PSZ TYPE PISTON SEAL

Description

The double effect PSZ seal only for dynamic movement, is the result of a combination between plastic runner with step cut and elastomeric Q-ring (NBR) for energizing.
The high strength of the plastic material, grant the sealing effect at high pressure and permit higher radial clearance (Piston/ Bore) compare to other piston seals.
This last aspect allows for an easier machining of the piston.
Fields of applications: excavators, lifts, cranes and fork lifts.

Technical data

Pressure: ‹ 800 bar (with peaks till 1000 bar)
Speed: ‹ 1 m/s
Temperature: from - 30° C to + 110° C
Fluids: mineral-based fluid and oil.
(see table 3, page 14)

Material

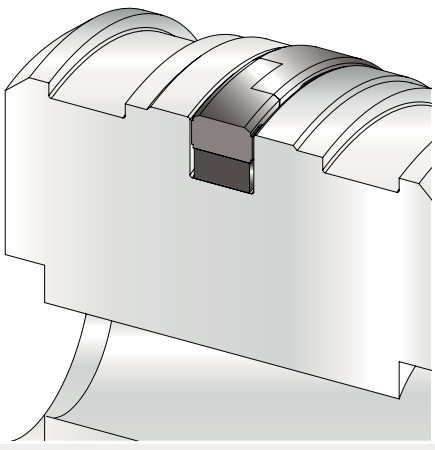
Elastomeric ring in NBR 75 Shore A.
Plastic Runner in modify PA66 material.

Assembling

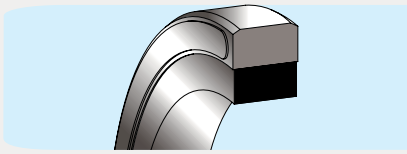
The installation is simplified because the Runner has a cutting step.
The assembling in in closed groove after the installation of NBR energizing element.
Grease before the piston installation in the cylinder.

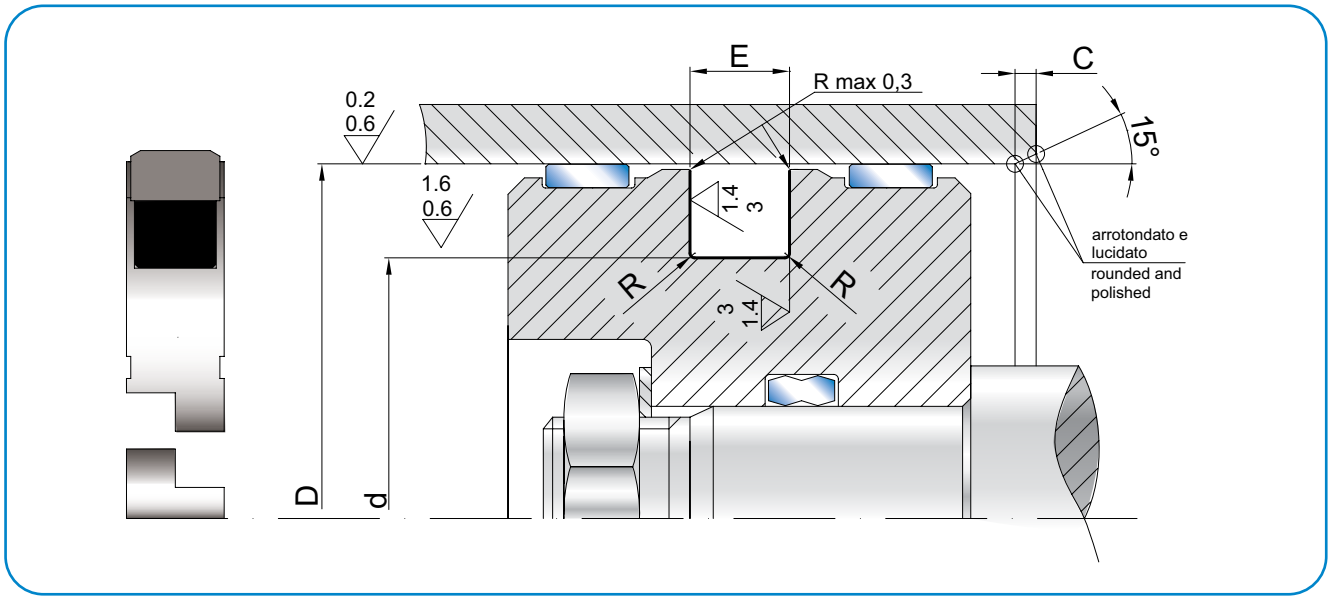
Note: do not use in static applications.

Fig. 37- *Pic.37:*



PSZ





D_{H9}	d_{h9}	$E_{+0,1}$	R	C	ART / *ITEM*
45,0	34,0	4,2	0,3	5,0	PSZ 0450 0340 042 RN
50,0	34,5	6,3	0,3	5,0	PSZ 0500 0345 063 RN
50,0	39,0	4,2	0,3	5,0	PSZ 0500 0390 042 RN
60,0	49,0	4,2	0,3	5,0	PSZ 0600 0490 042 RN
63,0	47,5	6,3	0,3	5,0	PSZ 0630 0475 063 RN
70,0	54,5	6,3	0,5	5,0	PSZ 0700 0545 063 RN
70,0	59,0	4,2	0,5	5,0	PSZ 0700 0590 042 RN
75,0	59,5	6,3	0,5	5,0	PSZ 0750 0595 063 RN
75,0	54,0	8,1	0,5	5,0	PSZ 0750 0540 081 RN
80,0	59,0	8,1	0,5	5,0	PSZ 0800 0590 081 RN
85,0	69,5	6,3	0,5	5,0	PSZ 0850 0695 063 RN
90,0	69,0	8,1	0,5	5,0	PSZ 0900 0690 081 RN
95,0	79,5	6,3	0,5	5,0	PSZ 0950 0795 063 RN
100,0	79,0	8,1	0,5	5,0	PSZ 1000 0790 081 RN
110,0	89,0	8,1	0,5	5,0	PSZ 1100 0890 081 RN

D_{H9}	d_{h9}	$E_{+0,1}$	R	C	ART / *ITEM*
120,0	99,0	8,1	0,5	5,0	PSZ 1200 0990 081 RN
125,0	104,0	8,1	0,6	6,5	PSZ 1250 1040 081 RN
125,0	109,5	6,3	0,6	6,5	PSZ 1250 1095 063 RN
130,0	109,0	8,1	0,6	6,5	PSZ 1300 1090 081 RN
140,0	119,0	8,1	0,6	6,5	PSZ 1400 1190 081 RN
150,0	129,0	8,1	0,6	6,5	PSZ 1500 1290 081 RN
160,0	139,0	8,1	0,6	6,5	PSZ 1600 1390 081 RN
170,0	149,0	8,1	0,6	6,5	PSZ 1700 1490 081 RN
180,0	159,0	8,1	0,6	6,5	PSZ 1800 1590 081 RN
190,0	169,0	8,1	0,6	6,5	PSZ 1900 1690 081 RN
200,0	179,0	8,1	0,6	6,5	PSZ 2000 1790 081 RN

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.