

MPP

PISTONE MONOBLOCCO TIPO MPP

Descrizione

Il pistone monoblocco tipo MPP è realizzato in gomma nitrilica di durezza 75 Shore A vulcanizzata su inserto metallico.
Si usa normalmente in applicazioni pneumatiche nei cilindri a semplice e a doppio effetto. Il profilo a labbri di tenuta arrotondati facilita lo scorrimento ed evita il fenomeno di stick-slip. La camera portalubrificante tra i due labbri di tenuta garantisce nel tempo la linearità al movimento assiale. In caso di carichi radiali forti, i distanziali in senso dello scorrimento autoallineano il pistone alla camicia.
Nella parte interna, il pistone presenta da entrambi i lati alcuni bassorilievi che facilitano il primo distacco durante l'inversione di marcia.

Dati tecnici

Pressione:	‹ 20 bar
Velocità:	‹ 1 m/s
Temperatura:	da - 30° C a + 100° C
Fluidi:	aria (lubrificata e non), grasso, ecc.(v. tabella 3 a p.14)

Materiale

Il materiale utilizzato è la combinazione di gomma NBR 75 Shore A con inserto acciaio. È possibile realizzare il pistone in FKM per impieghi ad alte temperature.

Montaggio

Eliminare spigoli vivi all'imbocco camicia-cilindro per evitare di compromettere la guarnizione.
Ingrassare il pistone prima del montaggio. Eseguire uno smusso sulla camicia del cilindro.

Importante: si raccomanda di utilizzare rondella di fissaggio sbavata e arrotondata

MONOBLOCK PISTON TYPE MPP

Description

The MPP type mono-block piston type MPP is made of NBR nitrile rubber hardness 75 Shore A vulcanized on a metal insert.
It is normally used in pneumatic applications, in single and double effect cylinders. The profile with rounded edges improves the sliding and avoids Stick-Slip. The groove leads lubricant through the two sealing lips, ensuring the axial movements linearity for long time.
The sliding direction spacers, self-align piston and sleeve in case of heavy radial loads. The piston presents, on both sides of the internal part, some grooves helping breakaway during the first reverse gear.

Technical data

Pressure:	*‹ 20 bar*
Speed:	*‹ 1 m/s*
Temperature:	*from - 30° C up to + 100° C*
Fluids:	*air (lubricated or not), grase, etc. (see table 3, page 14)*

Material

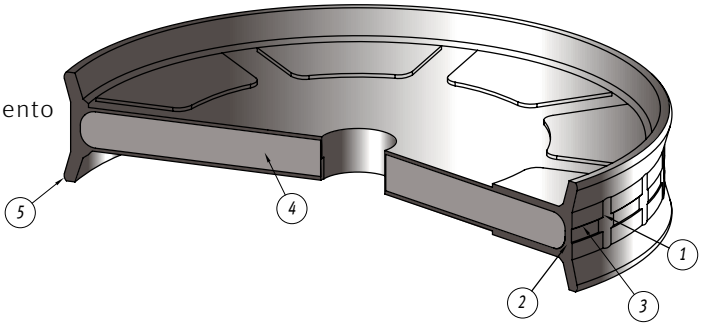
The material used is a combination of nitrile rubber NBR 75 Shore A and steel insert.
For high temperature application we could also provide FKM compound instead of NBR compound.

Assembling

Remove sharp edges at the Bore-Cylinder entry to avoid seal damages.
Grease the piston before installation.The bore must present a lead-in chamfer.

Important: deburred and rounded fixing washer is recommended

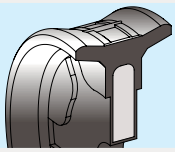
Fig.53:
1 - distanziale per autoallineamento
2 - gola porta lubrificante
3 - inserto metallico
4 - raggio

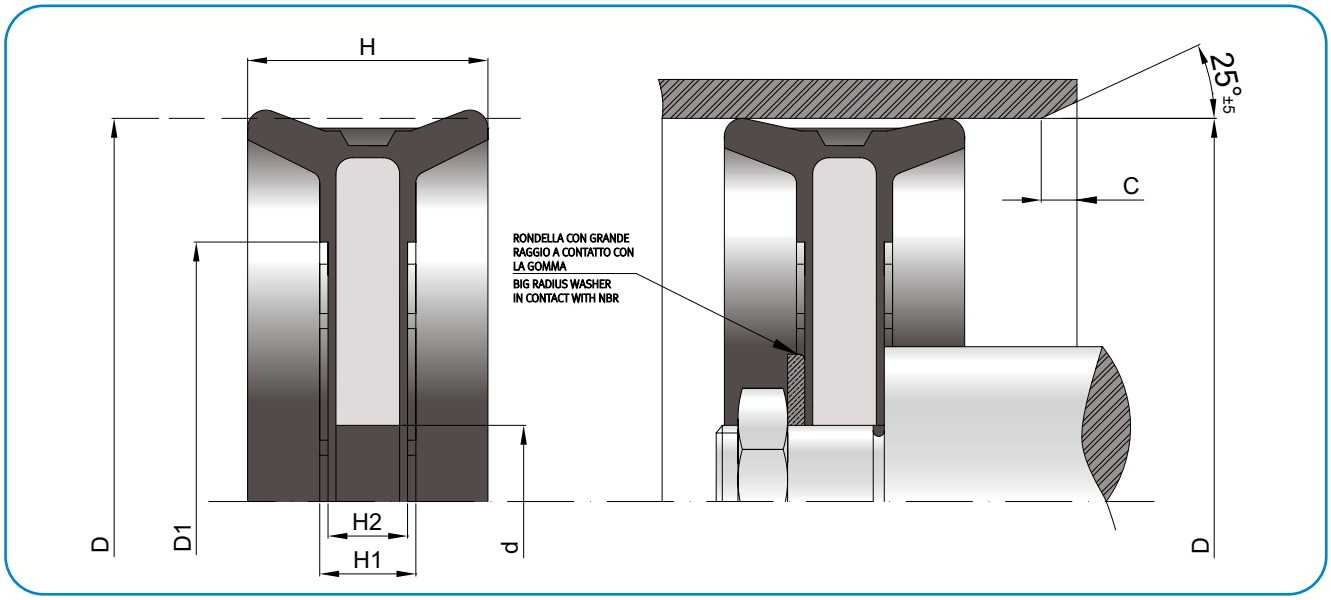


Pic.53:
1 - aligning spacer
2 - ubricant groove
3 - metal insert
4 - radius

ARTIC SEALS

MPP





D_{H11}	d_{f8}	H	H1	H2	C	ART / ITEM				
25,0	8,0	12,0	6,0	4,0	3,00	MPP	0250	0080	120	N2
32,0	8,0	15,0	6,0	4,0	3,00	MPP	0320	0080	150	N2
40,0	10,0	18,0	7,0	5,0	3,00	MPP	0400	0100	180	N2
50,0	10,0	18,0	7,0	5,0	4,00	MPP	0500	0100	180	N2
60,0	12,0	22,0	9,0	6,0	4,00	MPP	0600	0120	220	N2
63,0	12,0	22,0	9,0	6,0	4,00	MPP	0630	0120	220	N2
63,0	14,0	22,0	9,0	6,0	4,00	MPP	0630	0140	220	N2
63,0	16,0	22,0	9,0	6,0	4,00	MPP	0630	0160	220	N2
70,0	12,0	22,0	9,0	6,0	4,00	MPP	0700	0120	220	N2
75,0	12,0	25,0	9,0	6,0	4,50	MPP	0750	0120	250	N2
80,0	12,0	25,0	9,0	6,0	4,50	MPP	0800	0120	250	N2
80,0	14,0	25,0	9,0	6,0	4,50	MPP	0800	0140	250	N2
80,0	16,0	25,0	9,0	6,0	4,50	MPP	0800	0160	250	N2
80,0	18,0	25,0	9,0	6,0	4,50	MPP	0800	0180	250	N2
90,0	12,0	25,0	9,0	6,0	4,50	MPP	0900	0120	250	N2
95,0	12,0	25,0	9,0	6,0	4,50	MPP	0950	0120	250	N2
100,0	18,0	25,0	9,0	6,0	4,50	MPP	1000	0180	250	N2
100,0	20,0	25,0	9,0	6,0	4,50	MPP	1000	0200	250	N2
110,0	12,0	25,0	9,0	6,0	4,50	MPP	1100	0120	250	N2
125,0	18,0	30,0	12,0	9,0	5,00	MPP	1250	0180	300	N2
125,0	20,0	30,0	12,0	9,0	5,00	MPP	1250	0200	300	N2
160,0	20,0	30,0	14,0	12,0	6,00	MPP	1600	0200	300	N2
160,0	24,0	30,0	14,0	12,0	6,00	MPP	1600	0240	300	N2
200,0	20,0	30,0	14,0	12,0	6,00	MPP	2000	0200	300	N2
200,0	24,0	30,0	14,0	12,0	6,00	MPP	2000	0240	300	N2
250,0	30,0	35,0	18,0	16,0	6,00	MPP	2500	0300	350	N2

NB: quota D1 su richiesta (contattare ufficio tecnico)
NB: dimension D1 on request (contact technical department)