

ESA

FASCE DI GUIDA PER PISTONE TIPO ESA

Descrizione

Per evitare il contatto diretto tra lo stelo e la testata del cilindro, e tra il pistone e la camicia, che è in alluminio nella maggior parte dei cilindri pneumatici, si inserisce una fascia di guida tipo ESA per tenere guidato tutto il sistema. Le fasce di guida sono stampate con un materiale autolubrificante, non abrasivo e studiato per favorire uno scorrimento lineare.

Il profilo della guida presenta smussi interni ed esterni che facilitano il montaggio di stelo e pistone.

Limiti d'impiego

Velocità: < 1 m/s

Temperatura: da - 40° C a + 115° C

Materiale

Resina poliacetalica modificata.

Grazie all'aggiunta di particolari additivi il materiale è molto scorrevole e non abrasivo.

Codice materiale standard: R3

Vantaggi

- ottimo rapporto prezzo/prestazioni
- basso effetto stick-slip
- buona resistenza alla compressione.

Montaggio

Grazie alle guide tagliate il montaggio si esegue facilmente.

Nota: sezione tecnica guide p.158

ESA TYPE PISTON GUIDE RING

Description

The ESA type rod guide ring is used to avoid direct contact between cylinder head and rod, and between piston and sleeve, since for the main part of the pneumatic cylinders are made of aluminium. It's also used to lead all the system.

The guide rings are moulded in non-abrasive and self-lubricant material, especially studied to improve the linear sliding.

The profile presents chamfers both sides for easier installation of rod and piston.

Technical data

Speed: < 1 m/s

Temperature: from - 40° C up to + 115° C

Material

Non abrasive modified Polyacetalic resin with additives improving the sliding.

Standard compound reference: R3

Advantages

- excellent price/performance ratio
- low stick-slip effect
- good compressive strength.

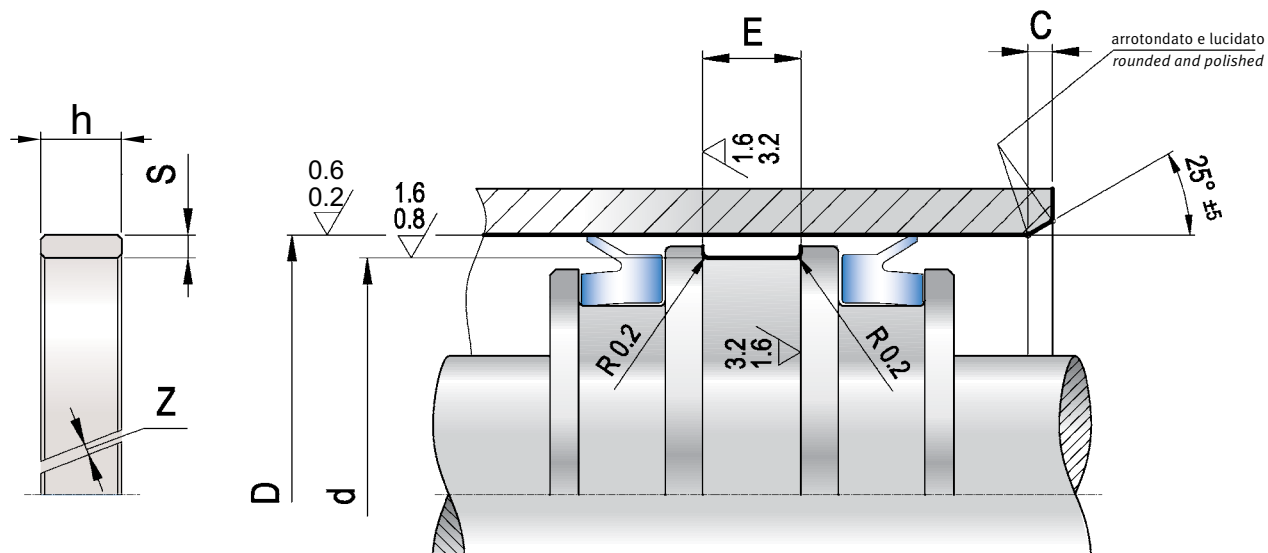
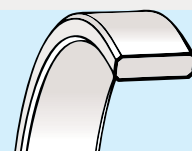
Assembling

The assembling can be easily done since the wear ring is cut.

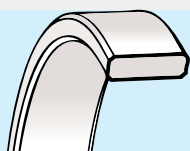
Note: wear rings technical section p.158



ESA

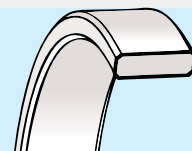


D _{H11}	d _{h7}	toll _{h7}	E _{+0,2}	ART / ITEM
8,0	4,9	0/-0.012	2,5	ESA 0080 0049 025 R3
10,0	6,9	0/-0.015	2,5	ESA 0100 0069 025 R3
10,0	6,9	0/-0.015	4,0	ESA 0100 0069 040 R3
12,0	8,9	0/-0.015	4,0	ESA 0120 0089 040 R3
14,0	10,9	0/-0.018	4,0	ESA 0140 0109 040 R3
15,0	11,9	0/-0.018	4,0	ESA 0150 0119 040 R3
16,0	12,9	0/-0.018	4,0	ESA 0160 0129 040 R3
16,0	12,0	0/-0.018	9,7	ESA 0160 0120 097 R3
18,0	14,9	0/-0.018	4,0	ESA 0180 0149 040 R3
20,0	16,0	0/-0.018	8,2	ESA 0200 0160 082 R3
20,0	16,0	0/-0.018	9,7	ESA 0200 0160 097 R3
20,0	16,9	0/-0.018	4,0	ESA 0200 0169 040 R3
21,0	17,0	0/-0.018	8,2	ESA 0210 0170 082 R3
22,0	18,0	0/-0.018	9,7	ESA 0220 0180 097 R3
25,0	21,0	0/-0.021	8,2	ESA 0250 0210 082 R3
25,0	21,9	0/-0.021	4,0	ESA 0250 0219 040 R3
26,0	22,0	0/-0.021	8,2	ESA 0260 0220 082 R3
30,0	25,8	0/-0.021	5,0	ESA 0300 0258 050 R3
30,0	26,0	0/-0.021	5,0	ESA 0300 0260 050 R3
30,0	26,0	0/-0.021	8,2	ESA 0300 0260 082 R3
30,0	27,0	0/-0.021	,2	ESA 0300 0270 042 R3
32,0	26,1	0/-0.021	5,0	ESA 0320 0261 050 R3
32,0	28,0	0/-0.021	5,0	ESA 0320 0280 050 R3
32,0	28,0	0/-0.021	8,2	ESA 0320 0280 082 R3



ESA

D _{H11}	d _{h7}	toll _{h7}	E _{+0,2}	ART / ITEM			
32,0	28,9	0/-0.021	4,0	ESA	0320	0289	040 R3
35,0	31,0	0/-0.025	8,2	ESA	0350	0310	082 R3
40,0	36,0	0/-0.025	5,0	ESA	0400	0360	050 R3
40,0	36,0	0/-0.025	8,2	ESA	0400	0360	082 R3
40,0	37,0	0/-0.025	12,0	ESA	0400	0370	120 R3
45,0	41,0	0/-0.025	10,2	ESA	0450	0410	102 R3
50,0	46,0	0/-0.025	5,2	ESA	0500	0460	052 R3
50,0	46,0	0/-0.025	10,2	ESA	0500	0460	102 R3
50,0	47,0	0/-0.025	3,2	ESA	0500	0470	032 R3
50,0	47,0	0/-0.025	12,0	ESA	0500	0470	120 R3
55,0	51,0	0/-0.030	10,2	ESA	0550	0510	102 R3
58,0	54,0	0/-0.030	10,2	ESA	0580	0540	102 R3
60,0	56,0	0/-0.030	10,2	ESA	0600	0560	102 R3
63,0	58,0	0/-0.030	4,2	ESA	0630	0580	042 R3
63,0	59,0	0/-0.030	10,2	ESA	0630	0590	102 R3
63,0	60,0	0/-0.030	3,2	ESA	0630	0600	032 R3
63,0	60,0	0/-0.030	12,0	ESA	0630	0600	120 R3
65,0	61,0	0/-0.030	10,2	ESA	0650	0610	102 R3
70,0	66,0	0/-0.030	10,2	ESA	0700	0660	102 R3
75,0	71,0	0/-0.030	15,2	ESA	0750	0710	152 R3
80,0	76,0	0/-0.030	10,2	ESA	0800	0760	102 R3
80,0	76,0	0/-0.030	15,2	ESA	0800	0760	152 R3
80,0	77,0	0/-0.030	12,0	ESA	0800	0770	120 R3
85,0	81,0	0/-0.035	15,2	ESA	0850	0810	152 R3
90,0	86,0	0/-0.035	15,2	ESA	0900	0860	152 R3
95,0	91,0	0/-0.035	15,2	ESA	0950	0910	152 R3
100,0	96,0	0/-0.035	10,2	ESA	1000	0960	102 R3
100,0	96,0	0/-0.035	15,2	ESA	1000	0960	152 R3
105,0	101,0	0/-0.035	20,3	ESA	1050	1010	203 R3
110,0	106,0	0/-0.035	20,3	ESA	1100	1060	203 R3
115,0	111,0	0/-0.035	20,3	ESA	1150	1110	203 R3
120,0	116,0	0/-0.035	20,3	ESA	1200	1160	203 R3
125,0	121,0	0/-0.040	15,2	ESA	1250	1210	152 R3
125,0	121,0	0/-0.040	20,3	ESA	1250	1210	203 R3
130,0	126,0	0/-0.040	20,3	ESA	1300	1260	203 R3
135,0	131,0	0/-0.040	20,3	ESA	1350	1310	203 R3
140,0	136,0	0/-0.040	20,3	ESA	1400	1360	203 R3
150,0	146,0	0/-0.040	25,4	ESA	1500	1460	254 R3
160,0	155,0	0/-0.040	5,6	ESA	1600	1550	056 R3

**ESA**

D _{H11}	d _{h7}	toll _{h7}	E _{+0,2}	ART / ITEM			
160,0	155,0	0/-0.040	15,0	ESA	1600	1550	150 R3
160,0	156,0	0/-0.040	15,2	ESA	1600	1560	152 R3
160,0	157,0	0/-0.040	5,6	ESA	1600	1570	056 R3
180,0	176,0	0/-0.040	25,4	ESA	1800	1760	254 R3
200,0	195,0	0/-0.046	15,0	ESA	2000	1950	150 R3
200,0	196,0	0/-0.046	20,3	ESA	2000	1960	203 R3
200,0	196,0	0/-0.046	25,4	ESA	2000	1960	254 R3
220,0	216,0	0/-0.046	30,5	ESA	2200	2160	305 R3
250,0	245,0	0/-0.046	20,0	ESA	2500	2450	200 R3
250,0	246,0	0/-0.046	20,3	ESA	2500	2460	203 R3
250,0	246,0	0/-0.046	30,5	ESA	2500	2460	305 R3

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.