

HIS

ANELLI GUIDA INTERNO TIPO HIS

Descrizione

I pattini di guida tipo HIS hanno la funzione di mantenere in asse tutto il sistema cilindro (stelo con testata e pistone con camicia) e svolgono due importanti compiti: aiutano la tenuta stelo, il raschiatore e la tenuta pistone a lavorare senza disallineamenti ed evitano il contatto tra le parti metalliche.
Il materiale, con un coefficiente di attrito molto basso, non crea perdite di carico (linearità) e sopporta deformazioni elevate sotto carico grazie al punto di rammollimento vicino al punto di fusione (lavora in esercizio a 115° C). Per facilitare la scelta della guida pistone o stelo e conoscerne l'altezza più idonea consigliamo la formula a p.139.

Dati tecnici

Velocità: ‹ 0,8 m/s
Temperatura: da - 40° C a + 115° C
Fluidi: oli e fluidi a base minerale (v. tabella 3 a p. 14)

Materiale

Il materiale è una resina poliacetalica rinforzata con fibra di vetro.
Per temperature di esercizio superiori ai 115° C il materiale è una resina poliammidica rinforzata.
Codice materiale per temp ‹ 115° C: Ro
Codice materiale per temp › 115° C: R1

Montaggio

La guida tagliata e l'ottima elasticità semplificano il montaggio, mentre la presenza di smussi sui due lati facilita l'inserimento dello stelo.

Nota: sezione tecnica guide p.158

HIS TYPE INTERNAL WEAR RING

Description

The HIS wear rings have been developed in order to keep all the parts of the cylinder aligned (the rod with the head, the piston with the bore).
They play an important role as they help the rod seal, the wiper and the piston seal working without any misalignments and at the same time they prevent any contact between the metal parts. The material, which has a very low friction factor, does not cause load losses (linearity).
It endures deformations under heavy loads, as the softening point is close to the fusion point (it works at 115° C). For an easier choice of the piston or rod guide, we suggest the use of the formula at page 139 to find the wear ring length.

Technical data

Speed: ‹ *0,8 m/s*
Temperature: from - 40° C to + 115° C
Fluids: mineral oils and fluids (see table 3, page 14)

Material

The material is a polyacetal resin reinforced with fibreglass.
For working temperatures higher than 115° C, the material is a reinforced polyamide resin.
Compound reference for temp ‹ 115° C: Ro
Compound reference for temp › 115° C: R1

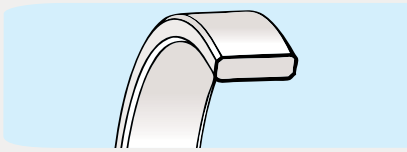
Assembling

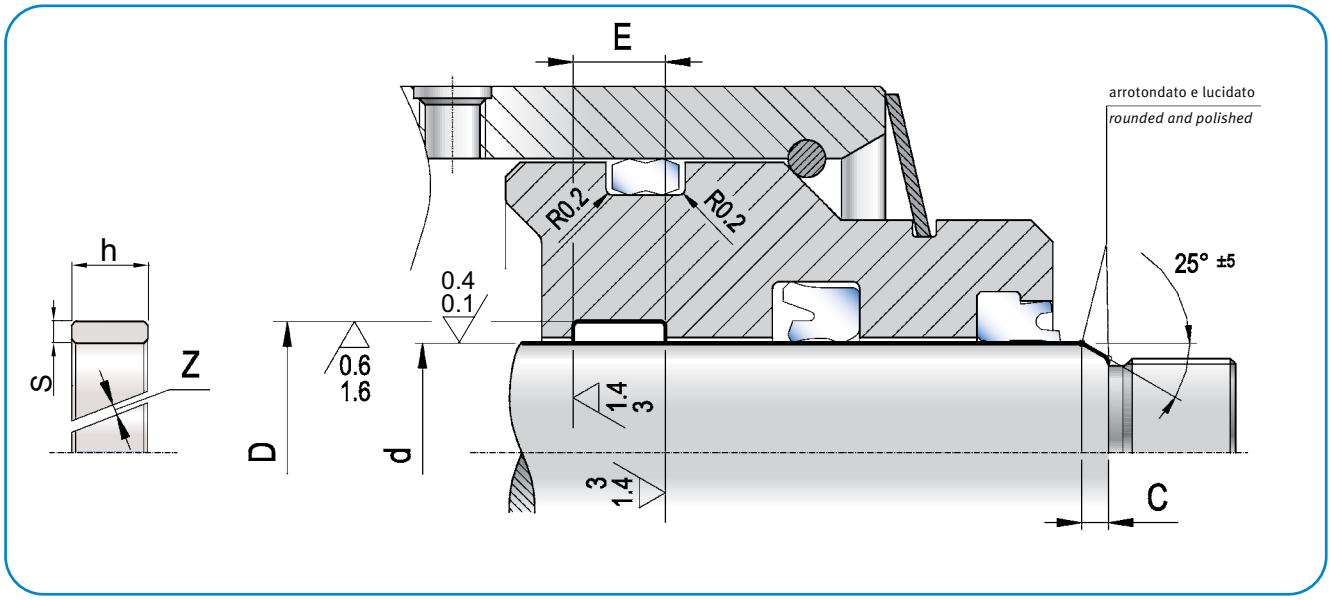
The assembling can be easily done since the wear ring is cut and extremely elastic.
The chamfers on both sides have been studied to better insert the wear ring in the rod.

Note: wear rings technical section p.158

ARTIC SEALS

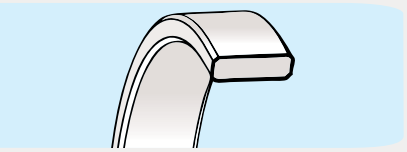
HIS





d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
12,0	16,0	9,6	› 3	HIS 0120 0160 096 Ro
14,0	18,0	9,6	› 3	HIS 0140 0180 096 Ro
16,0	20,0	9,6	› 3	HIS 0160 0200 096 Ro
18,0	22,0	9,6	› 3	HIS 0180 0220 096 Ro
20,0	24,0	9,6	› 3	HIS 0200 0240 096 Ro
20,0	25,0	5,6	› 3	HIS 0200 0250 056 Ro
20,0	25,0	9,7	› 3	HIS 0200 0250 097 Ro
22,0	26,0	9,6	› 3	HIS 0220 0260 096 Ro
22,0	27,0	5,6	› 3	HIS 0220 0270 056 Ro
22,0	27,0	9,7	› 3	HIS 0220 0270 097 Ro
25,0	29,0	9,6	› 3	HIS 0250 0290 096 Ro
25,0	30,0	5,6	› 3	HIS 0250 0300 056 Ro
25,0	30,0	9,7	› 3	HIS 0250 0300 097 Ro
26,0	30,0	9,6	› 3	HIS 0260 0300 096 Ro
27,0	32,0	5,6	› 3	HIS 0270 0320 056 Ro
27,0	32,0	9,7	› 3	HIS 0270 0320 097 Ro
28,0	32,0	9,6	› 3	HIS 0280 0320 096 Ro
28,0	33,0	5,6	› 3	HIS 0280 0330 056 Ro
28,0	33,0	9,7	› 3	HIS 0280 0330 097 Ro
30,0	34,0	9,6	› 3	HIS 0300 0340 096 Ro
30,0	35,0	5,6	› 3	HIS 0300 0350 056 Ro
30,0	35,0	9,7	› 3	HIS 0300 0350 097 Ro
32,0	36,0	9,6	› 3	HIS 0320 0360 096 Ro
32,0	37,0	5,6	› 3	HIS 0320 0370 056 Ro

d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
32,0	37,0	9,7	› 3	HIS 0320 0370 097 Ro
35,0	39,0	9,6	› 3	HIS 0350 0390 096 Ro
35,0	40,0	5,6	› 3	HIS 0350 0400 056 Ro
35,0	40,0	9,7	› 3	HIS 0350 0400 097 Ro
36,0	40,0	9,6	› 3	HIS 0360 0400 096 Ro
36,0	41,0	5,6	› 3	HIS 0360 0410 056 Ro
36,0	41,0	9,7	› 3	HIS 0360 0410 097 Ro
38,0	42,0	9,6	› 3	HIS 0380 0420 096 Ro
40,0	44,0	9,6	› 3	HIS 0400 0440 096 Ro
40,0	45,0	5,6	› 3	HIS 0400 0450 056 Ro
40,0	45,0	9,7	› 3	HIS 0400 0450 097 Ro
40,0	45,0	15,0	› 3	HIS 0400 0450 150 Ro
42,0	46,0	9,6	› 3	HIS 0420 0460 096 Ro
42,0	48,0	9,6	› 3	HIS 0420 0480 096 Ro
43,0	48,0	5,6	› 3	HIS 0430 0480 056 Ro
45,0	50,0	5,6	› 3	HIS 0450 0500 056 Ro
45,0	50,0	9,7	› 3	HIS 0450 0500 097 Ro
45,0	50,0	15,0	› 3	HIS 0450 0500 150 Ro
45,0	51,0	9,6	› 3	HIS 0450 0510 096 Ro
46,0	52,0	9,6	› 3	HIS 0460 0520 096 Ro
47,0	52,0	5,6	› 3	HIS 0470 0520 056 Ro
47,0	52,0	9,7	› 3	HIS 0470 0520 097 Ro
48,0	54,0	9,6	› 3	HIS 0480 0540 096 Ro
50,0	55,0	5,6	› 3	HIS 0500 0550 056 Ro

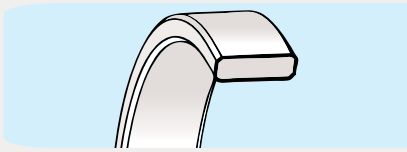


HIS

d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
50,0	55,0	9,7	› 3	HIS 0500 0550 097 Ro
50,0	55,0	15,0	› 3	HIS 0500 0550 150 Ro
50,0	56,0	9,6	› 3	HIS 0500 0560 096 Ro
52,0	57,0	9,7	› 3	HIS 0520 0570 097 Ro
55,0	60,0	5,6	› 3	HIS 0550 0600 056 Ro
55,0	60,0	9,7	› 3	HIS 0550 0600 097 Ro
55,0	60,0	15,0	› 3	HIS 0550 0600 150 Ro
55,0	61,0	9,6	› 3	HIS 0550 0610 096 Ro
56,0	61,0	5,6	› 3	HIS 0560 0610 056 Ro
56,0	61,0	9,7	› 3	HIS 0560 0610 097 Ro
56,0	62,0	12,8	› 3	HIS 0560 0620 128 Ro
58,0	63,0	5,6	› 3	HIS 0580 0630 056 Ro
58,0	63,0	9,7	› 3	HIS 0580 0630 097 Ro
60,0	65,0	5,6	› 3	HIS 0600 0650 056 Ro
60,0	65,0	9,7	› 3	HIS 0600 0650 097 Ro
60,0	65,0	15,0	› 3	HIS 0600 0650 150 Ro
60,0	66,0	12,8	› 3	HIS 0600 0660 128 Ro
63,0	68,0	5,6	› 3	HIS 0630 0680 056 Ro
63,0	68,0	9,7	› 3	HIS 0630 0680 097 Ro
63,0	69,0	12,8	› 3	HIS 0630 0690 128 Ro
65,0	70,0	5,6	› 3	HIS 0650 0700 056 Ro
65,0	70,0	9,7	› 3	HIS 0650 0700 097 Ro
65,0	70,0	15,0	› 3	HIS 0650 0700 150 Ro
65,0	71,0	12,8	› 3	HIS 0650 0710 128 Ro
67,0	72,0	5,6	› 3	HIS 0670 0720 056 Ro
70,0	75,0	5,6	› 3	HIS 0700 0750 056 Ro
70,0	75,0	9,7	› 3	HIS 0700 0750 097 Ro
70,0	75,0	15,0	› 3	HIS 0700 0750 150 Ro
70,0	76,0	30,0	› 3	HIS 0700 0760 300 Ro
70,0	76,0	12,8	› 3	HIS 0700 0760 128 Ro
72,0	78,0	12,8	› 3	HIS 0720 0780 128 Ro
75,0	80,0	5,6	› 4	HIS 0750 0800 056 Ro
75,0	80,0	9,7	› 4	HIS 0750 0800 097 Ro
75,0	80,0	15,0	› 4	HIS 0750 0800 150 Ro
75,0	81,0	12,8	› 4	HIS 0750 0810 128 Ro
76,0	82,0	12,8	› 4	HIS 0760 0820 128 Ro
80,0	85,0	5,6	› 4	HIS 0800 0850 056 Ro
80,0	85,0	9,7	› 4	HIS 0800 0850 097 Ro
80,0	85,0	15,0	› 4	HIS 0800 0850 150 Ro
80,0	86,0	12,8	› 4	HIS 0800 0860 128 Ro
85,0	90,0	5,6	› 4	HIS 0850 0900 056 Ro
85,0	90,0	9,7	› 4	HIS 0850 0900 097 Ro
85,0	90,0	15,0	› 4	HIS 0850 0900 150 Ro
85,0	91,0	12,8	› 4	HIS 0850 0910 128 Ro
90,0	95,0	5,6	› 4	HIS 0900 0950 056 Ro

d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
90,0	95,0	9,7	› 4	HIS 0900 0950 097 Ro
90,0	95,0	15,0	› 4	HIS 0900 0950 150 Ro
90,0	96,0	12,8	› 4	HIS 0900 0960 128 Ro
92,0	97,0	5,6	› 4	HIS 0920 0970 056 Ro
95,0	100,0	5,6	› 4	HIS 0950 1000 056 Ro
95,0	100,0	9,7	› 4	HIS 0950 1000 097 Ro
95,0	100,0	15,0	› 4	HIS 0950 1000 150 Ro
95,0	100,0	20,0	› 4	HIS 0950 1000 200 Ro
95,0	100,0	25,0	› 4	HIS 0950 1000 250 Ro
95,0	101,0	12,8	› 4	HIS 0950 1010 128 Ro
100,0	105,0	5,6	› 4	HIS 1000 1050 056 Ro
100,0	105,0	9,7	› 4	HIS 1000 1050 097 Ro
100,0	105,0	15,0	› 4	HIS 1000 1050 150 Ro
100,0	105,0	20,0	› 4	HIS 1000 1050 200 Ro
100,0	105,0	25,0	› 4	HIS 1000 1050 250 Ro
100,0	106,0	12,8	› 4	HIS 1000 1060 128 Ro
105,0	110,0	9,7	› 4	HIS 1050 1100 097 Ro
105,0	110,0	15,0	› 4	HIS 1050 1100 150 Ro
105,0	110,0	20,0	› 4	HIS 1050 1100 200 Ro
105,0	110,0	25,0	› 4	HIS 1050 1100 250 Ro
105,0	111,0	12,8	› 4	HIS 1050 1110 128 Ro
110,0	115,0	9,7	› 4	HIS 1100 1150 097 Ro
110,0	115,0	15,0	› 4	HIS 1100 1150 150 Ro
110,0	115,0	20,0	› 4	HIS 1100 1150 200 Ro
110,0	115,0	25,0	› 4	HIS 1100 1150 250 Ro
110,0	116,0	12,8	› 4	HIS 1100 1160 128 Ro
115,0	120,0	9,7	› 4	HIS 1150 1200 097 Ro
115,0	120,0	15,0	› 4	HIS 1150 1200 150 Ro
115,0	120,0	20,0	› 4	HIS 1150 1200 200 Ro
115,0	120,0	25,0	› 4	HIS 1150 1200 250 Ro
115,0	121,0	12,8	› 4	HIS 1150 1210 128 Ro
120,0	125,0	9,7	› 4	HIS 1200 1250 097 Ro
120,0	125,0	15,0	› 4	HIS 1200 1250 150 Ro
120,0	125,0	20,0	› 4	HIS 1200 1250 200 Ro
120,0	125,0	25,0	› 4	HIS 1200 1250 250 Ro
120,0	126,0	12,8	› 4	HIS 1200 1260 128 Ro
125,0	130,0	9,7	› 4	HIS 1250 1300 097 Ro
125,0	130,0	15,0	› 4	HIS 1250 1300 150 Ro
125,0	130,0	20,0	› 4	HIS 1250 1300 200 Ro
125,0	130,0	25,0	› 4	HIS 1250 1300 250 Ro
125,0	131,0	12,8	› 4	HIS 1250 1310 128 Ro
130,0	135,0	15,0	› 4	HIS 1300 1350 150 Ro
130,0	135,0	20,0	› 4	HIS 1300 1350 200 Ro
130,0	135,0	25,0	› 4	HIS 1300 1350 250 Ro
130,0	136,0	12,8	› 4	HIS 1300 1360 128 Ro

HIS



d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
135,0	140,0	15,0	› 4	HIS 1350 1400 150 Ro
135,0	140,0	20,0	› 4	HIS 1350 1400 200 Ro
135,0	140,0	25,0	› 4	HIS 1350 1400 250 Ro
135,0	141,0	12,8	› 4	HIS 1350 1410 128 Ro
140,0	145,0	15,0	› 4	HIS 1400 1450 150 Ro
140,0	145,0	20,0	› 4	HIS 1400 1450 200 Ro
140,0	145,0	25,0	› 4	HIS 1400 1450 250 Ro
140,0	146,0	12,8	› 4	HIS 1400 1460 128 Ro
145,0	150,0	9,7	› 4	HIS 1450 1500 097 Ro
145,0	150,0	15,0	› 4	HIS 1450 1500 150 Ro
145,0	150,0	20,0	› 4	HIS 1450 1500 200 Ro
145,0	150,0	25,0	› 4	HIS 1450 1500 250 Ro
145,0	151,0	12,8	› 4	HIS 1450 1510 128 Ro
150,0	155,0	15,0	› 4	HIS 1500 1550 150 Ro
150,0	156,0	12,8	› 4	HIS 1500 1560 128 Ro
155,0	161,0	19,2	› 4	HIS 1550 1610 192 Ro
160,0	166,0	19,2	› 5	HIS 1600 1660 192 Ro
165,0	171,0	19,2	› 5	HIS 1650 1710 192 Ro

d_{h9}	D $^{-0}_{+0,05}$	E $_{+0,2}$	C	ART / *ITEM*
170,0	176,0	19,2	› 5	HIS 1700 1760 192 Ro
175,0	181,0	19,2	› 5	HIS 1750 1810 192 Ro
180,0	186,0	19,2	› 5	HIS 1800 1860 192 Ro
185,0	191,0	19,2	› 5	HIS 1850 1910 192 Ro
190,0	196,0	19,2	› 5	HIS 1900 1960 192 Ro
195,0	201,0	19,2	› 5	HIS 1950 2100 192 Ro
200,0	206,0	19,2	› 5	HIS 2000 2060 192 Ro
205,0	211,0	19,2	› 5	HIS 2050 2110 192 Ro
210,0	216,0	19,2	› 5	HIS 2100 2160 192 Ro
215,0	221,0	19,2	› 5	HIS 2150 2210 192 Ro
220,0	226,0	19,2	› 5	HIS 2200 2260 192 Ro
225,0	231,0	19,2	› 5	HIS 2250 2310 192 Ro
230,0	236,0	19,2	› 5	HIS 2300 2360 192 Ro
235,0	241,0	19,2	› 5	HIS 2350 2410 192 Ro
240,0	246,0	19,2	› 5	HIS 2400 2460 192 Ro
245,0	251,0	19,2	› 5	HIS 2450 2510 192 Ro