

RLF®

TENUTA STELO TIPO RLF®

Descrizione

La tenuta tipo RLF® ha un profilo innovativo rispetto alle tradizionali guarnizioni a labbro. Nella parte statica presenta un labbro molto lungo rispetto al labbro dinamico che resta vicino al fondo sede.
In questo modo si genera pochissimo attrito in esercizio e il labbro si autoallinea perfettamente allo stelo. La base della guarnizione, sia nella parte dinamica sia in quella statica, ha due grossi raggi che facilitano il montaggio e contemporaneamente non creano spigoli che, sotto pressione, determinerebbero estrusione.

Dati tecnici

Pressione:	‹ 400 bar a temperatura di 60° C
Velocità:	‹ 0.5 m/s
Temperatura:	da – 35° C a + 100° C con punte fino a 110° C
Fluidi:	fluidi a base minerale (v. tabella 3 a p. 14)

Materiale

Il materiale utilizzato e' un poliuretano tipo Co ad alto modulo elastico, basso compression-set ed elevata resistenza all'usura.
Ha una durezza 93 Sh A ± 2
Codice materiale: Co

Montaggio

Eliminare bave e spigoli vivi presenti nella sede e sullo stelo per evitare che la guarnizione si danneggi.

Importante: lo stelo deve avere uno smusso di invito molto curato per non rovesciare la guarnizione durante il montaggio. Fare riferimento alla tabella dimensionale qui di seguito per le quote consigliateper lo smusso. È sempre consigliato lubrificare la guarnizione prima del montaggio.

PIPE SEAL TYPE RLF®

Description

The RLF® seal has an innovative profile compared to traditional lip seals. In the static part, the lip is much longer than the dynamic lip and is close to the bottom of the housing. The friction thus generated during operation is very low and there is perfect auto-alignment with the rod. Two wide radii at the bottom of the seal, both in the dynamic and in the static section, considerably ease assembly and, at the same time, no edges develop under pressure, which would be a cause for extrusion.
The contact surface at the bottom of the seal shows some roughness which, together with the notches,release the pressure generated by possible pumpingmovements.

Technical data

Pressure:	*‹ 400 bar, at a temperature of 60° C*
Speed:	*‹ 0.5 m/s*
Temperature:	*from – 35° C to + 100° C, with peaks up to 110° C*
Fluids:	*mineral fluids (see table 3, page 14)*

Material

The material used is a Co-type polyurethane with high elasticity modulus, low compression-set and high resistance to wear.
The hardness is 93 Sh A ± 2
Compound reference: Co

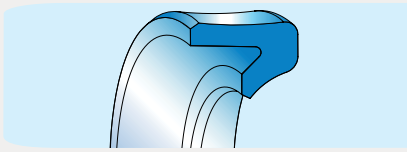
Assembling

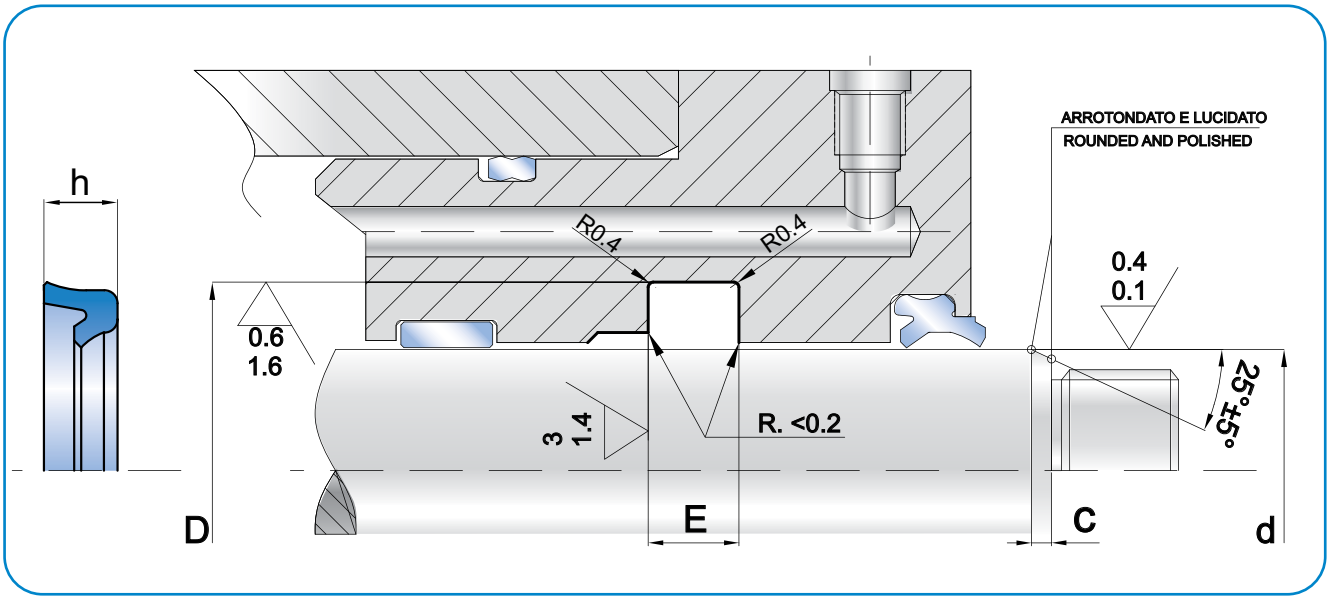
To prevent any damage to the seal, remove any flash and sharp edges in the housing and on the rod.

Warning: the rod needs a very accurate lead-in chamfer in order not to distort the seal during assembly. Please refer to the dimensional table below for the recommended dimensions for the lead-in chamfer. The seal should always be lubricated before assembly.

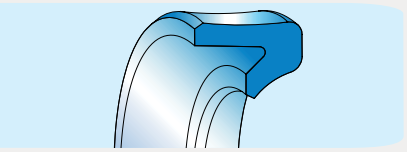
ARTIC SEALS

RLF®





d_{h9}	D_{H10}	h	$E_{+0,2}$	C	ART / *ITEM*
3,5	7,5	4,0	4,5	3,5	RLF 0035 0075 040 Co
4,0	7,4	3,0	3,5	3,5	RLF 0040 0074 030 Co
6,0	9,0	3,5	4,0	3,5	RLF 0060 0090 035 Co
6,0	9,5	3,5	4,0	3,5	RLF 0060 0095 035 Co
7,5	12,5	3,5	4,0	3,5	RLF 0075 0125 035 Co
8,0	13,0	3,5	4,0	3,5	RLF 0080 0130 035 Co
8,0	14,1	5,6	6,3	4,0	RLF 0080 0141 056 Co
9,0	14,0	3,5	4,0	3,5	RLF 0090 0140 035 Co
10,0	15,0	3,5	4,0	3,5	RLF 0100 0150 035 Co
10,0	16,0	4,5	5,5	3,5	RLF 0100 0160 045 Co
11,0	16,0	3,5	4,0	3,5	RLF 0110 0160 035 Co
12,0	17,0	3,5	4,0	3,5	RLF 0120 0170 035 Co
15,0	20,0	4,5	5,5	4,0	RLF 0150 0200 045 Co
20,0	26,0	4,8	5,5	4,0	RLF 0200 0260 048 Co
25,0	33,0	4,5	5,5	4,0	RLF 0250 0330 045 Co
25,0	33,0	5,7	6,3	4,0	RLF 0250 0330 057 Co
28,0	36,0	5,7	6,3	4,0	RLF 0280 0360 057 Co
30,0	40,0	10,0	11,0	4,5	RLF 0300 0400 100 Co
32,0	42,0	7,3	8,0	4,0	RLF 0320 0420 073 Co
35,0	45,0	7,3	8,0	4,0	RLF 0350 0450 073 Co
36,0	44,0	5,7	6,3	4,0	RLF 0360 0440 057 Co
40,0	48,0	6,3	7,0	4,0	RLF 0400 0480 063 Co
40,0	50,0	7,3	8,0	4,5	RLF 0400 0500 073 Co
40,0	50,0	10,0	11,0	4,5	RLF 0400 0500 100 Co
45,0	55,0	7,3	8,0	4,5	RLF 0450 0550 073 Co
50,0	60,0	7,3	8,0	4,5	RLF 0500 0600 073 Co
50,0	60,0	9,0	10,0	4,5	RLF 0500 0600 090 Co

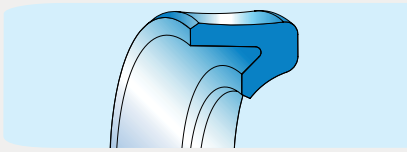


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d_{h9}	D_{H10}	h	$E_{+0,2}$	C	ART / *ITEM*
50,0	60,0	10,0	11,0	4,5	RLF 0500 0600 100 Co
50,0	65,0	10,0	11,0	5,5	RLF 0500 0650 100 Co
50,0	65,0	11,5	12,5	5,5	RLF 0500 0650 115 Co
50,8	66,7	11,5	12,5	5,5	RLF 0508 0667 115 Co
51,0	59,0	7,5	8,5	5,5	RLF 0510 0590 075 Co
55,0	65,0	7,3	8,0	4,5	RLF 0550 0650 073 Co
55,0	65,0	9,0	10,0	4,5	RLF 0550 0650 090 Co
60,0	68,0	6,0	7,0	4,5	RLF 0600 0680 060 Co
60,0	70,0	7,3	8,0	4,5	RLF 0600 0700 073 Co
60,0	70,0	9,0	10,0	4,5	RLF 0600 0700 090 Co
60,0	70,0	10,0	11,0	4,5	RLF 0600 0700 100 Co
60,0	75,0	11,5	12,5	5,5	RLF 0600 0750 115 Co
60,0	75,0	12,0	13,0	5,5	RLF 0600 0750 120 Co
63,0	78,0	11,5	12,5	5,5	RLF 0630 0780 115 Co
65,0	75,0	7,3	8,0	4,5	RLF 0650 0750 073 Co
65,0	75,0	9,0	10,0	4,5	RLF 0650 0750 090 Co
65,0	75,0	10,0	11,0	4,5	RLF 0650 0750 100 Co
66,0	74,0	9,0	10,0	4,5	RLF 0660 0740 090 Co
70,0	80,0	7,3	8,0	4,5	RLF 0700 0800 073 Co
70,0	80,0	10,0	11,0	4,5	RLF 0700 0800 100 Co
70,0	84,0	11,5	12,5	4,5	RLF 0700 0840 115 Co
70,0	85,0	11,5	12,5	5,5	RLF 0700 0850 115 Co
75,0	82,5	7,3	8,0	4,5	RLF 0750 0825 073 Co
75,0	85,0	7,3	8,0	4,5	RLF 0750 0850 073 Co
75,0	85,0	10,0	11,0	4,5	RLF 0750 0850 100 Co
75,0	90,0	11,5	12,5	4,5	RLF 0750 0900 115 Co
80,0	95,0	11,5	12,5	5,5	RLF 0800 0950 115 Co
80,0	100,0	13,5	14,5	5,5	RLF 0800 1000 135 Co
85,0	95,0	7,3	8,0	4,5	RLF 0850 0950 073 Co
85,0	95,0	10,0	11,0	4,5	RLF 0850 0950 100 Co
85,0	105,0	13,5	14,5	5,5	RLF 0850 1050 135 Co
90,0	100,0	6,7	7,5	4,5	RLF 0900 1000 067 Co
90,0	100,0	10,0	11,0	4,5	RLF 0900 1000 100 Co
90,0	105,0	11,5	12,5	5,5	RLF 0900 1050 115 Co
90,0	110,0	11,5	12,5	5,5	RLF 0900 1100 115 Co
95,0	110,0	11,5	12,5	5,5	RLF 0950 1100 115 Co
100,0	120,0	11,5	12,5	5,5	RLF 1000 1200 115 Co
100,0	120,0	15,0	16,0	6,0	RLF 1000 1200 150 Co
105,0	120,0	11,5	12,5	5,5	RLF 1050 1200 115 Co
105,0	125,0	15,0	16,0	6,0	RLF 1050 1250 150 Co
110,0	130,0	11,5	12,5	5,5	RLF 1100 1300 115 Co
110,0	130,0	15,0	16,0	6,0	RLF 1100 1300 150 Co
120,0	135,0	11,5	12,5	5,5	RLF 1200 1350 115 Co
120,0	135,0	15,0	16,0	5,5	RLF 1200 1350 160 Co
120,0	140,0	11,5	12,5	5,5	RLF 1200 1400 115 Co

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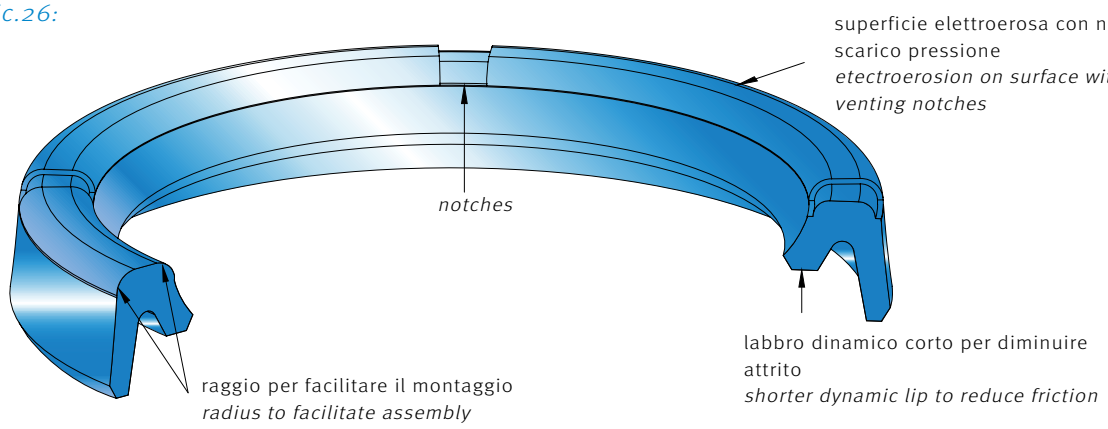


d_{h9}	D_{H10}	h	$E_{+0,2}$	C	ART / *ITEM*
120,0	140,0	15,0	16,0	6,0	RLF 1200 1400 150 Co
125,0	145,0	15,0	16,0	6,0	RLF 1250 1450 150 Co
130,0	145,0	14,0	15,0	6,0	RLF 1300 1450 140 Co
150,0	165,0	12,0	13,0	6,0	RLF 1500 1650 120 Co
160,0	175,0	14,0	15,0	6,0	RLF 1600 1750 140 Co
180,0	195,0	11,5	12,5	6,0	RLF 1800 1950 115 Co
200,0	220,0	13,5	14,5	6,0	RLF 2000 2200 135 Co

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.

Fig. 26- *Pic.26:*



PATENT