

RPS

TENUTA STELO / PISTONE TIPO RPS

Descrizione

La guarnizione tipo RPS, grazie al profilo simmetrico, può essere utilizzata per tenuta su stelo, su pistone e per cilindri che lavorano a semplice o a doppio effetto. Il profilo a labbri uguali e la profondità della gola garantiscono una frizione ridotta e un movimento lineare anche a bassa pressione.

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: oli idraulici minerali (v. tabella 3 a p. 14)

Materiali

Il materiale proposto è il poliuretano tipo Co ad alto modulo elastico, basso compression-set e buona resistenza all'abrasione.
Ha una durezza di 93 Shore A ± 2.
Codice materiale: Co

Montaggio

Il montaggio è facilitato dall'alto modulo elastico del poliuretano.

- Ingrassare la guarnizione
- togliere spigoli e bave che danneggerebbero la tenuta.

Per ulteriori informazioni leggere le istruzioni a p. 63.

RPS TYPE ROD/PISTON SEAL

Description

The RPS seal type,due to its symmetrical profile, it can be used both for rod and piston sealing applications and for cylinders working with simple or double effect.
The profile with equal lips and the deep groove ensures low friction and a linear movement even at low pressure.

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 till + 110° C
Fluids: mineral hydraulic oils (see table 3, page 14)

Material

The proposed material is a "Co" type polyurethane, with high elasticity modulus, fundamental for the sealing, low compression-set and high abrasion resistance.
The hardness is 93 Shore A ± 2.
Compound reference: Co

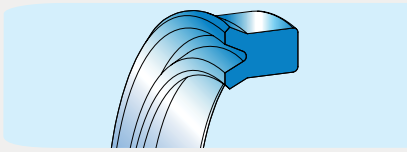
Assembling

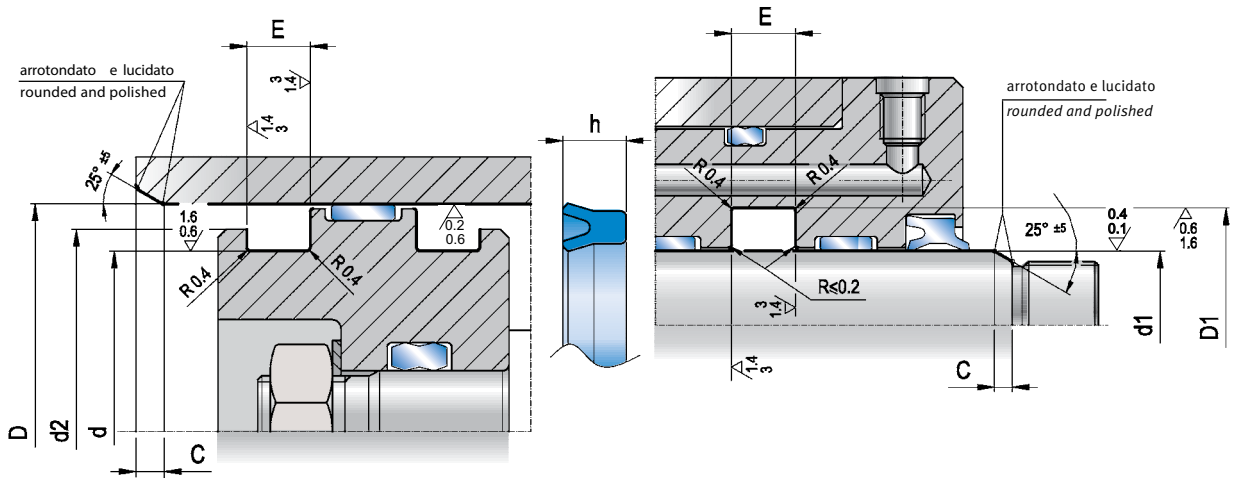
The high modulus of elasticity of the polyurethane helps the assembling.

- *It is recommended to lubricate the seals before installation*
- *eliminate any edges or flash which could damage the seal.*

For further information please refer to the installation instructions on page 63.

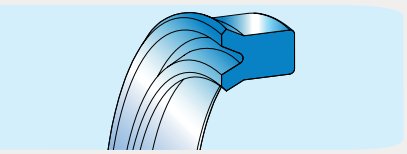
RPS





d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
4,0	8,0	3,5	4,0	6,0	2,0	RPS 0040 0080 035 Co
4,0	9,0	4,0	4,5	6,5	3,0	RPS 0040 0090 040 Co
4,0	10,0	4,0	4,5	7,0	3,0	RPS 0040 0100 040 Co
5,0	12,0	4,5	5,0	8,5	3,0	RPS 0050 0120 045 Co
5,0	12,0	5,0	5,5	8,5	3,0	RPS 0050 0120 050 Co
6,0	12,0	4,0	4,5	9,0	3,0	RPS 0060 0120 040 Co
6,0	12,0	4,5	5,0	9,0	3,0	RPS 0060 0120 045 Co
6,0	12,0	5,5	6,0	9,0	3,0	RPS 0060 0120 055 Co
6,0	12,0	6,0	7,0	9,0	3,0	RPS 0060 0120 060 Co
7,0	14,0	3,5	4,0	10,5	4,0	RPS 0070 0140 035 Co
8,0	12,0	5,0	5,5	10,0	2,0	RPS 0080 0120 050 Co
8,0	14,0	5,5	6,0	11,0	3,0	RPS 0080 0140 055 Co
8,0	14,0	6,0	7,0	11,0	3,0	RPS 0080 0140 060 Co
8,0	15,0	5,7	6,3	11,0	4,0	RPS 0080 0150 057 Co
8,0	16,0	5,5	6,0	12,0	4,0	RPS 0080 0160 055 Co
8,0	16,0	5,7	6,3	12,0	3,5	RPS 0080 0160 057 Co
8,0	16,0	7,0	8,0	12,0	3,5	RPS 0080 0160 070 Co
9,0	19,0	6,0	7,0	14,0	4,0	RPS 0090 0190 060 Co
10,0	16,0	6,0	6,5	13,0	3,0	RPS 0100 0160 060 Co
10,0	18,0	5,5	6,0	14,0	3,5	RPS 0100 0180 055 Co
10,0	18,0	5,7	6,3	14,0	3,5	RPS 0100 0180 057 Co
10,0	18,0	6,0	7,0	14,0	3,5	RPS 0100 0180 060 Co
10,0	18,0	8,0	9,0	14,0	3,5	RPS 0100 0180 080 Co
10,0	19,0	3,2	3,5	14,5	4,0	RPS 0100 0190 032 Co
10,0	20,0	7,0	8,0	15,0	4,0	RPS 0100 0200 070 Co
10,0	20,0	8,0	9,0	15,0	4,0	RPS 0100 0200 080 Co
12,0	18,0	5,0	5,5	15,0	3,0	RPS 0120 0180 050 Co

d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
12,0	18,0	6,0	7,0	15,0	3,0	RPS 0120 0180 060 Co
12,0	20,0	4,0	4,5	16,0	4,5	RPS 0120 0200 040 Co
12,0	20,0	7,0	8,0	16,0	3,5	RPS 0120 0200 070 Co
12,0	20,0	8,0	9,0	16,0	3,5	RPS 0120 0200 080 Co
12,0	22,0	5,0	6,0	17,0	4,0	RPS 0120 0220 050 Co
12,0	22,0	7,0	8,0	17,0	4,0	RPS 0120 0220 070 Co
12,0	22,0	8,0	9,0	17,0	4,0	RPS 0120 0220 080 Co
12,0	24,0	8,0	9,0	18,0	5,0	RPS 0120 0240 080 Co
12,0	25,0	10,0	11,0	18,5	5,0	RPS 0120 0250 100 Co
14,0	20,0	4,8	5,3	17,0	3,0	RPS 0140 0200 048 Co
14,0	22,0	4,0	4,5	18,0	3,5	RPS 0140 0220 040 Co
14,0	22,0	6,0	7,0	18,0	3,5	RPS 0140 0220 060 Co
14,0	22,0	8,0	9,0	18,0	3,5	RPS 0140 0220 080 Co
14,0	22,0	11,0	12,0	18,0	3,5	RPS 0140 0220 110 Co
14,0	24,0	7,0	8,0	19,0	4,0	RPS 0140 0240 070 Co
14,0	24,0	8,0	9,0	19,0	4,0	RPS 0140 0240 080 Co
15,0	25,0	8,0	9,0	20,0	4,0	RPS 0150 0250 080 Co
15,0	25,0	10,0	11,0	20,0	4,0	RPS 0150 0250 100 Co
16,0	22,0	4,0	4,5	19,0	3,0	RPS 0160 0220 040 Co
16,0	22,0	5,0	5,5	19,0	3,0	RPS 0160 0220 050 Co
16,0	24,0	5,0	6,0	20,0	3,5	RPS 0160 0240 050 Co
16,0	24,0	5,7	6,3	20,0	3,5	RPS 0160 0240 057 Co
16,0	24,0	7,0	8,0	20,0	3,5	RPS 0160 0240 070 Co
16,0	26,0	5,0	6,0	21,0	4,0	RPS 0160 0260 050 Co
16,0	26,0	8,0	9,0	21,0	4,0	RPS 0160 0260 080 Co
16,0	28,0	6,0	7,0	22,0	5,0	RPS 0160 0280 060 Co
17,0	25,0	4,0	5,0	21,0	3,0	RPS 0170 0250 040 Co

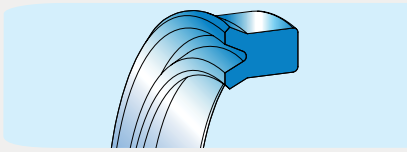


RPS

d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
17,0	25,0	10,0	11,0	21,0	3,0	RPS 0170 0250 100 Co
18,0	25,0	5,0	5,5	21,5	3,5	RPS 0180 0250 050 Co
18,0	26,0	6,5	7,5	22,0	3,5	RPS 0180 0260 065 Co
18,0	28,0	6,0	7,0	23,0	4,0	RPS 0180 0280 060 Co
18,0	28,0	8,0	9,0	23,0	4,0	RPS 0180 0280 080 Co
18,0	30,0	8,0	9,0	24,0	5,0	RPS 0180 0300 080 Co
19,0	25,0	6,0	7,0	22,0	3,0	RPS 0190 0250 060 Co
20,0	28,0	4,0	5,0	24,0	3,5	RPS 0200 0280 040 Co
20,0	28,0	4,5	5,0	24,0	3,5	RPS 0200 0280 045 Co
20,0	28,0	5,7	6,0	24,0	3,5	RPS 0200 0280 057 Co
20,0	30,0	8,0	9,0	25,0	4,0	RPS 0200 0300 080 Co
20,0	30,0	10,0	11,0	25,0	4,0	RPS 0200 0300 100 Co
20,0	32,0	7,5	8,5	26,0	5,0	RPS 0200 0320 075 Co
20,0	35,0	12,0	13,0	27,5	5,0	RPS 0200 0350 120 Co
20,0	40,0	10,0	11,0	30,0	7,0	RPS 0200 0400 100 Co
20,0	40,0	12,0	13,0	30,0	7,0	RPS 0200 0400 120 Co
22,0	28,0	4,5	5,5	25,0	3,0	RPS 0220 0280 045 Co
22,0	28,0	8,0	9,0	25,0	3,0	RPS 0220 0280 080 Co
22,0	30,0	6,0	7,0	26,0	3,5	RPS 0220 0300 060 Co
22,0	30,0	10,0	11,0	26,0	3,5	RPS 0220 0300 100 Co
22,0	32,0	8,0	9,0	27,0	4,0	RPS 0220 0320 080 Co
22,0	32,0	10,0	11,0	27,0	4,0	RPS 0220 0320 100 Co
22,0	35,0	10,0	11,0	28,5	5,0	RPS 0220 0350 100 Co
22,0	40,0	10,0	11,0	31,0	6,0	RPS 0220 0400 100 Co
24,0	32,0	4,0	5,0	28,0	3,5	RPS 0240 0320 040 Co
24,0	32,0	7,0	8,0	28,0	3,5	RPS 0240 0320 070 Co
25,0	35,0	5,0	6,0	30,0	4,0	RPS 0250 0350 050 Co
25,0	35,0	8,0	9,0	30,0	4,0	RPS 0250 0350 080 Co
25,0	35,0	10,0	11,0	30,0	4,0	RPS 0250 0350 100 Co
25,0	38,0	10,0	11,0	31,5	5,0	RPS 0250 0380 100 Co
25,0	40,0	10,0	11,0	32,5	5,0	RPS 0250 0400 100 Co
28,0	32,8	3,0	4,0	30,4	3,0	RPS 0280 0328 030 Co
28,0	35,0	5,0	5,5	31,5	3,0	RPS 0280 0350 050 Co
28,0	36,0	5,7	6,3	33,0	4,0	RPS 0280 0360 057 Co
28,0	36,0	6,5	7,5	32,0	3,5	RPS 0280 0360 065 Co
28,0	38,0	5,7	6,3	33,0	4,0	RPS 0280 0380 057 Co
28,0	38,0	8,0	9,0	33,0	4,0	RPS 0280 0380 080 Co
28,0	40,0	10,0	11,0	34,0	5,0	RPS 0280 0400 100 Co
30,0	38,0	6,0	6,5	34,0	4,0	RPS 0300 0380 060 Co
30,0	38,0	7,2	8,0	34,0	4,0	RPS 0300 0380 072 Co
30,0	40,0	5,0	5,5	35,0	5,0	RPS 0300 0400 050 Co
30,0	40,0	7,0	8,0	35,0	5,0	RPS 0300 0400 070 Co
30,0	40,0	10,0	11,0	35,0	5,0	RPS 0300 0400 100 Co
30,0	42,0	9,0	10,0	36,0	5,5	RPS 0300 0420 090 Co
30,0	42,0	10,0	11,0	36,0	5,5	RPS 0300 0420 100 Co

d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
30,0	45,0	10,0	11,0	37,5	6,0	RPS 0300 0450 100 Co
30,0	50,0	10,0	11,0	40,0	7,0	RPS 0300 0500 100 Co
30,0	50,0	12,0	13,0	40,0	7,0	RPS 0300 0500 120 Co
32,0	40,0	5,5	6,0	36,0	4,0	RPS 0320 0400 055 Co
32,0	40,0	5,7	6,3	36,0	4,0	RPS 0320 0400 057 Co
32,0	40,0	8,0	9,0	36,0	4,0	RPS 0320 0400 080 Co
32,0	42,0	7,0	8,0	37,0	5,0	RPS 0320 0420 070 Co
32,0	42,0	10,0	11,0	37,0	5,0	RPS 0320 0420 100 Co
32,0	45,0	10,0	11,0	38,5	5,5	RPS 0320 0450 100 Co
32,0	50,0	12,0	13,0	41,0	6,5	RPS 0320 0500 120 Co
35,0	45,0	8,0	9,0	40,0	5,0	RPS 0350 0450 080 Co
35,0	45,0	10,0	11,0	40,0	5,0	RPS 0350 0450 100 Co
35,0	48,0	10,0	11,0	41,5	5,5	RPS 0350 0480 100 Co
35,0	50,0	10,0	11,0	42,5	6,0	RPS 0350 0500 100 Co
35,0	55,0	10,0	11,0	45,0	7,0	RPS 0350 0550 100 Co
36,0	46,0	7,0	8,0	41,0	5,0	RPS 0360 0460 070 Co
38,0	45,0	5,0	5,5	41,5	3,5	RPS 0380 0450 050 Co
38,0	50,0	9,0	10,0	44,0	5,5	RPS 0380 0500 090 Co
38,0	55,0	10,0	11,0	46,5	6,5	RPS 0380 0550 100 Co
40,0	50,0	6,0	7,0	45,0	5,0	RPS 0400 0500 060 Co
40,0	50,0	6,5	7,5	45,0	5,0	RPS 0400 0500 065 Co
40,0	50,0	7,0	8,0	45,0	5,0	RPS 0400 0500 070 Co
40,0	50,0	8,0	9,0	45,0	5,0	RPS 0400 0500 080 Co
40,0	50,0	10,0	11,0	45,0	5,0	RPS 0400 0500 100 Co
40,0	55,0	10,0	11,0	47,5	6,0	RPS 0400 0550 100 Co
40,0	56,0	10,0	11,0	48,0	6,0	RPS 0400 0560 100 Co
40,0	60,0	10,0	11,0	50,0	7,0	RPS 0400 0600 100 Co
40,0	60,0	13,0	14,0	50,0	7,0	RPS 0400 0600 130 Co
42,0	52,0	9,0	10,0	47,0	5,0	RPS 0420 0520 090 Co
45,0	55,0	6,0	7,0	50,0	5,0	RSP 0450 0550 060 Co
45,0	55,0	6,5	7,5	50,0	5,0	RSP 0450 0550 065 Co
45,0	55,0	10,0	11,0	50,0	5,0	RPS 0450 0550 100 Co
45,0	60,0	10,0	11,0	52,5	6,0	RPS 0450 0600 100 Co
45,0	63,0	10,0	11,0	54,0	6,5	RPS 0450 0630 100 Co
45,0	65,0	10,0	11,0	55,0	7,0	RPS 0450 0650 100 Co
45,0	65,0	12,0	13,0	55,0	7,0	RPS 0450 0650 120 Co
48,0	58,0	10,0	11,0	53,0	5,0	RPS 0480 0580 100 Co
50,0	60,0	10,0	11,0	55,0	5,0	RPS 0500 0600 100 Co
50,0	60,0	11,0	12,0	55,0	5,0	RPS 0500 0600 110 Co
50,0	63,0	6,0	7,0	56,5	5,5	RPS 0500 0630 060 Co
50,0	65,0	10,0	11,0	57,5	6,0	RPS 0500 0650 100 Co
50,0	70,0	10,0	11,0	60,0	7,0	RPS 0500 0700 100 Co
50,0	70,0	12,0	13,0	60,0	7,0	RPS 0500 0700 120 Co
52,0	57,0	2,5	3,0	54,5	5,0	RPS 0520 0570 025 Co
53,0	63,0	6,5	7,5	58,0	5,0	RPS 0530 0630 065 Co

RPS



d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
55,0	65,0	10,0	11,0	60,0	5,0	RPS 0550 0650 100 Co
55,0	65,0	12,0	13,0	60,0	5,0	RPS 0550 0650 120 Co
55,0	70,0	12,0	13,0	62,5	6,0	RPS 0550 0700 120 Co
55,0	75,0	12,0	13,0	65,0	7,0	RPS 0550 0750 120 Co
56,0	66,0	10,0	11,0	61,0	5,0	RPS 0560 0660 100 Co
56,0	68,0	7,0	8,0	62,0	5,0	RPS 0560 0680 070 Co
56,0	71,0	10,0	11,0	63,5	6,0	RPS 0560 0710 100 Co
60,0	68,0	8,0	9,0	64,0	5,0	RPS 0600 0680 080 Co
60,0	70,0	6,0	7,0	65,0	5,0	RPS 0600 0700 060 Co
60,0	70,0	8,0	9,0	65,0	5,0	RPS 0600 0700 080 Co
60,0	70,0	10,0	11,0	65,0	5,0	RPS 0600 0700 100 Co
60,0	70,0	12,0	13,0	65,0	5,0	RPS 0600 0700 120 Co
60,0	75,0	10,0	11,0	67,5	6,0	RPS 0600 0750 100 Co
60,0	75,0	12,0	13,0	67,5	6,0	RPS 0600 0750 120 Co
60,0	80,0	10,0	11,0	70,0	7,0	RPS 0600 0800 100 Co
60,0	80,0	12,0	13,0	70,0	7,0	RPS 0600 0800 120 Co
63,0	75,0	10,0	11,0	69,0	5,5	RPS 0630 0750 100 Co
63,0	78,0	10,0	11,0	70,5	6,0	RPS 0630 0780 100 Co
63,0	80,0	10,0	11,0	71,5	6,5	RPS 0630 0800 100 Co
65,0	75,0	12,0	13,0	70,0	5,0	RPS 0650 0750 120 Co
65,0	80,0	10,0	11,0	72,5	6,0	RPS 0650 0800 100 Co
65,0	80,0	11,0	12,0	72,5	6,0	RPS 0650 0800 110 Co
65,0	80,0	12,0	13,0	72,5	6,0	RPS 0650 0800 120 CO
65,0	85,0	10,0	11,0	75,0	7,0	RPS 0650 0850 100 Co
65,0	85,0	12,0	13,0	75,0	7,0	RPS 0650 0850 120 Co
66,0	76,0	8,0	9,0	71,0	5,0	RPS 0660 0760 080 Co
67,0	77,0	12,0	13,0	72,0	5,0	RPS 0670 0770 120 Co
70,0	80,0	7,0	8,0	75,0	5,0	RPS 0700 0800 070 Co
70,0	80,0	8,0	9,0	75,0	5,0	RPS 0700 0800 080 Co
70,0	80,0	10,0	11,0	75,0	5,0	RPS 0700 0800 100 Co
70,0	80,0	12,0	13,0	75,0	5,0	RPS 0700 0800 120 Co
70,0	85,0	10,0	11,0	77,5	6,0	RPS 0700 0850 100 Co
70,0	85,0	12,0	13,0	77,5	6,0	RPS 0700 0850 120 Co
70,0	90,0	10,0	11,0	80,0	7,0	RPS 0700 0900 100 Co
70,0	90,0	12,0	13,0	80,0	7,0	RPS 0700 0900 120 Co
75,0	85,0	10,0	11,0	80,0	5,0	RPS 0750 0850 100 Co
75,0	85,0	12,0	13,0	80,0	5,0	RPS 0750 0850 120 Co
75,0	90,0	10,0	11,0	82,5	6,0	RPS 0750 0900 100 Co
75,0	90,0	12,0	13,0	82,5	6,0	RPS 0750 0900 120 Co
75,0	95,0	12,0	13,0	85,0	7,0	RPS 0750 0950 120 Co
75,0	95,0	13,5	14,5	85,0	7,0	RPS 0750 0950 135 Co
80,0	90,0	7,0	8,0	85,0	5,0	RPS 0800 0900 070 Co

d_{h11} d_{1h9}	D_{H9} D_{1H10}	h	$E_{+0,2}$	d_2**	C	ART / *ITEM*
80,0	90,0	10,0	11,0	85,0	5,0	RPS 0800 0900 100 Co
80,0	90,0	12,0	13,0	85,0	5,0	RPS 0800 0900 120 Co
80,0	95,0	12,0	13,0	87,5	6,0	RPS 0800 0950 120 Co
80,0	100,0	10,0	11,0	90,0	7,0	RPS 0800 1000 100 Co
80,0	100,0	12,0	13,0	90,0	7,0	RPS 0800 1000 120 Co
85,0	95,0	8,5	9,5	90,0	5,0	RPS 0850 0950 085 Co
85,0	95,0	12,0	13,0	90,0	5,0	RPS 0850 0950 120 Co
85,0	100,0	9,0	10,0	92,5	6,0	RPS 0850 1000 090 Co
85,0	100,0	12,0	13,0	92,5	6,0	RPS 0850 1000 120 Co
85,0	105,0	12,0	13,0	95,0	7,0	RPS 0850 1050 120 Co
90,0	100,0	7,0	8,0	95,0	5,0	RPS 0900 1000 070 Co
90,0	100,0	8,0	9,0	95,0	5,0	RPS 0900 1000 080 Co
90,0	100,0	10,5	11,5	95,0	5,0	RPS 0900 1000 105 Co
90,0	100,0	12,0	13,0	95,0	5,0	RPS 0900 1000 120 Co
90,0	105,0	12,0	13,0	97,5	6,0	RPS 0900 1050 120 Co
90,0	110,0	12,0	13,0	100,0	7,0	RPS 0900 1100 120 Co
90,0	110,0	18,0	19,0	100,0	7,0	RPS 0900 1100 180 Co
95,0	105,0	12,0	13,0	100,0	5,0	RPS 0950 1050 120 Co
95,0	110,0	12,0	13,0	102,5	6,0	RPS 0950 1100 120 Co
95,0	110,0	12,5	13,5	102,5	6,0	RPS 0950 1100 125 Co
95,0	110,0	15,0	16,0	102,5	6,0	RPS 0950 1100 150 Co
95,0	112,0	11,0	12,0	103,5	6,5	RPS 0950 1120 110 Co
95,0	115,0	12,0	13,0	105,0	7,0	RPS 0950 1150 120 Co
95,0	115,0	18,0	19,0	105,0	7,0	RPS 0950 1150 180 Co
100,0	115,0	12,0	13,0	107,5	6,0	RPS 1000 1150 120 Co
100,0	120,0	12,0	13,0	110,0	7,0	RPS 1000 1200 120 Co
100,0	120,0	15,0	14,0	110,0	7,0	RPS 1000 1200 150 Co
100,0	125,0	15,0	16,0	112,5	8,0	RPS 1000 1250 150 Co
105,0	125,0	12,0	13,0	115,0	7,0	RPS 1050 1250 120 Co
105,0	125,0	15,0	16,0	115,0	7,0	RPS 1050 1250 150 Co
110,0	130,0	15,0	16,0	120,0	7,0	RPS 1100 1300 150 Co
120,0	140,0	12,0	13,0	130,0	7,0	RPS 1200 1400 120 Co
120,0	140,0	15,0	16,0	130,0	7,0	RPS 1200 1400 150 Co
125,0	140,0	15,0	16,0	132,5	6,0	RPS 1250 1400 150 Co
130,0	150,0	15,0	16,0	140,0	7,0	RPS 1300 1500 150 Co
170,0	190,0	15,0	16,0	180,0	7,0	RPS 1700 1900 150 Co
200,0	220,0	12,0	13,0	210,0	7,0	RPS 2000 2200 120 Co

Per diametri superiori a 200mm sono disponibili le tenute tipo MAD e tipo CSC della Macma, programma dimensioni a pag. 328.
Seals type MAD and type CSC, produced by Macma, are available for diameters bigger than 200 mm, program range at page 328

* in conformità alle norme ISO/DIN 5597 e ISO 5597/1 – *in accordance with ISO/DIN 5597 and ISO 5597/1 norms*

*** diametro di aggancio consigliato ma modificabile in funzione delle esigenze di montaggio – hook diameter which could be modified according to mounting demand*