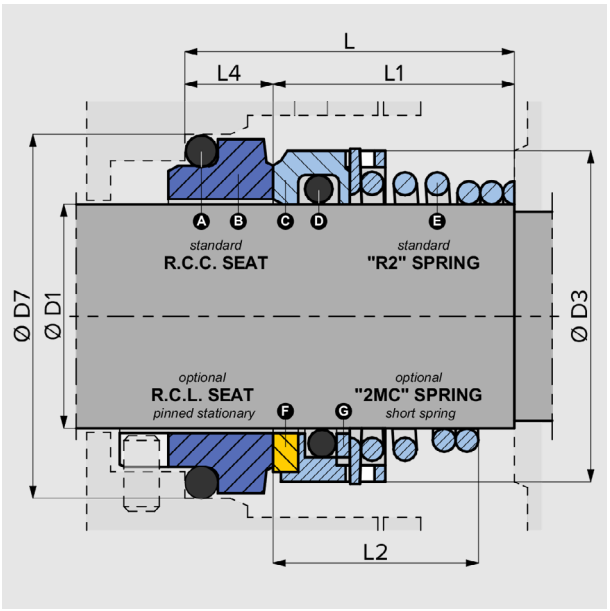
HR2

'TYPE 2'
SPECIFICATION SHEET





- **O-ring, Conical-Spring Drive**
- **Shaft Rotation Dependant**
- **Metric Sizes - Italian**

HR2 is a conical spring-driven mechanical seal for metric shafts, based on the industry standard "Type 2" design. It is commonly found in pumps of Italian origin.

The spring provides both axial and rotational force being tightly wound in the direction of the rotating shaft. Left or right-hand winding springs must be specified.

An optional "R.C.L." seat is available with an extended tail and anti-rotation pin slot.

Additional non-standard options are available on request, including:

- Shrink-fitted Rotary Face *Suffix "H"*
- "2MC" Short spring *Suffix "MC"*
- Open-cave *"CA"*
- Driving Sleeve *"U"*

- **Operating conditions**[1]

Temperature: -30°C to +200°C
Pressure: < 10 bar, 145 psi, 1 MPa
Speed: < 10m/s, 2000 fpm
rpm < 600000/(3.14 x D1)

- **Material Options**

Rotary Face*: 304S.S.
Stationary Face*: CAB or SiC
Elastomer: N, V or EP
Metal Parts: 304S.S.

* Shrink-fitted SiC or TC options available on request

PARTS

A Stationary O-ring
B Stationary Face / Ring
C Rotary Seal Ring
D Rotary O-ring
E Rotary Conical Spring
F Shrink-fitted Rotary Face
G Open-cave washer

SEAT OPTIONS

R.C.C.: standard, no slot
R.C.L.: extended tail w/ slot

EQUIVALENT

Type 2 range:
2H, 2MC, 2MCH
T03 / T03U
Type 12
42 / P42
BT-RN
RB341 / RB341S

DIMENSIONS

D1 = Shaft Size
L1 / L2 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L = Overall W.L.

D1	D3	D7	L4	L1	L2	L
10mm	17.5	18.1	5.5	15.0	12.0	20.5
12mm	20.0	20.6	5.5	18.0	14.0	23.5
14mm	23.0	23.1	6.0	22.0	17.0	28.0
16mm	26.0	26.9	7.0	23.0	18.0	30.0
18mm	29.0	30.9	8.0	24.0	18.0	32.0
19mm	29.0	30.9	8.0	25.0	20.0	33.0
20mm	29.0	30.9	8.0	25.0	20.0	33.0
22mm	34.0	35.4	8.0	25.0	20.0	33.0
24mm	34.0	35.4	8.0	27.0	22.0	35.0
25mm	37.0	38.2	8.5	27.0	21.0	35.5
28mm	42.0	43.3	9.0	29.0	22.0	38.0
30mm	43.0	43.3	9.0	30.0	23.0	39.0
32mm	45.0	43.3	9.0	30.0	23.0	39.0
33mm	48.0	53.5	11.5	39.0	30.0	50.5
35mm	49.0	53.5	11.5	39.0	30.0	50.5
38mm	54.0	60.5	11.5	39.0	30.0	50.5
40mm	56.0	60.5	11.5	39.0	30.0	50.5
43mm	60.0	60.5	11.5	39.0	30.0	50.5
45mm	64.0	65.5	11.5	41.0	31.0	52.5
48mm	68.0	65.5	11.5	41.0	31.0	52.5
50mm	69.0	72.5	11.5	45.0	35.0	56.5
55mm	74.0	72.5	11.5	47.0	37.0	58.5
60mm	79.0	79.3	11.5	49.0	37.0	60.5
65mm	87.0	84.5	11.5	51.0	39.0	62.5
70mm	92.0	89.5	11.5	51.0	39.0	62.5
75mm	97.0	94.5	11.5	57.0	46.0	68.5
80mm	102.0	99.5	11.5	59.0	48.0	70.5
85mm	110.0	105.5	13.5	59.0	46.0	72.5
90mm	117.0	111.5	13.5	62.0	49.0	75.5
95mm	122.0	116.5	13.5	62.0	51.0	75.5
100mm	127.0	119.5	13.5	75.0	65.0	88.5

Addtional sizes >100mm not typically stocked

[1] Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

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