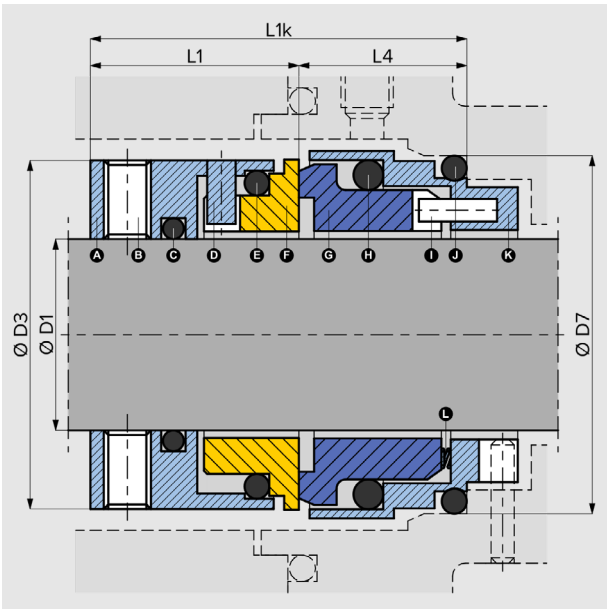
HRN

'HRN'
SPECIFICATION SHEET





- **Stationary-Based Design**
- **O-ring, Multi-Spring Pusher**
- **To DIN EN 12756 Standards**
- **Balanced**
- **Bi-directional**

HRN is a balanced, o-ring mounted, multi-spring mechanical seal based on the industry standard "HRN" design compliant with DIN EN 12756. The springs are located and protected in the stationary, away from the product, eliminating the possible effects of clogging.

It is commonly used in dirty, abrasive solids-containing media.

- **Operating conditions[1]**

Temperature: -20°C to +220°C
Pressure: < 25 bar, 360 psi, 2.5 MPa
Speed: < 20m/s, 4000 fpm
rpm < 1200000/(3.14 x D1)

- **Material Options**

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

PARTS

A Rotary Holder
B Rotary Set Screws
C Rotary O-ring
D Rotary Pin
E Rotary O-ring
F Rotary Face / Ring
G Stationary Face / Ring
H Stationary O-ring
I Stationary Pin
J Stationary O-ring
K Stationary Holder
L Stationary Multi-Springs

EQUIVALENT

HRN

DIMENSIONS

D1 = Shaft Size
D3 = Rotary OD
D7 = Stationary OD
L4 = Stationary W.L.
L1 = Rotary Height
L = Overall W.L.

D1	D3	D7	L1	L4	L1k
18mm	33.0	33.0	19.5	18.0	37.5
20mm	35.0	35.0	19.5	18.0	37.5
22mm	37.0	37.0	19.5	18.0	37.5
24mm	39.0	39.0	20.5	19.5	40.0
25mm	40.0	40.0	20.5	19.5	40.0
28mm	43.0	43.0	21.5	21.0	42.5
30mm	45.0	45.0	21.5	21.0	42.5
32mm	48.0	48.0	21.5	21.0	42.5
33mm	48.0	48.0	21.5	21.0	42.5
35mm	50.0	50.0	21.5	21.0	42.5
38mm	56.0	56.0	24.0	21.0	45.0
40mm	58.0	58.0	24.0	21.0	45.0
43mm	61.0	61.0	24.0	21.0	45.0
45mm	63.0	63.0	24.0	21.0	45.0
48mm	66.0	66.0	24.0	21.0	45.0
50mm	70.0	70.0	25.0	22.5	47.5
53mm	73.0	73.0	25.0	22.5	47.5
55mm	75.0	75.0	25.0	22.5	47.5
58mm	78.0	78.0	28.0	24.5	52.5
60mm	80.0	80.0	28.0	24.5	52.5
63mm	83.0	83.0	28.0	24.5	52.5
65mm	85.0	85.0	28.0	24.5	52.5
68mm	90.0	90.0	28.0	24.5	52.5
70mm	92.0	92.0	34.0	26.0	60.0
75mm	97.0	97.0	34.0	26.0	60.0
80mm	105.0	105.0	34.0	26.0	60.0
85mm	110.0	110.0	34.0	26.0	60.0
90mm	115.0	115.0	39.0	26.0	65.0
95mm	120.0	120.0	39.0	26.0	65.0
100mm	125.0	125.0	39.0	26.0	65.0

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