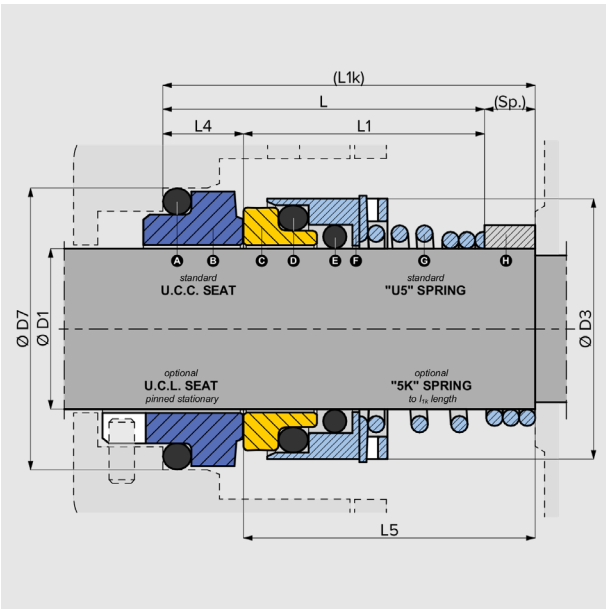
HU5

'UNITEN 5'
SPECIFICATION SHEET





- **O-ring, Conical-Spring Drive**
- **Shaft Rotation Dependant**
- **To DIN EN 12756 Standards**

HU5 is designed to comply with DIN EN 12756, except in fitting length. It is based on the industry standard "Type 5" design, a conical spring-driven mechanical seal for metric shafts.

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.

L1k can be achieved with either a spacer (Sp.), or longer / shorter "5K" spring.

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

- **Operating conditions**[1]

Temperature: -30°C to +200°C
Pressure: < 10 bar, 145 psi, 1 MPa
Speed: < 15m/s, 2000 fpm
rpm < 900000/(3.14 x D1)

- **Material Options**

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

PARTS

A Stationary O-ring
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary O-ring
E Rotary O-ring
F Rotary Frame
G Rotary Conical Spring
H Spacer (optional)

SEAT OPTIONS

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

EQUIVALENT

Uniten 5 / 5K
RB315 / RB315N
RB316 / RB316N

DIMENSIONS

D1 = Shaft Size
L1 / L5 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L = Overall W.L.

D1	D3	D7	L4	L1	L	Sp.	L5	L1k
12mm	22.0	23.0	7.0	18.0	25.0	7.5	25.5	32.5
16mm	28.5	27.0	7.0	23.0	28.0	7.0	28.0	35.0
18mm	32.5	33.0	10.0	24.0	34.0	3.5	27.5	37.5
20mm	32.5	35.0	10.0	25.0	35.0	2.5	27.5	37.5
22mm	37.0	37.0	10.0	25.0	35.0	2.5	27.5	37.5
25mm	40.5	40.0	10.0	27.0	37.0	3.0	30.0	40.0
28mm	46.5	43.0	10.0	29.0	39.0	3.5	32.5	42.5
33mm	56.5	48.0	10.0	39.0	49.0	-	32.5	42.5
55mm	75.0	75.0	14.0	56.0	70.0	-	33.5	47.5

Additional sizes not typically stocked, therefore omitted. Contact us for more info.

[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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