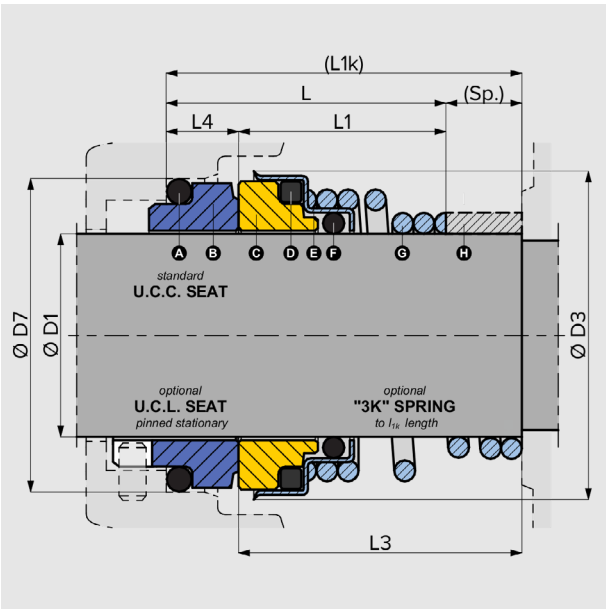
HU3

'UNITEN 3'
SPECIFICATION SHEET





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

HU3 is designed to comply with DIN EN 12756, except in fitting length. It is based on the industry standard "Type 3" 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 for sizes ≤16mm with a spacer (Sp.). For sizes between 18mm - 32mm a spacer can be used or a longer "3K" spring. For sizes >32mm the "3K" spring is shorter.

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:	< 10m/s, 2000 fpm
	rpm < 600000/(3.14 x D1)

- **Material Options**

Rotary Face:	CER or SiC
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 Seal Ring
D Rotary Square-ring
E Rotary Frame
F Rotary O-ring
G Rotary Conical Spring
H Spacer (optional)

SEAT OPTIONS

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

EQUIVALENT

Uniten 3 / 3K
Simplex DIN
Type 13DIN
T04D
BT-FN.NU
43D / P43D
SU3
RB365 / RB365N
RB366 / RB366N

DIMENSIONS

D1 = Shaft Size
L1 / L3 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L = Overall W.L.

D1	D3	D7	L4	L1	L	Sp.	L3	L1k
10mm	20.0	21.0	7.0	15.0	22.0	10.5	-	32.5
12mm	22.0	23.0	7.0	18.0	25.0	7.5	-	32.5
14mm	25.0	25.0	7.0	22.0	29.0	6.0	-	35.0
16mm	29.0	27.0	7.0	23.0	30.0	5.0	-	35.0
18mm	33.0	33.0	10.0	24.0	34.0	3.5	27.5	37.5
20mm	33.0	35.0	10.0	25.0	35.0	2.5	27.5	37.5
22mm	38.0	37.0	10.0	25.0	35.0	2.5	27.5	37.5
24mm	38.0	39.0	10.0	27.0	37.0	3.0	30.0	40.0
25mm	40.0	40.0	10.0	27.0	37.0	3.0	30.0	40.0
28mm	46.0	43.0	10.0	29.0	39.0	3.5	32.5	42.5
30mm	46.0	45.0	10.0	30.0	40.0	2.5	32.5	42.5
32mm	46.0	48.0	10.0	30.0	40.0	2.5	32.5	42.5
33mm	48.0	48.0	10.0	39.0	49.0	-	32.5	42.5
35mm	50.0	50.0	10.0	39.0	49.0	-	32.5	42.5
38mm	56.0	56.0	13.0	42.0	55.0	-	32.0	45.0
40mm	58.0	58.0	13.0	42.0	55.0	-	32.0	45.0

Addtional sizes >40mm 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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