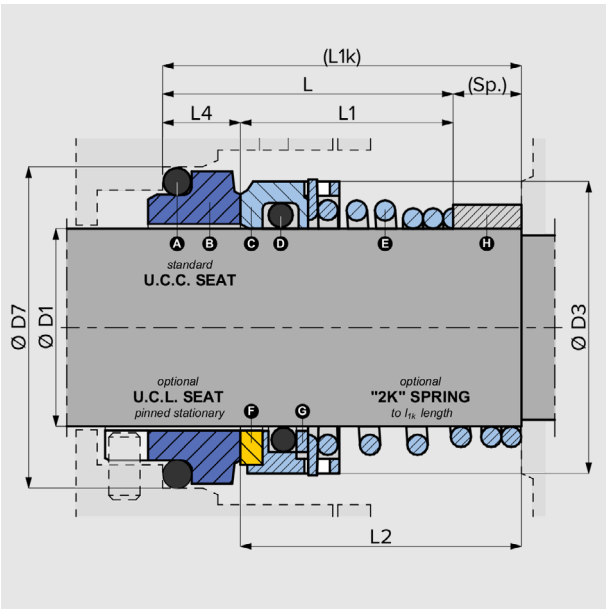
HU2

'UNITEN 2'

SPECIFICATION SHEET





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

HU2 is designed to comply with DIN EN 12756, except in fitting length. It is based on the industry standard "Type 2" 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 <32mm with either a spacer (Sp.), or longer "2K" spring. For sizes >32mm the "2K" spring is shorter.

An optional "U.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"*
- "2K" Spring to L1k *Suffix "K"*
- "R2" Spring from HR2 *Suffix "LRO2"*
- "2MC" Spring from HR2 *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

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

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
H Spacer *(optional)*

SEAT OPTIONS

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

EQUIVALENT

Uniten 2 range:
2, 2K, 2H, 2KH, 2 LRO2, 2MC
U2, U2H
T03D / T03DU
BT-RN.NU
42D / P42D
SR2
A3
RB351 / RB351S
RB352 / RB352S

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	L	Sp.	L2	L1k
10mm	17.5	21.0	7.0	15.0	22.0	10.5	25.5	32.5
12mm	20.0	23.0	7.0	18.0	25.0	7.5	25.5	32.5
14mm	23.0	25.0	7.0	22.0	29.0	6.0	28.0	35.0
16mm	26.0	27.0	7.0	23.0	30.0	5.0	28.0	35.0
18mm	29.0	33.0	10.0	24.0	34.0	3.5	27.5	37.5
20mm	29.0	35.0	10.0	25.0	35.0	2.5	27.5	37.5
22mm	34.0	37.0	10.0	25.0	35.0	2.5	27.5	37.5
24mm	34.0	39.0	10.0	27.0	37.0	3.0	30.0	40.0
25mm	37.0	40.0	10.0	27.0	37.0	3.0	30.0	40.0
28mm	42.0	43.0	10.0	29.0	39.0	3.5	32.5	42.5
30mm	43.0	45.0	10.0	30.0	40.0	2.5	32.5	42.5
32mm	45.0	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	49.0	50.0	10.0	39.0	49.0	-	32.5	42.5
38mm	54.0	56.0	13.0	42.0	55.0	-	32.0	45.0
40mm	56.0	56.0	13.0	42.0	55.0	-	32.0	45.0
43mm	60.0	61.0	13.0	47.0	60.0	-	32.0	45.0
45mm	64.0	63.0	13.0	47.0	60.0	-	32.0	45.0
48mm	68.0	66.0	13.0	47.0	60.0	-	32.0	45.0
50mm	69.0	70.0	14.0	46.0	60.0	-	33.5	47.5
53mm	71.0	73.0	14.0	56.0	70.0	-	33.5	47.5
55mm	74.0	75.0	14.0	56.0	70.0	-	33.5	47.5
58mm	76.0	78.0	14.0	56.0	70.0	-	38.5	52.5
60mm	79.0	80.0	14.0	56.0	70.0	-	38.5	52.5
63mm	83.0	83.0	14.0	56.0	70.0	-	38.5	52.5
65mm	87.0	85.0	14.0	66.0	80.0	-	38.5	52.5
68mm	88.0	90.0	16.0	64.0	80.0	-	38.5	52.5
70mm	92.0	92.0	16.0	64.0	80.0	-	44.0	60.0
75mm	97.0	97.0	16.0	64.0	80.0	-	44.0	60.0
80mm	102.0	105.0	18.0	72.0	90.0	-	42.0	60.0
85mm	110.0	110.0	18.0	72.0	90.0	-	42.0	60.0
90mm	117.0	115.0	18.0	72.0	90.0	-	47.0	65.0
95mm	122.0	120.0	18.0	72.0	90.0	-	47.0	65.0
100mm	127.0	125.0	18.0	72.0	90.0	-	47.0	65.0

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