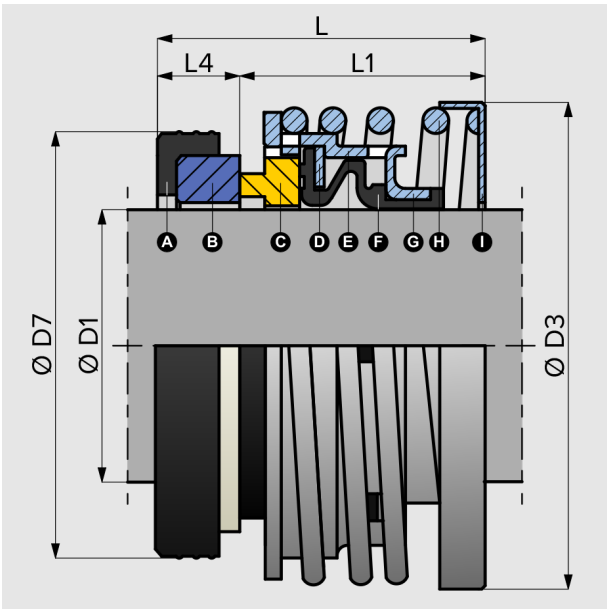
H2US

'TYPE 2'
SPECIFICATION SHEET





- **Diaphragm w/ Drive Band**
- **To US Imperial Dimensions**
- **Short Working Length**
- **Bi-directional**

H2US is a mechanical seal for imperial shafts, based on the historical industry "Type 2" design. It is commonly specified in confined space requirements with limited seal chamber depths.

A rubber diaphragm is secured to the shaft with a drive band, which serves as both a secondary seal and positive torque transmission.

Mechanical compression on the spring-cap is typically delivered by a shoulder in the shaft / sleeve or setting collar (available separately)

- **Operating conditions**[1]

Temperature: -40°C to +200°C
Pressure: < 12.5 bar, 180 psi, 1.2 MPa
Speed: < 18m/s, 3500 fpm
rpm < 1080000/(79.8 x D1)

- **Material Options**

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

PARTS

A Stationary Cup
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary Disk
E Rotary Retainer
F Rotary Diaphragm
G Rotary Drive Band
H Spring
I Spring Cap

SEAT OPTIONS

CM	standard
OG	o-ring
N (G50)	Euro cup
W	Euro o-ring

EQUIVALENT

Type 2
43 CU Short
P04U
110 / P110
P340
RB802

DIMENSIONS

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

D1	D3	D7		L4	L1	L
0.375"	28.0	0.875"	22.2	7.9	20.6	28.5
0.500"	30.1	1.000"	25.4	7.9	20.6	28.5
0.625"	33.3	1.250"	31.8	10.3	22.2	32.5
0.750"	36.5	1.375"	34.9	10.3	22.2	32.5
0.875"	39.7	1.500"	38.1	10.3	23.8	34.1
1.000"	45.5	1.625"	41.3	11.1	23.8	34.9
1.125"	48.5	1.750"	44.5	11.1	27.0	38.1
1.250"	52.4	1.875"	47.6	11.1	27.0	38.1
1.375"	56.0	2.000"	50.8	11.1	31.8	42.9
1.500"	59.2	2.125"	54.0	11.1	31.8	42.9
1.625"	67.0	2.375"	60.3	12.7	34.9	47.6
1.750"	69.9	2.500"	63.5	12.7	34.9	47.6
1.875"	73.0	2.625"	66.7	12.7	38.1	50.8
2.000"	76.2	2.750"	69.9	12.7	38.1	50.8
2.125"	82.6	3.000"	76.2	14.3	42.9	57.2
2.250"	85.7	3.125"	79.4	14.3	42.9	57.2
2.375"	88.9	3.250"	82.6	14.3	46.0	60.3
2.500"	92.1	3.375"	85.7	14.3	46.0	60.3
2.625"	98.4	3.375"	85.7	15.9	49.2	65.1
2.750"	101.6	3.500"	88.9	15.9	49.2	65.1
2.875"	104.8	3.750"	95.3	15.9	52.4	68.3
3.000"	108.0	3.875"	98.4	15.9	52.4	68.3
3.125"	118.3	4.000"	101.6	19.8	55.6	75.4
3.250"	121.5	4.125"	104.8	19.8	55.6	75.4
3.375"	124.7	4.250"	108.0	19.8	55.6	75.4
3.500"	127.9	4.375"	111.1	19.8	55.6	75.4
3.625"	131.3	4.500"	114.3	19.8	58.7	78.5
3.750"	134.5	4.625"	117.5	19.8	58.7	78.5
3.875"	138.6	4.750"	120.7	19.8	61.9	81.7
4.000"	141.8	4.875"	123.8	19.8	61.9	81.7

[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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