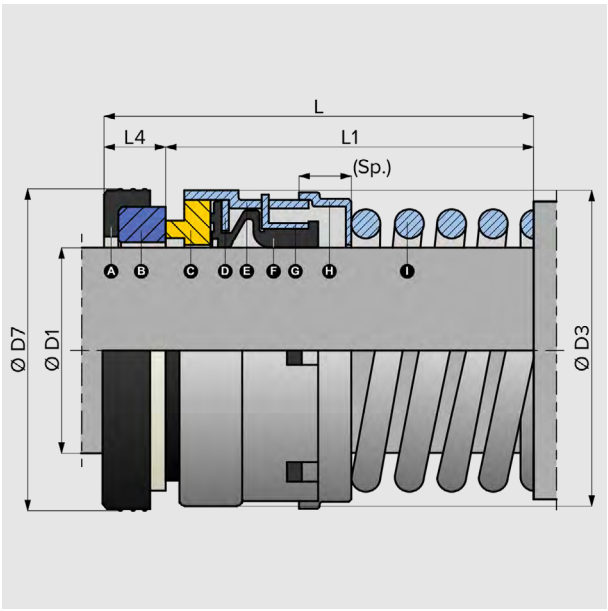
H1UK

'TYPE 1A'
SPECIFICATION SHEET





- **Diaphragm w/ Drive Band**
- **To UK Imperial Dimensions**
- **Long Working Length**
- **Bi-directional**

H1UK is a mechanical seal for imperial shafts, based on the historical industry "Type 1A" design. It uses the same components as H1US, but an added spacer to the back of the rotary retainer achieves the longer working length.

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 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 Spacer
I Spring

SEAT OPTIONS

N (G50) standard
W Euro o-ring

EQUIVALENT

Type 1A
43 CE Long
P01U
MG901/d_1-G50
51
100 / P100
300 / P300
RB811

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity D3 = Rotary OD
L1 = Rotary W.L. L4 = Seat Height L = Overall W.L.
Sp. = additional spacer required using H1US rotary

D1	D3	D7	L4	L1	L	Sp.
0.375"	22.0	24.60	8.7	44.0	52.7	-
0.500"	25.0	27.80	8.7	44.0	52.7	13.8
0.625"	29.0	30.95	10.3	44.0	54.3	10.7
0.750"	32.0	34.15	10.3	44.0	54.3	10.7
0.875"	35.0	37.30	10.3	44.0	54.3	9.1
1.000"	38.0	40.50	10.3	60.0	70.3	20.3
1.125"	46.0	47.65	11.9	60.0	71.9	18.7
1.250"	49.0	50.80	11.9	60.0	71.9	18.7
1.375"	52.0	54.00	11.9	60.0	71.9	16.9
1.500"	56.0	57.15	11.9	60.0	71.9	17.2
1.625"	59.0	60.35	11.9	60.0	71.9	9.2
1.750"	62.0	63.50	11.9	71.0	82.9	20.2
1.875"	65.0	66.70	11.9	71.0	82.9	17.0
2.000"	68.0	69.85	13.5	71.0	84.5	17.0
2.125"	71.0	73.05	13.5	71.0	84.5	10.7
2.250"	75.0	76.20	13.5	71.0	84.5	10.7
2.375"	78.0	79.40	13.5	71.0	84.5	7.5
2.500"	81.0	82.55	13.5	71.0	84.5	7.5
2.625"	86.0	92.10	15.9	70.0	85.9	-
2.750"	89.0	95.25	15.9	70.0	85.9	-
2.875"	92.0	98.45	15.9	73.0	88.9	-
3.000"	95.0	101.60	15.9	73.0	88.9	-
3.125"	102.0	111.15	19.8	79.0	98.8	-
3.250"	105.0	114.30	19.8	79.0	98.8	-
3.375"	108.0	117.50	19.8	79.0	98.8	-
3.500"	111.0	120.65	19.8	79.0	98.8	-
3.625"	114.0	123.85	19.8	83.0	102.8	-
3.750"	117.0	127.00	19.8	83.0	102.8	-
3.875"	121.0	130.20	19.8	86.0	105.8	-
4.000"	124.0	133.35	19.8	86.0	105.8	-

[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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