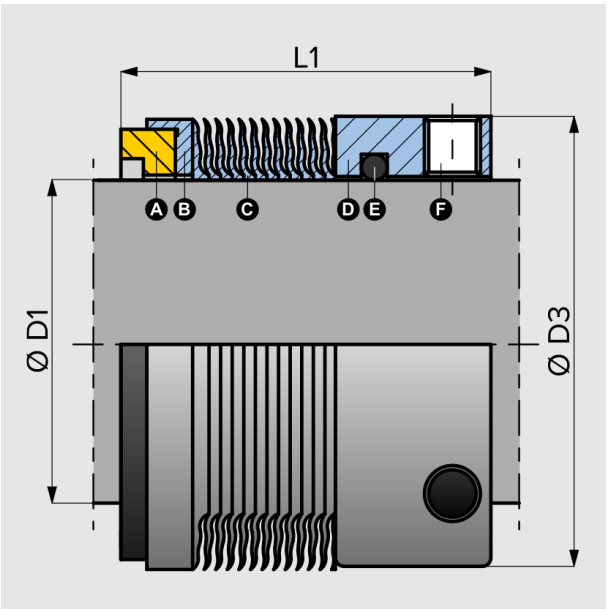
H680

'TYPE 680'
SPECIFICATION SHEET





- **Metal Bellows - Rotary Only**
- **Metric & Imperial Sizes**
- **General Purpose**
- **For Corrosive Media**

H680 is an edge-welded metal bellows mechanical seal designed to provide corrosion resistance in a broad range of corrosive media. It is pressure-balanced by design and since the secondary seal (o-ring) is located separately from the bellows in the shell, it eliminates the possibility of shaft-fretting or hang-up.

It is available in metric & imperial sizes and able to run against a variety of stationaries.

Operating conditions[1]

Temperature: -30°C to +260°C
Pressure: < 25 bar, 360 psi, 2.5 MPa
Speed: < 25m/s, 5000 fpm
rpm < 1500000/(3.14 x D1 mm)
rpm < 1500000/(79.8 x D1 inch)

Material Options

Rotary Face: CAB, A1, SiC or TC
Rotary Face Holder: Alloy 20*
Metal Bellows: AM350^
Elastomer: N, V, EP or ~
Shell: 316S.S.

PARTS

A Rotary Face / Ring
B Rotary Face Holder
C Rotary Metal Bellows
D Rotary Shell
E Rotary O-ring
F Rotary Set Screws

EQUIVALENT

T680
886
MFL85N
BSAI

DIMENSIONS

D1 = Shaft Size D3 = Rotary OD L1 = Rotary W.L.

D1	D3	L1
20mm	33.3	27.5
22mm	36.0	27.5
25mm	39.0	30.0
28mm	42.0	32.5
30mm	44.0	32.5
32mm	46.0	32.5
33mm	47.0	32.5
35mm	49.2	32.5
38mm	52.4	34.0
40mm	55.6	34.0
43mm	58.7	34.0
45mm	58.7	34.0
48mm	61.9	34.0
50mm	65.1	34.5
53mm	68.3	34.5
55mm	71.0	34.5
58mm	74.6	39.5
60mm	74.6	39.5
63mm	81.0	39.5
65mm	84.1	39.5
70mm	87.3	45.0
75mm	95.3	45.0
80mm	98.4	44.5
85mm	104.8	44.5
90mm	108.0	49.5
95mm	114.3	49.5
100mm	120.7	49.5

D1	D3	L1
0.750”	33.4	31.8
0.875”	36.5	31.8
1.000”	39.7	31.8
1.125”	42.8	31.8
1.250”	46.0	33.3
1.375”	49.2	36.5
1.4375”	52.37	30.53
1.500”	52.4	36.5
1.625”	55.5	36.5
1.750”	58.7	36.5
1.875”	61.9	38.1
2.000”	65.1	38.1
2.125”	68.2	38.1
2.250”	71.4	39.7
2.375”	74.6	39.7
2.500”	80.9	39.7
2.625”	84.1	41.3
2.750”	87.3	41.3
2.875”	92.1	42.8
3.000”	95.3	42.8
3.125”	98.4	44.5
3.250”	101.6	44.5
3.375”	104.8	44.5
3.500”	108.0	47.6
3.625”	111.1	47.6
3.750”	114.3	47.6
3.875”	117.5	47.6
4.000”	120.7	47.6

*is an austenitic stainless steel containing less than 50% iron developed for corrosion resistance. Also referred to trade names: Carpenter® 20 & Incoloy® 20.

^is precipitation hardenable stainless steel developed for high strength, excellent weldability along with corrosion resistance.

~special compounds available on request e.g. FFKM, PTFE Encap. & TFE. trade names: Kalrez®, Teflex®, Aflas® & others.

[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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