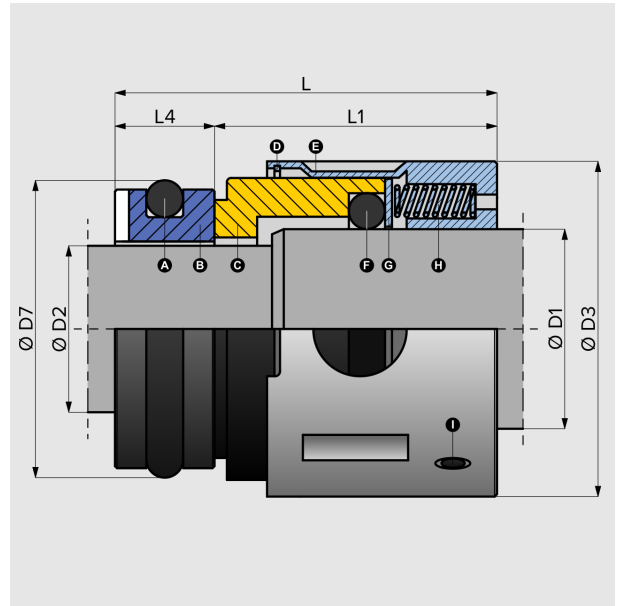


# H8B / H9B

## 'TYPE 8B1 - BALANCED' SPECIFICATION SHEET



- ▶ **Multi-spring Arrangement**
- ▶ **Suits Imperial Sizes**
- ▶ **Balanced**

H8B is a balanced, multi-spring seal for imperials shaft sizes commonly used in chemical pumps. Originally designed to use a PTFE wedge as the secondary seal, a more cost-effective option using o-rings is now more commonplace (H8B).

The original PTFE wedge design is still available if required (H9B).

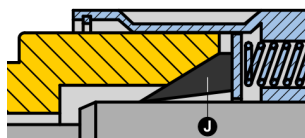
▶ **Operating conditions**

Temperature: -40°C to +260°C  
 Pressure: up to 83 bar, 1200 psi  
 Speed: up to 25m/s, 5000 fpm

▶ **Material Options**

Rotary Face: CAB, A1.CAB or SiC  
 Stationary Face: SIC  
 Elastomer: N, V or EP  
 Metal Parts: Stainless Steel

**H9B - PTFE WEDGE**



**PARTS**

- A** Seat O-ring
- B** Seat (OG Standard)
- C** Rotary Face
- D** Snap Ring
- E** Metal Housing
- F** O-ring (H8B)
- G** Disc
- H** Multi-Spring
- I** Set Screw
- J** PTFE Wedge

**EQUIVALENT**

8B1 / 9B  
 M02SU / M02U  
 1609BS / 1609B

**STANDARD SEAT**

OG US O-ring Seat

**ALTERNATIVE SEAT**

W Euro O-ring Seat

**DIMENSIONS**

D1/D2 = Shaft Size    D7 = Seat Cavity    L1 = Rotary Length  
 D3 = Rotary OD    L4 = Seat Thickness    L = Total Working Length

D1/D2	D3	D7	L4	L1	L
0.625/0.500"	30.8	25.4	8.0	27.0	35.0
0.750/0.625"	34.0	31.8	10.3	30.0	40.3
0.875/0.750"	37.2	35.0	10.3	32.0	42.3
1.000/0.875"	40.3	38.1	10.3	33.0	43.3
1.125/1.000"	43.4	41.3	11.0	35.0	46.0
1.250/1.125"	48.3	44.5	11.0	35.0	46.0
1.375/1.125"	51.3	44.5	11.0	37.0	48.0
1.500/1.250"	54.5	47.7	11.0	37.0	48.0
1.625/1.375"	60.8	50.8	11.0	45.0	56.0
1.750/1.500"	64.0	54.0	11.0	45.0	56.0
1.875/1.625"	67.2	60.3	12.7	45.0	57.7
2.000/1.750"	70.4	63.5	12.7	45.0	57.7
2.125/1.875"	76.7	66.7	12.7	52.0	64.7
2.250/2.000"	79.9	69.9	12.7	52.0	64.7
2.375/2.125"	83.1	76.2	14.3	52.0	66.3
2.500/2.250"	96.2	79.4	14.3	52.0	66.3
2.625/2.375"	89.4	82.6	14.3	52.0	66.3
2.750/2.500"	92.6	85.9	14.3	52.0	66.3
2.875/2.625"	95.8	85.7	16.0	52.0	68.0
3.000/2.750"	97.3	88.9	16.0	52.0	68.0
3.125/2.875"	100.5	95.3	16.0	52.0	68.0
3.250/3.000"	105.3	98.4	16.0	52.0	68.0
3.375/3.125"	108.5	101.6	19.8	52.0	71.8
3.500/3.250"	111.6	104.8	19.8	52.0	71.8
3.625/3.375"	114.8	108.0	19.8	52.0	71.8
3.750/3.500"	118.0	111.2	19.8	52.0	71.8
3.875/3.625"	121.2	114.3	19.8	52.0	71.8
4.000/3.750"	124.3	117.5	19.8	52.0	71.8