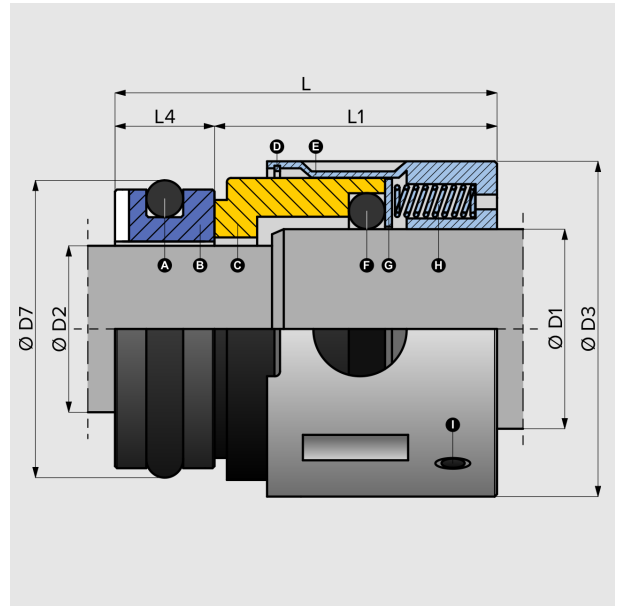


# H8TB / H9TB

## 'TYPE 8B1T - LOW PROFILE' SPECIFICATION SHEET



- ▶ **Narrow Cross-Section**
- ▶ **Suits Imperial Sizes**
- ▶ **Multi-spring Arrangement**
- ▶ **Balanced**

H8TB is the narrow cross-section version of H8B. It is balanced in design and originally used a PTFE wedge as the secondary seal, a more cost-effective option using o-rings is now more commonplace (H8TB).

The original PTFE wedge design is still available if required (H9TB).

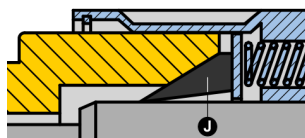
▶ **Operating conditions**

Temperature: -40°C to +260°C  
 Pressure: up to 35 bar, 500 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

**H9TB - PTFE WEDGE**



**PARTS**

- A** Seat O-ring
- B** Seat (OG Standard)
- C** Rotary Face
- D** Snap Ring
- E** Metal Housing
- F** O-ring (H8TB)
- G** Disc
- H** Multi-Spring
- I** Set Screw
- J** PTFE Wedge

**EQUIVALENT**

8B1T / 9BT  
 M06SU / M06U  
 1645BS / 1645B

**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"					
0.750/0.625"	30.2	31.8	10.3	31.7	42.0
0.875/0.750"	33.4	35.0	10.3	31.7	42.0
1.000/0.875"	36.5	38.1	10.3	33.3	43.6
1.125/1.000"	39.7	41.3	11.0	34.9	45.9
1.250/1.125"	42.8	44.5	11.0	34.9	45.9
1.375/1.125"	49.2	44.5	11.0	42.8	53.8
1.500/1.250"	49.2	47.7	11.0	36.5	47.5
1.625/1.375"	57.2	50.8	11.0	40.5	51.5
1.750/1.500"	58.7	54.0	11.0	44.5	55.5
1.875/1.625"	63.5	60.3	12.7	44.5	57.2
2.000/1.750"	66.7	63.5	12.7	44.5	57.2
2.125/1.875"	71.4	66.7	12.7	52.4	65.1
2.250/2.000"	72.2	69.9	12.7	44.5	57.2
2.375/2.125"	76.2	76.2	14.3	52.4	66.7
2.500/2.250"	79.4	79.4	14.3	44.5	58.8
2.625/2.375"	82.6	82.6	14.3	52.4	66.7
2.750/2.500"	85.7	85.9	14.3	52.4	66.7
2.875/2.625"	88.9	85.7	16.0	52.4	68.4
3.000/2.750"	92.1	88.9	16.0	52.4	68.4
3.125/2.875"	95.3	95.3	16.0	52.4	68.4
3.250/3.000"	98.4	98.4	16.0	52.4	68.4
3.375/3.125"	101.6	101.6	19.8	52.4	72.2
3.500/3.250"	104.8	104.8	19.8	52.4	72.2
3.625/3.375"	108.0	108.0	19.8	52.4	72.2
3.750/3.500"	111.1	111.2	19.8	52.4	72.2
3.875/3.625"	114.3	114.3	19.8	52.4	72.2
4.000/3.750"	117.5	117.5	19.8	52.4	72.2