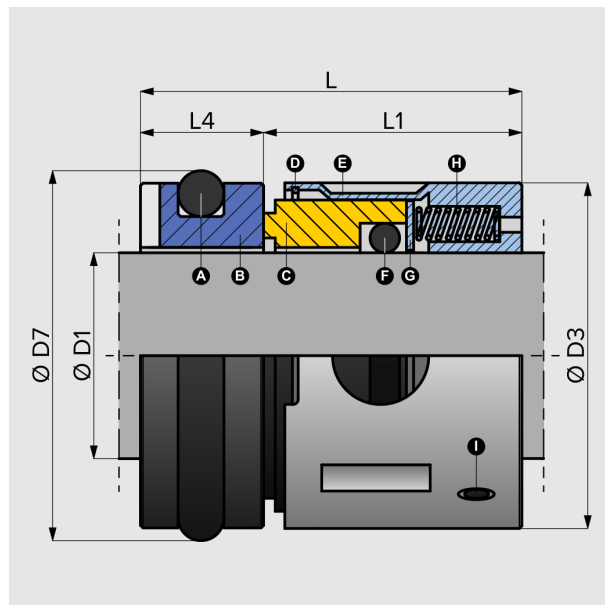


# H8U / H9U

## 'TYPE 8-1 - UNBALANCED' SPECIFICATION SHEET



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

H8U is a multi-spring seal for imperial 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 (H8U).

The original PTFE wedge design is still available if required (H9U).

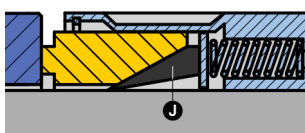
▶ **Operating conditions**

Temperature: -40°C to +260°C  
 Pressure: up to 24 bar, 350 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

**H9U - PTFE WEDGE**



**PARTS**

- A** Seat O-ring
- B** Seat (OG Standard)
- C** Rotary Face
- D** Snap Ring
- E** Metal Housing
- F** O-ring (H8U)
- G** Disc
- H** Multi-Spring
- I** Set Screw
- J** PTFE Wedge

**EQUIVALENT**

8-1 / 9  
 M01SU / M01U  
 1609S / 1609

**STANDARD SEAT**

OG US O-ring Seat

**ALTERNATIVE SEAT**

W Euro O-ring Seat

**DIMENSIONS**

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

D1	D7	L4	D3	L1	L	
0.500"	1.000"	25.4	8.0	26.7	21.0	29.0
0.625"	1.250"	31.8	10.3	30.7	19.0	29.3
0.750"	1.375"	34.9	10.3	34.0	22.0	32.3
0.875"	1.500"	38.1	10.3	37.2	24.0	34.3
1.000"	1.625"	41.3	11.0	40.3	25.0	36.0
1.125"	1.750"	44.5	11.0	43.5	27.0	38.0
1.250"	1.875"	47.6	11.0	48.3	27.0	38.0
1.375"	2.000"	50.8	11.0	51.5	29.0	40.0
1.500"	2.125"	54.0	11.0	54.6	29.0	40.0
1.625"	2.375"	60.3	12.7	61.0	35.0	47.7
1.750"	2.500"	63.5	12.7	64.2	35.0	47.7
1.875"	2.625"	66.7	12.7	67.3	35.0	47.7
2.000"	2.750"	69.9	12.7	70.5	35.0	47.7
2.125"	3.000"	76.2	14.3	76.9	43.0	57.3
2.250"	3.125"	79.4	14.3	80.0	43.0	57.3
2.375"	3.250"	82.6	14.3	83.2	43.0	57.3
2.500"	3.375"	85.7	14.3	86.4	43.0	57.3
2.625"	3.375"	85.7	16.0	89.6	43.0	59.0
2.750"	3.500"	88.9	16.0	92.7	43.0	59.0
2.875"	3.750"	95.3	16.0	95.9	43.0	59.0
3.000"	3.875"	98.4	16.0	97.5	43.0	59.0
3.125"	4.000"	101.6	19.8	100.7	43.0	62.8
3.250"	4.125"	104.8	19.8	105.4	43.0	62.8
3.375"	4.250"	108.0	19.8	108.6	43.0	62.8
3.500"	4.375"	111.1	19.8	111.8	43.0	62.8
3.625"	4.500"	114.3	19.8	115.0	43.0	62.8
3.750"	4.625"	117.5	19.8	118.1	43.0	62.8
3.875"	4.750"	120.7	19.8	121.3	43.0	62.8
4.000"	4.875"	123.8	19.8	124.5	43.0	62.8