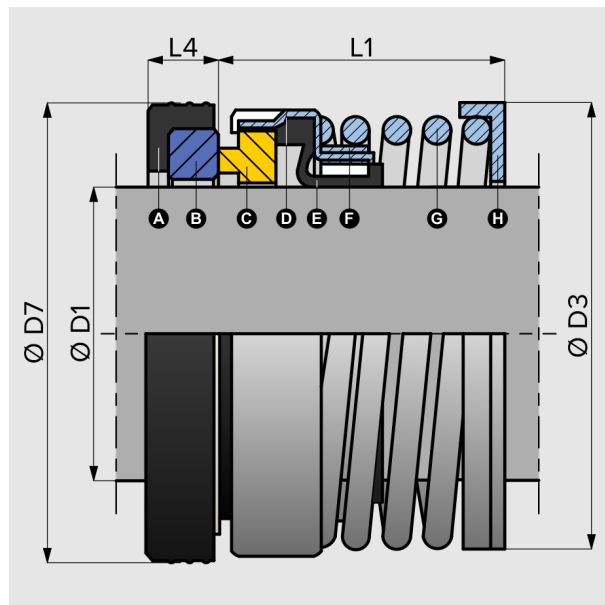
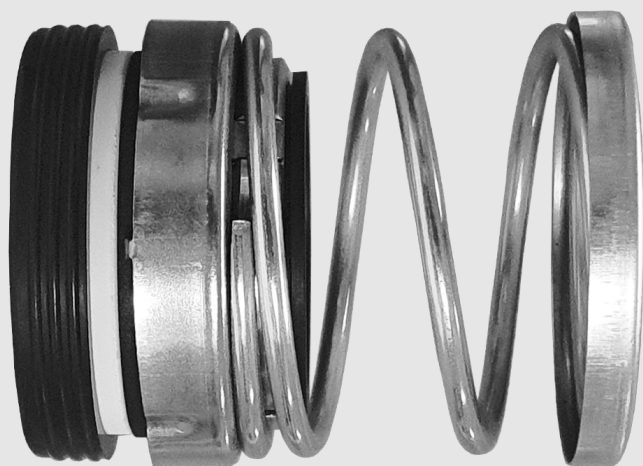


# H21

## 'TYPE 21' SPECIFICATION SHEET



- ▶ **Diaphragm / band drive**
- ▶ **General purpose**
- ▶ **Industry standard**

H21 is the most widely used mechanical seal due to its low cost / high efficiency ratio. It is a diaphragm, parallel spring mechanical seal which is self-aligning and positively driven via a drive band.

It is designed to suit imperial shaft sizes and widely configurable to suit both US and Euro installation requirements. For straight shafts, a setting collar can be supplied.

▶ **Operating conditions**

Temperature: -30°C to +200°C  
 Pressure: up to 10 bar, 145 psi  
 Speed: up to 13m/s, 2500 fpm

▶ **Material Options**

Rotary Face: CAB, SiC or TC  
 Stationary Face: CER, SiC or TC  
 Elastomer: N, V or EP  
 Metal Parts: Stainless Steel

**PARTS**

- A** Seat Cup
- B** Seat (CM Standard)
- C** Rotary Face
- D** Retainer
- E** Rubber Diaphragm
- F** Drive Band
- G** Spring
- H** Spring Cap

**EQUIVALENT**

- T21
- P04
- P04U
- Type 11
- MG9

**STANDARD SEAT**

- CM, G55 US Cup Seat
- OG US O-ring Seat

**ALTERNATIVE SEAT**

- N, G50 Euro Cup Seat
- W Euro O-ring Seat

**DIMENSIONS**

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

D1	D7	L4	D3	L1
0.375"	0.875"	22.2	6.3	22.2
0.500"	1.000"	25.4	8.0	22.2
0.625"	1.250"	31.8	10.3	22.2
0.750"	1.375"	34.9	10.3	22.2
0.875"	1.500"	38.1	10.3	24.0
1.000"	1.625"	41.3	11.0	25.4
1.125"	1.750"	44.5	11.0	27.0
1.250"	1.875"	47.6	11.0	27.0
1.375"	2.000"	50.8	11.0	28.5
1.500"	2.125"	54.0	11.0	28.5
1.625"	2.375"	60.3	12.7	35.0
1.750"	2.500"	63.5	12.7	35.0
1.875"	2.625"	66.7	12.7	38.0
2.000"	2.750"	69.9	12.7	38.0
2.125"	3.000"	76.2	14.3	43.0
2.250"	3.125"	79.4	14.3	43.0
2.375"	3.250"	82.6	14.3	46.0
2.500"	3.375"	85.7	14.3	46.0
2.625"	3.375"	85.7	16.0	49.0
2.750"	3.500"	88.9	16.0	49.0
2.875"	3.750"	95.3	16.0	52.5
3.000"	3.875"	98.4	16.0	52.5
3.125"	4.000"	101.6	19.8	55.6
3.250"	4.125"	104.8	19.8	55.6
3.375"	4.250"	108.0	19.8	55.6
3.500"	4.375"	111.1	19.8	55.6
3.625"	4.500"	114.3	19.8	58.7
3.750"	4.625"	117.5	19.8	58.7
3.875"	4.750"	120.7	19.8	61.9
4.000"	4.875"	123.8	19.8	61.9