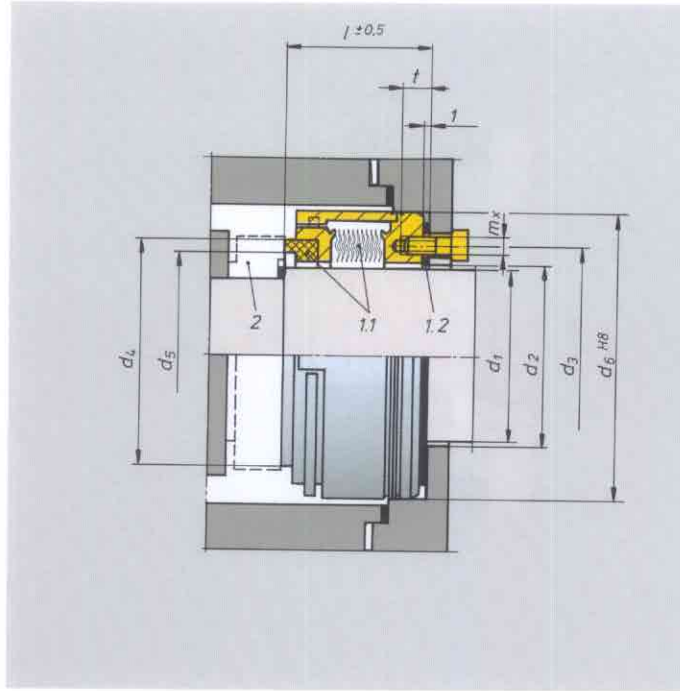


MFL 65



HRN / MFL65

- ▶ **Single seal**
- ▶ **Balanced**
- ▶ **Independent of direction of rotation**
- ▶ **Metal bellows**

The MFL 65 mechanical seal was specially developed for high temperature ranges and sliding velocities. Its torque transmission exerts no strain on the bellows. The seal design requires no elastomer secondary seals.

Operating limits

d_1 = 16 ... 100 mm 0.64" ... 4"
(> 100 mm on request)
 p_1 = with external pressurization¹⁾:
 = 25 bar 360 PSI
 with internal pressurization²⁾:
 < 60° C 10 bar 145 PSI
 < 125° C 7 bar 100 PSI
 < 220° C 5 bar 72 PSI
 t = -20 ... 400°C -30°F...755°F
 v_B = 50 m/s 165 ft/s

¹⁾ Higher pressures possible with special designs – please refer to Burgmann.
²⁾ Positively retained stationary seat.

MFL 65

Item	Part DIN	Description
1.1	472 and 481	Seal face and bellows unit
1.2	400.1	Flat gasket
2	475	Stationary seat

Combination of materials

Bellows:
 M_B - Inconel 718, 2.4819
 M_B - Hastelloy C
 Seal face: A, Q₁₂
 Rotating seat: Q₁, S
 Other metal parts:
 1.4462, 1.3917, 2.4610

Stationary seats

The stationary seat design is chosen according to the specific requirements and conditions of operation.

Nom.φ	d_1	d_2	d_3	d_4	d_5	d_6	l	$n \times m_x$	t
19	16-19	20.5	29	30.3	25.3	45.0	33.5	4 x M4	6
24	20-24	25.5	35	38.8	33.8	49.0	33.5	4 x M4	6
30	25-30	31.5	40	43.6	38.6	55.0	34.5	6 x M4	6
35	31-35	36.0	45	45.8	40.8	59.0	33.0	6 x M4	6
40	36-40	41.0	50	51.5	46.5	65.0	30.5	6 x M4	6
45	41-45	46.0	55	55.2	50.2	69.0	35.5	6 x M4	6
51	46-51	52.0	63	64.7	59.7	76.5	40.5	6 x M5	7
60	52-60	61.0	70	70.6	65.6	84.0	32.0	6 x M5	7
70	61-70	71.0	80	82.8	76.8	95.0	38.0	6 x M5	7
82	71-82	83.5	95	98.0	92.0	112.0	41.0	6 x M6	7
88	83-88	89.5	100	107.7	101.7	120.0	47.0	6 x M6	7
100	89-100	101.0	112	112.7	106.7	130.0	47.0	6 x M6	7