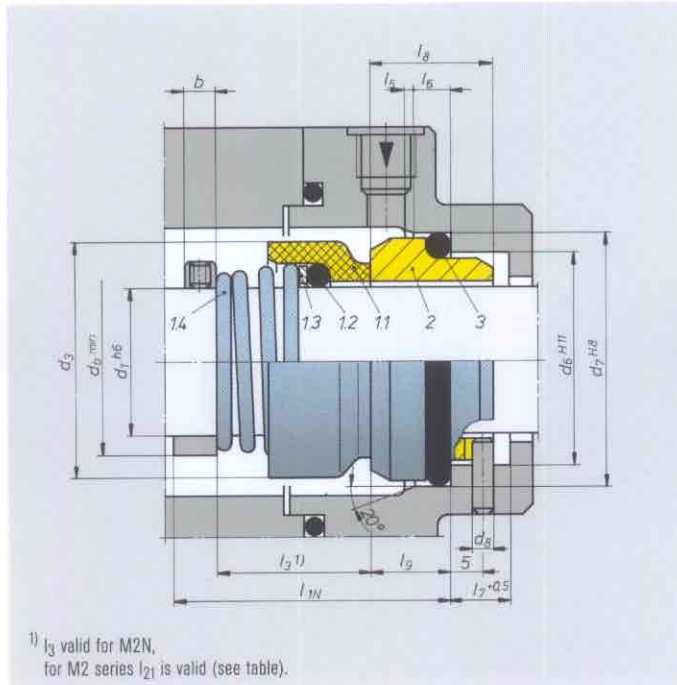


M2N



BT-FN / M2N

- ▶ **Single seal**
- ▶ **Unbalanced**
- ▶ **Conical spring**
- ▶ **Dependent on direction of rotation**
- ▶ **To DIN 24960***

The M2 mechanical seal range features a spring loaded solid carbon graphite seal face. They are cost effective for basic applications such as circulating pumps for water and heating systems.

Operating limits

$d_1 = 6 \dots 38 \text{ mm}$ $0.25^\circ \dots 1.5^\circ$
 $p_1 = 10 \text{ bar}$ 145 PSI
 $t = -20 \dots 180^\circ\text{C}$ $-4^\circ\text{F} \dots 355^\circ\text{F}$
 $v_0 = 15 \text{ m/s}$ 50 ft/s
 Axial movement: $\pm 1.0 \text{ mm}$

M 2 N

Item no.	Part no. to DIN	Description
24250		
1.1	472	Seal face
1.2	412.1	O-ring
1.3	474	Thrust ring
1.4	478	Righthand spring
1.4	479	Lefthand spring
2	475	Type G9 stationary seat
3	412.2	O-ring

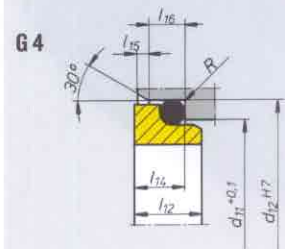
Seal designations

Rotating unit	Stationary seats		
	G 4	G 6	G 9
M 2	M 2	M 2 N 4	M 2 N

Materials (to DIN 24960)

Seal face : B
 Stationary seats G 4: Q₁; S; (Q₂; V)
 G 6: Q₁; S (Q₂; V)
 G 9: Q₁; Q₂; S; V

Stationary seats



Unquoted dimensions as per Item 2

	d ₁	d ₃	d ₆	d ₇	d ₈	d ₁₁	d ₁₂	d _b	l _{1N}	l ₃	l ₅	l ₆	l ₇	l ₈	l ₉	l ₁₀	l ₁₂	l ₁₄	l ₁₅	l ₁₆	l ₂₁	l ₂₈	b	R
6	15	-	-	-	11.8	16.0	8	-	-	-	-	-	-	-	-	-	6.5	5.6	1.2	3.8	10.9	-	-	1.2
8	18	-	-	-	15.5	19.2	11	-	-	-	-	-	-	-	-	-	8.0	7.0	1.2	3.8	15.5	-	-	1.2
10*	20	17	21	3	15.5	19.2	13	40	17.5	1.5	4	8.5	17.5	10.0	7.5	7.5	6.6	1.2	3.8	15.9	6.6	8	1.2	
12*	22	19	23	3	17.5	21.6	16	40	17.5	1.5	4	8.5	17.5	10.0	7.5	6.5	7.0*	1.2	3.8	16.0	6.6	8	1.2	
14*	25	21	25	3	20.5	24.6	18	40	17.5	1.5	4	8.5	17.5	10.0	7.5	6.5	7.0*	1.2	3.8	16.0	6.6	8	1.2	
15	27	-	-	-	20.5	24.6	19	-	-	-	-	-	-	-	-	7.5	6.6	1.2	3.8	17.4	-	-	1.2	
16*	27	23	27	3	22.0	28.0	21	40	19.5	1.5	4	8.5	17.5	10.0	7.5	8.5	7.5	1.5	5.0	19.0	6.6	8	1.5	
18*	30	27	33	3	24.0	30.0	23	45	20.5	2.0	5	9.0	19.5	11.5	8.5	9.0	8.0	1.5	5.0	20.5	7.5	8	1.5	
20*	32	29	35	3	29.5	35.0	26	45	22.0	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	22.0	7.5	8	1.5	
22*	35	31	37	3	29.5	35.0	28	45	23.5	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	23.5	7.5	8	1.5	
24*	38	33	39	3	32.0	38.0	30	50	25.0	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	25.0	7.5	8	1.5	
25*	40	34	40	3	32.0	38.0	31	50	26.5	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	26.5	7.5	8	1.5	
26	41	-	-	-	34.0	40.0	32	-	-	-	-	-	-	-	-	9.0	8.0	1.5	5.0	28.5	-	-	1.5	
28*	43	37	43	3	36.0	42.0	35	50	26.5	2.0	5	9.0	19.5	11.5	8.5	10.0	9.0	1.5	5.0	26.5	7.5	8	1.5	
30	47	-	-	-	39.2	45.0	37	-	-	-	-	-	-	-	-	11.5	10.5	1.5	5.0	25.0	-	-	1.5	
32	48	-	-	-	42.2	48.0	39	-	-	-	-	-	-	-	-	13.0	10.5	1.5	5.0	28.5	-	-	1.5	
35	53	-	-	-	46.2	52.0	43	-	-	-	-	-	-	-	-	13.5	11.0	1.5	5.0	28.5	-	-	1.5	
38	56	-	-	-	49.2	55.0	47	-	-	-	-	-	-	-	-	13.0	10.3	1.5	5.0	32.0	-	-	1.5	

* Installation length differs from G4-seats