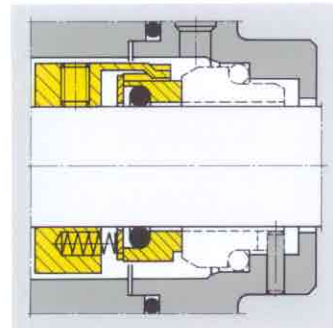
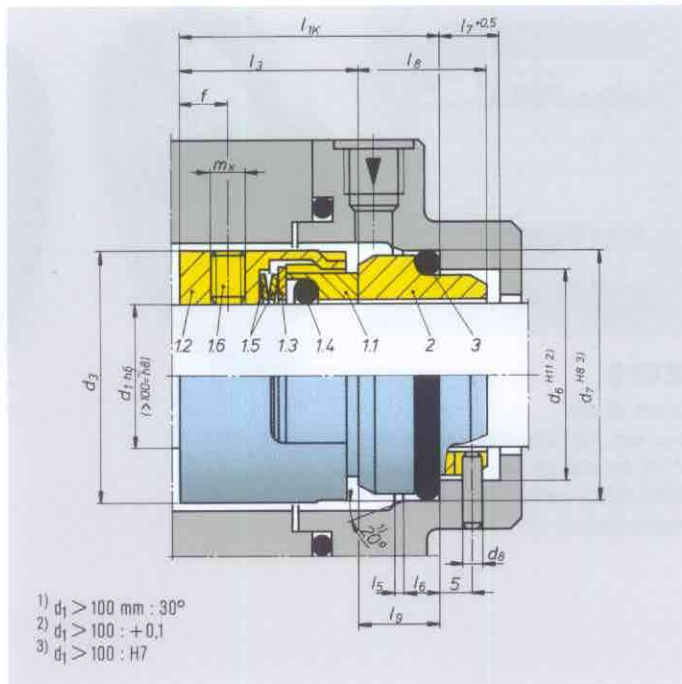
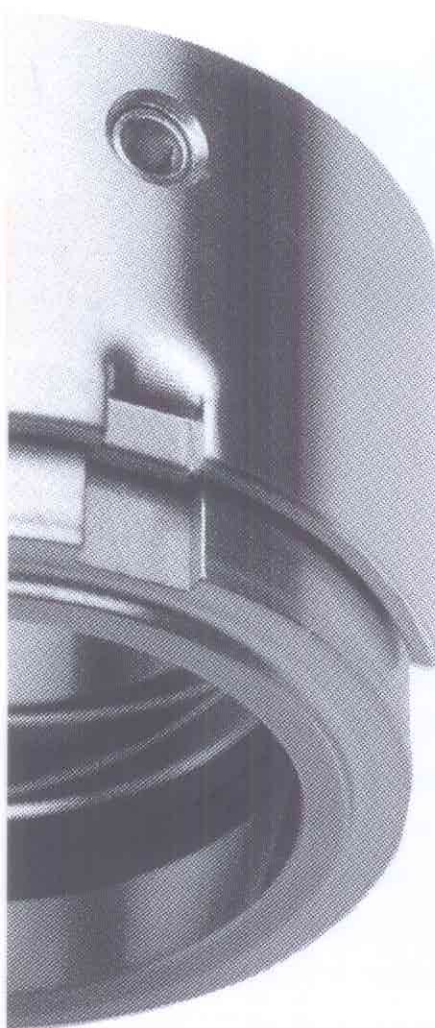


M7N



M74

Dimensions, item no's and descriptions as for M7N, but with **multiple springs** (Item no. 1.5). Preferably for $d_1 > 100$ mm.

- ▶ **Single seal**
- ▶ **Unbalanced**
- ▶ **Independent of direction of rotation**
- ▶ **To DIN 24960***

The M7 mechanical seal range is designed for universal application and ideal suited for standardisation. The loosely inserted seal faces are easily exchanged, permitting all combinations of materials and stock rationalisation. New: with Super-Sinus spring (see page 139).

Operating limits

$d_1 = 14 \dots 200 \text{ mm}$ $0.55^\circ \dots 8^\circ$
 $p_1 = 16 \text{ (25) bar}$ 230 (360) PSI
 $t = -50 \dots 220^\circ \text{C}$
 $-58^\circ \text{F} \dots 430^\circ \text{F}$
 $v_q = 20 \text{ m/s}$ 66 ft/s

Axial movement:
 d_1 up to 25 mm: $\pm 1.0 \text{ mm}$
 d_1 28 to 63 mm: $\pm 1.5 \text{ mm}$
 d_1 65 mm and above: $\pm 2.0 \text{ mm}$

Seal code explanation

- $d_1 = 53 \text{ mm}$
- Seal face made of cast Cr-steel (S)
- Type G13 stationary seat made of carbon graphite (B)
- Viton® O-rings (V)
- Metal parts including spring material 1.4571 (G)
- Rotating unit M 74
- M 74 / 53-G 13 - SBVGG

The basic description M74N/53 - SBVGG indicates a G9 seat, installation dimensions to DIN 24960.

M7N

d_1 max. 100 mm

Item no.	Part no. to DIN 24250	Description
1.1	472	Seal face
1.2	485	Drive collar
1.3	474	Thrust ring
1.4	412.1	O-ring
1.5	477	Spring
1.6	904	Set screw
2	475	Type G9 stationary seat
3	412.2	O-ring

Combination of materials

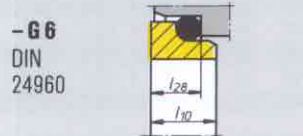
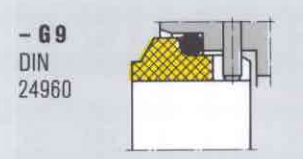
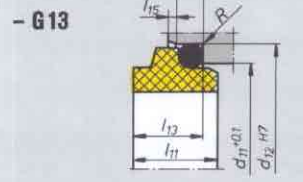
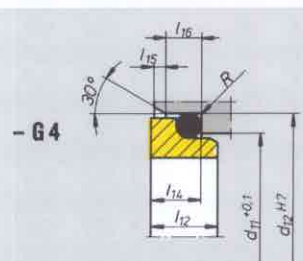
Seal faces	Stationary seats			
	G 4	G 13	G 9	G 6
Q ₁ (Q ₂)	●	●	●	●
S	●	●	●	●
V	●	●	●	●
Q ₁	●	●	●	●
Q ₂	●	●	●	●

Only M 78 N:

	G 9		
	S	V	Q ₁
B	●	●	●
A	●	●	●
Q ₁	-	-	●

(Designations to DIN 24960, see inside the back cover of this manual)

Stationary seats



Unquoted dimensions as for item no. 2

Torque transmission $d_1 > 100 \text{ mm}$

4 set screws with cone points (standard arrangement).

