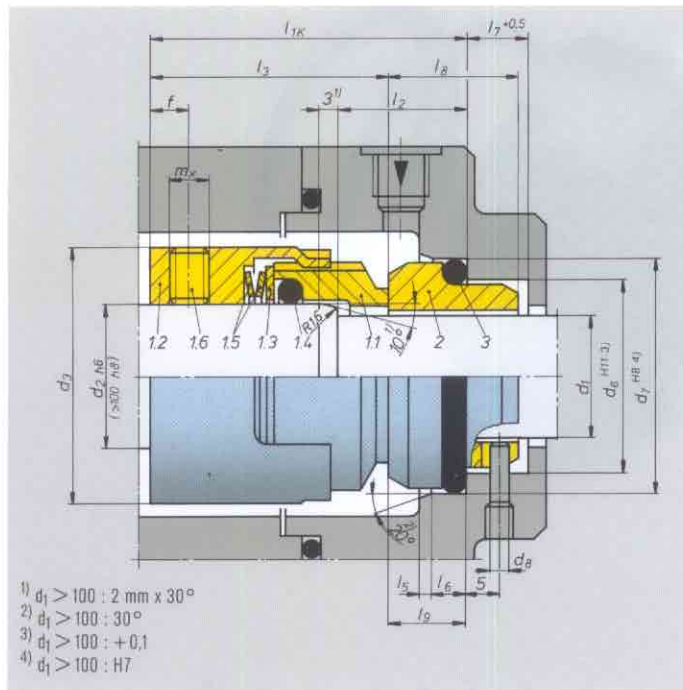
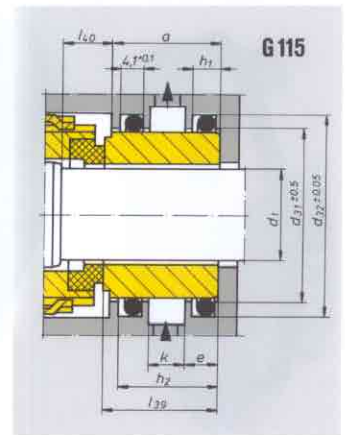


H7N



Stationary seat alternative



The standard H7N range only features the stationary seat with the G9 shape. It can be combined with the stationary seat G115 specifically for hot water application (cooling of the seat). Example of description: H 75 G 115/d₁ (v_g = 20 m/s max.).

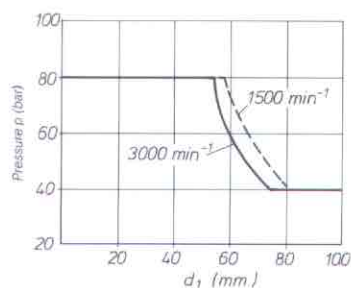
- ▶ **Single seal**
- ▶ **Balanced**
- ▶ **Independent of direction of rotation**
- ▶ **To DIN 24 960***

The H7N mechanical seal range is designed for universal application and the interchangeable parts concept is ideal for stock rationalisation. The seal faces are loosley inserted and can be easily exchanged, the thrust ring is retained by the drive lugs preventing the springs falling out. New: H7N with Super-Sinus spring (see page 139).

Operating limits

d_1 = 14 ... 200 mm 0.55° ... 8°
 p_1 = 25 (40 bar*) 360 (580) PSI
 t = -50 ... 220°C -58°F ... 430°F
 v_g = 20 m/s 66 ft/s

*) With a shrink-fitted carbon graphite seal face (A), a stationary seat in Q₁, secondary seals made of V, P (90 Shore) or E (80 Shore), and a product temperature of a maximum 100°C, the pressure operating limits are as shown in the graph:



H7N

Single spring (d₁ max. 100 mm)

Axial movement:
 d_1 up to 22 mm: ± 1.0 mm
 d_1 24 to 58 mm: ± 1.5 mm
 d_1 60 mm and above: ± 2.0 mm

Item Part no. Description to DIN 24 250

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	Stationary seat
3	412.2	O-ring

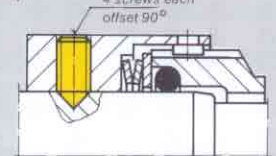
Combination of materials

Seal faces	Stationary seats			
	- G 9		- G 115	
	A, B	Q ₂	Q ₁	Q ₁₂
A*)	-	●	●	●
Q ₁	●	●	●	-
Q ₂	●	●	●	-
V	●	-	-	-
S	●	-	-	-

*only in the shrink-fitted version for H 75 N, H 76 N, H 75 G 16

Torque transmission

For $d_2 > 100$ mm: via 4 set screws with cone points (standard arrangement).



Torque transmission by key is possible for all types in the H 7 range (no item no. 1.6). Seal code e.g. H 7S2/d₁

