

## M3N

### Mechanical seal for plain shafts, spring rotating

- single seal
- unbalanced
- conical spring
- dependent on direction of rotation
- EN 12756 (DIN 24960)



The M3 mechanical seals are immensely popular. Extremely rugged and reliable, they cover a wide spectrum of applications – in water pumps, sewage pumps, submerged pumps, chemical pumps, etc.

#### Operating limits (Important note)

d1 = 6 ... 80 mm                      0.25" ... 3.125"  
 (M37G from d1 = 16 mm)  
 (M37 up to d1 = 55 mm)  
 p1 = 10 bar                              145 PSI  
 t = - 20 ... 180°C                      - 4°F ... 355°F  
 (M37 up to 120°C)  
 vg = 10 (15) m/s                        33 (50) ft/s  
 Axial movement:  
 ± 1.0 mm

#### Stationary seats

G13   G4   G6   G9

#### Materials

Seal faces	Stationary seats					
	G4			G13		
	S	V	Q2 (Q4)	A, B		
M3 (S)	-	-	-	M3		
M32 (A, B)	M32	M32	M32	-		
M37 (U1)	-	-	M37	M37		
M37G (Q12, Q22, U22)	-	-	M37G	M37G		

  

Seal faces	Stationary seats					
	G6 *)			G9		
	S	V	Q1 (Q2)	A, B	V	Q1 (Q2)
M3 (S)	-	-	-	M3N	-	-
M32 (A, B)	M32N4	M32N4	M32N4	-	M32N	M32N
M37 (U1)	-	-	M37N4	M37N	-	M37N
M37G (Q12, Q22, U22)	-	-	M37GN4	M37GN	-	M37GN

\*) Stationary seat G6 is also available in materials A and B = style G30 (longer fitting length than G6).

All material designations according to DIN 24960.