

HJ977N

'HJ977GN'

SPECIFICATION SHEET



- O-ring, Wave-Spring Pusher
- To DIN EN 12756 Standards
- Balanced
- Bi-directional
- Shrink-Fitted - SiC Rotary
- Solid - SiC Stationary

HJ977N is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "HJ977GN" design, except the stationary is available standard as solid SiC instead of shrink-fitted.

It is balanced to suit straight shafts. It is o-ring mounted and relies on a one-piece, sinuous wave-spring located in the rotary away from the product, eliminating the possible effects of clogging.

It is suitable for solids-containing or high-viscosity media.

► Operating conditions¹

Temperature: -50°C to +220°C
 Pressure: < 25 bar, 360 psi, 2.5 MPa
 Speed: < 20m/s, 4000 fpm
 rpm < 1200000/(3.14 x D1)

► Material Options

Rotary Face: shrink-fit (SiC)
 Stationary Face: SiC
 Elastomer: N, V or EP
 Metal Parts: 304S.S.

SEAT OPTIONS

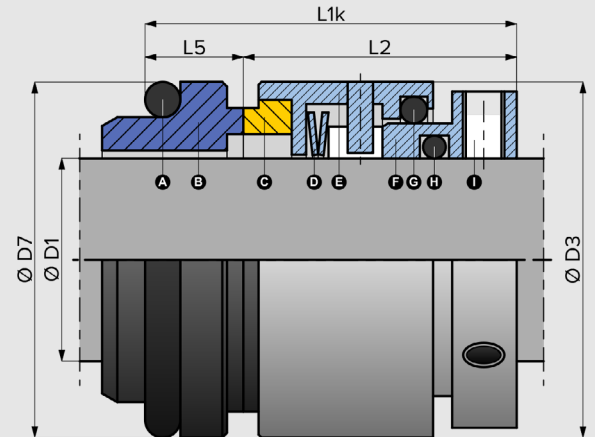
- A Stationary O-ring
- B Stationary Face / Ring
- C Rotary Face / Ring
- D Rotary Wave-Spring
- E Rotary Holder
- F Rotary Drive Collar
- G Rotary O-ring
- H Rotary O-ring
- I Rotary Set Screws

SEAT OPTIONS

- G46 standard - solid SiC
optional - shrink-fit (SiC)
- G16 equiv. to: HJ97GN5
 solid SiC or shrink-fit (SiC)

EQUIVALENT

HJ977GN
 Sterling GNZ
 M010
 Type 40S
 RB697



SEAT OPTIONS

D1 = Shaft Size
 L1 = Rotary W.L.

D7 = Seat Cavity
 L4 = Seat Height

D3 = Rotary OD
 L1k = DIN L1k norm.

D1	D3	D7	L5	L2	L1k
18mm	32.0	33.0	9.0	28.5	37.5
20mm	34.0	35.0	9.0	28.5	37.5
22mm	36.0	37.0	9.0	28.5	37.5
24mm	38.0	39.0	9.0	31.0	40.0
25mm	39.0	40.0	9.0	31.0	40.0
28mm	42.0	43.0	9.5	33.0	42.5
30mm	44.0	45.0	9.5	33.0	42.5
32mm	47.0	48.0	9.5	33.0	42.5
33mm	47.0	48.0	9.5	33.0	42.5
35mm	49.0	50.0	9.5	33.0	42.5
38mm	54.0	56.0	10.5	34.5	45.0
40mm	56.0	58.0	10.5	34.5	45.0
43mm	59.0	61.0	10.5	34.5	45.0
45mm	61.0	63.0	10.5	34.5	45.0
48mm	64.0	66.0	10.5	34.5	45.0
50mm	66.0	70.0	12.0	35.5	47.5
53mm	69.0	73.0	12.0	35.5	47.5
55mm	71.0	75.0	12.0	35.5	47.5
58mm	78.0	78.0	13.0	39.5	52.5
60mm	80.0	80.0	13.0	39.5	52.5
63mm	83.0	83.0	13.0	39.5	52.5
65mm	85.0	95.0	13.0	39.5	52.5
68mm	88.0	90.0	13.5	39.0	52.5
70mm	90.0	92.0	14.0	46.0	60.0
75mm	99.0	97.0	14.0	46.0	60.0
80mm	104.0	105.0	14.0	46.0	60.0
85mm	109.0	110.0	14.0	46.0	60.0
90mm	114.0	115.0	15.5	49.5	65.0
95mm	119.0	120.0	15.5	49.5	65.0
100mm	124.0	125.0	15.5	49.5	65.0