



SNR 7011HVUJ84 Super Precision Bearings

Bearing No. 7011HVUJ84

d	55 mm
D	90 mm
B	18 mm
d1	66.8 mm
D1	78.2 mm
D2	83.39 mm
a	26 mm
Contact angle	25 °
rs min	1.1 mm
r1s min	1 mm
f0	15.94
Precision class	P4
Mass	0.39 kg
Dynamic load, C	29.5 kN
Static load, C0	26.2 kN
Fatigue limit load, Cu	1.46 kN
Nlim (oil)	22,000 rpm
Nlim (grease)	14,500 rpm
Axial displacement K Factor	0.54
Preload level	8
Preload value	0.77 kN
Axial rigidity	255 N/ μ m
Radial rigidity	506 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

7011HVUJ84 Bearing 2D drawings and 3D CAD models



Hmg Industriebedarf GmbH

Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.5 Hz
Characteristic outer ring frequency, BPF0	8.81 Hz
Characteristic inner ring frequency, BPF1	11.19 Hz
da min	62 mm
db min	62 mm
Da max	83 mm
Db max	83 mm
r1a max	1 mm
ra max	1 mm
D6	69.8 mm