



SNR 71912.HV.U.J84 High precision angular contact ball bearings

Bearing No. 71912.HV.U.J84

d	60 mm
D	85 mm
B	13 mm
d1	68.1 mm
D1	76.9 mm
D2	80.19 mm
a	23 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.3 mm
f0	16.65
Precision class	P4
Mass	0.2 kg
Dynamic load, C	18 kN
Static load, C0	17.7 kN
Fatigue limit load, Cu	1 kN
Nlim (oil)	22,000 rpm
Nlim (grease)	14,500 rpm
Axial displacement K Factor	0.55
Preload level	8
Preload value	0.46 kN
Axial rigidity	207 N/ μ m
Radial rigidity	418 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

71912.HV.U.J84 Bearing 2D drawings and 3D CAD models



Hmg Industriebedarf GmbH

Tmax	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.07 Hz
Characteristic outer ring frequency, BPF0	10.47 Hz
Characteristic inner ring frequency, BRFI	12.53 Hz
da min	65.5 mm
db min	65.5 mm
Da max	79.5 mm
Db max	79.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	70.4 mm