

# Timken SMN307KB deep groove ball bearings

What is Timken SMN307KB deep groove ball bearings in mechanical engineering? Manufacturing Service . Upload your CAD file for 35x62x14 Size (mm) an instant.

Size (mm)	35x62x14
Bore Diameter (mm)	35
Outer Diameter (mm)	62
Width (mm)	14
d	35 mm
D	62 mm
B	14 mm
C	14 mm
Angle ( $\alpha$ )	15 °
d1	43.2 mm
d2	40.9 mm
D1	54.31 mm
D2	56.71 mm
a	14 mm
Contact angle $\alpha$	17 °
rs min	1 mm
r1s min	0.6 mm
f0	7.97
Precision class	P4S
Mass	0.15 kg
Dynamic load, C	10.4 kN
Static load, C0	6.1 kN

Fatigue limit load, Cu	0.37 kN
Nlim (grease)	33,000 rpm
Axial displacement K Factor	1.32
Preload level	7
Preload value	0.05 kN
Axial rigidity	39 N/ $\mu$ m
Radial rigidity	198 N/ $\mu$ m
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.33 Hz
Characteristic outer ring frequency, BPF0	8.72 Hz
Characteristic inner ring frequency, BRFI	11.28 Hz
da min	40.5 mm
db min	40.5 mm
Da max	56.5 mm
Db max	56.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	45.5 mm