

# Timken 307K deep groove ball bearings

Manufacturers of all are represented in our partial list 80 Bore Diameter (mm) of clients. Contact Gary for 80x50x16 Size (mm) a complete Timken 307K deep groove ball bearings list of clients and 50 Outer Diameter (mm) projects.

Size (mm)	80x50x16
Bore Diameter (mm)	80
Outer Diameter (mm)	50
Width (mm)	16
d	50 mm
D	80 mm
B	16 mm
d1	60.25 mm
d2	57.9 mm
D1	69.75 mm
b	1.7 mm
C1	8.6 mm
C2	2.7 mm
C3	3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	16.8 mm
da – min.	54.6 mm
db – min.	54.6 mm
Da – max.	75.4 mm
Db – max.	75.8 mm

ra – max.	1 mm
rb – max.	0.6 mm
dn	62.3 mm
Basic dynamic load rating – C	15.6 kN
Basic static load rating – C0	10.6 kN
Fatigue load limit – Pu	0.45 kN
Limiting speed for grease lubrication	25000 r/min
Limiting speed for oil lubrication	38000 mm/min
Ball – Dw	7.938 mm
Ball – z	21
Gref	4.1 cm <sup>3</sup>
Calculation factor – f0	8.2
Preload class A – GA	85 N
Preload class B – GB	250 N
Preload class C – GC	500 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.05
Calculation factor – fHC	1
Preload class A	42 N/micron
Preload class B	65 N/micron
Preload class C	88 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	54.6 mm
db min.	54.6 mm
Da max.	75.4 mm
Db max.	75.8 mm

ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	15.6 kN
Basic static load rating C0	10.6 kN
Fatigue load limit Pu	0.45 kN
Attainable speed for grease lubrication	25000 r/min
Attainable speed for oil-air lubrication	38000 r/min
Ball diameter Dw	7.938 mm
Number of balls z	21
Reference grease quantity Gref	4.1 cm <sup>3</sup>
Preload class A GA	85 N
Static axial stiffness, preload class A	42 N/μm
Preload class B GB	250 N
Static axial stiffness, preload class B	65 N/μm
Preload class C GC	500 N
Static axial stiffness, preload class C	88 N/μm
Calculation factor f	1.08
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.05
Calculation factor fHC	1
Calculation factor f0	8.2
Mass bearing	0.25 kg