

# Timken 201KTD deep groove ball bearings

Timken 201KTD deep groove ball bearings SEARCH – Whether it's 80x50x16 Size (mm) agriculture or construction equipment your working on, Has the you need.

Size (mm)	80x50x16
Bore Diameter (mm)	80
Outer Diameter (mm)	50
Width (mm)	16
d	50 mm
D	80 mm
B	16 mm
d1	59.2 mm
d2	59.2 mm
D1	70.8 mm
b	2 mm
C1	8.6 mm
C2	3.6 mm
C3	2.8 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	16.8 mm
da – min.	54.6 mm
db – min.	54.6 mm
Da – max.	75.4 mm
Db – max.	78 mm
ra – max.	1 mm

rb – max.	0.3 mm
dn	61.2 mm
Basic dynamic load rating – C	29.6 kN
Basic static load rating – C0	24 kN
Fatigue load limit – Pu	1 kN
Limiting speed for grease lubrication	17000 r/min
Limiting speed for oil lubrication	28000 mm/min
Ball – Dw	9.525 mm
Ball – z	18
Gref	3.6 cm <sup>3</sup>
Calculation factor – f0	15.4
Preload class A – GA	110 N
Preload class B – GB	220 N
Preload class C – GC	440 N
Preload class D – GD	880 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.09
Calculation factor – fHC	1
Preload class A	58 N/micron
Preload class B	79 N/micron
Preload class C	111 N/micron
Preload class D	161 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	54.6 mm
db min.	54.6 mm

Da max.	75.4 mm
Db max.	78 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	29.6 kN
Basic static load rating C0	24 kN
Fatigue load limit Pu	1.02 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	28000 r/min
Ball diameter Dw	9.525 mm
Number of balls z	18
Reference grease quantity Gref	3.6 cm <sup>3</sup>
Preload class A GA	110 N
Static axial stiffness, preload class A	58 N/μm
Preload class B GB	220 N
Static axial stiffness, preload class B	79 N/μm
Preload class C GC	440 N
Static axial stiffness, preload class C	111 N/μm
Preload class D GD	880 N
Static axial stiffness, preload class D	161 N/μm
Calculation factor f	1.11
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor f2D	1.09
Calculation factor fHC	1
Calculation factor f0	15.4
Mass bearing	0.25 kg