

# NTN R14LLB deep groove ball bearings

How do 100 Bore Diameter (mm) you find the NTN R14LLB deep groove ball bearings specification? 65 Outer Diameter (mm) Manufacturers 100x65x18 Size (mm) Online Free check

Size (mm)	100x65x18
Bore Diameter (mm)	100
Outer Diameter (mm)	65
Width (mm)	18
d	65 mm
D	100 mm
B	18 mm
d1	77.26 mm
d2	74.9 mm
D1	87.72 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	28.4 mm
da – min.	71 mm
db – min.	71 mm
Da – max.	94 mm
Db – max.	95.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	79.3 mm
Basic dynamic load rating – C	19.5 kN
Basic static load rating – C0	14.6 kN

Fatigue load limit – Pu	0.62 kN
Limiting speed for grease lubrication	20000 r/min
Limiting speed for oil lubrication	31000 mm/min
Ball – Dw	8.731 mm
Ball – z	25
Gref	6.2 cm <sup>3</sup>
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	170 N
Preload class B – GB	520 N
Preload class C – GC	1040 N
Calculation factor – f	1.09
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1.01
Preload class A	146 N/micron
Preload class B	220 N/micron
Preload class C	287 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	71 mm
db min.	71 mm
Da max.	94 mm
Db max.	95.8 mm

ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	19.5 kN
Basic static load rating C0	14.6 kN
Fatigue load limit Pu	0.62 kN
Attainable speed for grease lubrication	20000 r/min
Attainable speed for oil-air lubrication	31000 r/min
Ball diameter Dw	8.731 mm
Number of balls z	25
Reference grease quantity Gref	6.2 cm <sup>3</sup>
Preload class A GA	170 N
Static axial stiffness, preload class A	146 N/μm
Preload class B GB	520 N
Static axial stiffness, preload class B	220 N/μm
Preload class C GC	1040 N
Static axial stiffness, preload class C	287 N/μm
Calculation factor f	1.09
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92

Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.39 kg