

# NSK HR320/32XJ tapered roller bearings

The 90 Bore Diameter (mm) online NSK HR320/32XJ tapered roller bearings parts store gives you immediate access to a selection of more than 1.4 90x55x18 Size (mm) million new, used, remanufactured.

Size (mm)	90x55x18
Bore Diameter (mm)	90
Outer Diameter (mm)	55
Width (mm)	18
d	55 mm
D	90 mm
B	18 mm
d1	68.18 mm
d2	66.65 mm
D2	79.39 mm
b	2.2 mm
C1	9 mm
C2	4.3 mm
C3	2.8 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	18.8 mm
da – min.	61 mm
db – min.	61 mm
Da – max.	84 mm
Db – max.	86.8 mm

ra – max.	1 mm
rb – max.	0.6 mm
dn	69.2 mm
Basic dynamic load rating – C	14 kN
Basic static load rating – C0	11 kN
Fatigue load limit – Pu	0.465 kN
Limiting speed for grease lubrication	26000 r/min
Limiting speed for oil lubrication	40000 mm/min
Ball – Dw	6.747 mm
Ball – z	26
Gref	4.69 cm <sup>3</sup>
Calculation factor – f0	9.7
Preload class A – GA	46 N
Preload class B – GB	92 N
Preload class C – GC	275 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – fHC	1.01
Preload class A	43 N/micron
Preload class B	56 N/micron
Preload class C	88 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	61 mm
db min.	61 mm
Da max.	84 mm
Db max.	86.8 mm

ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	18.6 kN
Basic static load rating C0	19 kN
Fatigue load limit Pu	0.465 kN
Attainable speed for grease lubrication	26000 r/min
Attainable speed for oil-air lubrication	40000 r/min
Ball diameter Dw	6.747 mm
Number of balls z	26
Reference grease quantity Gref	4.69 cm <sup>3</sup>
Preload class A GA	46 N
Static axial stiffness, preload class A	43 N/μm
Preload class B GB	92 N
Static axial stiffness, preload class B	56 N/μm
Preload class C GC	275 N
Static axial stiffness, preload class C	88 N/μm
Calculation factor f	1.06
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor fHC	1.01
Calculation factor f0	9.7
Mass bearing	0.4 kg