

# KOYO HH932132/HH932110 tapered roller bearings

Manufacturers of all are represented in our 55x30x13 Size (mm) partial 55 Bore Diameter (mm) list of clients. Contact Gary 30 Outer Diameter (mm) for a complete KOYO HH932132/HH932110 tapered roller bearings list of clients and projects.

Size (mm)	55x30x13
Bore Diameter (mm)	55
Outer Diameter (mm)	30
Width (mm)	13
d	30 mm
D	55 mm
B	13 mm
d1	38.2 mm
d2	36.4 mm
D2	48.1 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	16.4 mm
da – min.	34.6 mm
da – max.	37.8 mm
db – min.	34.6 mm
db – max.	36 mm
Da – max.	50.4 mm
Db – max.	50.8 mm
ra – max.	1 mm
rb – max.	0.6 mm

Basic dynamic load rating – C	8.8 kN
Basic static load rating – C0	5 kN
Fatigue load limit – Pu	0.212 kN
Limiting speed for grease lubrication	42000 r/min
Ball – Dw	6.35 mm
Ball – z	17
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	80 N
Preload class B – GB	240 N
Preload class C – GC	480 N
Calculation factor – f	1.05
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	79 N/micron
Preload class B	117 N/micron
Preload class C	153 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	34.6 mm
da max.	37.8 mm
db min.	34.6 mm
db max.	36 mm

Da max.	50.4 mm
Db max.	50.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	8.84 kN
Basic static load rating C <sub>0</sub>	5 kN
Fatigue load limit P <sub>u</sub>	0.212 kN
Attainable speed for grease lubrication	42000 r/min
Ball diameter D <sub>w</sub>	6.35 mm
Number of balls z	17
Preload class A GA	80 N
Static axial stiffness, preload class A	79 N/μm
Preload class B GB	240 N
Static axial stiffness, preload class B	117 N/μm
Preload class C GC	480 N
Static axial stiffness, preload class C	153 N/μm
Calculation factor f	1.05
Calculation factor f <sub>1</sub>	0.99
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.03
Calculation factor f <sub>2C</sub>	1.06
Calculation factor f <sub>HC</sub>	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y <sub>2</sub>	0.87
Calculation factor (single, tandem) Y <sub>0</sub>	0.38
Calculation factor (single, tandem) X <sub>2</sub>	0.41
Calculation factor (back-to-back, face-to-face) Y <sub>1</sub>	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	0.11 kg