

# KOYO KAC080 deep groove ball bearings

High Quality KOYO KAC080 deep groove ball bearings. Competitive 68x40x15 Size (mm) Pricing. Accept Small Order. Easy and Fast Shipping. 40 Outer Diameter (mm)

Size (mm)	68x40x15
Bore Diameter (mm)	68
Outer Diameter (mm)	40
Width (mm)	15
d	40 mm
D	68 mm
B	15 mm
d1	49.2 mm
d2	49.2 mm
D1	58.8 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	20.2 mm
da – min.	44.6 mm
db – min.	44.6 mm
Da – max.	63.4 mm
Db – max.	66 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	50.8 mm
Basic dynamic load rating – C	15.9 kN
Basic static load rating – C0	10.4 kN

Fatigue load limit – Pu	0.44 kN
Limiting speed for grease lubrication	22000 r/min
Limiting speed for oil lubrication	34000 mm/min
Ball – Dw	7.938 mm
Ball – z	18
Gref	2.4 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	100 N
Preload class B – GB	200 N
Preload class C – GC	400 N
Preload class D – GD	800 N
Calculation factor – f	1.06
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1.02
Preload class A	107 N/micron
Preload class B	138 N/micron
Preload class C	180 N/micron
Preload class D	238 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	44.6 mm

db min.	44.6 mm
Da max.	63.4 mm
Db max.	66 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	15.9 kN
Basic static load rating C0	10.4 kN
Fatigue load limit Pu	0.44 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air lubrication	34000 r/min
Ball diameter Dw	7.938 mm
Number of balls z	18
Reference grease quantity Gref	2.4 cm <sup>3</sup>
Preload class A GA	100 N
Static axial stiffness, preload class A	107 N/μm
Preload class B GB	200 N
Static axial stiffness, preload class B	138 N/μm
Preload class C GC	400 N
Static axial stiffness, preload class C	180 N/μm
Preload class D GD	800 N
Static axial stiffness, preload class D	238 N/μm
Calculation factor f	1.06
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor f2D	1.08
Calculation factor fHC	1.02
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	0.17 kg