

FAG 230/500-B-K-MB + H30/500-HG spherical roller bearings

Online 68x40x15 Size (mm) FAG 230/500-B-K-MB + H30/500-HG spherical roller bearings Expert.More 40 Outer Diameter (mm) Choices. FAG 230/500-B-K-MB + H30/500-HG spherical roller bearings in Stock & Ready 68 Bore Diameter (mm) to Ship Now!

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 – C ₀	10.4 kN
Fatigue load limit – P _u	0.44 kN
Limiting speed for grease lubrication	22000 r/min
Limiting speed for oil lubrication	34000 mm/min
Ball – D _w	7.938 mm
Ball – z	18
G _{ref}	2.4 cm ³
Calculation factor – e	0.68
Calculation factor – Y ₂	1.41
Calculation factor – Y ₀	0.76
Calculation factor – X ₂	0.67
Calculation factor – Y ₁	0.92
Preload class A – G _A	100 N
Preload class B – G _B	200 N
Preload class C – G _C	400 N
Preload class D – G _D	800 N
Calculation factor – f	1.06
Calculation factor – f ₁	0.99
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.02
Calculation factor – f _{2C}	1.05
Calculation factor – f _{2D}	1.08
Calculation factor – f _{HC}	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
r _{1,2} min.	1 mm
r _{3,4} 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 ³
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