

# FAG 23096-K-MB spherical roller bearings

Welcome to the FAG 23096-K-MB spherical roller bearings 90x65x13 Size (mm) online 90 Bore Diameter (mm) seller.

Size (mm)	90x65x13
Bore Diameter (mm)	90
Outer Diameter (mm)	65
Width (mm)	13
d	65 mm
D	90 mm
B	13 mm
d1	72.7 mm
d2	72.7 mm
D1	82.3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	17 mm
da – min.	69.6 mm
db – min.	69.6 mm
Da – max.	85.4 mm
Db – max.	88 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	74.7 mm
Basic dynamic load rating – C	20.8 kN
Basic static load rating – C0	17 kN
Fatigue load limit – Pu	0.71 kN

Limiting speed for grease lubrication	17000 r/min
Limiting speed for oil lubrication	26000 mm/min
Ball – Dw	7.938 mm
Ball – z	26
Gref	2.85 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	10.7
Preload class A – GA	80 N
Preload class B – GB	160 N
Preload class C – GC	320 N
Preload class D – GD	640 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.07
Calculation factor – f <sub>2C</sub>	1.12
Calculation factor – f <sub>2D</sub>	1.18
Calculation factor – f <sub>HC</sub>	1.04
Preload class A	62 N/micron
Preload class B	84 N/micron
Preload class C	115 N/micron
Preload class D	164 N/micron
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7   ISO P4
Material – Ball	Ceramic

Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch – Metric	Metric
Other Features	Single Row   Angular Contact   High Capacity Basic Design
Long Description	65MM Bore; 90MM Outside Diameter; 13MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Ceramic Bal
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Bore	2.559 Inch   65 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
Width	0.512 Inch   13 Millimeter
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	69.6 mm
db min.	69.6 mm
Da max.	85.4 mm

Db max.	88 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	20.8 kN
Basic static load rating C0	17 kN
Fatigue load limit Pu	0.71 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Ball diameter Dw	7.938 mm
Number of balls z	26
Reference grease quantity Gref	2.85 cm <sup>3</sup>
Preload class A GA	80 N
Static axial stiffness, preload class A	62 N/μm
Preload class B GB	160 N
Static axial stiffness, preload class B	84 N/μm
Preload class C GC	320 N
Static axial stiffness, preload class C	115 N/μm
Preload class D GD	640 N
Static axial stiffness, preload class D	164 N/μm
Calculation factor f	1.2
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12

Calculation factor f <sub>2D</sub>	1.18
Calculation factor f <sub>HC</sub>	1.04
Calculation factor f <sub>0</sub>	10.7
Mass bearing	0.17 kg