



BEARING DRIVESHAFT, INC.



2310 k Bearing 2D drawings and 3D CAD models

50 mm x 110 mm x 40 mm skf 2310 k bearing

Bearing No. 2310 k

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.648
EAN	7316576608759
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-2310
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg 1:12 Taper
Long Description	50MM Bore; Tapered Adapter Mount; 110MM Outside Diameter; 40MM Inner Race Width; 40MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
Category	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68



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Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2310 K
Weight / LBS	3.631
d	1.969 Inch 50 Millimeter
D	4.331 Inch 110 Millimeter
Outer Race Width	1.575 Inch 40 Millimeter
Inner Race Width	1.575 Inch 40 Millimeter
bore diameter:	50 mm
static load capacity:	20 kN
outside diameter:	110 mm
precision rating:	Not Rated
overall width:	40 mm
maximum rpm:	9500 RPM
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
outer ring width:	40 mm
internal clearance:	C3
fillet radius:	1.5 mm
dynamic load capacity:	63.7 kN
series:	2300
d	50 mm
D	110 mm
B	40 mm
d ₁	66 mm
D ₁	92.5 mm
r _{1,2} min.	2 mm
D _a max.	99 mm
r _a max.	2 mm
Basic dynamic load rating C	63.7 kN



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Basic static load rating C_0	20 kN
Fatigue load limit P_u	1.04 kN
Reference speed	14000 r/min
Limiting speed	9500 r/min
Permissible angular misalignment	3 °
Calculation factor k_f	0.05
Calculation factor e	0.43
Calculation factor Y_0	1.6
Calculation factor Y_1	1.5
Calculation factor Y_2	2.3
Mass bearing	1.55 kg