



# PCIF BEARING LIMITED



2311 k Bearing 2D drawings and 3D CAD models

55 mm x 120 mm x 43 mm skf 2311 k bearing

Bearing No. 2311 k

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2
EAN	7316576608384
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-2311
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	55MM Bore; Tapered Adapter Mount; 120MM Outside Diameter; 43MM Inner Race Width; 43MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	2311 K
Weight / LBS	4.409
D	4.724 Inch   120 Millimeter
Outer Race Width	1.693 Inch   43 Millimeter
Inner Race Width	1.693 Inch   43 Millimeter
d	2.165 Inch   55 Millimeter
bore diameter:	55 mm
static load capacity:	24 kN
outside diameter:	120 mm
precision rating:	Not Rated
overall width:	43 mm
maximum rpm:	7500 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	43 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	76.1 kN
series:	2300
d	55 mm
D	120 mm
B	43 mm
d <sub>1</sub>	72 mm
D <sub>1</sub>	101 mm
r <sub>1,2</sub> min.	2 mm
D <sub>a</sub> max.	109 mm
r <sub>a</sub> max.	2 mm
Basic dynamic load rating C	76.1 kN



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Basic static load rating $C_0$	24 kN
Fatigue load limit $P_u$	1.25 kN
Reference speed	11000 r/min
Limiting speed	7500 r/min
Permissible angular misalignment	3 °
Calculation factor $k_r$	0.05
Calculation factor e	0.4
Calculation factor $Y_0$	1.6
Calculation factor $Y_1$	1.6
Calculation factor $Y_2$	2.4
Mass bearing	2 kg