



Shanghai Sunpace Machinery Co., Ltd.



2316 M Bearing 2D drawings and 3D CAD models

80 mm x 170 mm x 58 mm SKF 2316 M Self Aligning Ball Bearings

Bearing No. 2316 M

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	6.26
EAN	7316576605819
Product Group	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Brass
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	80MM Bore; Shaft Mount; 170MM Outside Diameter; 58MM Inner Race Width; 58MM Outer Race Width; Open; Brass 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
Noun	Bearing



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Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2316 M
Weight / LBS	13.779
Outer Race Width	2.283 Inch 58 Millimeter
d	3.15 Inch 80 Millimeter
D	6.693 Inch 170 Millimeter
Inner Race Width	2.283 Inch 58 Millimeter
bore diameter:	80 mm
precision rating:	Not Rated
outside diameter:	170 mm
maximum rpm:	5300 RPM
overall width:	58 mm
cage material:	Brass
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	58 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	135 kN
series:	2300
static load capacity:	49 kN
d	80 mm
D	170 mm
B	58 mm
d ₁	104.4 mm
D ₁	145.1 mm
r _{1,2} min.	2.1 mm
d _a min.	92 mm
D _a max.	158 mm
r _a max.	2 mm



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Basic dynamic load rating C	135 kN
Basic static load rating C_0	49 kN
Fatigue load limit P_u	2.24 kN
Reference speed	7000 r/min
Limiting speed	5300 r/min
Permissible angular misalignment	3 °
Calculation factor k_r	0.05
Calculation factor e	0.37
Calculation factor Y_0	1.8
Calculation factor Y_1	1.7
Calculation factor Y_2	2.6
Mass bearing	6.27 kg