2319 M Bearing 2D drawings and 3D CAD models

95 mm x 200 mm x 67 mm SKF 2319 M Self Aligning Ball Bearings

Bearing No. 2319 M

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	10.403
EAN	7316576605918
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	95MM Bore; Shaft Mount; 200MM Outside Diameter; 67MM Inner Race Width; 67MM 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

Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2319 M
Weight / LBS	21.605
d	3.74 Inch | 95 Millimeter
D	7.874 Inch | 200 Millimeter
Inner Race Width	2.638 Inch | 67 Millimeter
Outer Race Width	2.638 Inch | 67 Millimeter
bore diameter:	95 mm
maximum rpm:	6000 rpm
outside diameter:	200 mm
bearing material:	Steel
overall width:	67 mm
cage material:	Brass
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
operating temperature range:	-40 to 210 ° F
fillet radius:	3 mm
dynamic load capacity:	165 kN
manufacturer product page:	Click here
static load capacity:	64 kN
manufacturer upc number:	7316576605918
d	95 mm
D	200 mm
B	67 mm
$d_1 \approx$	128 mm
$D_1 \approx$	170.6 mm
$r_{1,2}$ min.	3 mm
d_a min.	109 mm

D_a max.	186 mm
r_a max.	3 mm
Basic dynamic load rating C	165 kN
Basic static load rating C_0	64 kN
Fatigue load limit P_u	2.75 kN
Reference speed	6000 r/min
Limiting speed	4500 r/min
Permissible angular misalignment α	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	9.8 kg