



# BEARING CORP.OF AMERICA



3318 A Bearing 2D drawings and 3D CAD models

90 mm x 190 mm x 73 mm skf 3318 A Double row angular contact ball bearings

Bearing No. 3318 A

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	8.67
EAN	7316570244632
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	90MM Bore; 190MM Outside Diameter; 73MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring;



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	C0-Medium; Steel Cage; 30 Degree; 1 (Single)
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	3318 A
Weight / LBS	19.114
D	7.48 Inch   190 Millimeter
d	3.543 Inch   90 Millimeter
B	2.874 Inch   73 Millimeter
bore diameter:	90 mm
operating temperature range:	257 ° F
outside diameter:	190 mm
cage material:	Steel
overall width:	73 mm
maximum rpm:	3400 rpm
contact angle:	30 °
finish/coating:	Uncoated
bore type:	Round
fillet radius:	3 mm
closure type:	Open
series:	33
bearing material:	Steel
weight:	20.4 lbs
radial dynamic load capacity:	208 kN
manufacturer product page:	<a href="#">Click here</a>
radial static load capacity:	180 kN



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manufacturer upc number:	7316570244632
d	90 mm
D	190 mm
B	73 mm
d <sub>1</sub>	123.85 mm
D <sub>1</sub>	159.83 mm
r <sub>1,2</sub> min.	3 mm
a	112 mm
d <sub>a</sub> min.	104 mm
D <sub>a</sub> max.	176 mm
r <sub>a</sub> max.	2.5 mm
Basic dynamic load rating C	208 kN
Basic static load rating C <sub>0</sub>	180 kN
Fatigue load limit P <sub>u</sub>	6.4 kN
Reference speed	3800 r/min
Limiting speed	3400 r/min
Calculation factor k <sub>r</sub>	0.07
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor Y <sub>0</sub>	0.66
Calculation factor Y <sub>1</sub>	0.78
Calculation factor Y <sub>2</sub>	1.24
Mass bearing	9.25 kg