



GARLOCK BEARINGS LTD



3218 A Bearing 2D drawings and 3D CAD models

90 mm x 160 mm x 52.4 mm SKF 3218 A
Angular Contact Ball Bearings

Bearing No. 3218 A

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	3.819
EAN	7316570772555
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 3 ISO P6
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; 160MM Outside Diameter; 52.4MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring



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Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	5218 A
Weight / LBS	8.17
d	3.543 Inch 90 Millimeter
B	2.063 Inch 52.4 Millimeter
D	6.299 Inch 160 Millimeter
bore diameter:	90 mm
maximum temperature:	257 ° F
outside diameter:	160 mm
cage material:	Steel
overall width:	2.0625 in
maximum rpm:	3600 rpm
contact angle:	30 °
finish/coating:	Uncoated
row type & fill slot:	Double-Row Non-Fill Slot
fillet radius:	2 mm
bore type:	Round
series:	3200
closure type:	Open
weight:	9.15 lbs
bearing material:	Steel
manufacturer product page:	Click here
radial dynamic load capacity:	130 kN
manufacturer upc number:	7316570772555
radial static load capacity:	120 kN
d	90 mm



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D	160 mm
B	52.4 mm
d ₁	111.53 mm
D ₁	136.76 mm
r _{1,2} min.	2 mm
a	94 mm
d _a min.	101 mm
D _a max.	149 mm
r _a max.	2 mm
Basic dynamic load rating C	130 kN
Basic static load rating C ₀	120 kN
Fatigue load limit P _u	4.55 kN
Reference speed	4300 r/min
Limiting speed	3600 r/min
Calculation factor k _r	0.06
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor Y ₀	0.66
Calculation factor Y ₁	0.78
Calculation factor Y ₂	1.24
Mass bearing	4.15 kg