



# GARLOCK BEARINGS LTD



3205 A-2ZTN9/MT33 Bearing 2D drawings and 3D CAD models

## 25 mm x 52 mm x 20.6 mm SKF 3205 A-2ZTN9/MT33 Angular Contact Ball Bearings

Bearing No. 3205 A-2ZTN9/MT33

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.175
Product Group	B00152
Enclosure	2 Metal Shields
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	Polyamide
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	25MM Bore; 52MM Outside Diameter; 20.6MM Width; 2 Metal Shields; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide



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	Cage; 30 Degree
Other Features	Glass Fibre Reinforced Cage   MT33-Lithium Soap Thickener Grease
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	3205 A-2ZTN9/MT33
Weight / LBS	0.4409
D	2.047 Inch   52 Millimeter
d	0.984 Inch   25 Millimeter
B	0.811 Inch   20.6 Millimeter
bore diameter:	25 mm
radial static load capacity:	14.3 kN
outside diameter:	52 mm
cage material:	Fiberglass Reinforced Nylon
overall width:	0.8125 in
outer ring width:	20.6 mm
contact angle:	30 °
maximum rpm:	12000 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Double Shield
fillet radius:	1 mm
radial dynamic load capacity:	21.6 kN
series:	32



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d	25 mm
D	52 mm
B	20.6 mm
d <sub>2</sub>	32.7 mm
D <sub>2</sub>	45.9 mm
r <sub>1,2</sub> min.	1 mm
a	30 mm
d <sub>a</sub> min.	30.6 mm
d <sub>a</sub> max.	32.5 mm
D <sub>a</sub> max.	46.4 mm
r <sub>a</sub> max.	1 mm
Basic dynamic load rating C	21.6 kN
Basic static load rating C <sub>0</sub>	14.3 kN
Fatigue load limit P <sub>u</sub>	0.6 kN
Reference speed	14000 r/min
Limiting speed	12000 r/min
Calculation factor k <sub>r</sub>	0.06
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	0.18 kg