



## NTN Bearing de Mexico, S.A.



3303 A-2RS1TN9/MT33 Bearing 2D drawings and 3D CAD models

17 mm x 47 mm x 22.2 mm SKF 3303  
A-2RS1TN9/MT33 Angular Contact Ball Bearings

Bearing No. 3303 A-2RS1TN9/MT33

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.18
EAN	7316570037845
Product Group	B00152
Enclosure	2 Seals
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	Polymer
Contact Angle	32 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	17MM Bore; 47MM Outside Diameter; 22.2MM Width; 2 Seals; 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	3303 A-2RS1TN9/MT33
Weight / LBS	0.397
d	0.669 Inch   17 Millimeter
D	1.85 Inch   47 Millimeter
B	0.874 Inch   22.2 Millimeter
bore diameter:	17 mm
operating temperature range:	-40 to +210 ° F
outside diameter:	47 mm
cage material:	Fiberglass Reinforced Nylon
overall width:	0.8750 in
outer ring width:	22.2 mm
contact angle:	30 °
maximum rpm:	11000 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Double Seal
fillet radius:	1 mm
radial dynamic load capacity:	21.6 kN
series:	33
radial static load capacity:	12.7 kN
d	17 mm
D	47 mm



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B	22.2 mm
$d_2$	25.7 mm
$D_2$	40.15 mm
$r_{1,2}$ min.	1 mm
a	28 mm
$d_a$ min.	22.6 mm
$d_a$ max.	25.5 mm
$D_a$ max.	41.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	21.6 kN
Basic static load rating $C_0$	12.7 kN
Fatigue load limit $P_u$	0.54 kN
Limiting speed	11000 r/min
Calculation factor $k_r$	0.07
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	0.18 kg