



# WJE Bearing Manufacturing Co., Ltd.



3302 ATN9 Bearing 2D drawings and 3D CAD models

## 15 mm x 42 mm x 19 mm SKF 3302 ATN9 Angular Contact Ball Bearings

Bearing No. 3302 ATN9

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.131
EAN	7316577042484
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	Polymer
Contact Angle	32 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	15MM Bore; 42MM Outside Diameter; 19MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	3302 ATN9
Weight / LBS	0.276
d	0.591 Inch   15 Millimeter
B	0.748 Inch   19 Millimeter
D	1.654 Inch   42 Millimeter
bore diameter:	15 mm
static load capacity:	9.3 kN
outside diameter:	42 mm
precision rating:	Not Rated
overall width:	19 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	19 mm
row type & fill slot:	Double Row Non-Fill Slot
fillet radius:	1 mm
internal clearance:	C0
maximum rpm:	16000 RPM
dynamic load capacity:	15.1 kN
series:	33
d	15 mm
D	42 mm
B	19 mm
d <sub>2</sub>	23.7 mm
D <sub>2</sub>	35.65 mm



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$r_{1,2}$ min.	1 mm
a	24 mm
$d_a$ min.	20.6 mm
$D_a$ max.	36.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	15.1 kN
Basic static load rating $C_0$	9.3 kN
Fatigue load limit $P_u$	0.4 kN
Reference speed	18000 r/min
Limiting speed	16000 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	0.13 kg