



3202 ATN9 Bearing 2D drawings and 3D CAD models

## 15 mm x 35 mm x 15.9 mm SKF 3202 ATN9 Angular contact ball bearing

Bearing No. 3202 ATN9

Size	35x15x15.9 mm
Bore Diameter	35 mm
Outer Diameter	15 mm
Width	15,9 mm
d	15 mm
D	35 mm
B	15.9 mm
d <sub>2</sub>	20.2 mm
D <sub>2</sub>	30.7 mm
r <sub>1,2</sub> - min.	0.6 mm
a	21 mm
d <sub>a</sub> - min.	19.4 mm
D <sub>a</sub> - max.	30.6 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	11.2 kN
Basic static load rating - C <sub>0</sub>	6.8 kN
Fatigue load limit - P <sub>u</sub>	0.285 kN
Reference speed	17000 r/min
Limiting speed	18000 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



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Calculation factor - Y <sub>2</sub>	1.24
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.073
EAN	7316577039644
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	24 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	15MM Bore; 35MM Outside Diameter; 15.9MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact

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Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	5202 ATN9
Weight / LBS	0.14
Width	0.626 Inch   15.9 Millimeter
Bore	0.591 Inch   15 Millimeter
Outside Diameter	1.378 Inch   35 Millimeter
bore diameter:	15 mm
radial static load capacity:	6.8 kN
outside diameter:	35 mm
cage material:	Polyamide
overall width:	0.6250 in
outer ring width:	15.9 mm
contact angle:	30 °
maximum rpm:	18000 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	0.6 mm
radial dynamic load capacity:	11.2 kN
series:	32
$d_2$	20.2 mm
$D_2$	30.7 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	19.4 mm
$D_a$ max.	30.6 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	11.2 kN
Basic static load rating $C_0$	6.8 kN
Fatigue load limit $P_u$	0.285 kN

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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	0.066 kg