



3200 atn9 Bearing 2D drawings and 3D CAD models

10 mm x 30 mm x 14 mm skf 3200 atn9 bearing

Bearing No. 3200 atn9

Size	30x10x14 mm
Bore Diameter	30 mm
Outer Diameter	10 mm
Width	14 mm
d	10 mm
D	30 mm
B	14 mm
d <sub>2</sub>	15.8 mm
D <sub>2</sub>	24.95 mm
r <sub>1,2</sub> - min.	0.6 mm
a	16 mm
d <sub>a</sub> - min.	14.4 mm
D <sub>a</sub> - max.	25.6 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	7.6 kN
Basic static load rating - C <sub>0</sub>	4.3 kN
Fatigue load limit - P <sub>u</sub>	0.183 kN
Reference speed	22000 r/min
Limiting speed	24000 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



## PRECISION BEARING CORP.

Calculation factor - Y <sub>2</sub>	1.24
Category	Angular Contact Ball Bearings
Inventory	4.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.056
EAN	7316577086334
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	10MM Bore; 30MM Outside Diameter; 14.3MM 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



## PRECISION BEARING CORP.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	5200 ATN9
Weight / LBS	0.109
Width	0.563 Inch   14.3 Millimeter
Outside Diameter	1.181 Inch   30 Millimeter
Bore	0.394 Inch   10 Millimeter
bore diameter:	10 mm
radial static load capacity:	4.3 kN
outside diameter:	30 mm
cage material:	Polyamide
overall width:	14 mm
outer ring width:	14 mm
contact angle:	30 °
maximum rpm:	24000 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:	7.61 kN
series:	32
$d_2$	15.8 mm
$D_2$	24.95 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	14.4 mm
$D_a$ max.	25.6 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	7.61 kN
Basic static load rating $C_0$	4.3 kN
Fatigue load limit $P_u$	0.183 kN
Calculation factor $k_r$	0.06



## PRECISION BEARING CORP.

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	0.051 kg