



3308 A-2Z Bearing 2D drawings and 3D CAD models

**SKF 3308 A-2Z angular contact ball bearings**

Bearing No. 3308 A-2Z

Size	90x40x36.5 mm
Bore Diameter	90 mm
Outer Diameter	40 mm
Width	36,5 mm
d	40 mm
D	90 mm
B	36.5 mm
d <sub>2</sub>	50.8 mm
D <sub>2</sub>	80.5 mm
r <sub>1,2</sub> - min.	1.5 mm
a	53 mm
d <sub>a</sub> - min.	49 mm
d <sub>a</sub> - max.	50.5 mm
D <sub>a</sub> - max.	81 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	64 kN
Basic static load rating - C <sub>0</sub>	44 kN
Fatigue load limit - P <sub>u</sub>	1.9 kN
Reference speed	7500 r/min
Limiting speed	7500 r/min
Calculation factor - k <sub>r</sub>	0.07
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 - $Y_2$	1.24
Category	Angular Contact Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.01
EAN	7316573932161
Product Group	B00152
Enclosure	2 Metal Shields
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	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	40MM Bore; 90MM Outside Diameter; 36.5MM Width; 2 Metal Shields; 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	5308 A-2Z
Weight / LBS	2.096
Bore	1.575 Inch   40 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
Width	1.437 Inch   36.5 Millimeter
bore diameter:	40 mm
radial static load capacity:	44 kN
outside diameter:	90 mm
operating temperature range:	257 ° F
overall width:	1.4375 in
cage material:	Steel
contact angle:	30 °
maximum rpm:	7500 rpm
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
bore type:	Round
fillet radius:	1.5 mm
closure type:	Double Shielded
weight:	2.05 lbs
bearing material:	Steel
manufacturer product page:	<a href="#">Click here</a>
radial dynamic load capacity:	64 kN
manufacturer upc number:	7316573932161
$d_2$	50.8 mm
$D_2$	80.5 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	49 mm
$d_a$ max.	50.5 mm
$D_a$ max.	81 mm
$r_a$ max.	1.5 mm



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Basic dynamic load rating C	64 kN
Basic static load rating $C_0$	44 kN
Fatigue load limit $P_u$	1.86 kN
Calculation factor $k_f$	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	0.93 kg