



**Bearing No. 7308 BE-2RZP**

B	23 mm
a	39 mm
d	40 mm
D	90 mm
Bore	1.575 Inch   40 Millimeter
Noun	Bearing
Width	0.906 Inch   23 Millimeter
UNSPSC	31171531
weight:	1.37 lbs
series:	7300
Category	Angular Contact Ball Bearing
Size (mm)	90x40x23
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
bore type:	Round
Width (mm)	23
maximum rpm:	7500 rpm
Weight / LBS	1.411
Flush Ground	No
Mass bearing	0.62 kg
Product Group	B00308
closure type:	Double Sealed
d <sub>1</sub>	59.7 mm
d <sub>2</sub>	49.55 mm
D <sub>2</sub>	73.9 mm
D <sub>5</sub>	83 mm

Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polyamide
Bearing number	7308 BE-2RZP
fillet radius:	1.5 mm
contact angle:	40 °
overall width:	23 mm
cage material:	Steel
Keyword String	Angular Contact
bore diameter:	40 mm
Limiting speed	9000 r/min
Reference speed	9000 r/min
Rolling Element	Ball Bearing
Standard grease	GXN
Precision Class	ABEC 1   ISO P0
finish/coating:	Uncoated
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	40MM Bore; 90MM Outside Diameter; 23MM Width; 2 Seals; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Sing
Outside Diameter	3.543 Inch   90 Millimeter
outside diameter:	90 mm
bearing material:	Steel
Weight / Kilogram	0.621
Manufacturer Name	SKF
Number of Bearings	1 (Single)
r <sub>a</sub> max.	1.5 mm

d <sub>a</sub> max.	59 mm
D <sub>a</sub> max.	81 mm
D <sub>b</sub> max.	84.4 mm
d <sub>a</sub> min.	49 mm
Bore Diameter (mm)	90
r <sub>b</sub> max.	1 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	40
D <sub>b</sub> - max.	84.4 mm
D <sub>a</sub> - max.	81 mm
Minimum Buy Quantity	N/A
Calculation factor X	0.57
r <sub>a</sub> - max.	1.5 mm
r <sub>3,4</sub> min.	1 mm
d <sub>a</sub> - max.	59 mm
maximum temperature:	257 °F
r <sub>b</sub> - max.	1 mm
d <sub>a</sub> - min.	49 mm
Calculation factor e	1.14
Calculation factor A	0.0173
r <sub>1,2</sub> min.	1.5 mm
D <sub>2</sub> ?	73.9 mm
d <sub>2</sub> ?	49.55 mm
d <sub>1</sub> ?	59.7 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
r <sub>3,4</sub> - min.	1 mm
r <sub>1,2</sub> - min.	1.5 mm
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
Manufacturer Item Number	7308 BE-2RZP

manufacturer upc number:	7316575924478
manufacturer product page:	<a href="#">Click here</a>
Basic dynamic load rating C	46.2 kN
radial static load capacity:	30.5 kN
Basic dynamic load rating - C	46.2 kN
radial dynamic load capacity:	46.2 kN
Maximum Capacity / Filling Slot	No
Calculation factor $k_r$	0.1
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Calculation factor $Y_0$	0.52
Fatigue load limit $P_u$	1.29 kN
Calculation factor - $k_r$	0.1
Fatigue load limit - $P_u$	1.3 kN
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_2$	0.57
Calculation factor - $k_a$	1.6
Calculation factor - $Y_1$	
Basic static load rating $C_0$	30.5 kN
Basic static load rating - $C_0$	30.5 kN