



**Bearing No. 7306 BE-2RZP**

D	72 mm
d	30 mm
B	19 mm
a	31 mm
Noun	Bearing
Bore	1.181 Inch   30 Millimeter
Width	0.748 Inch   19 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	2 Seals
Size (mm)	72x30x19
Snap Ring	No
Width (mm)	19
Flush Ground	No
Mass bearing	0.35 kg
Weight / LBS	0.77162
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polyamide
D <sub>5</sub>	66.45 mm
D <sub>2</sub>	58.75 mm
d <sub>2</sub>	37.9 mm
d <sub>1</sub>	46.5 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7306 BE-2RZP

Limiting speed	12000 r/min
Reference speed	12000 r/min
Precision Class	ABEC 1   ISO P0
Standard grease	GXN
Rolling Element	Ball Bearing
Long Description	30MM Bore; 72MM Outside Diameter; 19MM 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
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	2.835 Inch   72 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.343
d <sub>a</sub> max.	46 mm
r <sub>b</sub> max.	0.6 mm
r <sub>a</sub> max.	1 mm
Bore Diameter (mm)	72
D <sub>b</sub> max.	67.8 mm
D <sub>a</sub> max.	65 mm
d <sub>a</sub> min.	37 mm
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Outer Diameter (mm)	30
r <sub>1,2</sub> min.	1.1 mm
d <sub>a</sub> - min.	37 mm
d <sub>a</sub> - max.	46 mm
D <sub>b</sub> - max.	67.8 mm
D <sub>a</sub> - max.	65 mm

$r_a$ - max.	1 mm
$r_b$ - max.	0.6 mm
Minimum Buy Quantity	N/A
Calculation factor A	0.0074
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	0.6 mm
$d_1$ ?	46.5 mm
$d_2$ ?	37.9 mm
$D_2$ ?	58.75 mm
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	0.6 mm
Calculation factor - e	1.14
$r_{1,2}$ - min.	1.1 mm
Calculation factor - X	0.35
Number of Rows of Balls	Single Row
Manufacturer Item Number	7306 BE-2RZP
Basic dynamic load rating C	32.5 kN
Basic dynamic load rating - C	32.5 kN
Maximum Capacity / Filling Slot	No
Calculation factor $Y_0$	0.52
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Fatigue load limit $P_u$	0.815 kN
Calculation factor $k_r$	0.1
Calculation factor - $Y_0$	0.26
Calculation factor - $k_r$	0.1
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57

Fatigue load limit - $P_u$	0.815 kN
Calculation factor - $k_a$	1.6
Basic static load rating $C_0$	19.3 kN
Basic static load rating - $C_0$	19.3 kN