



Bearing No. 6307-2Z

D	80 mm
d	35 mm
B	21 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	2.0
Enclosure	2 Metal Shields
Size (mm)	80x35x21
Snap Ring	No
Width (mm)	21
Mass bearing	0.47 kg
Weight / LBS	1.04
Inch - Metric	Metric
Cage Material	Steel
D ₂	69.2 mm
d ₁	49.56 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6307-2Z
Limiting speed	9500 r/min
Reference speed	19000 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outer Race Width	0.827 Inch 21 Millimeter
Long Description	35MM Bore; 80MM Outside Diameter;

	21MM Outer Race Diameter; 2 Metal Shields; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	3.15 Inch 80 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.47
d_a max.	49.5 mm
Internal Clearance	C0-Medium
d_a min.	44 mm
D_a max.	71 mm
Bore Diameter (mm)	80
r_a max.	1.5 mm
Outer Diameter (mm)	35
$r_{1,2}$ min.	1.5 mm
D_a - max.	71 mm
d_a - min.	44 mm
d_a - max.	49.5 mm
r_a - max.	1.5 mm
Minimum Buy Quantity	N/A
d_1 ?	49.56 mm
D_2 ?	69.2 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.5 mm
Manufacturer Item Number	6307-2Z
Internal Special Features	No
Basic dynamic load rating C	35.1 kN
Basic dynamic load rating - C	35.1 kN

Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	0.815 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.1
Calculation factor - k_r	0.03
Fatigue load limit - P_u	0.815 kN
Calculation factor - f_0	13.1
Basic static load rating C_0	19 kN
Basic static load rating - C_0	19 kN