



Bearing No. 6307-Z

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	0.0
Enclosure	1 Metal Shield
Size (mm)	80x35x21
Snap Ring	No
Width (mm)	21
Mass bearing	0.46 kg
Weight / LBS	1.02
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-Z
Limiting speed	12000 r/min
Reference speed	19000 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	3.15 Inch 80 Millimeter
Long Description	35MM Bore; 80MM Outside Diameter; 21MM Outer Race

	Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outer Race Width	0.827 Inch 21 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.464
d _a max.	49.5 mm
Internal Clearance	C0-Medium
d _a min.	44 mm
Bore Diameter (mm)	80
D _a max.	71 mm
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-Z
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	0.82 kN
Calculation factor - f_0	13
Basic static load rating C_0	19 kN
Basic static load rating - C_0	19 kN