



Bearing No. 6311-Z

D	120 mm
d	55 mm
B	29 mm
Bore	2.165 Inch 55 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	1 Metal Shield
Size (mm)	120x55x29
Snap Ring	No
Width (mm)	29
Mass bearing	1.39 kg
Weight / LBS	3.1
Inch - Metric	Metric
Cage Material	Steel
D ₂	103.7 mm
d ₁	75.34 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6311-Z
Limiting speed	8000 r/min
Reference speed	12000 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outer Race Width	1.142 Inch 29 Millimeter
Long Description	55MM Bore; 120MM Outside Diameter;

	29MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	4.724 Inch 120 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	1.41
d_a max.	75.2 mm
Internal Clearance	C0-Medium
d_a min.	66 mm
D_a max.	109 mm
Bore Diameter (mm)	120
r_a max.	2 mm
Outer Diameter (mm)	55
$r_{1,2}$ min.	2 mm
D_a - max.	109 mm
d_a - min.	66 mm
d_a - max.	75.2 mm
r_a - max.	2 mm
Minimum Buy Quantity	N/A
d_1 ?	75.34 mm
D_2 ?	103.7 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	2 mm
Manufacturer Item Number	6311-Z
Internal Special Features	No
Basic dynamic load rating C	74.1 kN
Basic dynamic load rating - C	74.1 kN

Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.9 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.1
Calculation factor - k_r	0.03
Fatigue load limit - P_u	1.9 kN
Calculation factor - f_0	13.1
Basic static load rating C_0	45 kN
Basic static load rating - C_0	45 kN