



Bearing No. 6309-Z

D	100 mm
d	45 mm
B	25 mm
Bore	1.772 Inch 45 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	1 Metal Shield
Size (mm)	100x45x25
Snap Ring	No
Width (mm)	25
Mass bearing	0.85 kg
Weight / LBS	1.87
Inch - Metric	Metric
Cage Material	Steel
D ₂	86.7 mm
d ₁	62.18 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6309-Z
Limiting speed	9500 r/min
Reference speed	15000 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	3.937 Inch 100 Millimeter
Long Description	45MM Bore; 100MM Outside Diameter;

	25MM 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	0.984 Inch 25 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.847
d_a max.	62.1 mm
Internal Clearance	C0-Medium
d_a min.	54 mm
Bore Diameter (mm)	100
D_a max.	91 mm
r_a max.	1.5 mm
Outer Diameter (mm)	45
$r_{1,2}$ min.	1.5 mm
D_a - max.	91 mm
d_a - min.	54 mm
d_a - max.	62.1 mm
r_a - max.	1.5 mm
Minimum Buy Quantity	N/A
d_1 ?	62.18 mm
D_2 ?	86.7 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.5 mm
Manufacturer Item Number	6309-Z
Internal Special Features	No
Basic dynamic load rating C	55.3 kN
Basic dynamic load rating - C	55.3 kN

Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.34 kN
Calculation factor k_r	0.03
Calculation factor f_0	13
Calculation factor - k_r	0.03
Fatigue load limit - P_u	1.3 kN
Calculation factor - f_0	13
Basic static load rating C_0	31.5 kN
Basic static load rating - C_0	31.5 kN