



Bearing No. 6309

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	3.0
Enclosure	Open
Size (mm)	100x45x25
Snap Ring	No
Width (mm)	25
Mass bearing	0.83 kg
Weight / LBS	1.83
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
Limiting speed	9500 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	15000 r/min
Manufacturer URL	http://www.skf.com
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Diameter; Open; Ball

	Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	3.937 Inch 100 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
Weight / Kilogram	0.83
Manufacturer Name	SKF
D _a max.	91 mm
r _a max.	1.5 mm
Bore Diameter (mm)	100
Internal Clearance	C0-Medium
d _a min.	54 mm
Outer Diameter (mm)	45
r _{1,2} min.	1.5 mm
r _a - max.	1.5 mm
d _a - min.	54 mm
D _a - max.	91 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
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