



**Bearing No. 6209-Z**

D	85 mm
d	45 mm
B	19 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)	85x45x19
Snap Ring	No
Width (mm)	19
Mass bearing	0.42 kg
Weight / LBS	0.94
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	75.19 mm
d <sub>1</sub>	57.6 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6209-Z
Limiting speed	11000 r/min
Reference speed	17000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	0.748 Inch   19 Millimeter
Long Description	45MM Bore; 85MM Outside Diameter;

	19MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	3.346 Inch   85 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.425
d <sub>a</sub> max.	57.5 mm
Internal Clearance	C0-Medium
d <sub>a</sub> min.	52 mm
D <sub>a</sub> max.	78 mm
Bore Diameter (mm)	85
r <sub>a</sub> max.	1 mm
Outer Diameter (mm)	45
r <sub>1,2</sub> min.	1.1 mm
D <sub>a</sub> - max.	78 mm
d <sub>a</sub> - min.	52 mm
d <sub>a</sub> - max.	57.5 mm
r <sub>a</sub> - max.	1 mm
Minimum Buy Quantity	N/A
d <sub>1</sub> ?	57.6 mm
D <sub>2</sub> ?	75.19 mm
Harmonized Tariff Code	8482.10.50.68
r <sub>1,2</sub> - min.	1.1 mm
Manufacturer Item Number	6209-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 $P_u$	0.915 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.2
Calculation factor - $k_r$	0.025
Fatigue load limit - $P_u$	0.915 kN
Calculation factor - $f_0$	14.2
Basic static load rating $C_0$	21.6 kN
Basic static load rating - $C_0$	21.6 kN