



**Bearing No. 6209-2RS1**

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	2 Seals
Size (mm)	85x45x19
Snap Ring	No
Width (mm)	19
Mass bearing	0.42 kg
Weight / LBS	0.95
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	75.19 mm
d <sub>1</sub>	57.6 mm
Product Group	B00308
Enclosure Type	Contact Seal
Keyword String	Ball
Bearing number	6209-2RS1
Limiting speed	5000 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
Outside Diameter	3.346 Inch   85 Millimeter
Outer Race Width	0.748 Inch   19 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>

Long Description	45MM Bore; 85MM Outside Diameter; 19MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	0.434
Manufacturer Name	SKF
Internal Clearance	C0-Medium
Bore Diameter (mm)	85
d <sub>a</sub> min.	52 mm
d <sub>a</sub> max.	57.5 mm
D <sub>a</sub> max.	78 mm
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> - max.	57.5 mm
d <sub>a</sub> - min.	52 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1 mm
D <sub>2</sub> ?	75.19 mm
d <sub>1</sub> ?	57.6 mm
r <sub>1,2</sub> - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6209-2RS1
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
Fatigue load limit - $P_u$	0.915 kN
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	14.2
Basic static load rating $C_0$	21.6 kN
Basic static load rating - $C_0$	21.6 kN