



NTN BEARING USA CORP.



Deep Groove Ball Bearing 6309 6310 6209 6010
6000 6005 Zz 2RS C3 NSK NTN NACHI Koyo
SKF Timken

Bearing No. 6309

6309 Bearing 2D drawings and 3D CAD models

Size	45x100x25 mm
Bore Diameter	45 mm
Outer Diameter	100 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1.5 mm
da min.	54 mm
Da max.	91 mm
ra max.	1.5 mm
Weight	0.833 Kg
Basic dynamic load rating (C)	53 kN
Basic static load rating (C0)	32 kN
(Grease) Lubrication Speed	6700 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NACHI
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0



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Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.nachiamerica.com
Inner Race Width	0 Inch 0 Millimeter
Bore	1.772 Inch 45 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
Bore Type	Cylindrical Bore
Configuration	Single Row
Bore Size	45 mm
Width	25 mm
Fillet Radius/Chamfer	1.5 mm
Dynamic Load Rating	53,000 N



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Static Load Rating	32,000 N
Limiting Speed - Grease	7,000 rpm
Limiting Speed - Oil	8,200 rpm
Factor f_0	13.1
Radial Clearance	0.006 to 0.023 mm
da (min)	54 mm
Da (max)	91 mm
ra (max)	1.5 mm