



**Bearing No. 6816**

D	100 mm
d	80 mm
B	10 mm
C	10 mm
Noun	Bearing
Bore	3.15 Inch   80 Millimeter
Width	10 mm
Weight	0.155 Kg
UNSPSC	31171504
r min.	0.6 mm
da min.	84 mm
Da max.	96 mm
ra max.	0.6 mm
Category	Single Row Ball Bearing
ra (max)	0.6 mm
da (min)	84 mm
Da (max)	96 mm
Factor fo	15.9
Bore Size	80 mm
Snap Ring	No
Inventory	0.0
Bore Type	Cylindrical Bore
Enclosure	Open
Size (mm)	80x100x10
Width (mm)	10
Configuration	Single Row
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
Bearing number	6816

Other Features	Deep Groove
Keyword String	Ball
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Outside Diameter	3.937 Inch   100 Millimeter
Radial Clearance	0.010 to 0.030 mm
Long Description	80MM Bore; 100MM Outside Diameter; 10MM 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
Manufacturer URL	<a href="http://www.nachiamerica.com">http://www.nachiamerica.com</a>
Outer Race Width	0.394 Inch   10 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Manufacturer Name	NACHI
Weight / Kilogram	0
Internal Clearance	C0-Medium
Static Load Rating	13,300 N
Bore Diameter (mm)	80
Dynamic Load Rating	12,700 N
Outer Diameter (mm)	100
Minimum Buy Quantity	N/A
Limiting Speed - Oil	7,100 rpm
Fillet Radius/Chamfer	0.6 mm
Harmonized Tariff Code	8482.10.50.68
Limiting Speed - Grease	6,000 rpm
Manufacturer Item Number	6816BNLS

Internal Special Features	No
(Grease) Lubrication Speed	6000 r/min
Basic static load rating (C0)	13,3 kN
Basic dynamic load rating (C)	12,7 kN
Maximum Capacity / Filling Slot	No