



Bearing No. 6209NR

f	1,7 mm
d	45 mm
D	85 mm
B	19 mm
C	19 mm
a	3,28 mm
b	1,9 mm
D1	81,81 mm
D2	91,6 mm
Cy	4,6 mm
f0	14.1
Cz	1,7 mm
rn	0,5 mm
Dx	93 mm
Bore	1.772 Inch 45 Millimeter
Noun	Bearing
Mass	0.4 kg
b max	2.2 mm
b min	1.9 mm
a min	3.07 mm
a max	3.28 mm
UNSPSC	31171504
D4 max	91.6 mm
Db min	93 mm
da min	51.5 mm
D3 max	81.81 mm
Da max	78.5 mm
rs min	1.1 mm
Ca max	4.98 mm

Ca min	4.67 mm
r0 max	0.6 mm
ra max	1 mm
da max	55,5 mm
r min.	1,1 mm
Weight	0,398 Kg
series:	62
r0 max.	0,6 mm
da min.	51,5 mm
rNa max	0.5 mm
Da max.	78,5 mm
ra max.	1 mm
rNs min	0.5 mm
Category	Single Row Ball Bearing
Inventory	0.0
Size (mm)	45x85x19
Enclosure	Open
Snap Ring	Yes
Nlim (oil)	9,200 rpm
bore type:	Round
Width (mm)	19
Weight / LBS	0.881
maximum rpm:	9200 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Open
Nlim (grease)	7,800 rpm
Keyword String	Ball
Bearing number	6209NR
bore diameter:	45 mm
fillet radius:	1.1 mm

cage material:	Steel
overall width:	19 mm
finish/coating:	Uncoated
Dynamic load, C	32.5 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Static load, C0	20.4 kN
Manufacturer URL	http://www.snrbearings.com
Outside Diameter	3.346 Inch 85 Millimeter
Outer Race Width	0.748 Inch 19 Millimeter
Long Description	45MM Bore; 85MM Outside Diameter; 19MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
bearing material:	High Carbon Chrome Steel
inner ring width:	19 mm
outer ring width:	19 mm
outside diameter:	85 mm
precision rating:	ISO Class 0
Weight / Kilogram	0.4
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	45
maximum rpm (oil):	9200 rpm
internal clearance:	CN
Snap ring reference	R85
snap ring included:	With Snap Ring
Outer Diameter (mm)	85

Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	7800 rpm
static load capacity:	20400 N
dynamic load capacity:	32500 N
Fatigue limit load, Cu	0.93 kN
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	9 200 r/min
Manufacturer Item Number	6209.NR
Internal Special Features	No
(Grease) Lubrication Speed	7 800 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	20,4 kN
Basic dynamic load rating (C)	32,5 kN
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	3.62 Hz
Characteristic inner ring frequency, BPF1	5.38 Hz
Characteristic rolling	4.92 Hz

element frequency, BSF	
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