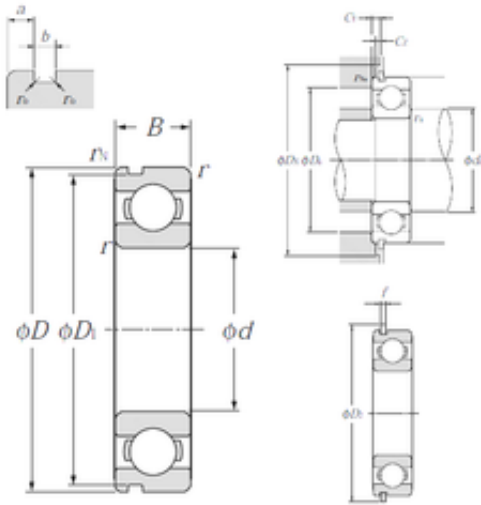




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45 mm x 100 mm x 25 mm NTN 6309NR deep groove ball bearings

Bearing No. 6309NR

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
rn	0,5 mm
a	3,28 mm
b	2,7 mm
f	2,46 mm
r min.	1,5 mm
r0 max.	0,6 mm
D1	96,8 mm
D2	106,5 mm
da min.	53 mm
da max	61,5 mm
Da max.	92 mm
ra max.	1,5 mm
Dx	108 mm
Cy	5,4 mm
Cz	2,5 mm
rn	0,5 mm
Weight	0,814 Kg

6309NR Bearing 2D drawings and 3D CAD models



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Basic dynamic load rating (C)	53 kN
Basic static load rating (C0)	32 kN
(Grease) Lubrication Speed	7 000 r/min
(Oil) Lubrication Speed	8 200 r/min
a min	3.07 mm
a max	3.28 mm
Ca min	5.43 mm
Ca max	5.74 mm
rs min	1.5 mm
rNs min	0.5 mm
D3 max	96.8 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	106.5 mm
Snap ring reference	R100
Radial clearance class	CN
Mass	0.81 kg
Dynamic load, C	53 kN
Static load, C0	32 kN
Fatigue limit load, Cu	1.45 kN
f0	13.1
Nlim (oil)	8,200 rpm
Nlim (grease)	7,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4 Hz
Characteristic outer ring	3.06 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.94 Hz
da min	53 mm
Da max	92 mm
ra max	1.5 mm
rNa max	0.5 mm
Db min	108 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.85
EAN	4547359393194
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68



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Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.snrbearings.com
Manufacturer Item Number	6309.NR
Weight / LBS	1.877
Outside Diameter	3.937 Inch 100 Millimeter
Bore	1.772 Inch 45 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
bore diameter:	45 mm
precision rating:	ISO Class 0
outside diameter:	100 mm
finish/coating:	Uncoated
overall width:	25 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	25 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	25 mm
snap ring included:	With Snap Ring
maximum rpm (grease):	7000 rpm
internal clearance:	CN
maximum rpm (oil):	8200 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.5 mm
dynamic load capacity:	53000 N
manufacturer product page:	Click here
static load capacity:	32000 N