



Wuxi NSB Transmission Technology Co.,...



45 mm x 75 mm x 16 mm NTN 6009NR deep groove ball bearings

Bearing No. 6009NR

6009NR Bearing 2D drawings and 3D CAD models

Size	45x75x16 mm
Bore Diameter	45 mm
Outer Diameter	75 mm
Width	16 mm
d	45 mm
D	75 mm
B	16 mm
C	16 mm
rn	0,5 mm
a	2,49 mm
b	1,9 mm
f	1,7 mm
r min.	1 mm
r0 max.	0,6 mm
D1	71,83 mm
D2	81,6 mm
da min.	50 mm
da max	52,5 mm
Da max.	70 mm
ra max.	1 mm
Dx	83 mm
Cy	3,8 mm
Cz	1,7 mm
rn	0,5 mm
Weight	0,237 Kg



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Basic dynamic load rating (C)	21 kN
Basic static load rating (C0)	15,1 kN
(Grease) Lubrication Speed	9 200 r/min
(Oil) Lubrication Speed	11 000 r/min
a min	2.29 mm
a max	2.49 mm
Ca min	3.89 mm
Ca max	4.19 mm
rs min	1 mm
rNs min	0.5 mm
D3 max	71.83 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	81.6 mm
Snap ring reference	R75
Radial clearance class	CN
Mass	0.24 kg
Dynamic load, C	21 kN
Static load, C0	15.1 kN
Fatigue limit load, Cu	0.69 kN
f0	15.3
Nlim (oil)	11,000 rpm
Nlim (grease)	9,200 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.73 Hz
Characteristic outer ring	5.55 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	7.45 Hz
da min	50 mm
Da max	70 mm
ra max	1 mm
rNa max	0.5 mm
Db min	83 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.24
EAN	4547359330960
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; 75MM Outside Diameter; 16MM 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	6009.NR
Weight / LBS	0.537
Outer Race Width	0.63 Inch 16 Millimeter
Bore	1.772 Inch 45 Millimeter
Outside Diameter	2.953 Inch 75 Millimeter
bore diameter:	45 mm
finish/coating:	Uncoated
outside diameter:	75 mm
bearing material:	High Carbon Chrome Steel
overall width:	16 mm
cage material:	Steel
bore type:	Round
inner ring width:	16 mm
closure type:	Open
outer ring width:	16 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	9200 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	11000 rpm
internal clearance:	CN
fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	11000 RPM
dynamic load capacity:	21000 N
series:	60
static load capacity:	11500 N
manufacturer product page:	Click here
precision rating:	ISO Class 0



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