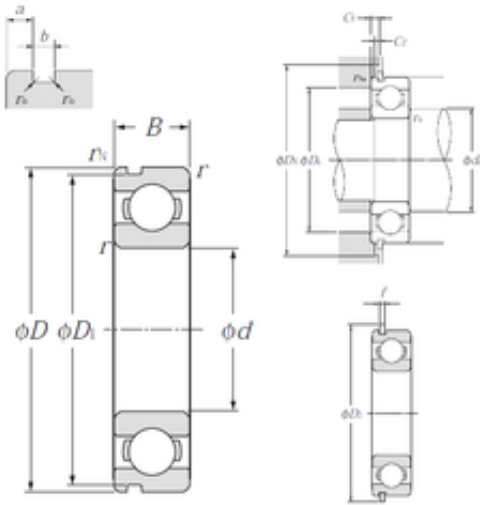




# FML ske Manufacturing Co., Ltd

## 17 mm x 40 mm x 12 mm NTN 6203NR deep groove ball bearings

Bearing No. 6203NR



6203NR Bearing 2D drawings and 3D CAD models

Size	17x40x12 mm
Bore Diameter	17 mm
Outer Diameter	40 mm
Width	12 mm
d	17 mm
D	40 mm
B	12 mm
C	12 mm
rn	0,5 mm
a	2,06 mm
b	1,35 mm
f	1,12 mm
r min.	0,6 mm
r0 max.	0,4 mm
D1	38,1 mm
D2	44,6 mm
da min.	21 mm
da max	23 mm
Da max.	36 mm
ra max.	0,6 mm
Dx	45,5 mm
Cy	2,9 mm
Cz	1,2 mm
rn	0,5 mm
Weight	0,066 Kg



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Basic dynamic load rating (C)	9,6 kN
Basic static load rating (C0)	4,6 kN
(Grease) Lubrication Speed	18 000 r/min
(Oil) Lubrication Speed	21 000 r/min
a min	1.9 mm
a max	2.06 mm
Ca min	2.92 mm
Ca max	3.18 mm
rs min	0.6 mm
rNs min	0.5 mm
D3 max	38.1 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.4 mm
D4 max	44.6 mm
Snap ring reference	R40
Radial clearance class	CN
Mass	0.07 kg
Dynamic load, C	9.6 kN
Static load, C0	4.6 kN
Fatigue limit load, Cu	0.21 kN
f0	12.8
Nlim (oil)	21,000 rpm
Nlim (grease)	18,000 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	3.78 Hz
Characteristic outer ring	2.63 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.37 Hz
da min	21 mm
Da max	36 mm
ra max	0.6 mm
rNa max	0.5 mm
Db min	45.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.066
EAN	4547359560572
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	17MM Bore; 40MM Outside Diameter; 12MM 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	<a href="http://www.snrbearings.com">http://www.snrbearings.com</a>
Manufacturer Item Number	6203.NR
Weight / LBS	0.143
Outside Diameter	1.575 Inch   40 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
Bore	0.669 Inch   17 Millimeter
bore diameter:	17 mm
precision rating:	ISO Class 0
outside diameter:	40 mm
finish/coating:	Uncoated
overall width:	12 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	12 mm
snap ring included:	With Snap Ring
maximum rpm (grease):	18000 rpm
internal clearance:	CN
maximum rpm (oil):	21000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	0.6 mm
dynamic load capacity:	9600 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	4600 N