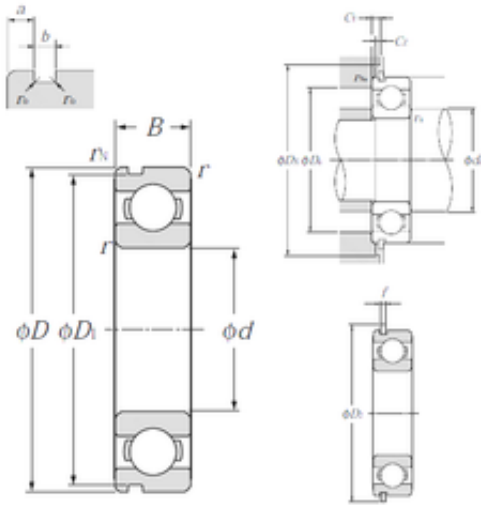




IFB Roller Industry Co.,Ltd



NTN 6005NR deep groove ball bearings

Bearing No. 6005NR

Size	25x47x12 mm
Bore Diameter	25 mm
Outer Diameter	47 mm
Width	12 mm
d	25 mm
D	47 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	44,6 mm
D2	52,7 mm
da min.	29 mm
da max	30,5 mm
Da max.	43 mm
ra max.	0,6 mm
Dx	53,5 mm
Cy	2,9 mm
Cz	1,2 mm
rn	0,5 mm
Weight	0,08 Kg
Basic dynamic load rating (C)	10,1 kN

6005NR Bearing 2D drawings and 3D CAD models



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Basic static load rating (C0)	5,85 kN
(Grease) Lubrication Speed	15 000 r/min
(Oil) Lubrication Speed	18 000 r/min
a min	1.9 mm
a max	2.06 mm
Ca min	3.02 mm
Ca max	3.18 mm
rs min	0.6 mm
rNs min	0.5 mm
D3 max	44.6 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.4 mm
D4 max	52.7 mm
Snap ring reference	R47
Radial clearance class	CN
Mass	0.08 kg
Dynamic load, C	10.1 kN
Static load, C0	5.85 kN
Fatigue limit load, Cu	0.27 kN
f0	14.5
Nlim (oil)	18,000 rpm
Nlim (grease)	15,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.49 Hz
Characteristic outer ring frequency, BPF0	4.12 Hz
Characteristic inner ring	5.88 Hz



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frequency, BPFI	
da min	29 mm
Da max	43 mm
ra max	0.6 mm
rNa max	0.5 mm
Db min	53.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.081
EAN	4547359324792
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	25MM Bore; 47MM 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
Noun	Bearing



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Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6005NR
Weight / LBS	0.176
Outer Race Width	0.472 Inch 12 Millimeter
Bore	0.984 Inch 25 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
bore diameter:	25 mm
finish/coating:	Uncoated
outside diameter:	47 mm
bearing material:	High Carbon Chrome Steel
overall width:	12 mm
cage material:	Steel
bore type:	Round
inner ring width:	12 mm
closure type:	Open
outer ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	15000 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	18000 rpm
internal clearance:	CN
fillet radius:	0.6 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	18000 RPM
dynamic load capacity:	10100 N
series:	60
static load capacity:	5850 N
manufacturer product page:	Click here
precision rating:	ISO Class 0