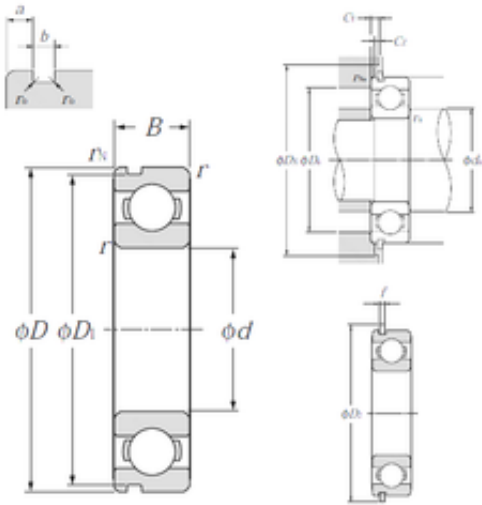




NTN BEARING-SUDAMERICANA, S.A.



35 mm x 80 mm x 21 mm NTN 6307NR Ball bearing

Bearing No. 6307NR

Size	35x80x21 mm
Bore Diameter	35 mm
Outer Diameter	80 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
C	21 mm
rn	0,5 mm
a	3,28 mm
b	1,9 mm
f	1,7 mm
r min.	1,5 mm
r0 max.	0,6 mm
D1	76,81 mm
D2	86,6 mm
da min.	43 mm
da max	47 mm
Da max.	72 mm
ra max.	1,5 mm
Dx	88 mm
Cy	4,6 mm
Cz	1,7 mm
rn	0,5 mm
Weight	0,457 Kg

6307NR Bearing 2D drawings and 3D CAD models



NTN BEARING-SUDAMERICANA, S.A.

Basic dynamic load rating (C)	33,5 kN
Basic static load rating (C0)	19,1 kN
(Grease) Lubrication Speed	8 800 r/min
(Oil) Lubrication Speed	10 000 r/min
a min	3.07 mm
a max	3.28 mm
Ca min	4.67 mm
Ca max	4.98 mm
rs min	1.5 mm
rNs min	0.5 mm
D3 max	76.81 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	86.6 mm
Snap ring reference	R80
Radial clearance class	CN
Mass	0.46 kg
Dynamic load, C	33.5 kN
Static load, C0	19.1 kN
Fatigue limit load, Cu	0.87 kN
f0	13.1
Nlim (oil)	10,000 rpm
Nlim (grease)	8,800 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	4.03 Hz
Characteristic outer ring	3.06 Hz



NTN BEARING-SUDAMERICANA, S.A.

frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.94 Hz
da min	43 mm
Da max	72 mm
ra max	1.5 mm
rNa max	0.5 mm
Db min	88 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.45
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	35MM Bore; 80MM Outside Diameter; 21MM 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



NTN BEARING-SUDAMERICANA, S.A.

Keyword String	Ball
Manufacturer URL	http://www.snrbearings.com
Manufacturer Item Number	6307.NR
Weight / LBS	0.98
Bore	1.378 Inch 35 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
bore diameter:	35 mm
finish/coating:	Uncoated
outside diameter:	80 mm
bearing material:	High Carbon Chrome Steel
overall width:	21 mm
cage material:	Steel
bore type:	Round
inner ring width:	21 mm
closure type:	Open
outer ring width:	21 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	8800 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	10000 rpm
internal clearance:	CN
fillet radius:	1.5 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	10000 RPM
dynamic load capacity:	33500 N
series:	63
static load capacity:	19100 N
manufacturer product page:	Click here
precision rating:	ISO Class 0