



NTN-SNR BEARING RULMENTI S.R.L.

50 mm x 110 mm x 27 mm NTN N310C3 Single row cylindrical roller bearings

Bearing No. N310C3

d	50 mm
D	110 mm
B	27 mm
E	95 mm
F	65 mm
d1	71 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.11 kg
Dynamic load, C	87 kN
Static load, C0	86 kN
Fatigue limit load, Cu	10.5 kN
Nlim (oil)	7,700 rpm
Nlim (grease)	6,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
da min	59 mm
Da max	101 mm
Db min	97 mm
Dc max	93 mm
ra max	2 mm
r1a max	2 mm
Category	Cylindrical Roller Bearings

N310C3 Bearing 2D drawings and 3D CAD models



NTN-SNR BEARING RULMENTI S.R.L.

Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.111
EAN	4547359151480
Product Group	B04144
Bore Profile	Straight
Cage Material	Steel
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C3-Loose
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	2 Rib Inner Ring Plain Outer Ring Cage On Inner Ring OD
Long Description	50MM Bore; Straight Bore Profile; 110MM Outside Diameter; 27MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C3-Loose Inter
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.co



NTN-SNR BEARING RULMENTI S.R.L.

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Manufacturer Item Number	N310C3
Weight / LBS	2.453
Width	1.063 Inch 27 Millimeter
Bore	1.969 Inch 50 Millimeter
Outside Diameter	4.331 Inch 110 Millimeter
bore diameter:	50 mm
static load capacity:	86000 N
outside diameter:	110 mm
precision rating:	ISO Class 0
overall width:	27 mm
maximum rpm:	7700 rpm
flanges:	(2) Inner Ring
bearing material:	Hardened Alloy Steel
bore type:	Straight
cage material:	Pressed Steel
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C3
closure type:	Open
ring separation:	Separable Outer Ring
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C
manufacturer product page:	Click here
dynamic load capacity:	87000 N