



N208 Bearing 2D drawings and 3D CAD models

NTN N208 CYLINDRICAL ROLLER BEARING

Bearing No. N208

Size	40x70x18 mm
Bore Diameter	40 mm
Outer Diameter	70 mm
Width	18 mm
d	40 mm
D	80 mm
Ew	70 mm
B	18 mm
C	18 mm
r min.	1,1 mm
r1 min.	1,1 mm
J	54,2 mm
Weight	0,37 Kg
Basic dynamic load rating (C)	43,5 kN
Basic static load rating (C0)	43 kN
(Grease) Lubrication Speed	9 400 r/min
E	70 mm
F	50 mm
d1	54.2 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.37 kg
Dynamic load, C	43.5 kN
Static load, C0	43 kN

Fatigue limit load, Cu	5.2 kN
Nlim (oil)	11,000 rpm
Nlim (grease)	9,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.83 Hz
Characteristic outer ring frequency, BPF0	5.42 Hz
Characteristic inner ring frequency, BPF1	7.58 Hz
da min	46.5 mm
Da max	73.5 mm
Db min	71 mm
Dc max	68 mm
ra max	1 mm
r1a max	1 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.37
EAN	4547359150063
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	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	2 Rib Inner Ring Plain Outer Ring Cage On Inner Ring OD
Long Description	40MM Bore; Straight Bore Profile; 80MM Outside Diameter; 18MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inter
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	N208
Weight / LBS	0.818
Outside Diameter	3.15 Inch 80 Millimeter
Width	0.709 Inch 18 Millimeter
Bore	1.575 Inch 40 Millimeter
bore diameter:	40 mm
static load capacity:	43000 N
outside diameter:	80 mm
precision rating:	ISO Class 0
overall width:	18 mm
maximum rpm:	11000 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:	CN
closure type:	Open
ring separation:	Separable Outer Ring
fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
manufacturer product page:	Click here
dynamic load capacity:	43500 N