



FY 2.7/16 TF/VA228 Flanged Y-bearing units high temperature applications

Bearing No. N311

N311 Bearing 2D drawings and 3D CAD models

Size	55x104.5x29 mm
Bore Diameter	55 mm
Outer Diameter	104,5 mm
Width	29 mm
d	55 mm
D	120 mm
Ew	104,5 mm
B	29 mm
C	29 mm
r min.	2 mm
r1 min.	2 mm
J	77,2 mm
Weight	1,42 Kg
Basic dynamic load rating (C)	111 kN
Basic static load rating (C0)	111 kN
(Grease) Lubrication Speed	5 900 r/min
E	104.5 mm
F	70.5 mm
d1	77.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.41 kg
Dynamic load, C	111 kN
Static load, C0	111 kN



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Fatigue limit load, Cu	13.5 kN
Nlim (oil)	7,000 rpm
Nlim (grease)	5,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
da min	64 mm
Da max	111 mm
Db min	106 mm
Dc max	103 mm
ra max	2 mm
r1a max	2 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.42
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



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	Outer Ring Cage On Inner Ring OD
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 29MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inte
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	N311
Weight / LBS	3.123
Bore	2.165 Inch 55 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Width	1.142 Inch 29 Millimeter
bore diameter:	55 mm
static load capacity:	111000 N
outside diameter:	120 mm
precision rating:	ISO Class 0
overall width:	29 mm
maximum rpm:	7000 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



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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:	111000 N