



REXNORED BEARING LIMITED



7002UCG/GNP42 Bearing 2D drawings and 3D CAD models

15 mm x 32 mm x 9 mm NTN
7002UCG/GNP42 angular contact ball bearings

Bearing No. 7002UCG/GNP42

Size	15x32x9 mm
Bore Diameter	15 mm
Outer Diameter	32 mm
Width	9 mm
d	15 mm
D	32 mm
B	9 mm
C	9 mm
Angle (°)	15 °
d1	20.9 mm
d2	19.7 mm
D1	26.1 mm
D2	28.7 mm
a	7.7 mm
Contact angle	15 °
rs min	0.3 mm
r1s min	0.15 mm
f0	14.1
Precision class	P42
Mass	0.03 kg
Dynamic load, C	6.6 kN
Static load, C0	3.7 kN
Nlim (oil)	79,800 rpm
Nlim (grease)	49,900 rpm
Preload level	GN



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Preload value	0.039 kN
Axial rigidity	27.1 N/ μ m
Radial rigidity	144.9 N/ μ m
Min operating temperature, T _{min}	-20 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.75 Hz
Characteristic outer ring frequency, BPF0	4.83 Hz
Characteristic inner ring frequency, BRFI	7.17 Hz
da min	17.5 mm
Da max	29.5 mm
Db max	30.8 mm
r1a max	0.15 mm
ra max	0.3 mm
D6	21.3 mm
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.03
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	Light
Raceway Style	1 Rib Outer Ring



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Cage Material	Nylon
Rolling Element	Ball Bearing
Mounting Arrangement	Universal
Flush Ground	Yes
Inch - Metric	Metric
Other Features	Single Row Angular Contact
Long Description	15MM Bore; 32MM Outside Diameter; 9MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Nylon Cage Material; 1 Rib Outer Ring Raceway
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	http://www.ntnamerica.com
Bore	0.591 Inch 15 Millimeter
Outside Diameter	1.26 Inch 32 Millimeter
Width	0.354 Inch 9 Millimeter