



Bearing No. 7307

D	80 mm
d	35 mm
B	21 mm
C	21 mm
a	27 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
Mass	0.46 kg
Width	0.827 Inch 21 Millimeter
Weight	0,462 Kg
da min	43.5 mm
ra max	1.5 mm
rs min	1.5 mm
Db max	74.5 mm
UNSPSC	31171531
Da max	71.5 mm
db min	40,5 mm
r min.	1,5 mm
ra max.	1,5 mm
da min.	43,5 mm
r1a max	1 mm
r1 min.	1 mm
r1s min	1 mm
Category	Angular Contact Ball Bearing
Size (mm)	35x80x21
Inventory	0.0
Enclosure	Open
Snap Ring	No

Nlim (oil)	13,000 rpm
Width (mm)	21
Flush Ground	No
Nlim (grease)	9,800 rpm
Product Group	B00308
Cage Material	Steel
Contact Angle	30 Degree
Inch - Metric	Metric
Keyword String	Angular Contact
Bearing number	7307
Dynamic load, C	40 kN
Static load, C0	26.3 kN
Angle (?)	25 °
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Long Description	35MM Bore; 80MM Outside Diameter; 21MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1 (Single)
Contact angle ?	30 °
Outside Diameter	3.15 Inch 80 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Name	NTN
Weight / Kilogram	0.464
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Bore Diameter (mm)	35
Outer Diameter (mm)	80

Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.28
Fatigue limit load, Cu	1.2 kN
Number of Rows of Balls	Single Row
(Grease) Lubrication Speed	9 800 r/min
Basic static load rating (C0)	26,3 kN
Basic dynamic load rating (C)	40 kN
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.4 Hz
Characteristic inner ring frequency, BPF1	7.22 Hz
Characteristic outer ring frequency, BPF0	4.78 Hz
Characteristic rolling element frequency, BSF	4.09 Hz