



Bearing No. 6005

D	47 mm
C	12 mm
B	12 mm
d	25 mm
f0	14.5
Noun	Bearing
Mass	0.08 kg
Bore	0.984 Inch 25 Millimeter
r min.	0,6 mm
UNSPSC	31171504
Weight	0,08 Kg
ra max	0.6 mm
Da max	43 mm
da min	29 mm
rs min	0.6 mm
da max	30,5 mm
da min.	29 mm
Da max.	43 mm
ra max.	0,6 mm
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	50.0
Size (mm)	25x47x12
Enclosure	Open
Nlim (oil)	18,000 rpm
Width (mm)	12
Weight / LBS	0.176
Product Group	B00308
Nlim (grease)	15,000 rpm

Inch - Metric	Metric
Cage Material	Steel
Bearing number	6005
Keyword String	Ball
Other Features	Deep Groove
Dynamic load, C	10.1 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Static load, C0	5.85 kN
Manufacturer URL	http://www.ntnamerica.com
Long Description	25MM Bore; 47MM Outside Diameter; 12MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.472 Inch 12 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
Weight / Kilogram	0.074
Manufacturer Name	NTN
Bore Diameter (mm)	25
Internal Clearance	C0-Medium
Outer Diameter (mm)	47
Minimum Buy Quantity	N/A
Fatigue limit load, Cu	0.27 kN
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
(Oil) Lubrication Speed	18 000 r/min
Internal Special	No

Features	
(Grease) Lubrication Speed	15 000 r/min
Basic dynamic load rating (C)	10,1 kN
Basic static load rating (C0)	5,85 kN
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.41 Hz
Characteristic inner ring frequency, BPFI	5.88 Hz
Characteristic outer ring frequency, BPF0	4.12 Hz
Characteristic rolling element frequency, BSF	5.49 Hz