



Bearing No. 16005

D	47 mm
d	25 mm
B	8 mm
C	8 mm
f0	15.1
Bore	0.984 Inch 25 Millimeter
Noun	Bearing
Mass	0.06 kg
Da max	45 mm
UNSPSC	31171504
r min.	0,3 mm
rs min	0.3 mm
da min	27 mm
Weight	0,06 Kg
ra max	0.3 mm
Da max.	45 mm
ra max.	0,3 mm
da min.	27 mm
series:	600
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	25x47x8
Nlim (oil)	18,000 rpm
bore type:	Round
Width (mm)	8
Weight / LBS	0.126
maximum rpm:	18000 RPM

Nlim (grease)	15,000 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	25 mm
cage material:	Steel
fillet radius:	0.3 mm
overall width:	8 mm
Bearing number	16005
Dynamic load, C	8.35 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	5.1 kN
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	1.85 Inch 47 Millimeter
Long Description	25MM Bore; 47MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outer Race Width	0.315 Inch 8 Millimeter
outer ring width:	8 mm
inner ring width:	8 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	47 mm
Weight / Kilogram	0.057
precision rating:	Class 0

Manufacturer Name	NTN
maximum rpm (oil):	18000 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	25
Outer Diameter (mm)	47
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	15000 rpm
static load capacity:	5100 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	8350 N
Fatigue limit load, Cu	0.23 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	18 000 r/min
Manufacturer Item Number	16005
Internal Special Features	No
(Grease) Lubrication Speed	15 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	5,1 kN
Basic dynamic load rating (C)	8,35 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity /	No

Filling Slot	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic inner ring frequency, BPFI	6.35 Hz
Characteristic outer ring frequency, BPF0	4.65 Hz
Characteristic rolling element frequency, BSF	6.32 Hz