



BEARING-SINGAPORE (PTE)LTD.

25 mm x 52 mm x 15 mm NTN 6205 deep groove ball bearings



Bearing No. 6205

Size	25x52x15 mm
Bore Diameter	25 mm
Outer Diameter	52 mm
Width	15 mm
d	25 mm
D	52 mm
B	15 mm
C	15 mm
r min.	1 mm
da min.	30 mm
da max	32 mm
Da max.	47 mm
ra max.	1 mm
Weight	0,128 Kg
Basic dynamic load rating (C)	14 kN
Basic static load rating (C0)	7,85 kN
(Grease) Lubrication Speed	13 000 r/min
(Oil) Lubrication Speed	15 000 r/min
rs min	1 mm
Radial clearance class	CN
Mass	0.13 kg
Dynamic load, C	14 kN
Static load, C0	7.85 kN
Fatigue limit load, Cu	0.36 kN
f0	13.9

6205 Bearing 2D drawings and 3D CAD models



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Nlim (oil)	15,000 rpm
Nlim (grease)	13,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.71 Hz
Characteristic outer ring frequency, BPF0	3.58 Hz
Characteristic inner ring frequency, BRF1	5.42 Hz
da min	30 mm
Da max	47 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.127
EAN	4547359004595
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric



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Long Description	25MM Bore; 52MM Outside Diameter; 15MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6205
Weight / LBS	0.282
Outside Diameter	2.047 Inch 52 Millimeter
Bore	0.984 Inch 25 Millimeter
Outer Race Width	0.591 Inch 15 Millimeter
bore diameter:	25 mm
finish/coating:	Uncoated
outside diameter:	52 mm
bearing material:	High Carbon Chrome Steel
overall width:	15 mm
cage material:	Steel
bore type:	Round
inner ring width:	15 mm
closure type:	Open
outer ring width:	15 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	13000 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	15000 rpm
internal clearance:	CN



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fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	15000 RPM
dynamic load capacity:	14000 N
series:	62
static load capacity:	7850 N
manufacturer product page:	Click here
precision rating:	Class 0