



Bearing No. 6205NR

f	1,12 mm
d	25 mm
D	52 mm
B	15 mm
C	15 mm
a	2,46 mm
b	1,35 mm
f0	13.9
Cy	3,3 mm
D2	57,9 mm
D1	49,73 mm
Cz	1,2 mm
rn	0,5 mm
Dx	58,5 mm
Noun	Bearing
Mass	0.13 kg
Bore	0.984 Inch 25 Millimeter
b max	1.65 mm
a max	2.46 mm
a min	2.31 mm
b min	1.35 mm
D4 max	57.9 mm
da max	32 mm
D3 max	49.73 mm
da min	30 mm
Weight	0,128 Kg
r0 max	0.4 mm
r min.	1 mm
UNSPSC	31171504

Da max	47 mm
Db min	58.5 mm
ra max	1 mm
Ca min	3.33 mm
Ca max	3.58 mm
rs min	1 mm
rNa max	0.5 mm
rNs min	0.5 mm
ra max.	1 mm
r0 max.	0,4 mm
Da max.	47 mm
da min.	30 mm
Category	Single Row Ball Bearing
Inventory	0.0
Size (mm)	25x52x15
Snap Ring	Yes
Enclosure	Open
Width (mm)	15
bore type:	Round
Nlim (oil)	15,000 rpm
Weight / LBS	0.287
Product Group	B00308
Nlim (grease)	13,000 rpm
closure type:	Open
Cage Material	Steel
Inch - Metric	Metric
Other Features	Deep Groove With Snap Ring
overall width:	15 mm
Keyword String	Ball
Bearing number	6205NR
bore diameter:	25 mm
cage material:	Steel

fillet radius:	1 mm
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Dynamic load, C	14 kN
Rolling Element	Ball Bearing
Static load, C0	7.85 kN
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.591 Inch 15 Millimeter
Long Description	25MM Bore; 52MM Outside Diameter; 15MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Outside Diameter	2.047 Inch 52 Millimeter
Manufacturer URL	http://www.ntnamerica.com
outer ring width:	15 mm
outside diameter:	52 mm
precision rating:	ISO Class 0
Weight / Kilogram	0.13
inner ring width:	15 mm
bearing material:	High Carbon Chrome Steel
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	25
maximum rpm (oil):	15000 rpm
Snap ring reference	R52
Outer Diameter (mm)	52

internal clearance:	CN
snap ring included:	With Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	13000 rpm
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	7850 N
Fatigue limit load, Cu	0.36 kN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	14000 N
Radial clearance class	CN
(Oil) Lubrication Speed	15 000 r/min
Manufacturer Item Number	6205NR
Internal Special Features	No
(Grease) Lubrication Speed	13 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	7,85 kN
Basic dynamic load rating (C)	14 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	3.58 Hz
Characteristic inner ring	5.42 Hz

frequency, BPF1	
Characteristic rolling element frequency, BSF	4.71 Hz