



Bearing No. 6205ZNR

D	52,000 mm
d	25,000 mm
B	15,000 mm
C	15,000 mm
f	1.12 mm
f0	13.9
Noun	Bearing
Bore	0.984 Inch 25 Millimeter
Mass	0.13 kg
b min	1.35 mm
b max	1.65 mm
a min	2.31 mm
a max	2.46 mm
Ca min	3.33 mm
Ca max	3.58 mm
UNSPSC	31171504
Db min	58.5 mm
Da max	47 mm
D4 max	57.9 mm
r0 max	0.4 mm
da min	30 mm
D3 max	49.73 mm
ra max	1 mm
rs min	1 mm
rNa max	0.5 mm
rNs min	0.5 mm
Category	Single Row Ball Bearing
Snap Ring	Yes
Inventory	0.0

Enclosure	1 Metal Shield
Size (mm)	25x52x15
Nlim (oil)	15,000 rpm
Width (mm)	15,000
bore type:	Round
Weight / LBS	0.282
Product Group	B00308
Cage Material	Steel
Inch - Metric	Metric
Nlim (grease)	13,000 rpm
closure type:	Single Shield
overall width:	15 mm
Keyword String	Ball
bore diameter:	25 mm
Bearing number	6205ZNR
cage material:	Steel
fillet radius:	1 mm
Static load, C0	7.85 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Dynamic load, C	14 kN
Long Description	25MM Bore; 52MM Outside Diameter; 15MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Outer Race Width	0.591 Inch 15 Millimeter
Outside Diameter	2.047 Inch 52 Millimeter

Manufacturer URL	http://www.ntnamerica.com
Manufacturer Name	NTN
Weight / Kilogram	0.125
bearing material:	High Carbon Chrome Steel
outer ring width:	15 mm
inner ring width:	15 mm
outside diameter:	52 mm
precision rating:	ISO Class 0
maximum rpm (oil):	15000 rpm
Internal Clearance	C3-Loose
Bore Diameter (mm)	25,000
internal clearance:	CN
snap ring included:	With Snap Ring
Snap ring reference	R52
Outer Diameter (mm)	52,000
Minimum Buy Quantity	N/A
static load capacity:	7850 N
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	13000 rpm
dynamic load capacity:	14000 N
Radial clearance class	CN
Fatigue limit load, Cu	0.36 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6205ZNR
Internal Special Features	No
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Min operating	-20 °C

temperature, Tmin	
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	3.58 Hz
Characteristic inner ring frequency, BPFI	5.42 Hz
Characteristic rolling element frequency, BSF	4.71 Hz