



KRS Guide Wheel Bearing Co., Ltd



25 mm x 62 mm x 17 mm NTN 6305NR deep groove ball bearings

Bearing No. 6305NR

6305NR Bearing 2D drawings and 3D CAD models

Size	25x62x17 mm
Bore Diameter	25 mm
Outer Diameter	62 mm
Width	17 mm
d	25 mm
D	62 mm
B	17 mm
C	17 mm
rn	0,5 mm
a	3,28 mm
b	1,9 mm
f	1,7 mm
r min.	1,1 mm
r0 max.	0,6 mm
D1	59,61 mm
D2	67,7 mm
da min.	31,5 mm
da max	35 mm
Da max.	55,5 mm
ra max.	1 mm
Dx	68,5 mm
Cy	4,6 mm
Cz	1,7 mm
rn	0,5 mm
Weight	0,232 Kg



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Basic dynamic load rating (C)	21,2 kN
Basic static load rating (C0)	10,9 kN
(Grease) Lubrication Speed	12 000 r/min
(Oil) Lubrication Speed	14 000 r/min
a min	3.07 mm
a max	3.28 mm
Ca min	4.67 mm
Ca max	4.98 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	59.61 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	67.7 mm
Snap ring reference	R62
Radial clearance class	CN
Mass	0.23 kg
Dynamic load, C	21.2 kN
Static load, C0	10.9 kN
Fatigue limit load, Cu	0.5 kN
f0	12.6
Nlim (oil)	14,000 rpm
Nlim (grease)	12,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.66 Hz
Characteristic outer ring	2.61 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.39 Hz
da min	31.5 mm
Da max	55.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	68.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.234
EAN	4547359574906
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	25MM Bore; 62MM Outside Diameter; 17MM 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
Other Features	Deep Groove With Snap Ring



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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	6305NR
Weight / LBS	0.516
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.669 Inch 17 Millimeter
Bore	0.984 Inch 25 Millimeter
Outside Diameter	2.441 Inch 62 Millimeter
bore diameter:	25 mm
precision rating:	ISO Class 0
outside diameter:	62 mm
finish/coating:	Uncoated
overall width:	17 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	17 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	17 mm
snap ring included:	With Snap Ring
maximum rpm (grease):	12000 rpm
internal clearance:	CN
maximum rpm (oil):	14000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	21200 N



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manufacturer product page:	Click here
static load capacity:	10900 N