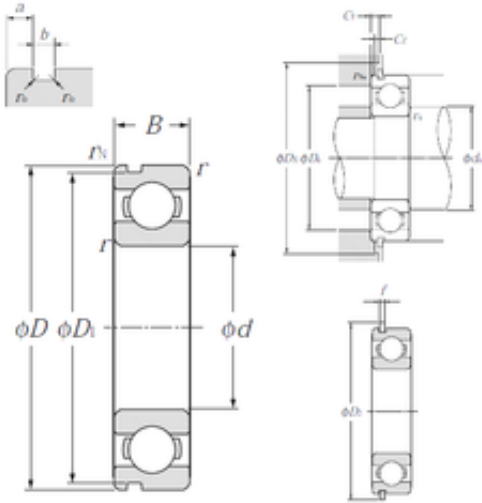




# Timken MANUFACTURING (THAILAND)CO.,LTD.



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

Bearing No. 6305NR

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

6305NR Bearing 2D drawings and 3D CAD models



## Timken MANUFACTURING (THAILAND)CO.,LTD.

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



## Timken MANUFACTURING (THAILAND)CO.,LTD.

Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
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:	<a href="#">Click here</a>
static load capacity:	10900 N