



NTN BEARING-SUDAMERICANA, S.A.



7307BG Bearing 2D drawings and 3D CAD models

35,000 mm x 80,000 mm x 21,000 mm NTN
7307BG angular contact ball bearings

Bearing No. 7307BG

Size	35x80x21 mm
Bore Diameter	35,000 mm
Outer Diameter	80,000 mm
Width	21,000 mm
d	35,000 mm
D	80,000 mm
B	21,000 mm
C	21,000 mm
a	34.5 mm
Contact angle	40 °
rs min	1.5 mm
r1s min	1 mm
Radial clearance class	CN
Mass	0.94 kg
Dynamic load, C	34.6 kN
Static load, C0	22.2 kN
Fatigue limit load, Cu	1.01 kN
Nlim (oil)	11,000 rpm
Nlim (grease)	8,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	4.13 Hz



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Characteristic outer ring frequency, BPF0	4.51 Hz
Characteristic inner ring frequency, BPF1	6.49 Hz
da min	43.5 mm
db min	40.5 mm
Da max	71.5 mm
Db max	74.5 mm
r1a max	1 mm
ra max	1 mm
bore diameter:	35 mm
radial static load capacity:	24200 N
outside diameter:	80 mm
operating temperature range:	-40 to 120 ° C
overall width:	21 mm
cage material:	Steel
contact angle:	40 °
outer ring width:	21 mm
row type & fill slot:	Single-Row Non-Fill Slot
maximum rpm:	11000 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
series:	73B
bearing material:	High Carbon Chrome Steel
weight:	0.466 kg
radial dynamic load capacity:	36500 N



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manufacturer product page:

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