



KIA Roller Industry Co.,Ltd

NTN 6412 deep groove ball bearings

Bearing No. 6412



6412 Bearing 2D drawings and 3D CAD models

Size	60x150x35 mm
Bore Diameter	60 mm
Outer Diameter	150 mm
Width	35 mm
d	60 mm
D	150 mm
B	35 mm
C	35 mm
r min.	2,1 mm
da min.	71 mm
Da max.	139 mm
ra max.	2 mm
Weight	2,77 Kg
Basic dynamic load rating (C)	102 kN
Basic static load rating (C0)	64,5 kN
(Grease) Lubrication Speed	4 800 r/min
(Oil) Lubrication Speed	5 700 r/min
rs min	2.1 mm
Radial clearance class	CN
Mass	2.77 kg
Dynamic load, C	102 kN
Static load, C0	64.5 kN
Fatigue limit load, Cu	2.85 kN
f0	12.6
Nlim (oil)	5,700 rpm
Nlim (grease)	4,800 rpm



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Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.63 Hz
Characteristic outer ring frequency, BPF0	2.6 Hz
Characteristic inner ring frequency, BPF1	4.4 Hz
da min	71 mm
Da max	139 mm
ra max	2 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	2.84
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	60MM Bore; 150MM Outside Diameter; 35MM Outer Race Diameter; Open; Ball Bearing; ABEC 1



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	ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
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	6412
Weight / LBS	6.254
Bore	2.362 Inch 60 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
Outer Race Width	1.378 Inch 35 Millimeter
bore diameter:	60 mm
precision rating:	Class 0
outside diameter:	150 mm
finish/coating:	Uncoated
overall width:	35 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	35 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	35 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	4800 rpm
internal clearance:	CN
maximum rpm (oil):	5700 rpm
operating temperature range:	-40 to 120 ° C



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fillet radius:	2.1 mm
dynamic load capacity:	102000 N
manufacturer product page:	Click here
static load capacity:	64500 N