



AST BEARING OF AMERICA CORP.



6018Z Bearing 2D drawings and 3D CAD models

90,000 mm x 140,000 mm x 24,000 mm NTN
6018Z deep groove ball bearings

Bearing No. 6018Z

Size	90x140x24 mm
Bore Diameter	90,000 mm
Outer Diameter	140,000 mm
Width	24,000 mm
d	90,000 mm
D	140,000 mm
B	24,000 mm
C	24,000 mm
rs min	1.5 mm
Radial clearance class	CN
Mass	1.02 kg
Dynamic load, C	58 kN
Static load, C0	49.5 kN
Fatigue limit load, Cu	2.1 kN
f0	15.6
Nlim (oil)	5,600 rpm
Nlim (grease)	4,700 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.49 Hz
Characteristic outer ring frequency, BPF0	6.08 Hz



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Characteristic inner ring frequency, BPF1	7.92 Hz
da min	98 mm
Da max	132 mm
ra max	1.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.134
EAN	4547359336146
Product Group	B00308
Enclosure	1 Metal Shield
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	90MM Bore; 140MM Outside Diameter; 24MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stee
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68



AST BEARING OF AMERICA CORP.

Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6018Z
Weight / LBS	1.175
Outer Race Width	0.945 Inch 24 Millimeter
Outside Diameter	5.512 Inch 140 Millimeter
Bore	3.543 Inch 90 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	90 mm
precision rating:	ISO Class 0
outside diameter:	140 mm
finish/coating:	Uncoated
overall width:	24 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Single Shield
inner ring width:	24 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	24 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	4700 rpm
internal clearance:	CN
maximum rpm (oil):	5600 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.5 mm
dynamic load capacity:	58000 N
manufacturer product page:	Click here
static load capacity:	49500 N