



Shandong Chik Bearing Co., Ltd.

90 mm x 115 mm x 13 mm NTN 6818 deep groove ball bearings

Bearing No. 6818



6818 Bearing 2D drawings and 3D CAD models

Size	90x115x13 mm
Bore Diameter	90 mm
Outer Diameter	115 mm
Width	13 mm
d	90 mm
D	115 mm
B	13 mm
C	13 mm
r min.	1 mm
da min.	95 mm
da max	96 mm
Da max.	110 mm
ra max.	1 mm
Weight	0,285 Kg
Basic dynamic load rating (C)	19 kN
Basic static load rating (C0)	19,7 kN
(Grease) Lubrication Speed	5 400 r/min
(Oil) Lubrication Speed	6 300 r/min
rs min	1 mm
Radial clearance class	CN
Mass	0.28 kg
Dynamic load, C	19 kN
Static load, C0	19.7 kN
Fatigue limit load, Cu	0.88 kN
f0	16.1



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Nlim (oil)	6,300 rpm
Nlim (grease)	5,400 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	14.28 Hz
Characteristic outer ring frequency, BPF0	11.16 Hz
Characteristic inner ring frequency, BPGI	12.84 Hz
da min	95 mm
Da max	110 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.272
EAN	4547359006414
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



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Long Description	90MM Bore; 115MM Outside Diameter; 13MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
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	6818
Weight / LBS	0.6
Inner Race Width	0 Inch 0 Millimeter
Bore	3.543 Inch 90 Millimeter
Outer Race Width	0.512 Inch 13 Millimeter
Outside Diameter	4.528 Inch 115 Millimeter
bore diameter:	90 mm
precision rating:	Class 0
outside diameter:	115 mm
finish/coating:	Uncoated
overall width:	13 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	13 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	13 mm



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snap ring included:	Without Snap Ring
maximum rpm (grease):	5400 rpm
internal clearance:	CN
maximum rpm (oil):	6300 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1 mm
dynamic load capacity:	19000 N
manufacturer product page:	Click here
static load capacity:	19700 N