



# FML ske Manufacturing Co., Ltd

## 140 mm x 175 mm x 18 mm NTN 6828 deep groove ball bearings



Bearing No. 6828

6828 Bearing 2D drawings and 3D CAD models

Size	140x175x18 mm
Bore Diameter	140 mm
Outer Diameter	175 mm
Width	18 mm
d	140 mm
D	175 mm
B	18 mm
C	18 mm
r min.	1,1 mm
da min.	146,5 mm
Da max.	168,5 mm
ra max.	1 mm
Weight	0,85 Kg
Basic dynamic load rating (C)	38,5 kN
Basic static load rating (C0)	44,5 kN
(Grease) Lubrication Speed	3 400 r/min
(Oil) Lubrication Speed	4 000 r/min
rs min	1.1 mm
Radial clearance class	CN
Mass	0.85 kg
Dynamic load, C	38.5 kN
Static load, C0	44.5 kN
Fatigue limit load, Cu	1.61 kN
f0	16
Nlim (oil)	4,000 rpm



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Nlim (grease)	3,400 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.47 Hz
Characteristic rolling element frequency, BSF	15.2 Hz
Characteristic outer ring frequency, BPF0	12.15 Hz
Characteristic inner ring frequency, BRFI	13.85 Hz
da min	146.5 mm
Da max	168.5 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.829
EAN	4547359414387
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	140MM Bore; 175MM Outside Diameter; 18MM



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	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	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6828
Weight / LBS	1.825
Outer Race Width	0.709 Inch   18 Millimeter
Outside Diameter	6.89 Inch   175 Millimeter
Bore	5.512 Inch   140 Millimeter
Inner Race Width	0 Inch   0 Millimeter
bore diameter:	140 mm
precision rating:	Class 0
outside diameter:	175 mm
finish/coating:	Uncoated
overall width:	18 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	18 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	18 mm
snap ring included:	Without Snap Ring



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maximum rpm (grease):	3400 rpm
internal clearance:	CN
maximum rpm (oil):	4000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	38500 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	44500 N