

# 51118 NSK 90x120x22mm SREN 0

## Thrust ball bearings

Bearing number	51118
Size (mm)	90x120x22
Brand	NSK
Bore Diameter (mm)	90
Outer Diameter (mm)	120
Width (mm)	22
d	90 mm
D	120 mm
T	22 mm
d1	120 mm
r min.	1 mm
d2	92 mm
da min.	108 mm
Da max.	102 mm
ra max.	1 mm
Height	0.646 Kg
Basic dynamic load rating (C)	60 kN
Basic static load rating (C0)	190 kN
(Grease) Lubrication Speed	1900 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.687
EAN	0020176026485
Product Group - BDI	889308
Rolling Element	Ball Bearing
Thrust Bearing	Yes
Single or Double Direction	Single Direction
Banded	No
Cage Material	Steel
Precision Class	Non-Precision
Component Description	Roller Assembly Plus Raceways
Other Features	Single Row   With Flat Seat
Long Description	90MM Bore 1; 92MM Bore 2; 120MM Outside Diameter; 22MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; Non-Precision
Category - BDI	Thrust Ball Bearings
UNSPSC	31171552
Harmonized Tariff Code	8482.10.50.00
Noun	Bearing
Keyword String	Ball Thrust
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	51118
Weight / LBS	1.42419
Bore 2	3.622 Inch   92 Millimeter
Bore 1	3.543 Inch   90 Millimeter
Height	0.866 Inch   22 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore diameter:	90 mm
static load capacity:	42500 lbf
outside diameter:	120 mm
dynamic load capacity:	13500 lbf
overall width:	22 mm
bearing temperature range:	Maximum of +120 °C
thrust bearing type:	Single-Direction
maximum rpm:	3000 rpm
outside diameter design:	Straight
cage material:	Steel cage
separable or banded:	Separable
fillet radius:	1 mm
race type:	Flat
series:	51100
precision rating:	ABEC1, P0
SRI	5.0
height:	51118
LangID	1
D	120
SREX	0.05
C	60
B	22
CAD	<a href="http://service.wol2cad.co.jp/pcsw/79sknr-NSK_RBKInfo-nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_assteb_prj6warsw-(ORDER-51118)_CD-001_(D=120)_T=22_(SR=1.0)_CAB=60000_(COAN=100000)_CA=6150_(CDA=10400)_GR=1900_(OTI=3000)_SDI=120_(D1=92)_S04=100_(DA=102)_SRA=1.0)_PMS5=0.646">http://service.wol2cad.co.jp/pcsw/79sknr-NSK_RBKInfo-nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_assteb_prj6warsw-(ORDER-51118)_CD-001_(D=120)_T=22_(SR=1.0)_CAB=60000_(COAN=100000)_CA=6150_(CDA=10400)_GR=1900_(OTI=3000)_SDI=120_(D1=92)_S04=100_(DA=102)_SRA=1.0)_PMS5=0.646</a>
height:	ecat_NS07B
d11 rpm:	3000
SRE	5.0
MSX	0.646
MS rpm	1900
ra	1
SREX	0.05
D_a	102
SREN	0
CD	190
SREN	0
D_1	92
Prod_Type3	TB_50_WFS
da	108
DA	10.319
Z	29
yob1	51118
SM_	105
F	1
T	22
KBRG	5111
calcd1	/bearingGuide/html/calculation.jsp