

# 51120 NSK 100x135x25mm

## dynamic load capacity: 19300

### lbf Thrust ball bearings

Bearing number	51120
Size (mm)	100x135x25
Brand	NSK
Bore diameter (mm)	100
Outer diameter (mm)	135
Width (mm)	25
d	100 mm
D	135 mm
T	25 mm
d1	135 mm
r min.	1 mm
d1	102 mm
d2 min.	122 mm
D2 max.	114 mm
ra max.	1 mm
Weight	0.96 Kg
Basic dynamic load rating (C)	86 kN
Basic static load rating (C0)	268 kN
(Grease) Lubrication Speed	1700 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	1.006
EAN	0029176026492
Product Group - BDI	800308
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	180MM Bore 1; 182MM Bore 2; 135MM Outside Diameter; 25MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; Non-Precision
Inch - Metric	Metric
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	51120
Weight / LBS	2.11644
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Weight	0.964 Inch   25 Millimeter
Bore 1	3.937 Inch   100 Millimeter
Outside Diameter	5.315 Inch   135 Millimeter
Bore 2	4.016 Inch   102 Millimeter
bore diameter:	100 mm
static load capacity:	60500 lbf
outside diameter:	135 mm
dynamic load capacity:	19300 lbf
overall width:	25 mm
operating temperature range:	Maximum of +120 °C
thrust bearing type:	Single Direction
maximum rpm:	2600 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	0.85
NSK90A	51120
LangID	1
D	135
SREX	0.85
C	86
r	25
CAD	<a href="http://service.webcad.co.jp/pcon/79maker-NSK_R88Info=nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_sontab.orj\$warsat-(ORDR-51120)-(S0-180)-(D-135)-(T-25)-(SR-1.8)-(CAN-86000)-(COAN-26000)-(CA-8750)-(COA-27300)-(PRE-1700)-(01L-2600)-(S01-135)-(D1-102)-(S04-121)-(D4-114)-(S9A-1.8)-(P0SS-0.960)ecat_NSK0TB">http://service.webcad.co.jp/pcon/79maker-NSK_R88Info=nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_sontab.orj\$warsat-(ORDR-51120)-(S0-180)-(D-135)-(T-25)-(SR-1.8)-(CAN-86000)-(COAN-26000)-(CA-8750)-(COA-27300)-(PRE-1700)-(01L-2600)-(S01-135)-(D1-102)-(S04-121)-(D4-114)-(S9A-1.8)-(P0SS-0.960)ecat_NSK0TB</a>
hidtable	ecat_NSK0TB
oil rpm	2600
SRI	0.85
maxi	0.96
GRS rpm	1700
ra	1
SREX	0.85
D_4	114
SREN	0
C0	268
SREN	0
D_1	102
Prod_Type1	TB_S0_MFS
da	121
DA	12.7
Z	27
yBS	0.120
SOM	117.5
r	1

T	25
KBRG	5111
calcut	/bearingGuide/html/calculation.jsp