

# 51110 NSK GRS rpm 3200 50x70x14mm Thrust ball bearings

Bearing number	51110
Size (mm)	50x70x14
Brand	NSK
Bore Diameter (mm)	50
Outer Diameter (mm)	70
Width (mm)	14
d	50 mm
D	70 mm
T	14 mm
d1	70 mm
r min.	0.6 mm
D1	52 mm
da min.	62 mm
Da max.	50 mm
ra max.	0.6 mm
Weight	0.153 Kg
Basic Dynamic Load rating (C)	29 kN
Basic static load rating (C0)	75.5 kN
(Grease) Lubrication Speed	3200 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.16
EAN	0029176026447
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	50MM Bore 1; 52MM Bore 2; 70MM Outside Diameter; 14MM 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
Non-Keyword	Bearing
Manufacturer String	Ball Thrust
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	51110
Weight / LBS	0.33731
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore 1	1.969 Inch   50 Millimeter
Outside Diameter	2.756 Inch   70 Millimeter
Height	0.551 Inch   14 Millimeter
Bore 2	2.047 Inch   52 Millimeter
bore diameter:	50 mm
static load capacity:	7788 kg
outside diameter:	70 mm
dynamic load capacity:	2968 kg
overall width:	14 mm
operating temperature range:	Maximum of +120 °C
thrust bearing type:	Single-Direction
maximum rpm:	4800 RPM
outside diameter design:	Straight
cage material:	Steel
separable or banded:	Separable
fillet radius:	0.6 mm
face type:	Flat
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
SRI	3.9
NSR9000	51110
LangID	1
D_	70
SREX	0.04
C	29
B_	14
CAD	<a href="http://service.web2cad.co.jp/pcom/Make-NSK_RB&amp;info=nsk_rb/roller_bearings/thrust_bearings/single_direction/bb/with_flat_seat_assttab.prj&amp;varset={ORIG=51110} {SD=50} {D=70} {T=14} {SR=0.6} {CAN=29000} {COA=75500} {CA=2960} {COA=7700} {GR=3200} {OIL=4800} {SD1=70} {D1=52} {SDA=62} {DA=50} {SRA=0.6} {PM55=0.153}">http://service.web2cad.co.jp/pcom/Make-NSK_RB&amp;info=nsk_rb/roller_bearings/thrust_bearings/single_direction/bb/with_flat_seat_assttab.prj&amp;varset={ORIG=51110} {SD=50} {D=70} {T=14} {SR=0.6} {CAN=29000} {COA=75500} {CA=2960} {COA=7700} {GR=3200} {OIL=4800} {SD1=70} {D1=52} {SDA=62} {DA=50} {SRA=0.6} {PM55=0.153}</a>
hdfFile	ecat_N50TB
d11 rpm	4800
SRE	3.9
MS	0.153
GRS rpm	3200
ra	0.6
SREX	0.04
D_a	50
SREN	0
CD	75.5
SREN	0
D_1	52
Prod_Type3	TB_SD_MS
da	62
DA_	7.144
Z_	24

yp01	5110
SDM	60
r	0.0
T	14
KBRG	5111
calc01	/bearingGuide/html/calculation.jsp