

# 51113 NSK 65x90x18mm SREN 0

## Thrust ball bearings

Bearing number	51113
Size (mm)	65x90x18
Brand	NSK
Bore Diameter (mm)	65
Outer Diameter (mm)	90
Width (mm)	18
d	65 mm
D	90 mm
T	18 mm
d1	90 mm
r min.	1 mm
Da	67 mm
da min.	66 mm
Da max.	75 mm
ra max.	1 mm
Weight	0.324 Kg
Basic dynamic load rating (C)	42 kN
Basic static load rating (C0)	117 kN
(Grease) Lubrication Speed	2400 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.33
SKN	0029176026454
Product Group - BDI	000300
Rolling Element	Ball Bearing
Thrust Bearing	Yes
Single or Double Direction	Single Direction
Banded Cage Material	No Steel
Precision Class	Non-Precision
Component Description	Roller Assembly Plus Raceways
Other Features	Single Row   With Flat Seat
Long Description	63PW Bore 1; 67PW Bore 2; 90PW Outside Diameter; 18PW Height; Ball Bearing, Single Direction; Not Banded; Steel Cage; Non-Precision
Unit - Metric	Metric
Category - BDI	Thrust Ball Bearings
HSN	31171552
Harmonized Tariff Code	8482.10.30.00
Mount	Bearing
Keyword String	Ball Thrust
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	51113
Weight / LBS	0.7143
Outside Diameter	3.543 Inch   90 Millimeter
Bore 1	2.559 Inch   65 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore 2	2.638 Inch   67 Millimeter
Height	0.709 Inch   18 Millimeter
bore diameter:	65 mm
static load capacity:	12000 kg
outside diameter:	90 mm
dynamic load capacity:	4300 kg
overall width:	18 mm
operating temperature range:	Maximum of +120 °C
thrust bearing type:	Single-Direction
maximum rpm:	3800 RPM
outside diameter design:	Straight
cage material:	Steel
separable or banded:	Separable
fillet radius:	1 mm
race type:	Flat
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
SRI	4.7
NSD700s	51113
LangID	1
D	90
SREX	0.84
C	42
E	18
CAD	<a href="http://service.web2cad.co.jp/pcsm/MakeNSK_RBInfo-mk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_asemb.prj?srset=(ORDER=11113),(SD=65),(D=90),(T=18),(SR=1.0),(CAN=2300),(CAN=117000),(CAN=4200),(CAN=12000),(GRE=2400),(DIL=3800),(SD1=90),(D1=67),(SD=90),(Da=75),(SRA=1.0),(PM55=0.324)ecat_NS078">http://service.web2cad.co.jp/pcsm/MakeNSK_RBInfo-mk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_asemb.prj?srset=(ORDER=11113),(SD=65),(D=90),(T=18),(SR=1.0),(CAN=2300),(CAN=117000),(CAN=4200),(CAN=12000),(GRE=2400),(DIL=3800),(SD1=90),(D1=67),(SD=90),(Da=75),(SRA=1.0),(PM55=0.324)ecat_NS078</a>
NSD700s	ecat_NS078
d1l rpm	3800
SRE	4.7
mass	0.324
OSI rpm	2400
ra	1
SREX	0.84
D_a	75
SREN	0
C0	117
SREN	0
D_1	67
Prod_Type3	TB_SD_MFS
da	80
Da	0.731
Z	25
y0s1	51113
SDM	77.5
r	1
T	18
XBRG	5111
calcd1	/bearingGuide/html/calculation.jsp