

51100 NSK 10x24x9mm outside diameter design: Straight Thrust ball bearings

Bearing number	51100
Size (mm)	10x24x9
Brand	NSK
Bore diameter (mm)	10
Outer diameter (mm)	24
Width (mm)	9
d	10 mm
D	24 mm
T	9 mm
d1	24 mm
r min.	0.3 mm
d1	11 mm
da min.	18 mm
da max.	16 mm
ra max.	0.3 mm
Weight	0.019 Kg
Basic dynamic load rating (C)	10.1 kN
Basic static load rating (C0)	14 kN
(Grease) Lubrication Speed	6700 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.02
EAN	0029176026355
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	10MM Bore 1; 13MM Bore 2; 24MM Outside Diameter; 9MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; Non-Precision
Inch - Metric	Metric
Category - BDI	Thrust Ball Bearings
UNSPSC	31171052
Harmonized Tariff Code	8482.10.50.00
Non-Keyword String	Bearing
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	51100
Weight / LBS	0.04189
Bore 2	0.433 Inch 11 Millimeter
Height	0.354 Inch 9 Millimeter
Outside Diameter	0.945 Inch 24 Millimeter
Overall Height with Aligning Washer	0 Inch 0 Millimeter
Bore 1	0.394 Inch 10 Millimeter
bore diameter:	10 mm
static load capacity:	1420 kg
outside diameter:	24 mm
dynamic load capacity:	1030 kg
overall width:	9 mm
operating temperature range:	Maximum of +120 °C
thrust bearing type:	Single-Direction
maximum rpm:	10000 RPM
outside diameter design:	Straight
cage material:	Steel
separable or banded:	Separable
fillet radius:	0.3 mm
face type:	Flat
series:	S11
precision rating:	ABEC 1 (ISO Class Normal)
SRI	2.6
NSR9000	51000
LangID	1
D_	24
SREX	0.03
C	10.1
g_	9
CAD	http://service.web2cad.co.jp/pcnm/Make-NSK_RB&info=nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_asstb.prj&varset=(ORIG=51100).(SD=10).(D=24).(T=9).(SR=0.3).(CAN=10100).(CON=14000).(CA=10300).(CG=14200).(GR=6700).(D11=10000).(SD1=24).(D1=11).(SDA=10).(DA=10).(SRA=0.3).(PMS5=0.019)
hdfFile	ecat_N50TB
d11 rpm	10000
SRE	2.6
MS	0.019
ERS rpm	6700
ra	0.3
SREX	0.03
D_a	16
SREN	0
CD	14
SREN	0
D_1	11
Prod_Type3	TB_SD_MFS
da	10
DA_	1.702
Z_	10

yp01	51100
SDM	17
r	0.3
T	9
KBRG	5111
calc01	/bearingGuide/html/calculation.jsp