

# 51104 NSK 20x35x10mm overall width: 10 mm Thrust ball bearings

Bearing number	51104
Size (mm)	20x35x10
Brand	NSK
Bore Diameter (mm)	20
Outer Diameter (mm)	35
Width (mm)	10
d	20 mm
D	35 mm
T	10 mm
d1	35 mm
r min.	0.3 mm
d1	21 mm
da min.	29 mm
da max.	26 mm
ra max.	0.3 mm
Weight	0.037 Kg
Basic dynamic load rating (C)	15.1 kN
Basic static load rating (C0)	26.6 kN
(Grease) Lubrication Speed	5300 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.04
EAN	0029176026393
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	20MM Bore 1; 23MM Bore 2; 35MM Outside Diameter; 10MM 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	Bearing
Keyword String	Ball Thrust
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	51104
Weight / LBS	0.08157
Outside Diameter	1.378 Inch   35 Millimeter
Height	0.394 Inch   10 Millimeter
Bore 2	0.827 Inch   21 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore 1	0.787 Inch   20 Millimeter
bore diameter:	20 mm
static load capacity:	2710 kg
outside diameter:	35 mm
dynamic load capacity:	1540 kg
overall width:	10 mm
operating temperature range:	Maximum of +120 °C
thrust bearing type:	Single-Direction
maximum rpm:	8000 RPM
outside diameter design:	Straight
cage material:	Steel
separable or banded:	Separable
fillet radius:	0.3 mm
race type:	Flat
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
SRI	3
NSKprod	51104
LangID	1
d_	35
SRX	0.03
C	15.1
a_	10
CAD	<a href="http://service.web2cad.co.jp/pcom/Make-NSK_RB&amp;info=nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_asstab.prj&amp;varset={ORDER=51104; (SD=20) (D=35) (T=10) (SR=0.3) (CAN=15100) (COA=26600) (C=1540) (DA=2710) (GR=5300) (D1L=8000) (SD1=15) (D1=21) (SDA=20) (DA=20) (SR=0.3) (MSS=0.037) (SRI=3) (NSK=51104) (LANG=1) (D=35) (T=10) (SR=0.3) (CAN=15100) (COA=26600) (C=1540) (DA=2710) (GR=5300) (D1L=8000) (SD1=15) (D1=21) (SDA=20) (DA=20) (SR=0.3) (MSS=0.037)}">http://service.web2cad.co.jp/pcom/Make-NSK_RB&amp;info=nsk_rb/roller_bearings/thrust_bearings/single_direction_tbb/with_flat_seat_asstab.prj&amp;varset={ORDER=51104; (SD=20) (D=35) (T=10) (SR=0.3) (CAN=15100) (COA=26600) (C=1540) (DA=2710) (GR=5300) (D1L=8000) (SD1=15) (D1=21) (SDA=20) (DA=20) (SR=0.3) (MSS=0.037) (SRI=3) (NSK=51104) (LANG=1) (D=35) (T=10) (SR=0.3) (CAN=15100) (COA=26600) (C=1540) (DA=2710) (GR=5300) (D1L=8000) (SD1=15) (D1=21) (SDA=20) (DA=20) (SR=0.3) (MSS=0.037)}</a>
hdFile	ecat_N550TB
d11 rpm	8000
SRE	3
mss	0.037
GRS rpm	5300
ra	0.3
SRX	0.03
D_a	26
SRN	0
CD	26.6
SRN	0
D_1	21
Prod_Type3	TB_SD_MFS
da	29
DA_	26.6
Z_	14

yp01	51104
SDM	27.5
r	0.3
T <sub>c</sub>	10
KBRG	5111
calc01	/bearingGuide/html/calculation.jsp