21311EAKE4 NSK 55x120x29mm C0 174 Spherical roller bearings

Bearing number	21311EAKE4
Size (mm)	55x120x29
Brand	NSK
Bore Diameter (mm)	55
Outer Diameter (mm)	120
Width (mm)	29
d	55 mm
D	120 mm
B	29 mm
C	29 mm
r min.	2 mm
da min.	65 mm
da max	72 mm
Da min	98 mm
Da max.	110 mm
ra max.	2 mm
Weight	1.58 Kg
Basic dynamic load rating (C)	142 kN
Basic static load rating (C0)	174 kN
(Grease) Lubrication Speed	4300 r/min
(Oil) Lubrication Speed	5300 r/min
Calculation factor (e)	0.23
Calculation factor (Y0)	2.9
Calculation factor (Y2)	4.4
Category	Spherical Roller Bearings
BDI Inventory	8.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	1.61
EAN	0029176410710
Product Group – BDI	B04311
Internal Clearance	C0-Medium
Mounting Method	Adapter Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Tapered
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	AH311 (Specify bore)
Inch – Metric	Metric
Long Description	55MM Tapered Bore; 120MM Outside Diameter; 29MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number – H311 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Category – BDI	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	8482.3080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21311EAKE4
Weight / LBS	0
Width	1.142 Inch | 29 Millimeter
Adapter Part Number	SNW11 H311 HA311 HE311 (Specify Bore) Inch | H311 (Specify bore) Millimeter
Outside Diameter	4.724 Inch | 120 Millimeter
Bore	2.165 Inch | 55 Millimeter
bore diameter:	55 mm
maximum rpm:	5600 RPM
outside diameter:	120 mm
operating temperature range:	Maximum of +200 °C
overall width:	29 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	ABEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	29 mm
dynamic load capacity:	178000 N
fillet radius:	2 mm
static load capacity:	174000 N
series:	213
Y3	3
hidYobi	21311EAKE4
LangID	1
Y1	2.9
D_	120
Y2	4.4
Macha rpm	8000
B_	29
CAD	https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=ja&info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_asmtab.prj&varset={STAN=MM5}.{ORDER=21311EAKE4}.{SD=55}.{D=120}.{B=29.0}.{R=2.0}.{CR1=178000}.{COR1=174000}.{LT=5300}.{LM=8000}.{LG=4500}.{LO=5600}.{DA1=65}.{DA2=72}.{DA3=110}.{DA4=98}.{RA=2.0}.{E=0.23}.{Y2=4.4}.{Y3=3.0}.{Y0=2.9}.{MASS=1.58}
da min	65
hidTable	ecat_MSSPMR
Oil rpm	5600
Y0	2.9
mass	1.58
GRS rpm	4500
ra	2
TSR rpm	5300
C0	174
DE_	99.856
X0	1
Prod_Type3	SRB_CTB_TB
X1	1
X2	0.67
SIR	10.3
e	0.23
DA_	13.02
bomp	21311EAKE4
Z_	19
ALP2	38
ALP1	8
ALP3	0
D_a max	110
D_a min	98
yobi	21311EAKE4
HPS	HPS
ALPHA_	0.151
SDM_	06.983
r	2
KBRG	2328
SBRG	3
DI_	74.111
calcUrl	/BearingGuide/html/calculation.jsp