



Bearing No. 22311EAE4

Size	55x120x43 mm
Bore Diameter	55 mm
Outer Diameter	120 mm
Width	43 mm
d	55 mm
D	120 mm
B	43 mm
C	43 mm
r min.	2 mm
da min.	65 mm
da max	73 mm
Da min	103 mm
Da max.	110 mm
ra max.	2 mm
Weight	2,3 Kg
Basic dynamic load rating (C)	234 kN
Basic static load rating (C0)	292 kN
(Grease) Lubrication Speed	3400 r/min
(Oil) Lubrication Speed	4300 r/min
Calculation factor (e)	0,34
Calculation factor (Y0)	1,9
Calculation factor (Y2)	2,9
Category	Spherical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	2.4

EAN	0029176411656
Product Group - BDI	B04311
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	55MM Straight Bore; 120MM Outside Diameter; 43MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BDI	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22311EAE4
Weight / LBS	2.4
Outside Diameter	4.724 Inch 120 Millimeter
Width	1.693 Inch 43

	Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Bore	2.165 Inch 55 Millimeter
bore diameter:	55 mm
maximum rpm:	4800 RPM
outside diameter:	120 mm
operating temperature range:	Maximum of +200 °C
overall width:	43 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	RBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	43 mm
dynamic load capacity:	292000 N
fillet radius:	2 mm
static load capacity:	292000 N
series:	223
Y3	2
hidYobi	22311EAE4
LangID	1
Y1	2
D_	120
Y2	2.9

Macha rpm	6000
B_	43
CAD	https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=ja&info=nsk_rb/roller_bearings/spherical_rb/cylindrical_bore_asmtab.prj&varset={STAN=HPS},{ORDER=22311EAE4},{SD=55},{D=120},{B=43.0},{R=2.0},{CR1=292000},{COR1=292000},{LT=4300},{LM=6000},{LG=3800},{LO=4800},{DA1=65},{DA2=73.000},{DA3=110},{DA4=103},{RA=2.0},{E=0.34},{Y2=2.9},{Y3=2.0},{Y0=1.9},{MASS=2.30}
da min	65
hidTable	ecat_NSSPHR
Oil rpm	4800
Y0	1.9
mass	2.3
GRS rpm	3800
ra	2
TSR rpm	4300
C0	292
DE_	107.217
X0	1
Prod_Type3	SRB_CTB_CB
X1	1
X2	0.67
SIR	17.23
e	0.34
DA_	16.02

bomp	22311EAE4
Z_	16
ALP2	55
ALP1	12
ALP3	0
D_a max	110
D_a min	103
yobi	22311EAE4
HPS	HPS
ALPHA_	0.225
SDM_	91.602
r	2
KBRG	2328
SBRG	23
DI_	75.987
calcUrl	/BearingGuide/html/calculation.jsp