

# 21311EAE4 NSK LangID 1

## 55x120x29mm Spherical roller bearings

Bearing number	21311EAE4
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.	67 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
(G1) Grease Lubrication Speed	4500 r/min
(G1) Oil Lubrication Speed	5500 r/min
Calculation factor (f1)	0.23
Calculation factor (f2)	2.9
Calculation factor (f3)	4.4
Category	Spherical Roller Bearings
ISO Inventory	8.0
Manufacturer Name	NSK
Maximum Buy Quantity	N/A
Weight / Kilogram	1.65
SKU	80257643957
Product Group - BEI	804311
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	5099 Straight Bore; 12099 Outside Diameter; 2999 Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BEI	Spherical Roller Bearing
UNSC	311110
Harmonized Tariff Code	84823000
NSN	69050108
Keyword String	Bearing Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21311EAE4
Weight / LBS	1.65
Bore	2.165 Inch   55 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Width	1.142 Inch   29 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Bore diameter maximum rpm	55
outside diameter	5500 RPM
operating temperature range	120 mm
overall width	Maximum of +200 °C
cage material	29 mm
bore type	Steel
bearing material	Straight
outer ring type	Steel
cage type	Not Split
internal clearance	Inner Ring Guided
precision rating	C0
closure type	BBEC 1 (ISO Class Normal)
finish/coating	Open
lubrication hole type	Uncoated
outer ring width	Lubrication Groove & Hole
dynamic load capacity	29 mm
static load capacity	17000 N
surface	2 mm
Y1	17000 N
ISO9000	213
LangID	3
Y2	120
W	29
Y3	4.4
Machin rpm	8000
W	29
ISO9000	21311EAE4
ISO9000	1
ISO9000	6.07
ISO9000	10.3
e	0.23
DA	53.92
ISO9000	21311EAE4
ISO9000	19
Z	19
ALP2	38
ALP1	8
ALP3	0
D_a max	110
D_a min	65
ISO9000	21311EAE4
ISO9000	89.583
ISO9000	2
ISO9000	3128
ISO9000	1
ISO9000	74.113
calcID	/Bear-IngGuide/Item/Calculation_110