

# 21310EAE4 NSK 50x110x27mm SIR

## 10.3 Spherical roller bearings

Bearing number	21310EAE4
Size (mm)	50x110x27
Brand	NSK
Bore Diameter (mm)	50
Outer Diameter (mm)	110
Width (mm)	27
d	50 mm
D	110 mm
B	27 mm
C	27 mm
r min.	2 mm
da min.	60 mm
da max.	72 mm
Da min.	60 mm
Da max.	100 mm
ra max.	2 mm
Weight	1.21 Kg
Basic dynamic load rating (C)	142 kN
Basic static load rating	174 kN
(G1)	
Lubrication Speed	4300 r/min
(G1)	
Lubrication Speed	5300 r/min
Calculation factor (e)	0.23
Calculation factor (f)	2.9
Calculation factor (f2)	4.4
Category	Spherical Roller Bearings
ISO Inventory	8-0
Manufacturer Name	NSK
Maximum Buy Quantity	N/A
Weight / Kilogram	1.23
SKU	80257643059
Product Group - BS	804311
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Roll Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Retained Shown	Not Applicable
Inch - Metric	Metric
Long Description	100% Straight Bore; 110% Outside Diameter; 27% Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BS	Spherical Roller Bearing
UNSC	311110
Harmonized Tariff Code	84823000
NSN	
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21310EAE4
Weight / LBS	1.28
Outside Diameter	4.331 Inch   110 Millimeter
Width	1.063 Inch   27 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Bore	1.969 Inch   50 Millimeter
bore diameter	50
maximum rpm	5600 RPM
outside diameter	110 mm
operating temperature range	Maximum of +200 °C
overall width	27 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	BBEC 1 (ISO Class Normal)
closure type	Open
finish/coating	Uncoated
lubrication hole type	Lubrication Groove & Hole
outer ring width	27 mm
dynamic load capacity	170000 N
static load capacity	2 mm
surface	170000 N
Y1	213
Y2	3
Y3	21310EAE4
Y4	1
Y5	110
Y6	27
Y7	110
Y8	27
Y9	110
Y10	27
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