

22214EAE4 NSK 70x125x31mm

operating temperature range: Maximum of +200 °C Spherical roller bearings

Bearing Number	22214EAE4
Size (mm)	70x125x31
Bore	NSK
Bore Diameter (mm)	70
Outer Diameter (mm)	125
Width (mm)	31
d	70 mm
D	125 mm
B	31 mm
r min.	1.5 mm
d1 min.	70 mm
d1 max.	64 mm
D1 min.	111 mm
D1 max.	116 mm
r1 max.	1.5 mm
Weight	1.58 Kg
Basic dynamic load rating (C)	180 kN
Basic static load rating (C0)	232 kN
Grease Lubrication Speed (GSL)	3600 r/min
Oil Lubrication Speed	4500 r/min
Calculation factor (a)	0.23
Calculation factor (Y)	2.0
Calculation factor (Y2)	4.3
Category	Spherical Roller Bearings
BDI Inventory	0-0
Manufacturer Name	NSK
Minimum Qty	1/1
Weight / Kilogram	1.63
DM	0001041112
Product Group - BDI	004311
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	70MM Straight Bore; 125MM Outside Diameter; 31MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BDI	Spherical Roller Bearing
SDPSIC	31171210
Harmonized Tariff Code	84823000
NSN	680000
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22214EAE4
Weight / LBS	1.65
Width	1.22 Inch 31 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
Bore	2.756 Inch 70 Millimeter
bore diameter:	70 mm
maximum rpm:	5100 RPM
outside diameter:	125 mm
operating temperature range:	Maximum of +200 °C
overall width:	31 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	C0
precision rating:	PREC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	31 mm
dynamic load capacity:	222000 N
static load capacity:	232000 N
series:	222
Y0	2.0
Y1	2.0
Y2	4.3
Y3	7.08
Y4	31
Y5	31
Y6	31
Y7	31
Y8	31
Y9	31
Y10	31
Y11	31
Y12	31
Y13	31
Y14	31
Y15	31
Y16	31
Y17	31
Y18	31
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Y20	31
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Y92	31
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Y95	31
Y96	31
Y97	31
Y98	31
Y99	31
calc01	/bearingGuide/tn/calculation.jsp