

22214EAE4 NSK 70x125x31mm

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

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|------------------------------------|--|
| Bearing Number | 22214EAE4 |
| Size (mm) | 70x125x31 |
| Bore Diameter (mm) | 70 |
| Outer Diameter (mm) | 125 |
| Width (mm) | 31 |
| d | 70 mm |
| D | 125 mm |
| C | 31 mm |
| r min. | 1.5 mm |
| d _a min. | 70 mm |
| d _a max. | 70 mm |
| D _a min. | 111 mm |
| D _a max. | 110 mm |
| r _a min. | 1.5 mm |
| r _a max. | 1.5 mm |
| Weight | 1.58 Kg |
| Basic dynamic load rating (C) | 180 kN |
| Basic static load rating (C0) | 232 kN |
| Operating Lubrication Speed (Vmax) | 3600 r/min |
| Lubrication Speed (Vref) | 4500 r/min |
| Calculation factor (a1) | 0.23 |
| Calculation factor (Y2) | 2.0 |
| Calculation factor (Y1) | 4.3 |
| Category | Spherical Roller Bearings |
| BSI Standard | 9.9 |
| Manufacturer Name | NSK |
| Minimum Qty | 1/A |
| Weight / Kilogram | 1.63 |
| DWG | 800210411212 |
| Product Group - BSI | 604311 |
| 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 - BSI | Spherical Roller Bearing |
| IPPC | 31171210 |
| Normalized Tariff Code | 84823000 |
| Key | Bearing |
| 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: | 3300 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 |
| dynaml load capacity: | 222000 N |
| static load capacity: | 232000 N |
| fluke index: | 222 |
| YS | 2.0 |
| ISO | 22214EAE4 |
| YS | 2.0 |
| D | 325 |
| YS | 4.3 |
| NSK rpm | 7100 |
| S | 31 |
| ISO | 79 |
| ISO | NSK998 |
| ISO rpm | 3300 |
| YS | 2.0 |
| max | 1.58 |
| ISO rpm | 4000 |
| ra | 1.5 |
| ISO rpm | 4500 |
| OS | 232 |
| ISO | 113.35 |
| NS | 1 |
| Prod. Speed | 3600 CRB_CR |
| YS | 1 |
| X2 | 0.87 |
| ISO | 21.58 |
| e | 0.23 |
| DA | 54.24 |
| ISO | 22214EAE4 |
| Z | 20 |
| ALF2 | 48 |
| ALF1 | 0 |
| ALF0 | 0 |
| D_a_max | 110 |
| ISO | 111 |
| ISO | 22214EAE4 |
| MPS | 885 |
| ALPM | 0.238 |
| ISO | 59.376 |
| r | 1.5 |
| CRB | 2220 |
| ISO | 22 |
| ISO | B5-483 |
| calcUrl | /bearingGuide/technicalCalculation.jsp |