



# AMERICAN BEARING MFG.CORP.



21315 EK Bearing 2D drawings and 3D CAD models

## 75 mm x 160 mm x 37 mm SKF 21315 EK Spherical Roller Bearings

Bearing No. 21315 EK

|                           |  |
|---------------------------|--|
| Category                  | Spherical Roller Bearings  |
| Inventory                 | 0.0  |
| Manufacturer Name         | SKF  |
| Minimum Buy Quantity      | N/A  |
| Weight                    | 2.538  |
| EAN                       | 7316577742261  |
| Product Group             | B04311   |
| Internal Clearance        | C0-Medium  |
| Mounting Method           | Adapter Mount  |
| Rolling Element           | Spherical Roller Bearing   |
| Bore Profile              | Tapered  |
| Cage Material             | Steel  |
| Enclosure                 | Open   |
| Number of Rows of Rollers | Double Row   |
| Relubricatable            | Yes  |
| Withdrawal Sleeve         | AHX313 (Specify bore)  |
| Withdrawal Nut            | KM15   |
| Inch - Metric             | Metric   |
| Long Description          | 65MM Tapered Bore;<br>140MM Outside Diameter;<br>33MM Width; C0-Medium<br>Clearance; Adapter Mount;<br>Double Row of Spherical<br>Roller Bearings; Steel Cage<br>Material; Open Enclosure;<br>Relubricatable; Adapter Part<br>Nu |
| Other Features            | Order adapter or   |



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|                              |  |
|------------------------------|--|
|                              | withdrawal sleeve or nut separately. Others may be available                         |
| Category                     | Spherical Roller Bearing   |
| UNSPSC                       | 31171510   |
| Harmonized Tariff Code       | 84823080   |
| Noun                         | Bearing  |
| Keyword String               | Spherical  |
| Manufacturer URL             | <a href="http://www.skf.com">http://www.skf.com</a>                                  |
| Weight / LBS                 | 5.606  |
| d                            | 2.559 Inch   65 Millimeter   |
| Adapter Part Number          | SNW13 H313 HA313<br>HE313 (Specify Bore) Inch  <br>H313 (Specify bore)<br>Millimeter |
| B                            | 1.299 Inch   33 Millimeter   |
| D                            | 5.512 Inch   140 Millimeter  |
| bore diameter:               | 75 mm  |
| maximum rpm:                 | 5600 RPM   |
| outside diameter:            | 160 mm   |
| operating temperature range: | Maximum of +390 ° F  |
| overall width:               | 37 mm  |
| cage material:               | Steel  |
| bore type:                   | Tapered 1:12   |
| bearing material:            | Steel  |
| outer ring type:             | Not Split  |
| precision rating:            | Not Rated  |
| internal clearance:          | C0   |
| finish/coating:              | Uncoated   |
| closure type:                | Open   |
| outer ring width:            | 37 mm  |
| lubrication hole type:       | Lubrication Groove & Hole  |
| fillet radius:               | 2 mm   |
|                              |  |



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|   |            |
|---|------------|
| dynamic load capacity:                  | 285 kN     |
| series:                                 | 213        |
| static load capacity:                   | 325 kN     |
| d                                       | 75 mm      |
| D                                       | 160 mm     |
| B                                       | 37 mm      |
| d <sub>2</sub>                          | 101 mm     |
| D <sub>1</sub>                          | 133 mm     |
| b                                       | 6 mm       |
| K                                       | 3 mm       |
| r <sub>1,2</sub> min.                   | 2.1 mm     |
| D <sub>a</sub> max.                     | 148 mm     |
| r <sub>a</sub> max.                     | 2 mm       |
| Basic dynamic load rating C             | 291 kN     |
| Basic static load rating C <sub>0</sub> | 325 kN     |
| Fatigue load limit P <sub>u</sub>       | 34.5 kN    |
| Reference speed                         | 4000 r/min |
| Limiting speed                          | 5600 r/min |
| Calculation factor e                    | 0.22       |
| Calculation factor Y <sub>1</sub>       | 3          |
| Calculation factor Y <sub>2</sub>       | 4.6        |
| Calculation factor Y <sub>0</sub>       | 2.8        |
| Mass bearing                            | 3.7 kg     |
| Recommended lock nut tightening angle   | 130 °      |