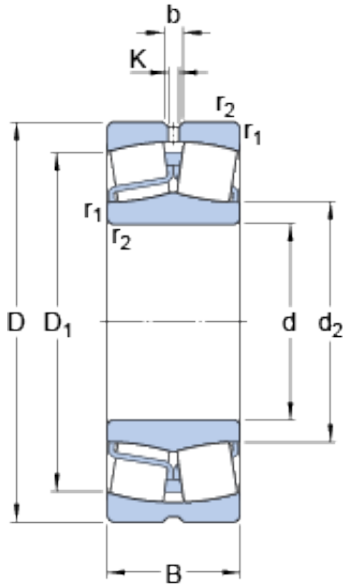




# BROWNING BEARING COMPANY

80 mm x 140 mm x 33 mm skf 22216 e bearing

Bearing No. 22216 e



22216 e Bearing 2D drawings and 3D CAD models

|   |              |
|---|--------------|
| Size                                      | 140x80x33 mm |
| Bore Diameter                             | 140 mm       |
| Outer Diameter                            | 80 mm        |
| Width                                     | 33 mm        |
| d   | 80 mm        |
| D   | 140 mm       |
| B   | 33 mm        |
| d <sub>2</sub>                            | 94.7 mm      |
| D <sub>1</sub>                            | 124 mm       |
| b   | 6 mm         |
| K   | 3 mm         |
| r <sub>1,2</sub> - min.                   | 2 mm         |
| d <sub>a</sub> - min.                     | 91 mm        |
| D <sub>a</sub> - max.                     | 129 mm       |
| r <sub>a</sub> - max.                     | 2 mm         |
| Basic dynamic load rating - C             | 243 kN       |
| Basic static load rating - C <sub>0</sub> | 270 kN       |
| Fatigue load limit - P <sub>u</sub>       | 29 kN        |
| Reference speed                           | 4300 r/min   |
| Limiting speed                            | 6000 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          |
|   |              |



## BROWNING BEARING COMPANY

|                           |   |
|---------------------------|---|
| Category                  | Spherical Roller Bearings   |
| Inventory                 | 0.0   |
| Manufacturer Name         | SKF   |
| Minimum Buy Quantity      | N/A   |
| Weight / Kilogram         | 2.15  |
| EAN                       | 7316576652523   |
| Product Group             | B04311  |
| 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  |
| Withdrawal Nut            | Not Applicable  |
| Inch - Metric             | Metric  |
| Long Description          | 80MM Straight Bore;<br>140MM Outside Diameter;<br>33MM Width; C0-Medium<br>Clearance; Shaft Mount;<br>Double Row of Spherical<br>Roller Bearings; Steel Cage<br>Material; Open Enclosure;<br>Relubricatable |
| 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              | 4.735   |
| Outside Diameter          | 5.512 Inch   140 Millimeter   |
|                           |   |



## BROWNING BEARING COMPANY

|                                |   |
|--------------------------------|---|
| Bore                           | 3.15 Inch   80 Millimeter                       |
| Adapter Part Number            | Not Applicable Inch   Not Applicable Millimeter |
| Width                          | 1.299 Inch   33 Millimeter                      |
| bore diameter:                 | 80 mm   |
| maximum rpm:                   | 6000 RPM  |
| outside diameter:              | 140 mm  |
| operating temperature range:   | Maximum of +390 ° F                             |
| overall width:                 | 4.3800 in                                       |
| cage material:                 | Steel   |
| bore type:                     | Straight  |
| bearing material:              | Steel   |
| outer ring type:               | Not Split                                       |
| precision rating:              | Not Rated                                       |
| internal clearance:            | C0  |
| finish/coating:                | Uncoated  |
| closure type:                  | Open  |
| outer ring width:              | 33 mm   |
| lubrication hole type:         | Lubrication Groove & Hole                       |
| fillet radius:                 | 2 mm  |
| dynamic load capacity:         | 236 kN  |
| series:                        | 222   |
| static load capacity:          | 270 kN  |
| $d_2$                          | 94.7 mm   |
| $D_1$                          | 124 mm  |
| $r_{1,2}$ min.                 | 2 mm  |
| $d_a$ min.                     | 91 mm   |
| $D_a$ max.                     | 129 mm  |
| $r_a$ max.                     | 2 mm  |
| Basic dynamic load rating C    | 243 kN  |
| Basic static load rating $C_0$ | 270 kN  |
| Fatigue load limit $P_u$       | 29 kN   |



## BROWNING BEARING COMPANY

|                          |        |
|--------------------------|--------|
| Calculation factor e     | 0.22   |
| Calculation factor $Y_1$ | 3      |
| Calculation factor $Y_2$ | 4.6    |
| Calculation factor $Y_0$ | 2.8    |
| Mass bearing             | 2.1 kg |