

# BS2-2218-2RSK/VT143 SKF

## 160x90x48mm EAN 7316576831508

### Spherical roller bearings

|   |                     |
|---|---------------------|
| Bearing number                            | BS2-2218-2RSK/VT143 |
| Size (mm)                                 | 160x90x48           |
| Brand                                     | SKF                 |
| Bore Diameter (mm)                        | 160                 |
| Outer Diameter (mm)                       | 90                  |
| Width (mm)                                | 48                  |
| d   | 90 mm               |
| D   | 160 mm              |
| B   | 48 mm               |
| d <sub>2</sub>                            | 102 mm              |
| D <sub>1</sub>                            | 146 mm              |
| b   | 6 mm                |
| K   | 3 mm                |
| r <sub>1,2</sub> – min.                   | 2 mm                |
| d <sub>a</sub> – min.                     | 97.2 mm             |
| d <sub>a</sub> – max.                     | 102 mm              |
| D <sub>a</sub> – max.                     | 149 mm              |
| r <sub>a</sub> – max.                     | 2 mm                |
| Basic dynamic load rating – C             | 331 kN              |
| Basic static load rating – C <sub>0</sub> | 375 kN              |
| Fatigue load limit – P <sub>u</sub>       | 39 kN               |
| Limiting speed                            | 1800 r/min          |
| Calculation factor – e                    | 0.24                |

|  |                 |
|--|-----------------|
| Calculation factor – $Y_1$                     | 2.8             |
| Calculation factor – $Y_2$                     | 4.2             |
| Calculation factor – $Y_0$                     | 2.8             |
| Category                                       | Roller Bearings |
| BDI Inventory                                  | 0.0             |
| Manufacturer Name                              | SKF             |
| Minimum Buy Quantity                           | N/A             |
| Weight / Kilogram                              | 0               |
| EAN  | 7316576831508   |
| Product Group – BDI                            | B04311          |
| $d_2 \approx$                                  | 102 mm          |
| $D_1 \approx$                                  | 146 mm          |
| $r_{1,2} \text{ min.}$                         | 2 mm            |
| $D_a \text{ max.}$                             | 149 mm          |
| $r_a \text{ max.}$                             | 2 mm            |
| Basic dynamic load rating C                    | 331 kN          |
| Basic static load rating $C_0$                 | 375 kN          |
| Fatigue load limit $P_u$                       | 39 kN           |
| Calculation factor e                           | 0.24            |
| Calculation factor $Y_1$                       | 2.8             |
| Calculation factor $Y_2$                       | 4.2             |
| Calculation factor $Y_0$                       | 2.8             |
| Mass bearing                                   | 3.7 kg          |
| Recommended lock nut tightening angle $\alpha$ | 150 °           |