



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 22322EAE4

### Spherical Roller Bearings

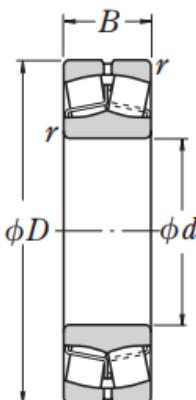
#### Boundary Dimensions

|          |     |    |                   |
|----------|-----|----|-------------------|
| d        | 110 | mm | Bore diameter     |
| D        | 240 | mm | Outside diameter  |
| B        | 80  | mm | Width             |
| r (min.) | 3   | mm | Chamfer dimension |

#### Basic Load Ratings

|     |         |   |                           |
|-----|---------|---|---------------------------|
| Cr  | 1030000 | N | Basic dynamic load rating |
| C0r | 1120000 | N | Basic static load rating  |

#### Speeds



|   |      |       |  |
|---|------|-------|--|
| Mechanical<br>(forced-circulation<br>oil) | 1900 | min-1 | Properly designed and controlled forced-circulation<br>oil lubrication |
| Grease                                    | 1400 | min-1 | Grease lubrication   |
| Oil (Oil-bath)                            | 1900 | min-1 | Oil-bath lubrication   |

#### Abutment and Fillet Dimensions

|           |     |    |                                   |
|-----------|-----|----|-----------------------------------|
| da (min.) | 124 | mm | Diameter of shaft abutment        |
| da (max.) | 145 | mm | Diameter of shaft abutment        |
| Da (min.) | 206 | mm | Diameter of housing abutment      |
| Da (max.) | 226 | mm | Diameter of housing abutment      |
| ra (max.) | 2.5 | mm | Radius of shaft or housing fillet |

#### Calculation factors

|    |      |                    |
|----|------|--------------------|
| e  | 0.33 | Constant           |
| Y2 | 3.1  | Axial load Factors |
| Y3 | 2.1  | Axial load Factors |
| Y0 | 2    | Axial load Factors |

#### Mass

|              |      |    |              |
|--------------|------|----|--------------|
| Mass approx. | 17.6 | kg | Mass approx. |
|--------------|------|----|--------------|

