



# PRODUCT DATASHEET

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## 22218EAKE4

### Spherical Roller Bearings

#### Parts Number

|              |
|--------------|
| 22218EAKE4C3 |
|--------------|

#### Boundary Dimensions

|          |     |    |                   |
|----------|-----|----|-------------------|
| d        | 90  | mm | Bore diameter     |
| D        | 160 | mm | Outside diameter  |
| B        | 40  | mm | Width             |
| r (min.) | 2   | mm | Chamfer dimension |

#### Basic Load Ratings

|     |        |   |                           |
|-----|--------|---|---------------------------|
| Cr  | 360000 | N | Basic dynamic load rating |
| C0r | 395000 | N | Basic static load rating  |

#### Speeds

|                                     |      |       |   |
|-------------------------------------|------|-------|---|
| Thermal Speed Rating (Oil-bath)     | 3800 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312    |
| Mechanical (forced-circulation oil) | 5000 | min-1 | Properly designed and controlled forced-circulation oil lubrication |
| Grease                              | 3200 | min-1 | Grease lubrication  |
| Oil (Oil-bath)                      | 4000 | min-1 | Oil-bath lubrication  |

#### Abutment and Fillet Dimensions

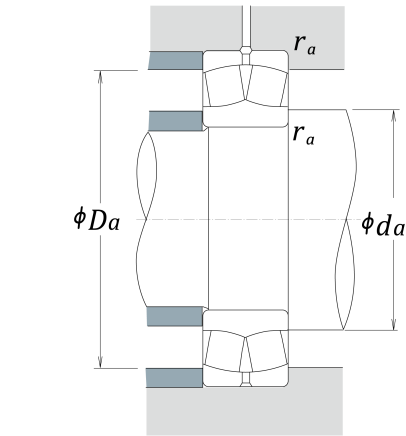
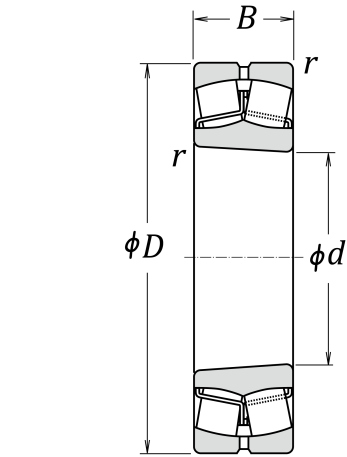
|           |     |    |                                   |
|-----------|-----|----|-----------------------------------|
| da (min.) | 100 | mm | Diameter of shaft abutment        |
| da (max.) | 108 | mm | Diameter of shaft abutment        |
| Da (min.) | 142 | mm | Diameter of housing abutment      |
| Da (max.) | 150 | mm | Diameter of housing abutment      |
| ra (max.) | 2   | mm | Radius of shaft or housing fillet |

#### Calculation factors

|    |      |                    |
|----|------|--------------------|
| e  | 0.24 | Constant           |
| Y2 | 4.3  | Axial load Factors |
| Y3 | 2.9  | Axial load Factors |
| Y0 | 2.8  | Axial load Factors |

#### Mass

|              |     |    |              |
|--------------|-----|----|--------------|
| Mass approx. | 3.3 | kg | Mass approx. |
|--------------|-----|----|--------------|



#### Associated products

|                   |        |                   |
|-------------------|--------|-------------------|
| Adapter           | H318X  | Adapter           |
| Withdrawal sleeve | AHX318 | Withdrawal sleeve |