



# PRODUCT DATASHEET

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## 22228CDKE4

### Spherical Roller Bearings

#### Parts Number

|              |
|--------------|
| 22228CDKE4C3 |
|--------------|

#### Boundary Dimensions

|          |     |    |                   |
|----------|-----|----|-------------------|
| d        | 140 | mm | Bore diameter     |
| D        | 250 | mm | Outside diameter  |
| B        | 68  | mm | Width             |
| r (min.) | 3   | mm | Chamfer dimension |

#### Basic Load Ratings

|     |        |   |                           |
|-----|--------|---|---------------------------|
| Cr  | 645000 | N | Basic dynamic load rating |
| C0r | 930000 | N | Basic static load rating  |

#### Speeds

|                                 |      |       |  |
|---------------------------------|------|-------|--|
| Thermal Speed Rating (Oil-bath) | 2400 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312 |
| Grease                          | 1400 | min-1 | Grease lubrication   |
| Oil (Oil-bath)                  | 1700 | min-1 | Oil-bath lubrication   |

#### Abutment and Fillet Dimensions

|           |     |    |                                   |
|-----------|-----|----|-----------------------------------|
| da (min.) | 154 | mm | Diameter of shaft abutment        |
| da (max.) | 167 | mm | Diameter of shaft abutment        |
| Da (min.) | 219 | mm | Diameter of housing abutment      |
| Da (max.) | 236 | mm | Diameter of housing abutment      |
| ra (max.) | 2.5 | mm | Radius of shaft or housing fillet |

#### Calculation factors

|    |      |                    |
|----|------|--------------------|
| e  | 0.25 | Constant           |
| Y2 | 4    | Axial load Factors |
| Y3 | 2.7  | Axial load Factors |
| Y0 | 2.6  | Axial load Factors |

#### Mass

|              |      |    |              |
|--------------|------|----|--------------|
| Mass approx. | 14.5 | kg | Mass approx. |
|--------------|------|----|--------------|

#### Associated products

|                   |         |                   |
|-------------------|---------|-------------------|
| Adapter           | H3128   | Adapter           |
| Withdrawal sleeve | AHX3128 | Withdrawal sleeve |

