



# PRODUCT DATASHEET

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## 7310BEAT85

### Single-Row Angular Contact Ball Bearings

#### Boundary Dimensions

|           |     |    |                   |
|-----------|-----|----|-------------------|
| d         | 50  | mm | Bore diameter     |
| D         | 110 | mm | Outside diameter  |
| B         | 27  | mm | Width             |
| r (min.)  | 2   | mm | Chamfer dimension |
| r1 (min.) | 1   | mm | Chamfer dimension |

#### Basic Load Ratings

|     |       |   |                           |
|-----|-------|---|---------------------------|
| Cr  | 82000 | N | Basic dynamic load rating |
| C0r | 50500 | N | Basic static load rating  |

#### Speeds

|                |      |       |                      |
|----------------|------|-------|----------------------|
| Grease         | 5600 | min-1 | Grease lubrication   |
| Oil (Oil-bath) | 8000 | min-1 | Oil-bath lubrication |

#### Dimensions

|   |      |    |                       |
|---|------|----|-----------------------|
| a | 47.1 | mm | Effective load center |
|---|------|----|-----------------------|

#### Abutment and Fillet Dimensions

|           |     |    |                                   |
|-----------|-----|----|-----------------------------------|
| da (min.) | 60  | mm | Diameter of shaft abutment        |
| Da (max.) | 100 | mm | Diameter of housing abutment      |
| ra (max.) | 2   | mm | Radius of shaft or housing fillet |

#### Mass

|              |      |    |              |
|--------------|------|----|--------------|
| Mass approx. | 1.07 | kg | Mass approx. |
|--------------|------|----|--------------|

