



# PRODUCT DATASHEET

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## 6003ZZ

### Single-Row Deep Groove Ball Bearings

#### Parts Number

|          |
|----------|
| 6003ZZC3 |
|----------|

#### Boundary Dimensions

|          |     |    |                   |
|----------|-----|----|-------------------|
| d        | 17  | mm | Bore diameter     |
| D        | 35  | mm | Outside diameter  |
| B        | 10  | mm | Width             |
| r (min.) | 0.3 | mm | Chamfer dimension |

#### Basic Load Ratings

|     |      |   |                           |
|-----|------|---|---------------------------|
| Cr  | 6600 | N | Basic dynamic load rating |
| C0r | 3250 | N | Basic static load rating  |

#### Speeds

|        |       |       |                    |
|--------|-------|-------|--------------------|
| Grease | 24000 | min-1 | Grease lubrication |
|--------|-------|-------|--------------------|

#### Abutment and Fillet Dimensions

|           |      |    |   |
|-----------|------|----|---|
| da (min.) | 19   | mm | Diameter of shaft abutment                                |
| da (max.) | 21.5 | mm | Diameter of shaft abutment                                |
| Da (max.) | 33   | mm | Diameter of housing abutment                              |
| ra (max.) | 0.3  | mm | Radius of shaft or housing fillet                         |
| Dx (min.) | 0    | mm | Diameter of snap ring recess in the housing               |
| Cy (max.) | 0    | mm | Distance from outer ring side face to snap ring back face |

#### Calculation factors

|    |      |        |
|----|------|--------|
| fo | 14.4 | Factor |
|----|------|--------|

#### Additional information

|    |       |                 |               |
|----|-------|-----------------|---------------|
| z  | 10    | Number of Balls |               |
| Dw | 4.762 | mm              | Ball Diameter |

#### Mass

|              |       |    |              |
|--------------|-------|----|--------------|
| Mass approx. | 0.041 | kg | Mass approx. |
|--------------|-------|----|--------------|

