



# PRODUCT DATASHEET

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## 6305DDU

### Single-Row Deep Groove Ball Bearings

#### Parts Number

|           |
|-----------|
| 6305DDUC3 |
|-----------|

#### Boundary Dimensions

|          |     |    |                   |
|----------|-----|----|-------------------|
| d        | 25  | mm | Bore diameter     |
| D        | 62  | mm | Outside diameter  |
| B        | 17  | mm | Width             |
| r (min.) | 1.1 | mm | Chamfer dimension |

#### Basic Load Ratings

|     |       |   |                           |
|-----|-------|---|---------------------------|
| Cr  | 22600 | N | Basic dynamic load rating |
| C0r | 11200 | N | Basic static load rating  |

#### Speeds

|        |      |       |                    |
|--------|------|-------|--------------------|
| Grease | 8000 | min-1 | Grease lubrication |
|--------|------|-------|--------------------|

#### Abutment and Fillet Dimensions

|           |      |    |                                                           |
|-----------|------|----|-----------------------------------------------------------|
| da (min.) | 31.5 | mm | Diameter of shaft abutment                                |
| da (max.) | 36   | mm | Diameter of shaft abutment                                |
| Da (max.) | 55.5 | mm | Diameter of housing abutment                              |
| ra (max.) | 1    | 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 | 13.2 | Factor |
|----|------|--------|

#### Additional information

|    |        |                 |               |
|----|--------|-----------------|---------------|
| z  | 8      | Number of Balls |               |
| Dw | 10.319 | mm              | Ball Diameter |

#### Mass

|              |       |    |              |
|--------------|-------|----|--------------|
| Mass approx. | 0.235 | kg | Mass approx. |
|--------------|-------|----|--------------|

