



# PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 8:20 (UTC)



## 6301DDU

### Single-Row Deep Groove Ball Bearings

#### Boundary Dimensions

|          |    |    |                   |
|----------|----|----|-------------------|
| d        | 12 | mm | Bore diameter     |
| D        | 37 | mm | Outside diameter  |
| B        | 12 | mm | Width             |
| r (min.) | 1  | mm | Chamfer dimension |

#### Basic Load Ratings

|     |       |   |                           |
|-----|-------|---|---------------------------|
| Cr  | 10700 | N | Basic dynamic load rating |
| C0r | 4200  | N | Basic static load rating  |

#### Speeds

|        |       |       |                    |
|--------|-------|-------|--------------------|
| Grease | 16000 | min-1 | Grease lubrication |
|--------|-------|-------|--------------------|

#### Abutment and Fillet Dimensions

|           |    |    |                                   |
|-----------|----|----|-----------------------------------|
| da (min.) | 17 | mm | Diameter of shaft abutment        |
| da (max.) | 18 | mm | Diameter of shaft abutment        |
| Da (max.) | 32 | mm | Diameter of housing abutment      |
| ra (max.) | 1  | mm | Radius of shaft or housing fillet |

#### Calculation factors

|    |      |  |        |
|----|------|--|--------|
| fo | 11.1 |  | Factor |
|----|------|--|--------|

#### Additional information

|    |       |    |                 |
|----|-------|----|-----------------|
| z  | 6     |    | Number of Balls |
| Dw | 7.938 | mm | Ball Diameter   |

#### Mass

|              |      |    |              |
|--------------|------|----|--------------|
| Mass approx. | 0.06 | kg | Mass approx. |
|--------------|------|----|--------------|

