



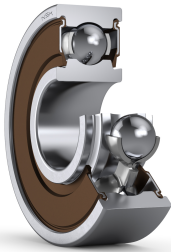
# PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 8:11 (UTC)



## 607DD

Extra Small Ball Bearings and Miniature Ball Bearings Metric Series



### Boundary Dimensions

|           |     |    |                   |
|-----------|-----|----|-------------------|
| d         | 7   | mm | Bore diameter     |
| D         | 19  | mm | Outside diameter  |
| B         | 6   | mm | Width             |
| r1 (min.) | 0.3 | mm | Chamfer dimension |

### Basic Load Ratings

|     |      |   |                           |
|-----|------|---|---------------------------|
| Cr  | 2570 | N | Basic dynamic load rating |
| C0r | 885  | N | Basic static load rating  |

### Speeds

|        |       |       |                    |
|--------|-------|-------|--------------------|
| Grease | 32000 | min-1 | Grease lubrication |
|--------|-------|-------|--------------------|

### Abutment and Fillet Dimensions

|           |      |    |                                   |
|-----------|------|----|-----------------------------------|
| db (max.) | 9.1  | mm | Diameter of shaft abutment        |
| Db (max.) | 16.5 | mm | Diameter of housing abutment      |
| rb (max.) | 0.3  | mm | Radius of shaft or housing fillet |

### Additional information

|    |     |    |                 |
|----|-----|----|-----------------|
| z  | 6   |    | Number of Balls |
| Dw | 3.5 | mm | Ball Diameter   |

### Mass

|              |         |    |              |
|--------------|---------|----|--------------|
| Mass approx. | 0.00751 | kg | Mass approx. |
|--------------|---------|----|--------------|

