



6205

Single-Row Deep Groove Ball Bearings



Boundary Dimensions

|          |    |    |                   |
|----------|----|----|-------------------|
| d        | 25 | mm | Bore diameter     |
| D        | 52 | mm | Outside diameter  |
| B        | 15 | mm | Width             |
| r (min.) | 1  | mm | Chamfer dimension |

Basic Load Ratings

|     |       |   |                           |
|-----|-------|---|---------------------------|
| Cr  | 15400 | N | Basic dynamic load rating |
| C0r | 7850  | N | Basic static load rating  |

Speeds

|                |       |       |                      |
|----------------|-------|-------|----------------------|
| Grease         | 15000 | min-1 | Grease lubrication   |
| Oil (Oil-bath) | 18000 | min-1 | Oil-bath lubrication |

Abutment and Fillet Dimensions

|           |    |    |                                   |
|-----------|----|----|-----------------------------------|
| da (min.) | 30 | mm | Diameter of shaft abutment        |
| da (max.) | 32 | mm | Diameter of shaft abutment        |
| Da (max.) | 47 | mm | Diameter of housing abutment      |
| ra (max.) | 1  | mm | Radius of shaft or housing fillet |

Calculation factors

|    |      |  |        |
|----|------|--|--------|
| fo | 13.9 |  | Factor |
|----|------|--|--------|

Additional information

|    |       |    |                 |
|----|-------|----|-----------------|
| z  | 9     |    | Number of Balls |
| Dw | 7.938 | mm | Ball Diameter   |

Mass

|              |       |    |              |
|--------------|-------|----|--------------|
| Mass approx. | 0.129 | kg | Mass approx. |
|--------------|-------|----|--------------|

