



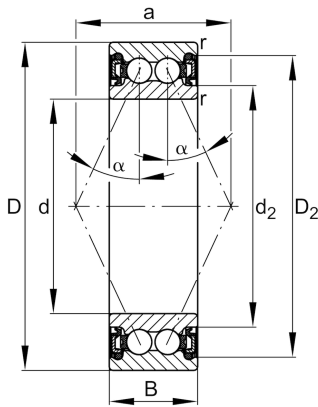
## 3007-2Z

Angular contact ball bearing

Schaeffler ID:  
0008752100000

Angular contact ball bearing 30..-B-2RZ-TVH, double row, shields, plastic cage

### Technical information



### Main Dimensions & Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 35 mm       | Bore diameter                     |
| D           | 62 mm       | Outside diameter                  |
| B           | 20 mm       | Width                             |
| $C_r$       | 24.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 19.100 N    | Basic static load rating, radial  |
| $C_{ur}$    | 1.000 N     | Fatigue load limit, radial        |
| $n_G$       | 8.800 1/min | Limiting speed                    |
| $n_{gr}$    | 8.800 1/min | Reference speed                   |
| $\approx m$ | 0,217 kg    | Weight                            |

### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 39,6 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 57,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum fillet radius                |

### Dimensions

|            |         |   |
|------------|---------|---|
| $r_{\min}$ | 1 mm    | Minimum chamfer dimension                         |
| $D_2$      | 55,3 mm | Caliber diameter outer ring                       |
| $d_2$      | 40,5 mm | Caliber diameter inner ring                       |
| a          | 30,9 mm | Distance between the apexes of the pressure cones |
| $\alpha$   | 25 °    | Contact angle                                     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

