



FAG

32007-XDY-XL-P5

Tapered roller bearing

Schaeffler ID:  
0925364840000

Tapered roller bearing

Technical information

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 62 mm        | Outside diameter                  |
| B               | 18 mm        | Width, inner ring                 |
| C               | 14 mm        | Width, outer ring                 |
| T               | 18 mm        | Width, total                      |
| C <sub>r</sub>  | 49,500 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 53,000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 8,300 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 14,100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7,100 1/min  | Thermal speed rating              |
|                 | 226 g        | Weight                            |

Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a max</sub> | 40 mm | Maximum diameter of shaft shoulder   |
| d <sub>b min</sub> | 41 mm | Minimum diameter of shaft shoulder   |
| D <sub>a max</sub> | 56 mm | Maximum diameter of housing shoulder |
| C <sub>a min</sub> | 4 mm  | Minimum axial space                  |
| C <sub>b min</sub> | 4 mm  | Minimum axial space                  |
| r <sub>a max</sub> | 1 mm  | Maximum fillet radius of shaft       |

Dimensions

|                       |         |                                                   |
|-----------------------|---------|---------------------------------------------------|
| r <sub>1, 2 min</sub> | 1 mm    | Minimum chamfer dimension of inner ring back face |
| r <sub>3, 4 min</sub> | 1 mm    | Minimum chamfer dimension of outer ring back face |
| a                     | 15 mm   | Distance between the apexes of the pressure cones |
| d <sub>1</sub>        | 50.3 mm | Guidance rib diameter of inner ring               |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                     |
|----------------|------|-------------------------------------------------------------------------------------|
| e              | 0.45 | Limiting value of Fa/Fr for the applicability of<br>diff. Values of factors X and Y |
| Y              | 1.32 | Dynamic axial load factor                                                           |
| Y <sub>0</sub> | 0.73 | Static axial load factor                                                            |

Additional information

|         |                                                     |
|---------|-----------------------------------------------------|
| T4CC035 | Comparative designation to ISO 10317 and ISO<br>355 |
|---------|-----------------------------------------------------|