

**EGB5020-E40** **Bush**

Metal/polymer composite plain bush,  
maintenance-free, ISO 3547, with steel  
backing

## Technical information

**Your current product variant**

|                        |                  |                                    |
|------------------------|------------------|------------------------------------|
| Maintenance            | Maintenance free |                                    |
| Sealing                | Without          | Not sealed                         |
| Material sliding Layer | E40              | Maintenance-free sliding layer E40 |
| Material back          | Steel            |                                    |

**Main Dimensions & Performance Data**

|             |           |                                   |
|-------------|-----------|-----------------------------------|
| $D_i$       | 50 mm     | Inner diameter                    |
| $D_o$       | 55 mm     | Outer diameter                    |
| B           | 20 mm     | Width                             |
| $C_r$       | 140.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 250.000 N | Basic static load rating, radial  |
| $\approx m$ | 60,8 g    | Weight                            |



## Dimensions

|                    |          |                                   |
|--------------------|----------|-----------------------------------|
| f                  | 20 °     | Chamfer angle outside diameter    |
| f                  | 1,8 mm   | Outer chamfer                     |
| F <sub>i min</sub> | -0,2 mm  | Inner edge break, min.            |
| F <sub>i max</sub> | -1 mm    | Inner edge break, max.            |
| D <sub>i OT</sub>  | 0,095 mm | Inner diameter, upper tolerance   |
| D <sub>o OT</sub>  | 0,1 mm   | Outside diameter, upper tolerance |
| D <sub>i UT</sub>  | 0,005 mm | Inner diameter, lower tolerance   |
| D <sub>o UT</sub>  | 0,055 mm | Outside diameter, lower tolerance |
| s <sub>3</sub>     | 2,5 mm   | Wall thickness                    |
| s <sub>3 OT</sub>  | 0,005 mm | Wall thickness, upper tolerance   |
| s <sub>3 UT</sub>  | -0,04 mm | Wall thickness, lower tolerance   |
| B <sub>UT</sub>    | -0,25 mm | Width, lower tolerance            |
| B <sub>OT</sub>    | 0,25 mm  | Width, upper tolerance            |
| f <sub>OT</sub>    | 0,6 mm   | Outer chamfer, upper tolerance    |
| f <sub>UT</sub>    | -0,6 mm  | Outer chamfer, lower tolerance    |
| F <sub>i</sub>     | 0,2 mm   | Inner edge break                  |

## Temperature range

|                  |         |                            |
|------------------|---------|----------------------------|
| T <sub>min</sub> | -200 °C | Operating temperature min. |
| T <sub>max</sub> | 280 °C  | Operating temperature max. |

## Characteristics



Radial load



Lifetime lubrication, freedom from maintenance



Not sealed



Small design envelope