

**EGB1820-E40**

## Bush

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



## Technical information

**Your current product variant**

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

**Main Dimensions & Performance Data**

D <sub>i</sub>	18 mm	Inner diameter
D <sub>o</sub>	20 mm	Outer diameter
B	20 mm	Width
C <sub>r</sub>	50.400 N	Basic dynamic load rating, radial
C <sub>0r</sub>	90.000 N	Basic static load rating, radial
≈m	8,24 g	Weight



## Dimensions

f	20 °	Chamfer angle outside diameter
F <sub>iUT</sub>	0,1 mm	Inner edge break, lower tolerance
F <sub>iOT</sub>	0,6 mm	Inner edge break, upper tolerance
f	0,6 mm	Outer chamfer
F <sub>i min</sub>	0,1 mm	Inner edge break, min.
F <sub>i max</sub>	0,6 mm	Inner edge break, max.
D <sub>iOT</sub>	0,051 mm	Inner diameter, upper tolerance
D <sub>oOT</sub>	0,075 mm	Outside diameter, upper tolerance
D <sub>iUT</sub>	0,001 mm	Inner diameter, lower tolerance
D <sub>oUT</sub>	0,035 mm	Outside diameter, lower tolerance
s <sub>3</sub>	1 mm	Wall thickness
s <sub>3OT</sub>	0,005 mm	Wall thickness, upper tolerance
s <sub>3UT</sub>	-0,02 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>	0,4 mm	Outer chamfer, upper tolerance
f <sub>UT</sub>	-0,4 mm	Outer chamfer, lower tolerance
F <sub>i</sub>	0,1 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