

**EGB10050-E50** **Bush**

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



Technical information

**Your current product variant**

Maintenance	Low-maintenance	
Sealing	Without	Not sealed
Material sliding Layer	E50	Low-maintenance sliding layer with lubrication pockets E50
Material back	Steel	

Main Dimensions & Performance Data

D_i	100 mm	Inner diameter
D_o	105 mm	Outer diameter
B	50 mm	Width
C_r	350.000 N	Basic dynamic load rating, radial
C_{0r}	700.000 N	Basic static load rating, radial
m	250 g	Weight



Dimensions

f	20 °	Chamfer angle outside diameter
d _L	6 mm	Diameter lubrication hole
f	1,8 mm	Outer chamfer
F _{i min}	0,2 mm	Inner edge break, min.
F _{i max}	1 mm	Inner edge break, max.
D _{i OT}	0,188 mm	Inner diameter, upper tolerance
D _{o OT}	0,12 mm	Outside diameter, upper tolerance
D _{i UT}	0,098 mm	Inner diameter, lower tolerance
D _{o UT}	0,07 mm	Outside diameter, lower tolerance
s ₃	2,5 mm	Wall thickness
s _{3 OT}	-0,01 mm	Wall thickness, upper tolerance
s _{3 UT}	-0,06 mm	Wall thickness, lower tolerance
B _{UT}	-0,25 mm	Width, lower tolerance
B _{OT}	0,25 mm	Width, upper tolerance
f _{OT}	0,6 mm	Outer chamfer, upper tolerance
f _{UT}	-0,6 mm	Outer chamfer, lower tolerance
F _i	0,2 mm	Inner edge break

Temperature range

T _{min}	-40 °C	Operating temperature min.
T _{max}	110 °C	Operating temperature max.

Characteristics

	Radial load
	Grease Lubrication
	Not sealed
	Small design envelope