

**EGB85100-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	85 mm	Inner diameter
D_o	90 mm	Outer diameter
B	100 mm	Width
C_r	1.190.000 N	Basic dynamic load rating, radial
C_{0r}	2.130.000 N	Basic static load rating, radial
$\approx m$	0,517 kg	Weight



Dimensions

f	20 °	Chamfer angle outside diameter
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.
$D_{i\ OT}$	0,138 mm	Inner diameter, upper tolerance
$D_{o\ OT}$	0,12 mm	Outside diameter, upper tolerance
$D_{i\ UT}$	0,038 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}	-200 °C	Operating temperature min.
T_{max}	280 °C	Operating temperature max.

Characteristics



Radial load



Lifetime lubrication, freedom from maintenance



Not sealed



Small design envelope