

# FBJ GEG10E plain bearings

What is FBJ GEG10E plain bearings in mechanical engineering?  
Manufacturing Service . Upload your CAD 28x12x8 Size (mm) 12  
Outer Diameter (mm) file for an instant.

Size (mm)	28x12x8
Bore Diameter (mm)	28
Outer Diameter (mm)	12
Width (mm)	8
d	12 mm
D	28 mm
B	8 mm
d1	17.5 mm
d2	16.5 mm
D2	24.35 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	8.8 mm
da – min.	14 mm
da – max.	17.1 mm
db – min.	14 mm
db – max.	16.1 mm
Da – max.	26 mm
Db – max.	26.6 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
Basic dynamic load rating – C	3.1 kN
Basic static load rating – C0	1.3 kN

Fatigue load limit – Pu	0.054 kN
Limiting speed for grease lubrication	88000 r/min
Ball – Dw	3.969 mm
Ball – z	12
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	28 N
Preload class B – GB	85 N
Preload class C – GC	170 N
Calculation factor – f	1.02
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1.01
Preload class A	37 N/micron
Preload class B	56 N/micron
Preload class C	73 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm
da min.	14 mm
da max.	17.1 mm
db min.	14 mm
db max.	16.1 mm
Da max.	26 mm
Db max.	26.6 mm

ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	3.07 kN
Basic static load rating C0	1.27 kN
Fatigue load limit Pu	0.054 kN
Attainable speed for grease lubrication	88000 r/min
Ball diameter Dw	3.969 mm
Number of balls z	12
Preload class A GA	28 N
Static axial stiffness, preload class A	37 N/μm
Preload class B GB	85 N
Static axial stiffness, preload class B	56 N/μm
Preload class C GC	170 N
Static axial stiffness, preload class C	73 N/μm
Calculation factor f	1.02
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76

Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.019 kg