

# AST GEC560HCS plain bearings

What is 75x45x16 Size (mm) 45 Outer Diameter (mm) the best place to buy AST GEC560HCS plain bearings online? Manufacturing Service . 75 Bore Diameter (mm)

Size (mm)	75x45x16
Bore Diameter (mm)	75
Outer Diameter (mm)	45
Width (mm)	16
d	45 mm
D	75 mm
B	16 mm
d1	55.7 mm
d2	53.6 mm
D1	64.25 mm
b	1.4 mm
C1	5 mm
C2	3 mm
C3	3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	22.2 mm
da – min.	49.6 mm
db – min.	49.6 mm
Da – max.	70.4 mm
Db – max.	70.8 mm
ra – max.	1 mm
rb – max.	0.6 mm

dn	57.6 mm
Basic dynamic load rating – C	12.1 kN
Basic static load rating – C0	8.2 kN
Fatigue load limit – Pu	0.345 kN
Limiting speed for grease lubrication	29000 r/min
Limiting speed for oil lubrication	45000 mm/min
Ball – Dw	7.144 mm
Ball – z	21
Gref	3.4 cm <sup>3</sup>
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	110 N
Preload class B – GB	330 N
Preload class C – GC	660 N
Calculation factor – f	1.06
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	104 N/micron
Preload class B	156 N/micron
Preload class C	204 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	49.6 mm

db min.	49.6 mm
Da max.	70.4 mm
Db max.	70.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	12.1 kN
Basic static load rating C0	8.15 kN
Fatigue load limit Pu	0.345 kN
Attainable speed for grease lubrication	29000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	21
Reference grease quantity Gref	3.4 cm <sup>3</sup>
Preload class A GA	110 N
Static axial stiffness, preload class A	104 N/μm
Preload class B GB	330 N
Static axial stiffness, preload class B	156 N/μm
Preload class C GC	660 N
Static axial stiffness, preload class C	204 N/μm
Calculation factor f	1.06
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	0.22 kg