NTN SC08A92 deep groove ball bearings

What is NTN SC08A92 deep groove ball bearings in 55x30x13 Size (mm) mechanical engineering? Manufacturing 30 Outer Diameter (mm) Service . Upload your CAD file for an instant.

Size (mm)	55x30x13
Bore Diameter (mm)	55
Outer Diameter (mm)	30
Width (mm)	13
d	30 mm
D	55 mm
B	13 mm
d1	38.2 mm
d2	36.4 mm
D1	45.81 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	16.4 mm
da – min.	34.6 mm
db – min.	34.6 mm
Da – max.	50.4 mm
Db – max.	50.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	39.9 mm
Basic dynamic load rating – C	8.8 kN
Basic static load rating – C0	5 kN

Fatigue load limit – Pu	0.212 kN
Limiting speed for grease lubrication	35000 r/min
Limiting speed for oil lubrication	54000 mm/min
Ball – Dw	6.35 mm
Ball – z	17
Gref	1.7 cm3
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	80 N
Preload class B – GB	240 N
Preload class C – GC	480 N
Calculation factor – f	1.05
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1
Preload class A	71 N/micron
Preload class B	105 N/micron
Preload class C	138 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	34.6 mm
db min.	34.6 mm
Da max.	50.4 mm
Db max.	50.8 mm

ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	8.84 kN
Basic static load rating C0	5 kN
Fatigue load limit Pu	0.212 kN
Attainable speed for grease lubrication	35000 r/min
Attainable speed for oil-air lubrication	54000 r/min
Ball diameter Dw	6.35 mm
Number of balls z	17
Reference grease quantity Gref	1.7 cm^3
Preload class A GA	80 N
Static axial stiffness, preload class A	71 N/µm
Preload class B GB	240 N
Static axial stiffness, preload class B	105 N/µm
Preload class C GC	480 N
Static axial stiffness, preload class C	138 N/µm
Calculation factor f	1.05
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1
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	0.11 kg