

IKO NATA 5911 complex bearings

IKO NATA 5911 complex bearings Needs Analysis , 85 Outer Diameter (mm) 110x85x13 Size (mm) Manufacturing Service . Get 110 Bore Diameter (mm) Your Free.

Size (mm)	110x85x13
Bore Diameter (mm)	110
Outer Diameter (mm)	85
Width (mm)	13
d	85 mm
D	110 mm
B	13 mm
d1	93.2 mm
d2	93.2 mm
D1	102.1 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	29.3 mm
da – min.	89.6 mm
db – min.	89.6 mm
Da – max.	105.4 mm
Db – max.	108 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	94.1 mm
Basic dynamic load rating – C	20.3 kN
Basic static load rating – C0	24 kN

Fatigue load limit – Pu	1 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	19000 mm/min
Ball – Dw	7.144 mm
Ball – z	30
Gref	2.7 cm ³
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	183 N
Preload class B – GB	550 N
Preload class C – GC	1100 N
Calculation factor – f	1.31
Calculation factor – f1	0.97
Calculation factor – f2A	1
Calculation factor – f2B	1.09
Calculation factor – f2C	1.17
Calculation factor – fHC	1.02
Preload class A	209 N/micron
Preload class B	328 N/micron
Preload class C	451 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	89.6 mm
db min.	89.6 mm
Da max.	105.4 mm
Db max.	108 mm

ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating C0	24 kN
Fatigue load limit Pu	1.02 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	30
Reference grease quantity Gref	2.7 cm ³
Preload class A GA	183 N
Static axial stiffness, preload class A	209 N/μm
Preload class B GB	550 N
Static axial stiffness, preload class B	328 N/μm
Preload class C GC	1100 N
Static axial stiffness, preload class C	451 N/μm
Calculation factor f	1.31
Calculation factor f1	0.97
Calculation factor f2A	1
Calculation factor f2B	1.09
Calculation factor f2C	1.17
Calculation factor fHC	1.02
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	0.24 kg