

KOYO 6340 deep groove ball bearings

KOYO 6340 deep groove ball bearings, Units and Housings
120x85x18 Size (mm) 85 Outer Diameter (mm) CAD models ,
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Size (mm)	120x85x18
Bore Diameter (mm)	120
Outer Diameter (mm)	85
Width (mm)	18
d	85 mm
D	120 mm
B	18 mm
d1	96 mm
d2	92.9 mm
D2	112.3 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	34.1 mm
da – min.	91 mm
da – max.	95.4 mm
db – min.	88.2 mm
db – max.	92.3 mm
Da – max.	114 mm
Db – max.	116.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
Basic dynamic load rating – C	28.1 kN

Basic static load rating – C0	22 kN
Fatigue load limit – Pu	0.9 kN
Limiting speed for grease lubrication	16500 r/min
Ball – Dw	11.112 mm
Ball – z	23
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	255 N
Preload class B – GB	765 N
Preload class C – GC	1529 N
Calculation factor – f	1.16
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	175 N/micron
Preload class B	263 N/micron
Preload class C	346 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	91 mm
da max.	95.4 mm
db min.	88.2 mm
db max.	92.3 mm
Da max.	114 mm

Db max.	116.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	28.1 kN
Basic static load rating C0	22 kN
Fatigue load limit Pu	0.9 kN
Attainable speed for grease lubrication	16500 r/min
Ball diameter Dw	11.112 mm
Number of balls z	23
Preload class A GA	255 N
Static axial stiffness, preload class A	175 N/ μ m
Preload class B GB	765 N
Static axial stiffness, preload class B	263 N/ μ m
Preload class C GC	1529 N
Static axial stiffness, preload class C	346 N/ μ m
Calculation factor f	1.16
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.08
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	0.44 kg