

# IKO KTV 141816,5 EG needle roller bearings

Advance IKO KTV 141816,5 EG needle roller bearings 120 Bore Diameter (mm) is your source 85 Outer Diameter (mm) for quality and accessories. shop online for 120x85x18 Size (mm) home delivery or pick up in one of our 10000 .

Size (mm)	120x85x18
Bore Diameter (mm)	120
Outer Diameter (mm)	85
Width (mm)	18
d	85 mm
D	120 mm
B	18 mm
d1	98.2 mm
d2	96.7 mm
D2	110.2 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	36.3 mm
da – min.	91 mm
da – max.	97.5 mm
db – min.	91 mm
db – max.	96 mm
Da – max.	114 mm
Db – max.	116.8 mm
ra – max.	1 mm
rb – max.	0.6 mm

Basic dynamic load rating – C	15.3 kN
Basic static load rating – C0	15.3 kN
Fatigue load limit – Pu	0.64 kN
Limiting speed for grease lubrication	16000 r/min
Ball – Dw	6.747 mm
Ball – z	37
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	93 N
Preload class B – GB	185 N
Preload class C – GC	560 N
Calculation factor – f	1.11
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	151 N/micron
Preload class B	195 N/micron
Preload class C	296 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	91 mm
da max.	97.5 mm
db min.	91 mm
db max.	96 mm

Da max.	114 mm
Db max.	116.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating C0	24.5 kN
Fatigue load limit Pu	0.64 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter Dw	6.747 mm
Number of balls z	37
Preload class A GA	93 N
Static axial stiffness, preload class A	151 N/μm
Preload class B GB	185 N
Static axial stiffness, preload class B	195 N/μm
Preload class C GC	560 N
Static axial stiffness, preload class C	296 N/μm
Calculation factor f	1.11
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02
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	0.56 kg