

# ISB NU 1014 cylindrical roller bearings

LET OUR ISB NU 1014 cylindrical roller bearings EXPERTS GET 17 Outer Diameter (mm) YOU THE PARTS 35x17x10 Size (mm) YOU NEED.

Size (mm)	35x17x10
Bore Diameter (mm)	35
Outer Diameter (mm)	17
Width (mm)	10
d	17 mm
D	35 mm
B	10 mm
d1	22.7 mm
d2	21.1 mm
D1	29.3 mm
K	0.5 mm
C1	6.05 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	11.2 mm
da – min.	19 mm
db – min.	19 mm
Da – max.	33 mm
Db – max.	33.6 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	24.1 mm
Basic dynamic load rating – C	5.6 kN

Basic static load rating – C0	2.4 kN
Fatigue load limit – Pu	0.104 kN
Limiting speed for grease lubrication	56000 r/min
Limiting speed for oil lubrication	88000 mm/min
Ball – Dw	5.556 mm
Ball – z	12
Gref	0.68 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	50 N
Preload class B – GB	150 N
Preload class C – GC	300 N
Calculation factor – f	1.04
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	46 N/micron
Preload class B	68 N/micron
Preload class C	89 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm
da min.	19 mm
db min.	19 mm
Da max.	33 mm

Db max.	33.6 mm
ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	5.59 kN
Basic static load rating C0	2.45 kN
Fatigue load limit Pu	0.104 kN
Attainable speed for grease lubrication	56000 r/min
Attainable speed for oil-air lubrication	88000 r/min
Ball diameter Dw	5.556 mm
Number of balls z	12
Reference grease quantity Gref	0.68 cm <sup>3</sup>
Preload class A GA	50 N
Static axial stiffness, preload class A	46 N/μm
Preload class B GB	150 N
Static axial stiffness, preload class B	68 N/μm
Preload class C GC	300 N
Static axial stiffness, preload class C	89 N/μm
Calculation factor f	1.04
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	0.035 kg