

# ISO HK1610 cylindrical roller bearings

What is the best place to buy ISO HK1610 cylindrical roller bearings online? 62x35x14 Size (mm) Manufacturing 35 Outer Diameter (mm) Service .

Size (mm)	62x35x14
Bore Diameter (mm)	62
Outer Diameter (mm)	35
Width (mm)	14
d	35 mm
D	62 mm
B	14 mm
d1	43.7 mm
d2	41.6 mm
D1	52.25 mm
K	0.5 mm
C1	4.52 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	18.4 mm
da – min.	39.6 mm
db – min.	39.6 mm
Da – max.	57.4 mm
Db – max.	57.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	45.6 mm

Basic dynamic load rating – C	11.1 kN
Basic static load rating – C0	6.3 kN
Fatigue load limit – Pu	0.265 kN
Limiting speed for grease lubrication	31000 r/min
Limiting speed for oil lubrication	46000 mm/min
Ball – Dw	7.144 mm
Ball – z	17
Gref	2.4 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	100 N
Preload class B – GB	300 N
Preload class C – GC	590 N
Calculation factor – f	1.06
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	79 N/micron
Preload class B	119 N/micron
Preload class C	154 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	39.6 mm
db min.	39.6 mm

Da max.	57.4 mm
Db max.	57.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	11.1 kN
Basic static load rating C0	6.3 kN
Fatigue load limit Pu	0.265 kN
Attainable speed for grease lubrication	31000 r/min
Attainable speed for oil-air lubrication	46000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	17
Reference grease quantity Gref	2.4 cm <sup>3</sup>
Preload class A GA	100 N
Static axial stiffness, preload class A	79 N/μm
Preload class B GB	300 N
Static axial stiffness, preload class B	119 N/μm
Preload class C GC	590 N
Static axial stiffness, preload class C	154 N/μm
Calculation factor f	1.06
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	0.15 kg