ISB 248/1800 K spherical roller bearings

are a few brands you will find in our inventory. Find ISB 248/1800 K spherical roller bearings to 250x140x42 Size (mm) see what’s in stock!

Size (mm)	250x140x42
Bore Diameter (mm)	250
Outer Diameter (mm)	140
Width (mm)	42
d	140 mm
D	250 mm
B	42 mm
d1	176.8 mm
d2	176.8 mm
D1	213.2 mm
r1,2 – min.	3 mm
r3,4 – min.	1.5 mm
a	47.3 mm
da – min.	154 mm
db – min.	154 mm
Da – max.	236 mm
Db – max.	241 mm
ra – max.	2.5 mm
rb – max.	1.5 mm
dn	184.8 mm
Basic dynamic load rating – C	221 kN
Basic static load rating – C0	240 kN

Fatigue load limit – Pu	7.4 kN
Limiting speed for grease lubrication	7000 r/min
Limiting speed for oil lubrication	10000 mm/min
Ball – Dw	30.162 mm
Ball – z	18
Gref	83.931 cm3
Calculation factor – f0	15.2
Preload class A – GA	850 N
Preload class B – GB	1700 N
Preload class C – GC	3400 N
Preload class D – GD	6800 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.01
Calculation factor – f2C	1.03
Calculation factor – f2D	1.06
Calculation factor – fHC	1.01
Preload class A	181 N/micron
Preload class B	245 N/micron
Preload class C	339 N/micron
Preload class D	485 N/micron
r1,2 min.	3 mm
r3,4 min.	1.5 mm
da min.	154 mm
db min.	154 mm
Da max.	236 mm
Db max.	241 mm
ra max.	2.5 mm
rb max.	1.5 mm

Basic dynamic load rating C	221 kN
Basic static load rating C0	240 kN
Fatigue load limit Pu	7.35 kN
Attainable speed for grease lubrication	7000 r/min
Attainable speed for oil-air lubrication	10000 r/min
Ball diameter Dw	30.162 mm
Number of balls z	18
Reference grease quantity Gref	83.931 cm³
Preload class A GA	850 N
Static axial stiffness, preload class A	181 N/µm
Preload class B GB	1700 N
Static axial stiffness, preload class B	245 N/µm
Preload class C GC	3400 N
Static axial stiffness, preload class C	339 N/µm
Preload class D GD	6800 N
Static axial stiffness, preload class D	485 N/µm
Calculation factor f	1.09
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.01
Calculation factor f2C	1.03
Calculation factor f2D	1.06
Calculation factor fHC	1.01
Calculation factor f0	15.2
Mass bearing	6.92 kg