



SKF C 2215 K

CARB toroidal roller bearing with tapered bore (1:12)

CARB toroidal roller bearings are unique: as well as accommodating misalignment without increased stress levels, they also provide frictionless axial movement within the bearing in the non-locating position in self-aligning bearing arrangements. Being SKF Explorer bearings, they can accommodate higher load levels and provide significantly extended service life.

Technical specifications

General	
Bore type	Tapered 1:12
Dimensions	
Bore diameter	75 mm
Outside diameter	130 mm
Width	31 mm
Shoulder diameter of inner ring	88.5 mm
Shoulder or recess diameter of outer ring	116 mm
Permissible axial displacement	9.6 mm
Chamfer dimension	1.5 mm
Abutment dimensions	
Diameter of housing abutment	106 mm
Abutment diameter housing	121 mm
Minimum width of space required in housing	1.2 mm
Radius of fillet	1.5 mm
	A negative value for C _a is theoretical.
Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	196 kN
Basic static load rating	208 kN
Fatigue load limit	24 kN
Reference speed	4800 r/min
Limiting speed	6700 r/min
Misalignment factor	0.1
Internal clearance factor	0.13
Performance	
Basic dynamic load rating	196 kN
Basic static load rating	208 kN
Reference speed	4800 r/min
Limiting speed	6700 r/min
SKF performance class	SKF Explorer
Properties	
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Tapered 1:12
Cage	Sheet metal
Radial internal clearance	CN
Tolerance class	Normal
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	5.5 kg CO ₂ e

Logistics	
Product net weight	1.53 kg
eClass code	23-05-09-13
UNSPSC code	31171505

SKF drawings

