



SKF C 6910 V

Full complement CARB toroidal roller bearing

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. This full complement bearing, which has a lower speed rating, uses as many rollers as possible, giving it the highest possible load rating.

Technical specifications

General	
Bore type	Cylindrical

Dimensions	
Bore diameter	50 mm
Outside diameter	72 mm
Width	40 mm
Shoulder diameter of inner ring	57.5 mm
Shoulder or recess diameter of outer ring	65 mm
Permissible axial displacement	9.4 mm
Permissible axial displacement	6.4 mm
Chamfer dimension	0.6 mm

Abutment dimensions	
Diameter of shaft abutment	53.2 mm
Diameter of shaft abutment	61 mm
Abutment diameter housing	68.8 mm
Radius of fillet	0.6 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	140 kN
Basic static load rating	224 kN
Fatigue load limit	26 kN
Limiting speed	2400 r/min
Misalignment factor	0.09
Internal clearance factor	0.11

Performance	
Basic dynamic load rating	140 kN
Basic static load rating	224 kN
Limiting speed	2400 r/min
SKF performance class	SKF Explorer

Properties	
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Without
Radial internal clearance	CN
Tolerance class	Normal
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	1.9 kg CO ₂

Logistics	
Product net weight	0.523 kg

eClass code	23-05-09-13
UNSPSC code	31171505

SKF drawings

