



SKF 305803 C-2Z

Cam roller (yoke-type track roller) with crowned outside surface, integral sealing

These cam rollers (yoke-type track rollers) are designed to run on all types of tracks and to be used in cam drives, conveyor systems, etc. They are based on double row angular contact ball bearings. They have a thick-walled outer ring with a crowned running surface prevents edge stresses under skewing. They are supplied greased, sealed and ready-to-mount. A lubrication hole in the inner ring facilitates relubrication.

Technical specifications

Dimensions	
Outside diameter	47 mm
Bore diameter	17 mm
Width	17.5 mm
Shoulder/recess diameter inner ring	23.3 mm
Recess diameter outer ring	35 mm
Profile running surface (crown) outer ring	400 mm
Chamfer dimension	0.6 mm
Distance pressure points	23 mm
Functional outside diameter	47 mm

Calculation data	
Basic dynamic load rating	13.8 kN
Basic static load rating	7.65 kN
Fatigue load limit	0.325 kN
Maximum dynamic radial load	9.3 kN
Maximum static radial load	13.4 kN
Limiting speed	16000 r/min

Performance	
Basic dynamic load rating	13.8 kN
Basic static load rating	7.65 kN
Limiting speed	16000 r/min

Properties	
Bearing part	Complete track roller
Rolling elements	Balls
Number of rows	2
Outer ring profile	Crowned
Axial guidance of outer ring	Yes
Number of flanges, outer ring	0
Cage	With
Axial internal clearance	Normal
Tolerance class	Normal (except crowned running surface)
Material, bearing	Bearing steel
Coating	Without
Sealing	Shield on both sides
Sealing type	Non-contact
Lubricant	Grease
Relubrication feature	With

Logistics	
Product net weight	0.161 kg
eClass code	23-05-08-03
UNSPSC code	31171531

SKF drawings