



SKF 305807 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	80 mm
Bore diameter	35 mm
Width	27 mm
Shoulder/recess diameter inner ring	45.4 mm
Recess diameter outer ring	63.9 mm
Profile running surface (crown) outer ring	400 mm
Chamfer dimension	1.1 mm
Distance pressure points	42 mm
Functional outside diameter	80 mm

Calculation data	
Basic dynamic load rating	34.5 kN
Basic static load rating	21.6 kN
Fatigue load limit	1 kN
Maximum dynamic radial load	15.6 kN
Maximum static radial load	22.4 kN
Limiting speed	8500 r/min

Performance	
Basic dynamic load rating	34.5 kN
Basic static load rating	21.6 kN
Limiting speed	8500 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	0.64 kg
eClass code	23-05-08-03
UNSPSC code	31171531

SKF drawings

