



SKF RSTO 10

Support roller (yoke-type track roller), without flange rings and inner ring

Support 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 a single row needle roller bearing without an inner ring, intended for applications where hardened and ground raceways can be provided on the pin or shaft. They have a thick-walled outer ring with a crowned running surface and are supplied ready-to-mount. The outer ring and the needle roller and cage assembly can be mounted separately.

Technical specifications

Dimensions	
Outside diameter	30 mm
Diameter under rollers	14 mm
Width	11.8 mm
Raceway diameter outer ring	20 mm
Chamfer dimension outer ring	0.3 mm
Functional outside diameter	30 mm
Bore diameter	14 mm
Width, total	11.8 mm
Width, outer ring	11.8 mm

Calculation data	
Basic dynamic load rating	8.25 kN
Basic static load rating	8.8 kN
Fatigue load limit	1.04 kN
Maximum dynamic radial load	8.5 kN
Maximum static radial load	12.2 kN
Limiting speed	6000 r/min

Performance	
Basic dynamic load rating	8.25 kN
Basic static load rating	8.8 kN
Limiting speed	6000 r/min

Properties	
Bearing part	Track roller without inner ring
Rolling elements	Needle rollers
Number of rows	1
Outer ring profile	Crowned
Axial guidance of outer ring	No
Number of flanges, outer ring	0
Cage	With
Radial internal clearance	Not applicable
Tolerance class	Other
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	Grease
Relubrication feature	Without

Logistics	
Product net weight	0.042 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

