



SKF STO 20

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

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 with an inner ring. They have a thick-walled outer ring with a crowned running surface and are supplied ready-to-mount. The inner ring contains a lubrication hole to facilitate relubrication. The outer ring, the inner ring and the needle roller and cage assembly can be mounted separately.

Technical specifications

Dimensions	
Outside diameter	47 mm
Bore diameter	20 mm
Width outer ring	15.8 mm
Width inner ring	16 mm
Raceway diameter outer ring	32 mm
Raceway diameter inner ring	25 mm
Chamfer dimension outer ring	0.3 mm
Chamfer dimension inner ring	0.3 mm
Functional outside diameter	47 mm
Width, total	16 mm
Width, outer ring	15.8 mm

Calculation data	
Basic dynamic load rating	16.1 kN
Basic static load rating	21.2 kN
Fatigue load limit	2.5 kN
Maximum dynamic radial load	18.6 kN
Maximum static radial load	26.5 kN
Limiting speed	4000 r/min

Performance	
Basic dynamic load rating	16.1 kN
Basic static load rating	21.2 kN
Limiting speed	4000 r/min

Properties	
Bearing part	Complete track roller
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	CN
Tolerance class	Other
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	Grease
Relubrication feature	With

Logistics	
Product net weight	0.152 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

