

## STO 10

Popular item

Support rollers, without flange rings, with an inner ring

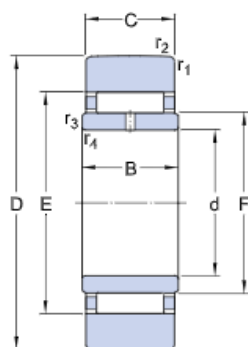
Bearing data

[Tolerances](#),  
Normal, Other,  
[Radial internal clearance](#),  
table

Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification



### DIMENSIONS

D	30 mm
d	10 mm
C	11.8 mm
B	12 mm
E	20 mm
F	14 mm
$r_{1,2}$	min. 0.3 mm
$r_{3,4}$	min. 0.3 mm

### CALCULATION DATA

Basic dynamic load rating	C	8.25 kN
Basic static load rating	$C_0$	8.8 kN
Fatigue load limit	$P_u$	1.04 kN
Maximum dynamic radial load	$F_r$	max. 8.5 kN
Maximum static radial load	$F_{0r}$	max. 12.2 kN
Limiting speed		6 000 r/min

### MASS

Mass support roller

0.049 kg

## More information

## Product details

[Designs and variants](#)[Lubrication](#)[Support roller data](#)[Loads](#)[Temperature limits](#)[Speed limits](#)[Design considerations](#)[Mounting](#)[Designation system](#)

## Engineering information

[Principles of rolling bearing selection](#)[General bearing knowledge](#)[Bearing selection process](#)[Bearing interfaces](#)[Lubrication](#)[External sealing, mounting and dismounting](#)[Bearing failure and how to prevent it](#)

## Tools

[Bearing Select](#)[Engineering Calculator](#)[SimPro Quick](#)[LubeSelect for SKF greases](#)[Heater selection tool](#)

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