

STO 10 X

Support rollers, without flange rings, with an inner ring

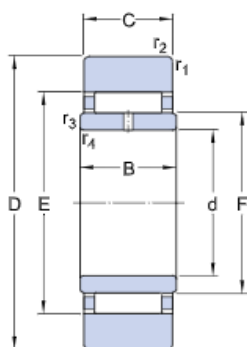
Bearing data

[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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