

STO 25 X

Support rollers, without flange rings, with an inner ring

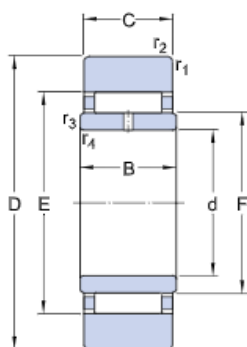
Bearing data

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

Bearing interfaces

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

Technical specification



DIMENSIONS

| | |
|-----------|-------------|
| D | 52 mm |
| d | 25 mm |
| C | 15.8 mm |
| B | 16 mm |
| E | 37 mm |
| F | 30 mm |
| $r_{1,2}$ | min. 0.3 mm |
| $r_{3,4}$ | min. 0.3 mm |

CALCULATION DATA

| | | |
|-----------------------------|----------|-------------|
| Basic dynamic load rating | C | 16.5 kN |
| Basic static load rating | C_0 | 22.8 kN |
| Fatigue load limit | P_u | 2.7 kN |
| Maximum dynamic radial load | F_r | max. 18 kN |
| Maximum static radial load | F_{0r} | max. 26 kN |
| Limiting speed | | 3 400 r/min |

MASS

Mass support roller

0.18 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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