

NUTR 45100 A

Popular item

Support rollers, with flange rings, with an inner ring

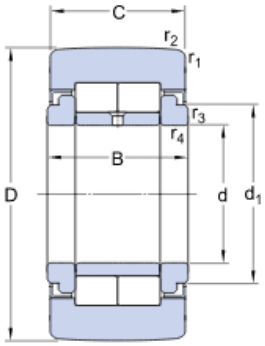
Bearing data

Tolerances,
Normal, Other,
Radial internal clearance,
table

Bearing interfaces

Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

D	100 mm
d	45 mm
C	30 mm
B	32 mm
d_1	55.2 mm
$r_{1,2}$	min. 1.1 mm
$r_{3,4}$	min. 0.6 mm

CALCULATION DATA

Basic dynamic load rating	C	73.7 kN
Basic static load rating	C_0	104 kN
Fatigue load limit	P_u	12.7 kN
Maximum dynamic radial loads	F_r	max. 80 kN
Maximum static radial loads	F_{0r}	max. 114 kN
Limiting speed		1700 r/min

MASS

Mass support roller	1.4 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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