

81109 TN

Popular item

Cylindrical roller thrust bearings

Bearing data, Design considerations

Tolerances,

table, table, values,

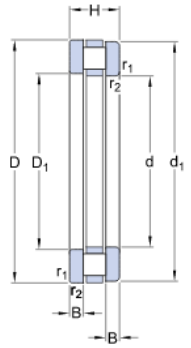
Design considerations,

table

Bearing interfaces

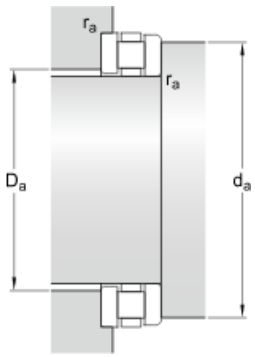
Seat tolerances for standard conditions

Technical specification



DIMENSIONS

d	45 mm
D	65 mm
H	14 mm
d_1	65 mm
D_1	47 mm
B	4 mm
$r_{1,2}$	min. 0.6 mm



ABUTMENT DIMENSIONS

d_a	min. 63 mm
D_a	max. 47 mm
r_a	max. 0.6 mm

CALCULATION DATA

Basic dynamic load rating	C	45 kN
Basic static load rating	C_0	153 kN
Fatigue load limit	P_u	15.3 kN
Reference speed		2200 r/min
Limiting speed		4500 r/min
Minimum axial load factor	A	0.00187

MASS

Mass bearing	0.13 kg

INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81109 TN
Shaft washer	WS 81109
Housing washer	GS 81109

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- SimPro Quick
- Bearing Select
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool

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