

81111 TN

Popular item

Cylindrical roller thrust bearings

Bearing data, Design considerations

Tolerances,

table, table, values,

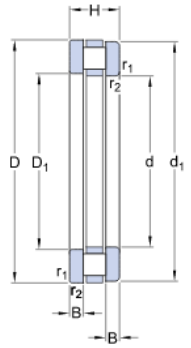
Design considerations,

table

Bearing interfaces

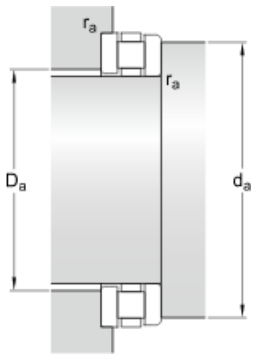
Seat tolerances for standard conditions

Technical specification



DIMENSIONS

d	55 mm
D	78 mm
H	16 mm
d_1	78 mm
D_1	57 mm
B	5 mm
$r_{1,2}$	min. 0.6 mm



ABUTMENT DIMENSIONS

d_a	min. 77 mm
D_a	max. 56 mm
r_a	max. 0.6 mm

CALCULATION DATA

Basic dynamic load rating	C	69.5 kN
Basic static load rating	C_0	285 kN
Fatigue load limit	P_u	29 kN
Reference speed		1900 r/min
Limiting speed		3800 r/min
Minimum axial load factor	A	0.0065

MASS

Mass bearing	0.23 kg

INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81111 TN
Shaft washer	WS 81111
Housing washer	GS 81111

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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