



# 81111 TN

Popular item

## Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

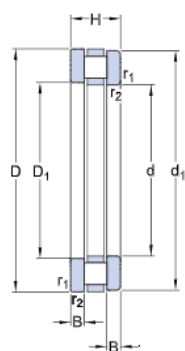
[Design considerations,](#)

table

Bearing interfaces

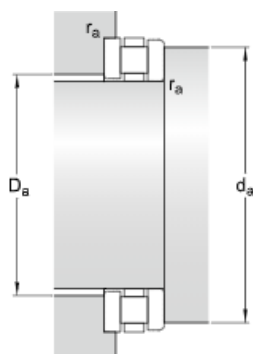
[Seat tolerances for standard conditions](#)

## Technical specification



### DIMENSIONS

d	55 mm
D	78 mm
H	16 mm
d <sub>1</sub>	78 mm
D <sub>1</sub>	57 mm
B	5 mm
r <sub>1,2</sub>	min. 0.6 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 77 mm
D <sub>a</sub>	max. 56 mm
r <sub>a</sub>	max. 0.6 mm

## CALCULATION DATA

Basic dynamic load rating	C	69.5 kN
Basic static load rating	C <sub>0</sub>	285 kN
Fatigue load limit	P <sub>u</sub>	29 kN
Reference speed		1 900 r/min
Limiting speed		3 800 r/min
Minimum axial load factor	A	0.007

## MASS

Mass bearing	0.23 kg
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## INCLUDED PRODUCTS

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

## More information

<p>Product details</p> <p><a href="#">Designs and variants</a></p> <hr/> <p><a href="#">Bearing data</a></p> <hr/> <p><a href="#">Loads</a></p> <hr/> <p><a href="#">Temperature limits</a></p> <hr/> <p><a href="#">Permissible speed</a></p> <hr/> <p><a href="#">Design considerations</a></p> <hr/> <p><a href="#">Designation system</a></p> <hr/>	<p>Engineering information</p> <p><a href="#">Principles of rolling bearing selection</a></p> <hr/> <p><a href="#">General bearing knowledge</a></p> <hr/> <p><a href="#">Bearing selection process</a></p> <hr/> <p><a href="#">Bearing failure and how to prevent it</a></p> <hr/>	<p>Tools</p> <p><a href="#">SimPro Quick</a></p> <hr/> <p><a href="#">Bearing Select</a></p> <hr/> <p><a href="#">Engineering Calculator</a></p> <hr/> <p><a href="#">LubeSelect for SKF greases</a></p> <hr/> <p><a href="#">Heater selection tool</a></p> <hr/>
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