



81107 TN

Popular item

Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

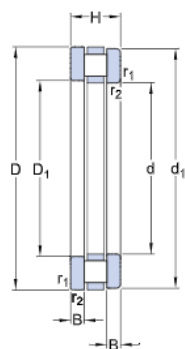
[Design considerations,](#)

table

Bearing interfaces

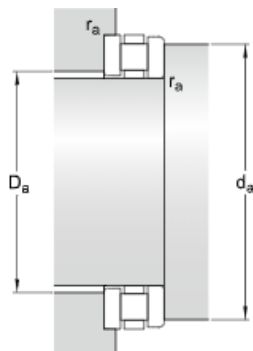
[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	35 mm
D	52 mm
H	12 mm
d ₁	52 mm
D ₁	37 mm
B	3.5 mm
r _{1,2}	min. 0.6 mm



ABUTMENT DIMENSIONS

d _a	min. 51 mm
D _a	max. 36 mm
r _a	max. 0.6 mm

CALCULATION DATA

Basic dynamic load rating	C	29 kN
Basic static load rating	C ₀	93 kN
Fatigue load limit	P _u	9.15 kN
Reference speed		2 800 r/min
Limiting speed		5 600 r/min
Minimum axial load factor	A	0.001

MASS

Mass bearing	0.073 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81107 TN
Shaft washer	WS 81107
Housing washer	GS 81107

More information

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