



81107 TN

- Popular item

Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

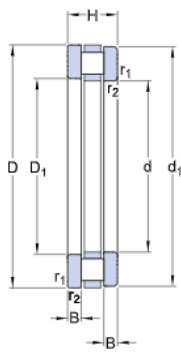
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification

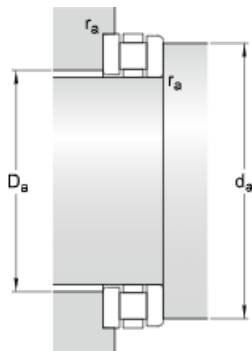


DIMENSIONS

d	35 mm	Bore diameter
D	52 mm	Outside diameter
H	12 mm	Nominal height
d1	52 mm	Outside diameter shaft washer
D1	37 mm	Bore diameter housing washer
B	3.5 mm	Height shaft washer
r1,2	min.0.6 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.51 mm	Abutment diameter shaft
Da	max.36 mm	Abutment diameter housing
ra	max.0.6 mm	Fillet radius



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

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

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