

K 81110 TN

Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

[table, table, values,](#)

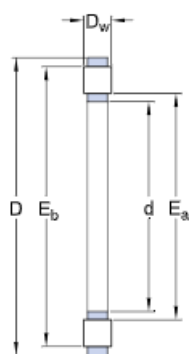
[Design considerations,](#)

[table](#)

Bearing interfaces

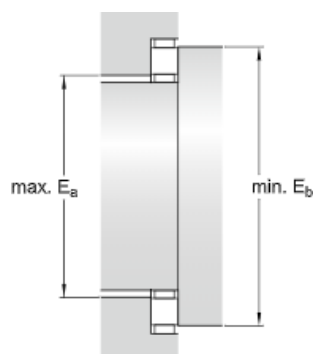
[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	50 mm
D	70 mm
D _w	6 mm
E _a	52 mm
E _b	68 mm



CALCULATION DATA

Basic dynamic load rating	C	47.5 kN
Basic static load rating	C ₀	166 kN
Fatigue load limit	P _u	16.6 kN
Reference speed		2 200 r/min
Limiting speed		4 300 r/min
Minimum axial load factor	A	0.002

MASS

Mass roller and cage thrust assembly	0.038 kg
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ASSOCIATED PRODUCTS

Shaft washer	WS 81110
Housing washer	GS 81110
Universal washer	LS 5070

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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