

## K 81116 TN

### Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

[table, table, values,](#)

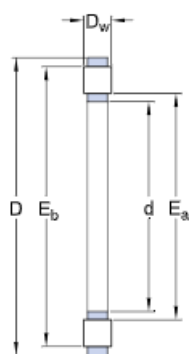
[Design considerations,](#)

[table](#)

Bearing interfaces

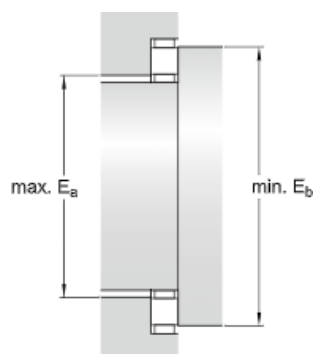
[Seat tolerances for standard conditions](#)

### Technical specification



#### DIMENSIONS

d	80 mm
D	105 mm
D <sub>w</sub>	7.5 mm
E <sub>a</sub>	83 mm
E <sub>b</sub>	102 mm



### CALCULATION DATA

Basic dynamic load rating	C	81.5 kN
Basic static load rating	C <sub>0</sub>	335 kN
Fatigue load limit	P <sub>u</sub>	34 kN
Reference speed		1 500 r/min
Limiting speed		3 000 r/min
Minimum axial load factor	A	0.009

## MASS

Mass roller and cage thrust assembly	0.095 kg
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## ASSOCIATED PRODUCTS

Shaft washer	WS 81116
Housing washer	GS 81116
Universal washer	LS 80105

## 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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