



# AXK 100135

- Popular item

## Needle roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, values,

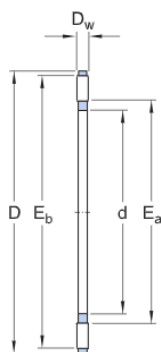
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

## Technical specification



### DIMENSIONS

d	100 mm	Bore diameter
D	135 mm	Outside diameter
D <sub>w</sub>	4 mm	Diameter roller
E <sub>a</sub>	min.105 mm	Raceway diameter (min.) roller and cage thrust assembly
E <sub>b</sub>	max.133 mm	Raceway diameter (max.) roller and cage thrust assembly

## CALCULATION DATA

Basic dynamic load rating	C	76.5 kN
Basic static load rating	C <sub>0</sub>	560 kN
Fatigue load limit	P <sub>u</sub>	65.5 kN
Reference speed		1 400 r/min
Limiting speed		2 800 r/min

## MASS

Mass roller and cage thrust assembly	0.1 kg
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## ASSOCIATED PRODUCTS

Universal washer	LS 100135
Thin universal washer	AS 100135
Shaft washer	WS 81120
Housing washer	GS 81120

## 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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