

**81103-TV** [↗](#)

## Axial cylindrical roller bearing

Axial cylindrical roller bearings 811, single direction, comprising K811, GS, WS



## Technical information



## Your current product variant

Cage	TV	Plastic Cage made from PA66
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## Main Dimensions &amp; Performance Data

d	17 mm	Bore diameter
T	9 mm	Height
C <sub>a</sub>	15.800 N	Basic dynamic load rating, axial
C <sub>0a</sub>	33.500 N	Basic static load rating, axial
C <sub>ua</sub>	4.700 N	Fatigue load limit, axial
n <sub>G</sub>	12.300 1/min	Limiting speed
n <sub>gr</sub>	5.400 1/min	Reference speed
D	30 mm	Outside diameter
m	23,6 g	Weight

## Mounting dimensions

d <sub>a min</sub>	29 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	18 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,3 mm	Maximum recess radius



### Dimensions

D <sub>1</sub>	18 mm	Bore diameter housing washer
d <sub>1</sub>	30 mm	Rip diameter shaft washer
r <sub>min</sub>	0,3 mm	Minimum chamfer dimension


### Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.

### Additional information

K81103-TV	Axial roller and cage assembly
GS81103	Housing Washer
WS81103	Shaft washer
LS1730	Track Washer

### Characteristics

	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed