

**81120-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
------	----	-----------------------------

## Main Dimensions &amp; Performance Data

d	100 mm	Bore diameter
T	25 mm	Height
C <sub>a</sub>	199.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	650.000 N	Basic static load rating, axial
C <sub>ua</sub>	60.000 N	Fatigue load limit, axial
n <sub>G</sub>	2.450 1/min	Limiting speed
n <sub>gr</sub>	920 1/min	Reference speed
D	135 mm	Outside diameter
m	0,902 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	131 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	104 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius



### Dimensions

D <sub>1</sub>	102 mm	Bore diameter housing washer
d <sub>1</sub>	135 mm	Rip diameter shaft washer
r <sub>min</sub>	1 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

K81120-TV	Axial roller and cage assembly
GS81120	Housing Washer
WS81120	Shaft washer
LS100135	Track Washer

### Characteristics

-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed