

**81107-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	35 mm	Bore diameter
T	12 mm	Height
C <sub>a</sub>	39.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	101.000 N	Basic static load rating, axial
C <sub>ua</sub>	9.600 N	Fatigue load limit, axial
n <sub>G</sub>	6.600 1/min	Limiting speed
n <sub>gr</sub>	2.600 1/min	Reference speed
D	52 mm	Outside diameter
≈m	74 g	Weight

## Mounting dimensions

d <sub>a min</sub>	51 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	36 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,6 mm	Maximum recess radius

## Dimensions

D <sub>1</sub>	37 mm	Bore diameter housing washer
d <sub>1</sub>	52 mm	Rip diameter shaft washer
r <sub>min</sub>	0,6 mm	Minimum chamfer dimension



### Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.

### Additional information

K81107-TV	Axial roller and cage assembly
GS81107	Housing Washer
WS81107	Shaft washer
LS3552	Track Washer

### Characteristics

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