

**81116-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 & Performance Data

d	80 mm	Bore diameter
T	19 mm	Height
C _a	106.000 N	Basic dynamic load rating, axial
C _{0a}	350.000 N	Basic static load rating, axial
C _{ua}	36.000 N	Fatigue load limit, axial
n _G	3.100 1/min	Limiting speed
n _{gr}	1.170 1/min	Reference speed
D	105 mm	Outside diameter
≈m	386,4 g	Weight

Mounting dimensions

d _{a min}	102 mm	Minimum diameter shaft shoulder
D _{a max}	83 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum recess radius

Dimensions

D ₁	82 mm	Bore diameter housing washer
d ₁	105 mm	Rip diameter shaft washer
r _{min}	1 mm	Minimum chamfer dimension



Temperature range

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

Additional information

K81116-TV	Axial roller and cage assembly
GS81116	Housing Washer
WS81116	Shaft washer
LS80105	Track Washer

Characteristics

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