

**81105-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 & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 25 mm | Bore diameter |
| T | 11 mm | Height |
| C _a | 33.000 N | Basic dynamic load rating, axial |
| C _{0a} | 76.000 N | Basic static load rating, axial |
| C _{ua} | 7.200 N | Fatigue load limit, axial |
| n _G | 8.600 1/min | Limiting speed |
| n _{gr} | 3.500 1/min | Reference speed |
| D | 42 mm | Outside diameter |
| ≈m | 51,6 g | Weight |

Mounting dimensions

| | | |
|--------------------|--------|--------------------------------------|
| d _{a min} | 41 mm | Minimum diameter shaft shoulder |
| D _{a max} | 26 mm | Maximum diameter of housing shoulder |
| r _{a max} | 0,6 mm | Maximum recess radius |

Dimensions

| | | |
|------------------|--------|------------------------------|
| D ₁ | 26 mm | Bore diameter housing washer |
| d ₁ | 42 mm | Rip diameter shaft washer |
| r _{min} | 0,6 mm | Minimum chamfer dimension |



Temperature range

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

Additional information

| | |
|-----------|--------------------------------|
| K81105-TV | Axial roller and cage assembly |
| GS81105 | Housing Washer |
| WS81105 | Shaft washer |
| LS2542 | Track Washer |

Characteristics

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