

**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 |
|------|----|-----------------------------|

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

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