

**811/500-M** [↗](#)

Axial cylindrical roller bearing

Axial cylindrical roller bearing 811..-M, single row

Technical information



Your current product variant

| | | |
|------|---|------------|
| Cage | M | Brass Cage |
|------|---|------------|

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 500 mm | Bore diameter |
| T | 80 mm | Height |
| C _a | 1.910.000 N | Basic dynamic load rating, axial |
| C _{0a} | 9.300.000 N | Basic static load rating, axial |
| C _{ua} | 700.000 N | Fatigue load limit, axial |
| n _G | 520 1/min | Limiting speed |
| n _{gr} | 163 1/min | Reference speed |
| D | 600 mm | Outside diameter |
| ≈m | 46,69 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|-----------------------|
| r _{a max} | 2,1 mm | Maximum recess radius |
|--------------------|--------|-----------------------|

Dimensions

| | | |
|------------------|--------|------------------------------|
| D ₁ | 505 mm | Bore diameter housing washer |
| d ₁ | 595 mm | Rip diameter shaft washer |
| r _{min} | 2,1 mm | Minimum chamfer dimension |



Temperature range

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

Additional information

| | |
|------------|--------------------------------|
| K811/500-M | Axial roller and cage assembly |
| GS811/500 | Housing Washer |
| WS811/500 | Shaft washer |

Characteristics

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