

**81196-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 | 480 mm | Bore diameter |
| T | 80 mm | Height |
| C _a | 1.860.000 N | Basic dynamic load rating, axial |
| C _{0a} | 8.900.000 N | Basic static load rating, axial |
| C _{ua} | 680.000 N | Fatigue load limit, axial |
| n _G | 540 1/min | Limiting speed |
| n _{gr} | 171 1/min | Reference speed |
| D | 580 mm | Outside diameter |
| m | 45,01 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|--------------------------------------|
| d _{a min} | 573 mm | Minimum diameter shaft shoulder |
| D _{a max} | 494 mm | Maximum diameter of housing shoulder |

Dimensions

| | | |
|------------------|--------|------------------------------|
| D ₁ | 484 mm | Bore diameter housing washer |
| d ₁ | 575 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

| | |
|----------|--------------------------------|
| K81196-M | Axial roller and cage assembly |
| GS81196 | Housing Washer |
| WS81196 | Shaft washer |

Characteristics

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