

**81240-M**

Axial cylindrical roller bearing

Axial cylindrical roller bearing 812...-M, single row

## Technical information



## Your current product variant

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

## Main Dimensions &amp; Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 200 mm      | Bore diameter                    |
| T               | 62 mm       | Height                           |
| C <sub>a</sub>  | 900.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 3.150.000 N | Basic static load rating, axial  |
| C <sub>ua</sub> | 300.000 N   | Fatigue load limit, axial        |
| n <sub>G</sub>  | 1.180 1/min | Limiting speed                   |
| n <sub>gr</sub> | 445 1/min   | Reference speed                  |
| D               | 280 mm      | Outside diameter                 |
| ≈m              | 12,614 kg   | Weight                           |

## Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 275 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 210 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2 mm   | Maximum recess radius                |

## Dimensions

|                  |        |                              |
|------------------|--------|------------------------------|
| D <sub>1</sub>   | 204 mm | Bore diameter housing washer |
| d <sub>1</sub>   | 277 mm | Rip diameter shaft washer    |
| r <sub>min</sub> | 2 mm   | Minimum chamfer dimension    |



### Temperature range

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

### Additional information

|          |                                |
|----------|--------------------------------|
| K81240-M | Axial roller and cage assembly |
| GS81240  | Housing Washer                 |
| WS81240  | Shaft washer                   |

### Characteristics

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