

**81180-M**

## Axial cylindrical roller bearing

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

## Technical information



## Your current product variant

Cage	M	Brass Cage
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## Main Dimensions &amp; Performance Data

d	400 mm	Bore diameter
T	65 mm	Height
C <sub>a</sub>	1.200.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	5.700.000 N	Basic static load rating, axial
C <sub>ua</sub>	445.000 N	Fatigue load limit, axial
n <sub>G</sub>	650 1/min	Limiting speed
n <sub>gr</sub>	224 1/min	Reference speed
D	480 mm	Outside diameter
≈m	26,58 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	474 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	414 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum recess radius

## Dimensions

D <sub>1</sub>	404 mm	Bore diameter housing washer
d <sub>1</sub>	476 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

K81180-M	Axial roller and cage assembly
GS81180	Housing Washer
WS81180	Shaft washer

### Characteristics

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