



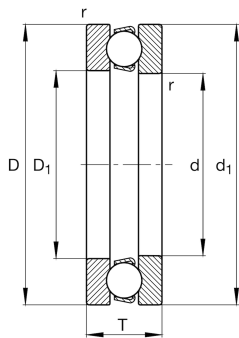
FAG

51196-MP [🔗](#)

Axial deep groove ball bearing

Axial deep groove ball bearing 511..-MP,  
single direction, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |    |                                          |
|----------------------------------|----|------------------------------------------|
| Cage                             | MP | Solid brass cage, rolling element guided |
| Tolerance class                  | PN | Normal (ISO 492:2023)                    |
| Dimensional / heat stabilization | S1 | Rings dimensional stabilized up to 200°  |

Main Dimensions & Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 480 mm      | Inner diameter shaft washer      |
| D               | 580 mm      | Outer diameter housing washer    |
| T               | 80 mm       | Height                           |
| C <sub>a</sub>  | 540.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 3.250.000 N | Basic static load rating, axial  |
| C <sub>ua</sub> | 64.000 N    | Fatigue load limit, axial        |
| n <sub>G</sub>  | 850 1/min   | Limiting speed                   |
| n <sub>gr</sub> | 660 1/min   | Reference speed                  |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 540 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 520 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,1 mm | Maximum filled radius                |



Dimensions

|                  |        |                               |
|------------------|--------|-------------------------------|
| r <sub>min</sub> | 2,1 mm | Minimum chamfer dimension     |
| D <sub>1</sub>   | 484 mm | Inner diameter housing washer |
| d <sub>1</sub>   | 575 mm | Outer diameter shaft washer   |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |

Calculation factors

|   |    |                     |
|---|----|---------------------|
| A | 54 | Minimum load factor |
|---|----|---------------------|

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|   | Obciążenie osiowe jednokierunkowe |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |
|  | Łożysko gabarytowe                |