



FAG

7236-B-MP-UO

Angular contact ball bearing

Angular contact ball bearing 72...-B-MP, single row, solid brass cage



Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |         |                                                  |
|------------------------------------------------------|---------|--------------------------------------------------|
| Design variant                                       | B       | B                                                |
| Type of Seal                                         | Without | Not sealed                                       |
| Cage                                                 | MP      | Solid brass cage, ball guided                    |
| Tolerance class                                      | PN      | Normal (ISO 492:2023)                            |
| Dimensional / heat stabilization                     | S1      | Rings dimensional stabilized up to 200°          |
| Bearing with matched conditions for fitting in pairs | UO      | Bearing set clearance-free in O or X arrangement |
| Lubricant                                            | Without | Bearing not greased                              |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 180 mm      | Bore diameter                     |
| D               | 320 mm      | Outside diameter                  |
| B               | 52 mm       | Width                             |
| C <sub>r</sub>  | 280.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 380.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 12.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.290 1/min | Reference speed                   |
| ≈m              | 18,1 kg     | Masa                              |



Mounting dimensions

|                     |        |                                      |
|---------------------|--------|--------------------------------------|
| d <sub>a min</sub>  | 197 mm | Minimum diameter of shaft shoulder   |
| D <sub>a max</sub>  | 303 mm | Maximum diameter of housing shoulder |
| D <sub>b max</sub>  | 311 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 3 mm   | Maximum fillet radius of shaft       |
| r <sub>a1 max</sub> | 1,5 mm | Maximum fillet radius of housing     |

Dimensions

|                    |           |                                                   |
|--------------------|-----------|---------------------------------------------------|
| r <sub>min</sub>   | 4 mm      | Minimum chamfer dimension                         |
| r <sub>1 min</sub> | 1,5 mm    | Minimum chamfer dimension                         |
| D <sub>1</sub>     | 265,8 mm  | Shoulder diameter on outer ring wide side face    |
| d <sub>1</sub>     | 237,44 mm | Shoulder diameter on inner ring wide side face    |
| a                  | 130,9 mm  | Distance between the apexes of the pressure cones |
| α                  | 40 °      | Contact angle                                     |

Temperature range

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

Additional information

|                  |       |                                                  |
|------------------|-------|--------------------------------------------------|
| Tol (+)          | 12 μm | Tolerance for axial clearance or preload per set |
| A <sub>min</sub> | 0 mm  | Axial clearance per set min.                     |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



łożysko gabarytowe