



FAG

71848-MP-P5-UL

Angular contact ball bearing

Angular contact ball bearing 718..-MP, single row, solid brass cage



Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |         |                                         |
|------------------------------------------------------|---------|-----------------------------------------|
| Sealing                                              | Without | Not sealed                              |
| Cage                                                 | MP      | Solid brass cage, ball guided           |
| Tolerance class                                      | P5      | Class 5 (ISO 492:2023)                  |
| Dimensional / heat stabilization                     | S1      | Rings dimensional stabilized up to 200° |
| Bearing with matched conditions for fitting in pairs | UL      | Bearing set with light preload          |
| Lubricant                                            | Without | Bearing not greased                     |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 240 mm      | Bore diameter                     |
| D               | 300 mm      | Outside diameter                  |
| B               | 28 mm       | Width                             |
| C <sub>r</sub>  | 120.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 180.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.300 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.150 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.820 1/min | Reference speed                   |
| m               | 4,28 kg     | Masa                              |



Mounting dimensions

|                     |          |                                      |
|---------------------|----------|--------------------------------------|
| d <sub>a min</sub>  | 248,8 mm | Minimum diameter of shaft shoulder   |
| D <sub>a max</sub>  | 291,2 mm | Maximum diameter of housing shoulder |
| D <sub>b max</sub>  | 295,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 2 mm     | Maximum fillet radius of shaft       |
| r <sub>a1 max</sub> | 1 mm     | Maximum fillet radius of housing     |

Dimensions

|                    |           |                                                   |
|--------------------|-----------|---------------------------------------------------|
| r <sub>min</sub>   | 2 mm      | Minimum chamfer dimension                         |
| r <sub>1 min</sub> | 1 mm      | Minimum chamfer dimension                         |
| D <sub>1</sub>     | 277,7 mm  | Shoulder diameter on outer ring wide side face    |
| d <sub>1</sub>     | 263,35 mm | Shoulder diameter on inner ring wide side face    |
| a                  | 91,9 mm   | Distance between the apexes of the pressure cones |
| α                  | 30 °      | Contact angle                                     |

Temperature range

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

Additional information

|                    |       |                                                  |
|--------------------|-------|--------------------------------------------------|
| V <sub>max</sub>   | -8 μm | Preload per set max.                             |
| Tol (+)            | 14 μm | Tolerance for axial clearance or preload per set |
| F <sub>V max</sub> | 923 N | Preload force                                    |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia