



FAG

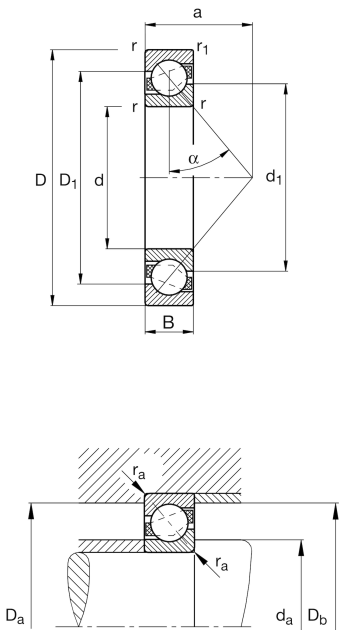
7244-B-MP-UA

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                                               |
| Sealing                                              | 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 | UA      | Bearing set with small axial internal clearance |
| Lubricant                                            | Without | Bearing not greased                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 220 mm      | Bore diameter                     |
| D               | 400 mm      | Outside diameter                  |
| B               | 65 mm       | Width                             |
| C <sub>r</sub>  | 370.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 570.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 17.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.480 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.790 1/min | Reference speed                   |
| ≈m              | 36,3 kg     | Masa                              |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 237 mm | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 383 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 391 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 3 mm   | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 1,5 mm | Maximum fillet radius of housing     |

### Dimensions

|              |          |                                                   |
|--------------|----------|---------------------------------------------------|
| $r_{\min}$   | 4 mm     | Minimum chamfer dimension                         |
| $r_{1 \min}$ | 1,5 mm   | Minimum chamfer dimension                         |
| $D_1$        | 329,5 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 294,5 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 162,6 mm | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °     | Contact angle                                     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

### Additional information

|            |            |                                                  |
|------------|------------|--------------------------------------------------|
| $Tol (+)$  | 16 $\mu m$ | Tolerance for axial clearance or preload per set |
| $A_{\min}$ | 100 mm     | Axial clearance per set min.                     |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



łożysko gabarytowe