



FAG

7222-B-XL-MP

Angular contact ball bearing

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



X-life

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 | S0      | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without | Bearing not greased                     |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 110 mm      | Bore diameter                     |
| D               | 200 mm      | Outside diameter                  |
| B               | 38 mm       | Width                             |
| C <sub>r</sub>  | 167.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 154.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 8.600 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.950 1/min | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 4,99 kg | Masa |
|----|---------|------|



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 122 mm | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 188 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 193 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2,1 mm | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 1 mm   | Maximum fillet radius of housing     |

### Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 2,1 mm   | Minimum chamfer dimension                         |
| $r_1 \min$ | 1,1 mm   | Minimum chamfer dimension                         |
| $D_1$      | 165,7 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$      | 144,9 mm | Shoulder diameter on inner ring wide side face    |
| $a$        | 84 mm    | Distance between the apexes of the pressure cones |
| $\alpha$   | 40 °     | Contact angle                                     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia