



FAG



X-life

7310-B-XL-MP

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-MP,  
single row, X-life, solid brass cage

Informacje techniczne

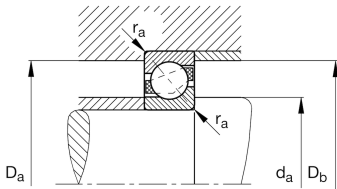
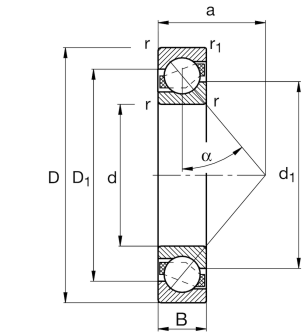
Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | B       | B                                       |
| Sealing                          | Without | Not sealed                              |
| Cage                             | MP      | Solid brass cage, ball guided           |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without | Bearing not greased                     |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 50 mm        | Bore diameter                     |
| D               | 110 mm       | Outside diameter                  |
| B               | 27 mm        | Width                             |
| C <sub>r</sub>  | 80.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 50.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.500 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.100 1/min  | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 1,19 kg | Masa |
|----|---------|------|





Mounting dimensions

|               |          |                                      |
|---------------|----------|--------------------------------------|
| $d_{a\ min}$  | 61 mm    | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 99 mm    | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 104,4 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 2 mm     | Maximum fillet radius of shaft       |
| $r_{a1\ max}$ | 1 mm     | Maximum fillet radius of housing     |

Dimensions

|              |         |                                                   |
|--------------|---------|---------------------------------------------------|
| $r_{\min}$   | 2 mm    | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 1 mm    | Minimum chamfer dimension                         |
| $D_1$        | 87,6 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 73,1 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 47,1 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                 |