



FAG

7308-B-XL-TVP-UO

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-TVP,  
single row, X-life, plastic cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |         |                                                         |
|------------------------------------------------------|---------|---------------------------------------------------------|
| Design variant                                       | B       | B                                                       |
| Sealing                                              | Without | Not sealed                                              |
| Cage                                                 | TVP     | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                                      | P6      | Class 6 (ISO 492:2023)                                  |
| Dimensional / heat stabilization                     | S0      | Rings dimensional stabilized up to 150°                 |
| 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               | 40 mm        | Bore diameter                     |
| D               | 90 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 57.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 34.500 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.390 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.100 1/min  | Reference speed                   |
| ≈m              | 0,62 kg      | Masa                              |



Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a\ min}$  | 49 mm   | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 81 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 84,4 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 1,5 mm  | Maximum fillet radius of shaft       |
| $r_{a1\ max}$ | 1 mm    | Maximum fillet radius of housing     |

Dimensions

|              |          |                                                   |
|--------------|----------|---------------------------------------------------|
| $r_{\min}$   | 1,5 mm   | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 1 mm     | Minimum chamfer dimension                         |
| $D_1$        | 71,28 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 59,99 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 38,8 mm  | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °     | Contact angle                                     |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

Additional information

|            |           |                                                  |
|------------|-----------|--------------------------------------------------|
| $Tol\ (+)$ | 8 $\mu m$ | Tolerance for axial clearance or preload per set |
| $A_{\min}$ | 0 mm      | Axial clearance per set min.                     |

Właściwości

|  |                                   |
|--|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Smarowanie olejem                 |
|  | Smarowanie smarem                 |
|  | Bez uszczelnienia                 |