





FAG

7324-B-XL-TVP-UA 

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                                      | 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               | 120 mm      | Bore diameter                     |
| D               | 260 mm      | Outside diameter                  |
| B               | 55 mm       | Width                             |
| C <sub>r</sub>  | 275.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 285.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 14.300 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.350 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.850 1/min | Reference speed                   |

|    |           |      |
|----|-----------|------|
| ≈m | 12,584 kg | Masa |
|----|-----------|------|



Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a\ min}$  | 134 mm | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 246 mm | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 253 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 2,5 mm | Maximum fillet radius of shaft       |
| $r_{a1\ max}$ | 1 mm   | Maximum fillet radius of housing     |

Dimensions

|              |           |                                                   |
|--------------|-----------|---------------------------------------------------|
| $r_{\ min}$  | 3 mm      | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 1,1 mm    | Minimum chamfer dimension                         |
| $D_1$        | 207,1 mm  | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 176,38 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 107,2 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 (+)     | 12 $\mu$ m | Tolerance for axial clearance or preload per set |
| $A_{\ min}$ | 58 mm      | Axial clearance per set min.                     |

Właściwości

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