



FAG



7312-B-XL-JP

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage

X-life

Informacje techniczne

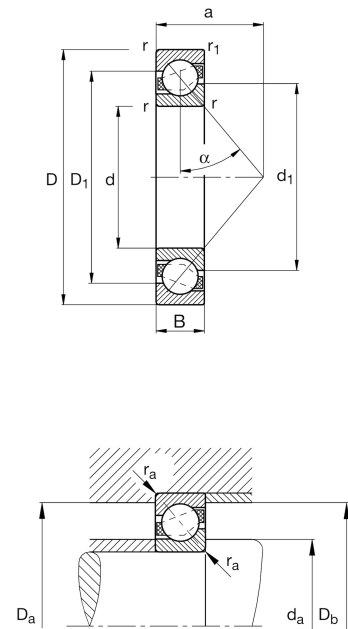
Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | B       | B                                       |
| Type of Seal                     | Without | Not sealed                              |
| Cage                             | JP      | Steel sheet metal                       |
| 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               | 60 mm       | Bore diameter                     |
| D               | 130 mm      | Outside diameter                  |
| B               | 31 mm       | Width                             |
| C <sub>r</sub>  | 96.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 69.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 4.750 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.300 1/min | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 1,75 kg | Masa |
|----|---------|------|





Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a\ min}$  | 72 mm  | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 118 mm | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 123 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                         |
| $D_1$        | 103,4 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 87,3 mm  | Shoulder diameter on inner ring wide side face    |
| $a$          | 55,4 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