



FAG



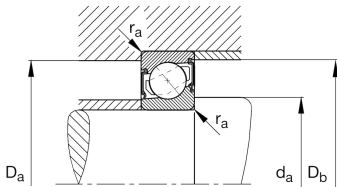
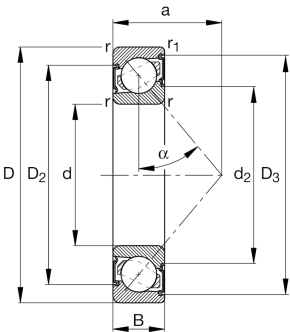
X-life

7312-B-XL-2RS-JP-L431

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-2RS-TVP, single row, X-life, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                         |
|----------------------------------|------|-----------------------------------------|
| Design variant                   | B    | B                                       |
| Type of Seal                     | 2RS  | Contact seal on both sides              |
| Cage                             | JP   | Steel sheet metal                       |
| Tolerance class                  | PN   | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0   | Rings dimensional stabilized up to 150° |
| Lubricant                        | L431 | Grease (L431/customer specific)         |

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>  | 3.150 1/min | Limiting speed                    |
| ≈m              | 1,803 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 2     | 106,86 mm | Caliber diameter on outer ring wide side face     |
| D 3     | 119,68 mm | Caliber diameter on outer ring small side face    |
| d 1     | 87,3 mm   | Shoulder diameter on inner ring wide side face    |
| d 2     | 83,1 mm   | Caliber diameter on inner ring wide side face     |
| a       | 55,4 mm   | Distance between the apexes of the pressure cones |
| α       | 40 °      | Contact angle                                     |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 100 °C | Operating temperature max. |

Właściwości

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | Obciążenie promieniowe              |
|  | Obciążenie osiowe jednokierunkowe   |
|  | Smarowanie dożywotnie, bezobsługowe |
|  | Smarowanie smarem                   |
|  | Uszczelnienie dwustronne            |