



FAG

7204-B-XL-2RS-TVP-UO

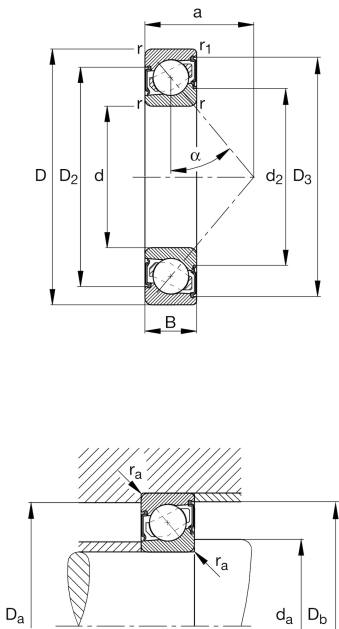
Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage



X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |      |                                                         |
|------------------------------------------------------|------|---------------------------------------------------------|
| Design variant                                       | B    | B                                                       |
| Type of Seal                                         | 2RS  | Contact seal on both sides                              |
| 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                                            | GA14 | Ball bearing grease, low noise                          |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 20 mm       | Bore diameter                     |
| D               | 47 mm       | Outside diameter                  |
| B               | 14 mm       | Width                             |
| C <sub>r</sub>  | 14.900 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 7.800 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 540 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.500 1/min | Limiting speed                    |
| m               | 0,11 kg     | Masa                              |



Mounting dimensions

|                     |         |                                      |
|---------------------|---------|--------------------------------------|
| d <sub>a min</sub>  | 25,6 mm | Minimum diameter of shaft shoulder   |
| D <sub>a max</sub>  | 41,4 mm | Maximum diameter of housing shoulder |
| D <sub>b max</sub>  | 42,8 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 1 mm    | Maximum fillet radius of shaft       |
| r <sub>a1 max</sub> | 0,6 mm  | Maximum fillet radius of housing     |

Dimensions

|                    |          |                                                   |
|--------------------|----------|---------------------------------------------------|
| r <sub>min</sub>   | 1 mm     | Minimum chamfer dimension                         |
| r <sub>1 min</sub> | 0,6 mm   | Minimum chamfer dimension                         |
| D <sub>1</sub>     | 37,04 mm | Shoulder diameter on outer ring wide side face    |
| D <sub>2</sub>     | 39,18 mm | Caliber diameter on outer ring wide side face     |
| D <sub>3</sub>     | 43,04 mm | Caliber diameter on outer ring small side face    |
| d <sub>1</sub>     | 30,54 mm | Shoulder diameter on inner ring wide side face    |
| d <sub>2</sub>     | 26,83 mm | Caliber diameter on inner ring wide side face     |
| a                  | 21,1 mm  | Distance between the apexes of the pressure cones |
| α                  | 40 °     | Contact angle                                     |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Additional information

|                  |      |                                                  |
|------------------|------|--------------------------------------------------|
| Tol (+)          | 8 μm | Tolerance for axial clearance or preload per set |
| A <sub>min</sub> | 0 mm | Axial clearance per set min.                     |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne