



FAG



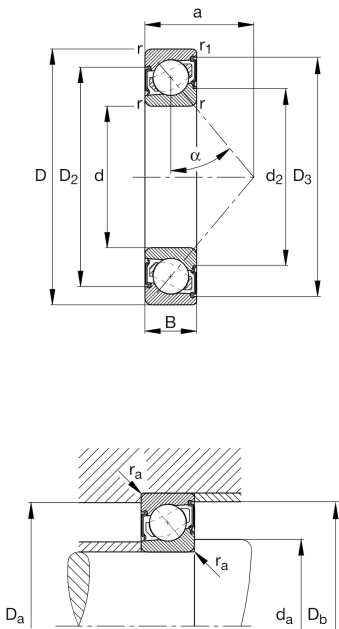
X-life

7304-B-XL-2RS-TVP-UL

Angular contact ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |      |                                                         |
|------------------------------------------------------|------|---------------------------------------------------------|
| Design variant                                       | B    | B                                                       |
| Sealing                                              | 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 | UL   | Bearing set with light preload                          |
| Lubricant                                            | GA14 | Ball bearing grease, low noise                          |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 20 mm       | Bore diameter                     |
| D               | 52 mm       | Outside diameter                  |
| B               | 15 mm       | Width                             |
| C <sub>r</sub>  | 21.700 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 11.100 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 770 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.600 1/min | Limiting speed                    |
| ≈m              | 143 g       | Masa                              |



Mounting dimensions

|          |         |                                      |
|----------|---------|--------------------------------------|
| d a min  | 27 mm   | Minimum diameter of shaft shoulder   |
| D a max  | 45 mm   | Maximum diameter of housing shoulder |
| D b max  | 47,8 mm | Maximum diameter of housing shoulder |
| r a max  | 1 mm    | Maximum fillet radius of shaft       |
| r a1 max | 0,6 mm  | Maximum fillet radius of housing     |

Dimensions

|         |          |                                                   |
|---------|----------|---------------------------------------------------|
| r min   | 1,1 mm   | Minimum chamfer dimension                         |
| r 1 min | 0,6 mm   | Minimum chamfer dimension                         |
| D 1     | 39,74 mm | Shoulder diameter on outer ring wide side face    |
| D 2     | 41,41 mm | Caliber diameter on outer ring wide side face     |
| D 3     | 47,09 mm | Caliber diameter on outer ring small side face    |
| d 1     | 33,04 mm | Shoulder diameter on inner ring wide side face    |
| d 2     | 29,98 mm | Caliber diameter on inner ring wide side face     |
| a       | 22,6 mm  | Distance between the apexes of the pressure cones |
| α       | 40 °     | Contact angle                                     |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -20 °C | Operating temperature min. |
| T max | 100 °C | Operating temperature max. |

Additional information

|         |       |                                                  |
|---------|-------|--------------------------------------------------|
| V max   | -6 μm | Preload per set max.                             |
| Tol (+) | 8 μm  | Tolerance for axial clearance or preload per set |
| F V max | 146 N | Preload force                                    |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne