



FAG



X-life

7308-B-XL-2RS-TVP-L237

Angular contact ball bearing

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

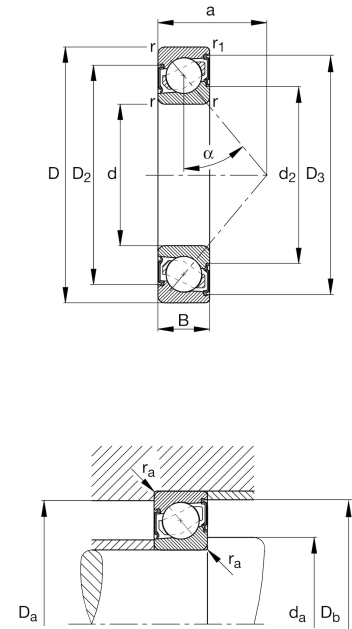
Informacje techniczne

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°                 |
| Lubricant                        | L237 | Grease (L237/customer specific)                         |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 40 mm       | Bore diameter                     |
| D               | 90 mm       | Outside diameter                  |
| B               | 23 mm       | Width                             |
| C <sub>r</sub>  | 57.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 34.500 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.390 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.650 1/min | Limiting speed                    |
| ≈m              | 0,631 kg    | Masa                              |





Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a\ min}$  | 49 mm   | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 81 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 84,4 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 1,5 mm  | Maximum fillet radius of shaft       |
| $r_{a1\ max}$ | 1 mm    | Maximum fillet radius of housing     |

Dimensions

|              |          |                                                   |
|--------------|----------|---------------------------------------------------|
| $r_{\min}$   | 1,5 mm   | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 1 mm     | Minimum chamfer dimension                         |
| $D_1$        | 71,28 mm | Shoulder diameter on outer ring wide side face    |
| $D_2$        | 73,88 mm | Caliber diameter on outer ring wide side face     |
| $D_3$        | 83,34 mm | Caliber diameter on outer ring small side face    |
| $d_1$        | 59,99 mm | Shoulder diameter on inner ring wide side face    |
| $d_2$        | 55,58 mm | Caliber diameter on inner ring wide side face     |
| $a$          | 38,8 mm  | Distance between the apexes of the pressure cones |
| $\alpha$     | 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            |