



FAG



X-life

### 3208-BD-XL-TVH-L285-C3

Angular contact ball bearing

Angular contact ball bearing 32...-BD-XL-TVH, double row, X-life, plastic cage

#### Informacje techniczne



#### Twoja aktualna wersja produktu

|                                  |         |                                                          |
|----------------------------------|---------|----------------------------------------------------------|
| Design variant                   | B       | Bearing without filling slot                             |
| Changed internal design          | D       | D                                                        |
| Type of Seal                     | Without | Not sealed                                               |
| Cage                             | TVH     | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                                   |
| Dimensional / heat stabilization | SN      | Rings dimensional stabilized up to 120°                  |
| Lubricant                        | L285    | Grease (L285/customer specific)                          |
| Axial internal clearance         | C3      | Group 3 (C3), bigger than CN                             |

#### Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 40 mm       | Bore diameter                     |
| D               | 80 mm       | Outside diameter                  |
| B               | 30,2 mm     | Width                             |
| C <sub>r</sub>  | 51.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 38.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.650 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 9.100 1/min | Reference speed                   |
| m               | 0,579 kg    | Masa                              |



### Mounting dimensions

|              |       |                                      |
|--------------|-------|--------------------------------------|
| $d_{a \min}$ | 47 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 73 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm  | Maximum fillet radius                |

### Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 1,1 mm   | Minimum chamfer dimension                         |
| $D_1$      | 69,7 mm  | Shoulder diameter outer ring                      |
| $D_2$      | 72,57 mm | Caliber diameter outer ring                       |
| $d_1$      | 54,9 mm  | Shoulder diameter inner ring                      |
| $d_2$      | 52,83 mm | Caliber diameter inner ring                       |
| $a$        | 47,5 mm  | Distance between the apexes of the pressure cones |
| $\alpha$   | 30 °     | Contact angle                                     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Bez uszczelnienia                 |