



FAG



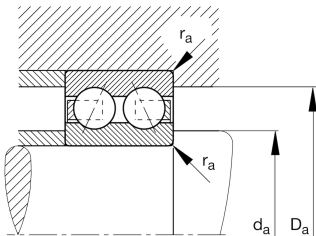
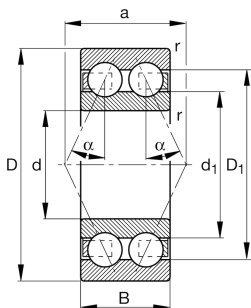
3308-BD-XL-C3

Angular contact ball bearing

Angular contact ball bearing 33..-BD-XL,  
double row, X-life, steel sheet metal cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | B       | Bearing without filling slot            |
| Changed internal design          | D       | D                                       |
| Sealing                          | Without | Not sealed                              |
| Cage                             | JH      | Steel sheet metal                       |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | SN      | Rings dimensional stabilized up to 120° |
| Lubricant                        | Without | Bearing not greased                     |
| Axial internal clearance         | C3      | Group 3 (C3), bigger than CN            |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 40 mm       | Bore diameter                     |
| D               | 90 mm       | Outside diameter                  |
| B               | 36,5 mm     | Width                             |
| C <sub>r</sub>  | 67.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 48.500 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.350 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.000 1/min | Reference speed                   |
| ≈m              | 0,99 kg     | Masa                              |



Mounting dimensions

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

Dimensions

|             |          |                                                   |
|-------------|----------|---------------------------------------------------|
| $r_{\ min}$ | 1,5 mm   | Minimum chamfer dimension                         |
| $D_{\ 1}$   | 77,02 mm | Shoulder diameter outer ring                      |
| $D_{\ 2}$   | 79,92 mm | Caliber diameter outer ring                       |
| $d_{\ 1}$   | 58,99 mm | Shoulder diameter inner ring                      |
| $d_{\ 2}$   | 56,82 mm | Caliber diamter inner ring                        |
| $a$         | 53,1 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                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |