



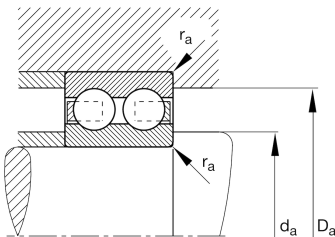
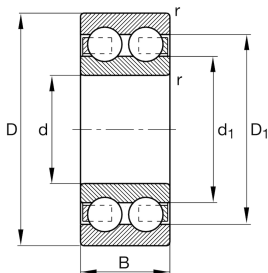
FAG

4309-B-TVH

Deep groove ball bearing

Deep groove ball bearing 43...-B-TVH, double row, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |                    |                                                         |
|----------------------------------|--------------------|---------------------------------------------------------|
| Design variant                   | B                  | Bearing without filling slot                            |
| Tolerance class                  | PN                 | Normal (ISO 492:2023)                                   |
| Cage                             | TVH                | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Lubricant                        | Lubricating grease |                                                         |
| Dimensional / heat stabilization | S0                 | Rings dimensional stabilized up to 150°                 |
| Radial internal clearance        | CN (Group N)       | Normal internal clearance                               |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 45 mm       | Bore diameter                     |
| D               | 100 mm      | Outside diameter                  |
| B               | 36 mm       | Width                             |
| C <sub>r</sub>  | 75.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 60.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.300 1/min | Reference speed                   |
| ≈m              | 1,244 kg    | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 54 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 91 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum fillet radius                |



Dimensions

|           |          |                              |
|-----------|----------|------------------------------|
| $r_{min}$ | 1,5 mm   | Minimum chamfer dimension    |
| $D_1$     | 86,84 mm | Shoulder diameter outer ring |
| $d_1$     | 66,7 mm  | Shoulder diameter inner ring |

Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -20 °C | Operating temperature min. |
| $T_{max}$ | 120 °C | Operating temperature max. |

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,9 | Calculation factor |
|-------|------|--------------------|

Właściwości

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