



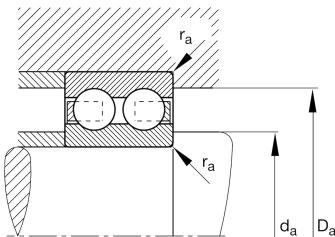
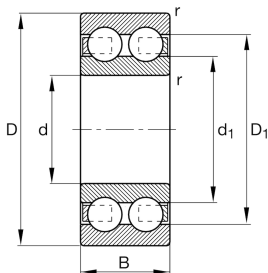
FAG

4212-B-TVH-C3

Deep groove ball bearing

Deep groove ball bearing 42...-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        | C3 (Group 3)       | Internal clearance larger than CN                       |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 60 mm       | Bore diameter                     |
| D               | 110 mm      | Outside diameter                  |
| B               | 28 mm       | Width                             |
| C <sub>r</sub>  | 56.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 56.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.900 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.400 1/min | Reference speed                   |
| ≈m              | 1,09 kg     | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 69 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 101 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum fillet radius                |



Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 1,5 mm   | Minimum chamfer dimension    |
| D <sub>1</sub>   | 95,34 mm | Shoulder diameter outer ring |
| d <sub>1</sub>   | 79,8 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Calculation factors

|                |    |                    |
|----------------|----|--------------------|
| f <sub>0</sub> | 15 | Calculation factor |
|----------------|----|--------------------|

Właściwości

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