

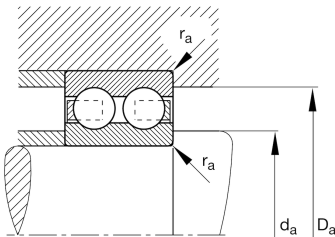
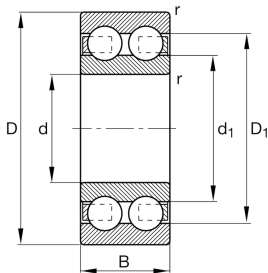
FAG

4203-BB-TVH

Deep groove ball bearing

Deep groove ball bearing 42...-BB-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)                                   |
| Changed internal design          | B            | B                                                       |
| Cage                             | TVH          | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Lubricant                        | GA14         | Ball bearing grease, low noise                          |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120°                 |
| Radial internal clearance        | CN (Group N) | Normal internal clearance                               |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 17 mm        | Bore diameter                     |
| D               | 40 mm        | Outside diameter                  |
| B               | 16 mm        | Width                             |
| C <sub>r</sub>  | 15.600 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 9.500 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 495 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 17.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 15.100 1/min | Reference speed                   |
| ≈m              | 0,087 kg     | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a\ min}$ | 21,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 35,8 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|             |          |                              |
|-------------|----------|------------------------------|
| $r_{\ min}$ | 0,6 mm   | Minimum chamfer dimension    |
| $D_1$       | 32,92 mm | Shoulder diameter outer ring |
| $d_1$       | 23,8 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 | Calculation factor |
|-------|----|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Bez uszczelnienia