

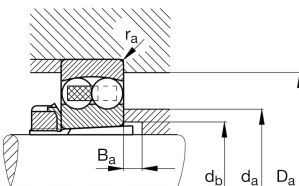
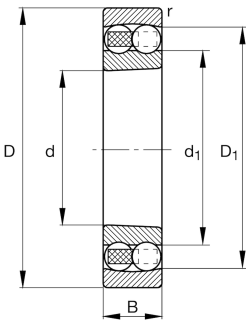
FAG

2207-K-TVH-C3

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-TVH, tapered bore taper 1:12, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                                          |
|---------------------------|--------------|----------------------------------------------------------|
| Bore type                 | K            | Tapered, taper 1:12                                      |
| Sealing                   | Without      | Not sealed                                               |
| Cage                      | TVH          | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class           | PN           | Normal (ISO 492:2023)                                    |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN                        |
| Lubricant                 | Without      | Bearing not greased                                      |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 72 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 33.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 9.000 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 570 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.800 1/min  | Limiting speed                    |
| n <sub>gr</sub> | 10.300 1/min | Reference speed                   |
| ≈m              | 0,378 kg     | Masa                              |



Mounting dimensions

|                    |       |                                       |
|--------------------|-------|---------------------------------------|
| d <sub>a min</sub> | 42 mm | Minimum diameter shaft shoulder       |
| d <sub>a max</sub> | 44 mm | Maximum diameter shaft shoulder       |
| D <sub>a max</sub> | 65 mm | Maximum diameter of housing shoulder  |
| d <sub>b min</sub> | 39 mm | Minimum cavity diameter of the sleeve |
| B <sub>a min</sub> | 5 mm  | Minimum cavity width of the sleeve    |
| r <sub>a max</sub> | 1 mm  | Maximum fillet radius                 |

Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 1,1 mm   | Minimum chamfer dimension    |
| D <sub>1</sub>   | 62,44 mm | Shoulder diameter outer ring |
| d <sub>1</sub>   | 45,7 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,3  | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,12 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,28 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,22 | Static axial load factor                                                         |

Additional information

|      |                |
|------|----------------|
| H307 | Adapter sleeve |
|------|----------------|



## Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna