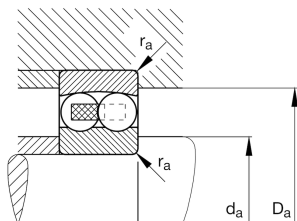
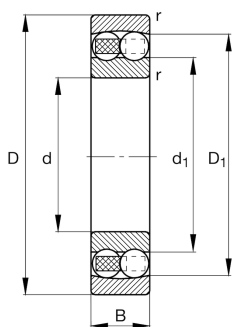
**FAG****2201-TVH>N** 

Self-aligning ball bearing

Self-aligning ball bearing 22...TVH, plastic cage

## Informacje techniczne



## Twoja aktualna wersja produktu

|                           |              |                                                          |
|---------------------------|--------------|----------------------------------------------------------|
| Version code              | >N           | Not marked on bearing                                    |
| Bore type                 | Z            | Cylindrical                                              |
| Type of Seal              | Without      | Not sealed                                               |
| Cage                      | TVH          | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class           | PN           | Normal (ISO 492:2023)                                    |
| Radial internal clearance | CN (Group N) | Normal internal clearance                                |
| Lubricant                 | Without      | Bearing not greased                                      |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 12 mm        | Bore diameter                     |
| D               | 32 mm        | Outside diameter                  |
| B               | 14 mm        | Width                             |
| C <sub>r</sub>  | 9.400 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.940 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 123 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 24.200 1/min | Limiting speed                    |
| n <sub>gr</sub> | 23.300 1/min | Reference speed                   |
| m               | 0,05 kg      | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 16,2 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 27,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0,6 mm   | Minimum chamfer dimension    |
| $D_1$      | 25,94 mm | Shoulder diameter outer ring |
| $d_1$      | 17,05 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,53 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,2  | Dynamic axial load factor                                                            |
| $Y_2$ | 1,86 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,26 | Static axial load factor                                                             |

### Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |
|  | Nieosiowość statyczna             |
|  | Nieosiowość dynamiczna            |