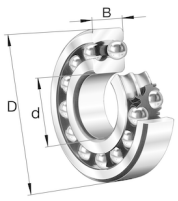


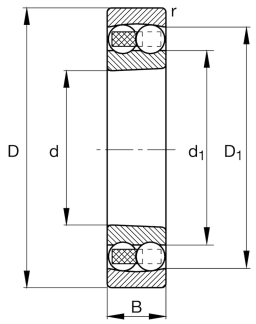

FAG

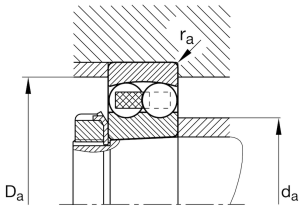
# 2216-K-TVH-C3

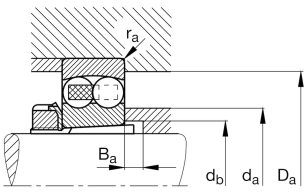
Self-aligning ball bearing

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 | 80 mm | Bore diameter |
| D | 140 mm | Outside diameter |
| B | 33 mm | Width |
| $C_r$ | 49.500 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 19.900 N | Basic static load rating, radial |
| $C_{ur}$ | 1.210 N | Fatigue load limit, radial |
| $n_G$ | 5.300 1/min | Limiting speed |
| $n_{\vartheta r}$ | 5.400 1/min | Reference speed |
| ≈m | 1,97 kg | Masa |

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 91 mm | Minimum diameter shaft shoulder |
| $d_{a\ max}$ | 96 mm | Maximum diameter shaft shoulder |
| $D_{a\ max}$ | 129 mm | Maximum diameter of housing shoulder |
| $d_{b\ min}$ | 85 mm | Minimum cavity diameter of the sleeve |
| $B_{a\ min}$ | 12 mm | Minimum cavity width of the sleeve |
| $r_{a\ max}$ | 2 mm | Maximum fillet radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 2 mm | Minimum chamfer dimension |
| $D_1$ | 120,97 mm | Shoulder diameter outer ring |
| $d_1$ | 99,2 mm | Shoulder diameter inner ring |

## Temperature range

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

## Calculation factors

| | | |
|---|---|---|
| e | 0,25 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,48 | Dynamic axial load factor |
| $Y_2$ | 3,84 | Dynamic axial load factor |
| $Y_0$ | 2,6 | Static axial load factor |

## Additional information

| | | |
|---|---|---|
| | H316 | Adapter sleeve |

## Właściwości

Obciążenie promieniowe

Obciążenie osiowe jednokierunkowe

Obciążenie osiowe dwukierunkowe


Smarowanie smarem


Smarowanie olejem


Bez uszczelnienia


Nieosiowość statyczna


Nieosiowość dynamiczna