

**FAG****3214-B-TVH**

Angular contact ball bearing

Angular contact ball bearing 32..-B-TVH,  
double row, plastic cage

## Technical information



## Your current product variant

|                                  |         |  |
|----------------------------------|---------|--|
| Design variant                   | B       | Bearing without filling slot                             |
| Sealing                          | Without | Not sealed   |
| Cage                             | TVH     | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | PN      | Normal (ISO 492:2023)                                    |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150°                  |
| Lubricant                        | GA13    | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | CN      | Group N (CN)   |

## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 70 mm       | Bore diameter                     |
| D           | 125 mm      | Outside diameter                  |
| B           | 39,7 mm     | Width                             |
| $C_r$       | 82.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 79.000 N    | Basic static load rating, radial  |
| $C_{ur}$    | 4.100 N     | Fatigue load limit, radial        |
| $n_G$       | 5.600 1/min | Limiting speed                    |
| $n_{gr}$    | 5.600 1/min | Reference speed                   |
| $\approx m$ | 1,73 kg     | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 79 mm  | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 116 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius                |

### Dimensions

|            |           |   |
|------------|-----------|---|
| $r_{\min}$ | 1,5 mm    | Minimum chamfer dimension                         |
| $D_1$      | 106,26 mm | Shoulder diameter outer ring                      |
| $d_1$      | 86,75 mm  | Shoulder diameter inner ring                      |
| $a$        | 61,6 mm   | Distance between the apexes of the pressure cones |
| $\alpha$   | 25 °      | Contact angle                                     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed