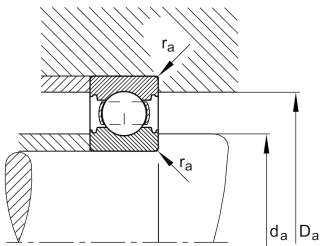
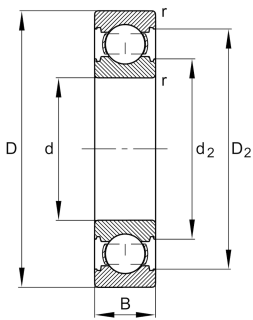


**FAG****6202-C-TVH-C4>V**

Deep groove ball bearing

Deep groove ball bearing 62...-C-TVH, single row, Generation C, plastic cage

## Technical information



## Your current product variant

|                                  |              |                                                         |
|----------------------------------|--------------|---------------------------------------------------------|
| Version code                     | >V           | Not marked on bearing                                   |
| Changed internal design          | C            | GenerationC                                             |
| Sealing                          | Without      | Not sealed                                              |
| Cage                             | TVH          | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                  | P6           | Class 6 (ISO 492:2023)                                  |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120°                 |
| Lubricant                        | Without      | Bearing not greased                                     |
| Radial internal clearance        | C4 (Group 4) | Internal clearance larger than C3                       |
| Bore type                        | Z            | Cylindrical                                             |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 15 mm        | Bore diameter                     |
| D               | 35 mm        | Outside diameter                  |
| B               | 11 mm        | Width                             |
| C <sub>r</sub>  | 8.900 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.750 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 260 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 33.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 21.900 1/min | Reference speed                   |
| ≈m              | 0,04 kg      | Weight                            |



Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a\ min}$ | 19,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 30,8 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,6 mm  | Maximum fillet radius                |

Dimensions

|             |          |                              |
|-------------|----------|------------------------------|
| $r_{\ min}$ | 0,6 mm   | Minimum chamfer dimension    |
| $D_1$       | 29 mm    | Shoulder diameter outer ring |
| $D_2$       | 30,92 mm | Caliber diameter outer ring  |
| $d_1$       | 21,06 mm | Shoulder diameter inner ring |
| $d_2$       | 20,08 mm | Caliber diameter inner ring  |

Temperature range

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

Calculation factors

|       |    |                    |
|-------|----|--------------------|
| $f_0$ | 13 | Calculation factor |
|-------|----|--------------------|

Characteristics

|                                                                                     |                              |
|-------------------------------------------------------------------------------------|------------------------------|
|  | Radial load                  |
|  | Axial load in one direction  |
|  | Axial load in two directions |
|  | Grease Lubrication           |
|  | Oil Lubrication              |
|  | Not sealed                   |