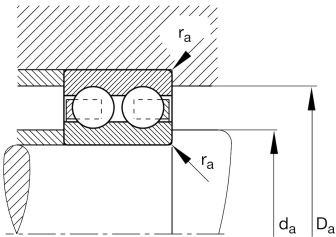


**FAG****4218-B-TVH**

Deep groove ball bearing

Deep groove ball bearing 42...-B-TVH, double row, plastic cage

## Technical information



## Your current product variant

|                                  |                    |   |
|----------------------------------|--------------------|---|
| Design variant                   | B                  | Bearing without filling slot                            |
| Tolerance class                  | PN                 | Normal (ISO 492:2023)                                   |
| Cage                             | TVH                | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Lubricant                        | Lubricating grease |   |
| Dimensional / heat stabilization | S0                 | Rings dimensional stabilized up to 150°                 |
| Radial internal clearance        | CN (Group N)       | Normal internal clearance                               |

## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 90 mm       | Bore diameter                     |
| D           | 160 mm      | Outside diameter                  |
| B           | 40 mm       | Width                             |
| $C_r$       | 113.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$    | 123.000 N   | Basic static load rating, radial  |
| $C_{ur}$    | 6.100 N     | Fatigue load limit, radial        |
| $n_G$       | 3.900 1/min | Limiting speed                    |
| $n_{gr}$    | 4.100 1/min | Reference speed                   |
| $\approx m$ | 3,15 kg     | Weight                            |

## Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 101 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 149 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2 mm   | Maximum fillet radius                |



### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 2 mm     | Minimum chamfer dimension    |
| $D_1$      | 140,2 mm | Shoulder diameter outer ring |
| $d_1$      | 117,6 mm | Shoulder diameter inner ring |






### Temperature range

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

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 15,5 | Calculation factor |
|-------|------|--------------------|

### Characteristics

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