

**FAG****6007-C-2HRS-L038-C3>V** [🔗](#)

## Deep groove ball bearing

Deep groove ball bearing 60...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

## Technical information



## Your current product variant

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Version code                     | >V           | Not marked on bearing                   |
| Changed internal design          | C            | GenerationC                             |
| Type of Seal                     | 2HRS         | Contact seal on both sides              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | P6           | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | L038         | Grease (L038/customer specific)         |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN       |
| Bore type                        | Z            | Cylindrical                             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 35 mm       | Bore diameter                     |
| D               | 62 mm       | Outside diameter                  |
| B               | 14 mm       | Width                             |
| C <sub>r</sub>  | 17.500 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 10.300 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 620 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.300 1/min | Limiting speed                    |
| ≈m              | 0,15 kg     | Weight                            |



Mounting dimensions

|             |         |                                      |
|-------------|---------|--------------------------------------|
| $d_{a\min}$ | 39,6 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 57,4 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm    | Maximum fillet radius                |

Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 54,06 mm | Shoulder diameter outer ring |
| $D_2$      | 56,32 mm | Caliber diameter outer ring  |
| $d_1$      | 42,94 mm | Shoulder diameter inner ring |
| $d_2$      | 41,31 mm | Caliber diameter inner ring  |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14,9 | Calculation factor |
|-------|------|--------------------|

Characteristics

|                                                                                     |                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------|
|  | Radial load                                    |
|  | Axial load in one direction                    |
|  | Axial load in two directions                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |