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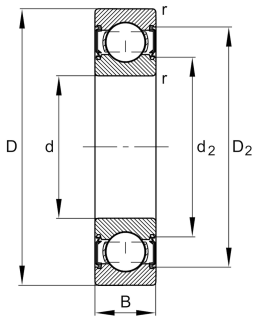
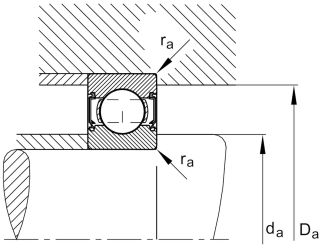
# HC6210-C-2HRS-L207-C3>V

Deep groove ball bearing

Deep groove ball bearing HC62..-C-2HRS, Hybrid bearing, single row, Generation C, seals, steel sheet metal cage

## Technical information




### Your current product variant

| | | |
|---|---|---|
| Version code | >V | Not marked on bearing |
| Material Bearing | HC | Hybrid bearing, rolling elements ceramic, bearing rings made of steel |
| Changed internal design | C | GenerationC |
| Sealing | 2HRS | Contact seal on both sides |
| Cage | JN | Steel sheet metal |
| Tolerance class | P6 | Class6 (P6), better then PN |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | L207 | Low noise high-temperature grease, interchangeable with grease L069 |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 50 mm | Bore diameter |
| D | 90 mm | Outside diameter |
| B | 20 mm | Width |
| $C_r$ | 40.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 22.200 N | Basic static load rating, radial |
| $C_{ur}$ | 1.170 N | Fatigue load limit, radial |
| $n_G$ | 6.500 1/min | Limiting speed |
| ≈m | 0,403 kg | Weight |

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 57 mm | Minimum diameter shaft shoulder |
| $D_{a\ max}$ | 83 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1 mm | Maximum fillet radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 1,1 mm | Minimum chamfer dimension |
| $D_1$ | 78,64 mm | Shoulder diameter outer ring |
| $D_2$ | 81,65 mm | Caliber diameter outer ring |
| $d_1$ | 61,87 mm | Shoulder diameter inner ring |
| $d_2$ | 59,23 mm | Caliber diameter inner ring |

## Temperature range

| | | |
|---|---|---|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 100 °C | Operating temperature max. |

## Calculation factors

| | | |
|---|---|---|
| $f_0$ | 13,8 | 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
- Current insulated

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