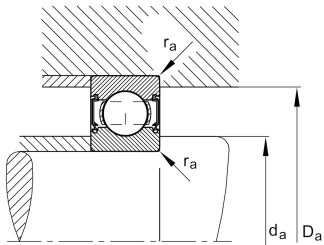
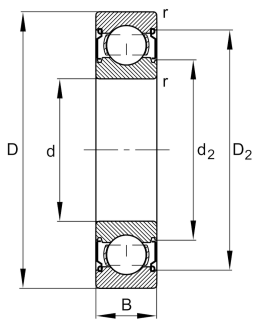


**FAG****HC6205-C-2Z-L207-C3>V**

Deep groove ball bearing

Deep groove ball bearing HC62...-C-2Z, Hybrid bearing, single row, Generation C, shields, 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 | 2Z | Non-contact shield 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 | 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 | 25 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| B | 15 mm | Width |
| C _r | 15.900 N | Basic dynamic load rating, radial |
| C _{0r} | 7.500 N | Basic static load rating, radial |
| C _{ur} | 385 N | Fatigue load limit, radial |
| n _G | 22.000 1/min | Limiting speed |
| n _{gr} | 16.000 1/min | Reference speed |
| m | 0,114 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|--------------------------------------|
| d _{a min} | 30,6 mm | Minimum diameter shaft shoulder |
| D _{a max} | 46,4 mm | Maximum diameter of housing shoulder |
| r _{a max} | 1 mm | Maximum fillet radius |

Dimensions

| | | |
|------------------|----------|------------------------------|
| r _{min} | 1 mm | Minimum chamfer dimension |
| D ₁ | 44,06 mm | Shoulder diameter outer ring |
| D ₂ | 46,01 mm | Caliber diameter outer ring |
| d ₁ | 32,94 mm | Shoulder diameter inner ring |
| d ₂ | 31,61 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 | 13,2 | 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