

**FAG****6005-C-2Z-L207-C3>V**

Deep groove ball bearing

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

Technical information

**Your current product variant**

| | | |
|----------------------------------|--------------|---|
| Version code | >V | Not marked on bearing |
| Changed internal design | C | GenerationC |
| Type of Sealing | 2Z | Non-contact shield 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 | 25 mm | Bore diameter |
| D | 47 mm | Outside diameter |
| B | 12 mm | Width |
| C _r | 12.600 N | Basic dynamic load rating, radial |
| C _{0r} | 6.500 N | Basic static load rating, radial |
| C _{ur} | 420 N | Fatigue load limit, radial |
| n _G | 20.200 1/min | Limiting speed |
| n _{gr} | 16.400 1/min | Reference speed |
| ≈m | 0,074 kg | Weight |



Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 28,2 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 43,8 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 | 40,73 mm | Shoulder diameter outer ring |
| D_2 | 42,66 mm | Caliber diameter outer ring |
| d_1 | 31,27 mm | Shoulder diameter inner ring |
| d_2 | 29,93 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 | 14,3 | 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 |