



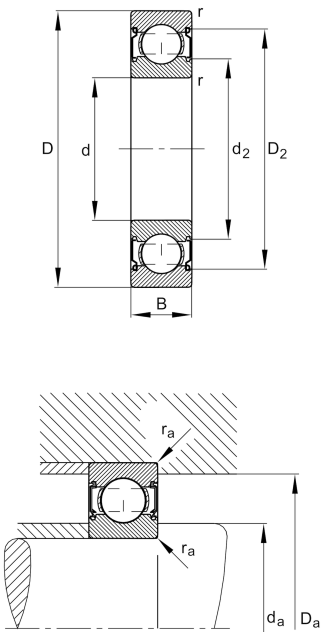
FAG

6201-C-2Z-L138>V

Deep groove ball bearing

Deep groove ball bearing 62...-C-2Z, single row, Generation C, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Version code                     | >V           | Not marked on bearing                   |
| Changed internal design          | C            | GenerationC                             |
| Type of Seal                     | 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                        | L138         | Grease (L138/customer specific)         |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 12 mm        | Bore diameter                     |
| D               | 32 mm        | Outside diameter                  |
| B               | 10 mm        | Width                             |
| C <sub>r</sub>  | 8.000 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.100 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 213 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 31.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 24.600 1/min | Reference speed                   |
| ≈m              | 0,036 kg     | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a\ min}$ | 16,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 27,8 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|             |          |                              |
|-------------|----------|------------------------------|
| $r_{\ min}$ | 0,6 mm   | Minimum chamfer dimension    |
| $D_1$       | 26 mm    | Shoulder diameter outer ring |
| $D_2$       | 27,92 mm | Caliber diameter outer ring  |
| $d_1$       | 18,31 mm | Shoulder diameter inner ring |
| $d_2$       | 17,34 mm | Caliber diameter inner ring  |

### Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 12,3 | Calculation factor |
|-------|------|--------------------|

### Właściwości

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | Obciążenie promieniowe              |
|  | Obciążenie osiowe jednokierunkowe   |
|  | Obciążenie osiowe dwukierunkowe     |
|  | Smarowanie dożywotnie, bezobsługowe |
|  | Smarowanie smarem                   |
|  | Uszczelnienie dwustronne            |