



FAG

6001-C-2Z-L038-C3>V

Deep groove ball bearing

Deep groove ball bearing 60...-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                             |
| 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                        | L038         | Grease (L038/customer specific)         |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN       |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 12 mm        | Bore diameter                     |
| D               | 28 mm        | Outside diameter                  |
| B               | 8 mm         | Width                             |
| C <sub>r</sub>  | 5.900 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.370 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 164 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 36.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 26.000 1/min | Reference speed                   |
| ≈m              | 0,021 kg     | Masa                              |



Mounting dimensions

|         |        |                                      |
|---------|--------|--------------------------------------|
| d a min | 14 mm  | Minimum diameter shaft shoulder      |
| D a max | 26 mm  | Maximum diameter of housing shoulder |
| r a max | 0,3 mm | Maximum fillet radius                |

Dimensions

|       |          |                              |
|-------|----------|------------------------------|
| r min | 0,3 mm   | Minimum chamfer dimension    |
| D 1   | 23,34 mm | Shoulder diameter outer ring |
| D 2   | 25,1 mm  | Caliber diameter outer ring  |
| d 1   | 16,66 mm | Shoulder diameter inner ring |
| d 2   | 15,69 mm | Caliber diameter inner ring  |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -20 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Calculation factors

|     |      |                    |
|-----|------|--------------------|
| f 0 | 13,1 | Calculation factor |
|-----|------|--------------------|

Właściwości

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