



FAG

6305-C-2Z-C3>V

Deep groove ball bearing

Deep groove ball bearing 63...-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                        | GA14         | Ball bearing grease, low noise          |
| 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               | 62 mm        | Outside diameter                  |
| B               | 17 mm        | Width                             |
| C <sub>r</sub>  | 26.500 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 11.500 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 790 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 15.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 13.500 1/min | Reference speed                   |
| ≈m              | 0,225 kg     | Masa                              |



Mounting dimensions

|         |       |                                      |
|---------|-------|--------------------------------------|
| d a min | 32 mm | Minimum diameter shaft shoulder      |
| D a max | 55 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   | 51,55 mm | Shoulder diameter outer ring |
| D 2   | 53,8 mm  | Caliber diameter outer ring  |
| d 1   | 35,45 mm | Shoulder diameter inner ring |
| d 2   | 34,12 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 | 12,4 | Calculation factor |
|-----|------|--------------------|

Właściwości

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