



FAG

6211-C-C3>V

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Version code                     | >V           | Not marked on bearing                   |
| Changed internal design          | C            | GenerationC                             |
| Sealing                          | Without      | Not sealed                              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | P6           | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | S0           | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without      | Bearing not greased                     |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN       |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 55 mm        | Bore diameter                     |
| D               | 100 mm       | Outside diameter                  |
| B               | 21 mm        | Width                             |
| C <sub>r</sub>  | 50.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 29.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.020 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 8.300 1/min  | Reference speed                   |
| ≈m              | 0,561 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 64 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 91 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum fillet radius                |

Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 1,5 mm   | Minimum chamfer dimension    |
| D <sub>1</sub>   | 86,95 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 89,72 mm | Caliber diameter outer ring  |
| d <sub>1</sub>   | 68,62 mm | Shoulder diameter inner ring |
| d <sub>2</sub>   | 66,69 mm | Caliber diameter inner ring  |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 14,2 | Calculation factor |
|----------------|------|--------------------|

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |