



FAG

6001-H>N

Deep groove ball bearing

Deep groove ball bearing 60...-H, single row, H-Series, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Version code                     | >N           | Not marked on bearing                   |
| Changed internal design          | H            | Design variant H (H-Series)             |
| Sealing                          | Without      | Not sealed                              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | Without      | Bearing not greased                     |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| 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>  | 5.400 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.360 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 126 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 37.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 23.200 1/min | Reference speed                   |
| m               | 0,021 kg     | Masa                              |



Mounting dimensions

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

Dimensions

|                  |         |                              |
|------------------|---------|------------------------------|
| r <sub>min</sub> | 0,3 mm  | Minimum chamfer dimension    |
| D <sub>1</sub>   | 23,6 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 24,9 mm | Caliber diameter outer ring  |
| d <sub>1</sub>   | 17,5 mm | Shoulder diameter inner ring |
| d <sub>2</sub>   | 16,2 mm | Caliber diameter inner ring  |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 13,2 | Calculation factor |
|----------------|------|--------------------|

Właściwości

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