



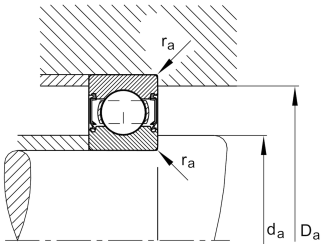
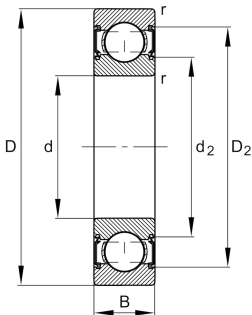
FAG

HC6004-C-2HRS-TVH-L207-C3>V

Deep groove ball bearing

Deep groove ball bearing HC60...-C-2HRS-TVH, Hybrid bearing, single row, Generation C, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                                                       |
|----------------------------------|--------------|-----------------------------------------------------------------------|
| Version code                     | >V           | Not marked on bearing                                                 |
| Material Bearing                 | HC           | Hybrid bearing, rolling elements ceramic, bearing rings made of steel |
| Changed internal design          | C            | GenerationC                                                           |
| Sealing                          | 2HRS         | Contact seal on both sides                                            |
| Cage                             | TVH          | Solid cage made of glass-fiber reinforced polyamid PA66               |
| Tolerance class                  | P6           | Class 6 (ISO 492:2023)                                                |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120°                               |
| Lubricant                        | L207         | Low noise high-temperature grease, interchangeable with grease L069   |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN                                     |
| Bore type                        | Z            | Cylindrical                                                           |



Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 20 mm        | Bore diameter                     |
| D               | 42 mm        | Outside diameter                  |
| B               | 12 mm        | Width                             |
| C <sub>r</sub>  | 10.600 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 4.800 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 247 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 15.300 1/min | Limiting speed                    |
| ≈m              | 0,058 kg     | Masa                              |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 23,2 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 38,8 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 0,6 mm  | Maximum fillet radius                |

Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 0,6 mm   | Minimum chamfer dimension    |
| D <sub>1</sub>   | 35,45 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 37,38 mm | Caliber diameter outer ring  |
| d <sub>1</sub>   | 26,55 mm | Shoulder diameter inner ring |
| d <sub>2</sub>   | 25,38 mm | Caliber diameter inner ring  |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Calculation factors

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



### Właściwości

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