



FAG

HC6322-M-C3

Deep groove ball bearing

Deep groove ball bearing HC63...-M, Hybrid bearing, single row, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                                                       |
|----------------------------------|--------------|-----------------------------------------------------------------------|
| Material Bearing                 | HC           | Hybrid bearing, rolling elements ceramic, bearing rings made of steel |
| Sealing                          | Without      | Not sealed                                                            |
| Cage                             | M            | Solid brass cage, rolling element guided                              |
| Tolerance class                  | PN           | Normal (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               | 110 mm      | Bore diameter                     |
| D               | 240 mm      | Outside diameter                  |
| B               | 50 mm       | Width                             |
| C <sub>r</sub>  | 234.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 215.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.400 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.450 1/min | Reference speed                   |
| m               | 10,533 kg   | Masa                              |



Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 124 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 226 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,5 mm | Maximum fillet radius                |

Dimensions

|             |           |                              |
|-------------|-----------|------------------------------|
| $r_{\ min}$ | 3 mm      | Minimum chamfer dimension    |
| $D_{\ 1}$   | 197,54 mm | Shoulder diameter outer ring |
| $d_{\ 1}$   | 153,26 mm | Shoulder diameter inner ring |

Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 150 °C | Operating temperature max. |

Calculation factors

|           |      |                    |
|-----------|------|--------------------|
| $f_{\ 0}$ | 17,9 | Calculation factor |
|-----------|------|--------------------|

Właściwości

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