



FAG

6038-M-C4

Deep groove ball bearing

Deep groove ball bearing 60...-M, single row, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                          |
|----------------------------------|--------------|------------------------------------------|
| Sealing                          | Without      | Not sealed                               |
| Cage                             | M            | Solid brass cage, rolling element guided |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                    |
| Dimensional / heat stabilization | S1           | Rings dimensional stabilized up to 200°  |
| Lubricant                        | Without      | Bearing not greased                      |
| Radial internal clearance        | C4 (Group 4) | Internal clearance larger than C3        |
| Bore type                        | Z            | Cylindrical                              |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 190 mm      | Bore diameter                     |
| D               | 290 mm      | Outside diameter                  |
| B               | 46 mm       | Width                             |
| C <sub>r</sub>  | 216.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 220.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 9.400 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.850 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.100 1/min | Reference speed                   |
| ≈m              | 11,3 kg     | Masa                              |



Mounting dimensions

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $d_{a\ min}$ | 200,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 279,8 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,1 mm   | Maximum fillet radius                |

Dimensions

|             |           |                              |
|-------------|-----------|------------------------------|
| $r_{\ min}$ | 2,1 mm    | Minimum chamfer dimension    |
| $D_{\ 1}$   | 260,25 mm | Shoulder diameter outer ring |
| $d_{\ 1}$   | 220,82 mm | Shoulder diameter inner ring |

Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 200 °C | Operating temperature max. |

Calculation factors

|           |      |                    |
|-----------|------|--------------------|
| $f_{\ 0}$ | 15,6 | Calculation factor |
|-----------|------|--------------------|

Właściwości

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