



FAG

6307-H-C3>N

Deep groove ball bearing

Deep groove ball bearing 63.-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        | C3 (Group 3) | Internal clearance larger than CN       |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 21 mm        | Width                             |
| C <sub>r</sub>  | 33.390 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 19.290 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.150 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 12.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 9.500 1/min  | Reference speed                   |
| m               | 0,471 kg     | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 44 mm  | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 71 mm  | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1,5 mm | Maximum fillet radius                |

### Dimensions

|             |         |                              |
|-------------|---------|------------------------------|
| $r_{\ min}$ | 1,5 mm  | Minimum chamfer dimension    |
| $D_1$       | 66,8 mm | Shoulder diameter outer ring |
| $d_1$       | 50,4 mm | Shoulder diameter inner ring |

### Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,2 | Calculation factor |
|-------|------|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia