



FAG

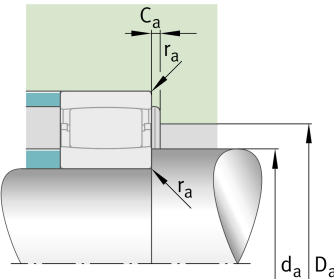
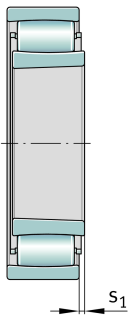
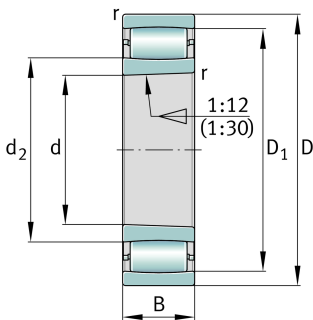
C3148-XL-K-M-W209B-C4

Toroidal roller bearing

Toroidal roller bearing C31...-XL-K-M

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|           |   |                               |
|-----------|---|-------------------------------|
| Bore type | K | Tapered, taper 1:12           |
| Cage      | M | Solid brass cage, ball guided |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 240 mm      | Bore diameter                     |
| D               | 400 mm      | Outside diameter                  |
| B               | 128 mm      | Width                             |
| C <sub>r</sub>  | 2.380.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.500.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 370.000 N   | Fatigue load limit, radial        |
| n <sub>gr</sub> | 870 1/min   | Reference speed                   |
| n <sub>G</sub>  | 1.690 1/min | Limiting speed                    |
| ≈m              | 63 kg       | Masa                              |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 257 mm  | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 307 mm  | Maximum diameter shaft shoulder      |
| D <sub>a min</sub> | 337 mm  | Minimum diameter of housing shoulder |
| D <sub>a max</sub> | 383 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 3 mm    | Maximum fillet radius                |
| C <sub>a</sub>     | 1,64 mm | Minimum depth of free space Ca       |



Dimensions

|           |          |                              |
|-----------|----------|------------------------------|
| $r_{min}$ | 4 mm     | Minimum chamfer dimension    |
| $d_2$     | 281,2 mm | Shoulder diameter of IR      |
| $D_1$     | 356,8 mm | Shoulder diameter outer ring |
| $S_1$     | 20,4 mm  | Axial displacement           |

Temperature range

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

Calculation factors

|               |        |                                         |
|---------------|--------|-----------------------------------------|
| $k_{\delta}$  | 0,742  | Operating clearance factor $k_{\delta}$ |
| $k_{\varphi}$ | 14,548 | Tilting factor $k_{\varphi}$            |

Właściwości

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | Obciążenie promieniowe |
|  | Smarowanie smarem      |
|  | Bez uszczelnienia      |
|  | Nieosiowość statyczna  |
|  | Nieosiowość dynamiczna |