



FAG

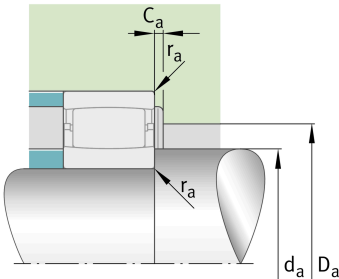
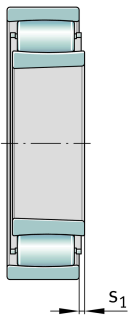
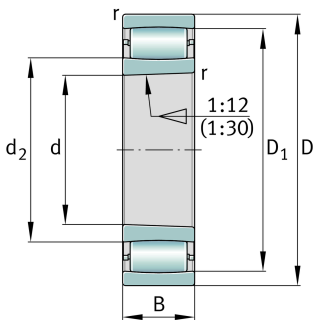
C3044-XL-K-M-C4

Toroidal roller bearing

Toroidal roller bearing C30...-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               | 220 mm      | Bore diameter                     |
| D               | 340 mm      | Outside diameter                  |
| B               | 90 mm       | Width                             |
| C <sub>r</sub>  | 1.370.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.130.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 221.000 N   | Fatigue load limit, radial        |
| n <sub>gr</sub> | 1.050 1/min | Reference speed                   |
| n <sub>G</sub>  | 2.030 1/min | Limiting speed                    |
| ≈m              | 29,2 kg     | Masa                              |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 233 mm  | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 274 mm  | Maximum diameter shaft shoulder      |
| D <sub>a min</sub> | 297 mm  | Minimum diameter of housing shoulder |
| D <sub>a max</sub> | 327 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,5 mm  | Maximum fillet radius                |
| C <sub>a</sub>     | 1,86 mm | Minimum depth of free space Ca       |



Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 3 mm     | Minimum chamfer dimension    |
| d <sub>2</sub>   | 256,7 mm | Shoulder diameter of IR      |
| D <sub>1</sub>   | 310,3 mm | Shoulder diameter outer ring |
| S <sub>1</sub>   | 17,2 mm  | Axial displacement           |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |

Calculation factors

|                |        |                                           |
|----------------|--------|-------------------------------------------|
| k <sub>δ</sub> | 0,931  | Operating clearance factor k <sub>δ</sub> |
| k <sub>φ</sub> | 11,851 | Tilting factor k <sub>φ</sub>             |

Właściwości

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