

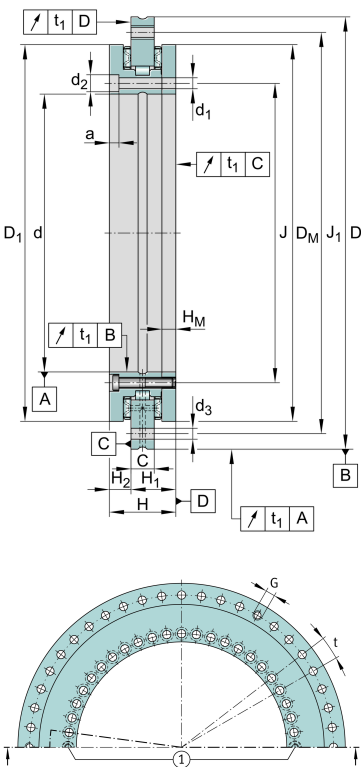


YRTCM395-XL

Axial/radial roller bearing

Axial/radial bearings, double direction, screw mounting, with integrated angular measuring system

Informacje techniczne



Twoja aktualna wersja produktu

|                                     |   |                                           |
|-------------------------------------|---|-------------------------------------------|
| Angular measuring system integrated | M | With incremental angular measuring system |
|-------------------------------------|---|-------------------------------------------|

Main Dimensions & Performance Data

|                 |             |                                    |
|-----------------|-------------|------------------------------------|
| d               | 395 mm      | Bore diameter                      |
|                 | 0 mm        | Bore diameter upper tolerance      |
|                 | -0,023 mm   | Bore diameter lower tolerance      |
| D               | 525 mm      | Outside diameter                   |
|                 | 0 mm        | Outside diameter upper tolerance   |
|                 | -0,028 mm   | Outside diameter lower tolerance   |
| H               | 65 mm       | Height                             |
| C <sub>r</sub>  | 200.000 N   | Basic dynamic load rating, radial  |
| C <sub>0r</sub> | 640.000 N   | Basic static load rating, radial   |
| C <sub>a</sub>  | 265.000 N   | Basic dynamic load rating, axial   |
| C <sub>0a</sub> | 2.190.000 N | Basic static load rating, axial    |
| n <sub>G</sub>  | 200 1/min   | Limiting speed                     |
| M <sub>R</sub>  | 19 Nm       | Bearing friction torque at 5 1/min |
| ≈m              | 32,055 kg   | Masa                               |



Mounting dimensions

|     |        |                                                                                                               |
|-----|--------|---------------------------------------------------------------------------------------------------------------|
| J   | 415 mm | Pitch circle diameter fixing holes in inner ring                                                              |
| J 1 | 505 mm | Pitch circle diameter fixing holes in outer ring                                                              |
| d 1 | 9,3 mm | Fixing holes diameter inner ring                                                                              |
| d 2 | 15 mm  | Counterbore diameter of fixing holes                                                                          |
| a   | 8,2 mm | Counterbore depth of fixing holes                                                                             |
|     | 46     | Quantity of fixing holes inner ring                                                                           |
| d 3 | 9,3 mm | Fixing holes diameter outer ring                                                                              |
|     | 45     | Quantity of fixing holes outer ring                                                                           |
| n   | 48     | Pitch quantity                                                                                                |
| t   | 7,5 °  | Pitch separation angle                                                                                        |
| G   | M12    | Threaded extraction hole                                                                                      |
|     | 3      | Quantity of threaded extraction hole                                                                          |
| M A | 34 Nm  | Screw tightening torque                                                                                       |
|     | 2      | Quantity of retaining screws                                                                                  |
| t 1 | 6 µm   | Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction. |

Dimensions

|         |           |                                                        |
|---------|-----------|--------------------------------------------------------|
| H 1     | 42,5 mm   | Height contact face outer ring                         |
|         | 0,05 mm   | Height contact face outerring H1 upper tolerance       |
|         | -0,05 mm  | Height contact face outerring H1 lower tolerance       |
| H 2     | 22,5 mm   | Height contact face outer ring                         |
|         | 0,025 mm  | Height contact face outerring H2 upper tolerance       |
|         | -0,025 mm | Height contact face outerring H2 lower tolerance       |
| H M     | 17,5 mm   | Height shaft washer                                    |
| D 1 max | 487,7 mm  | Maximum diameter inner ring                            |
| D M     | 485,02 mm | Diameter of dimensional scale on shaft locating washer |
| C       | 20 mm     | Width of outer ring                                    |



Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Additional information

|                 |                   |                                         |
|-----------------|-------------------|-----------------------------------------|
| c <sub>aL</sub> | 19.800 N/μm       | Axial rigidity of bearing position      |
| c <sub>rL</sub> | 8.100 N/μm        | Radial rigidity of bearing position     |
| c <sub>kL</sub> | 448.000 Nm/mrad   | Tilting rigidity of bearing position    |
| c <sub>aW</sub> | 37.000 N/μm       | Axial rigidity of rolling element set   |
| c <sub>rW</sub> | 13.000 N/μm       | Radial rigidity of rolling element set  |
| c <sub>kW</sub> | 1.002.000 Nm/mrad | Tilting rigidity of rolling element set |

Właściwości

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Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
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Obciążenie osiowe dwukierunkowe
- 

Momenty względem wszystkich osi
- 

Smarowanie smarem
- 

Bez uszczelnienia
- 

Łożysko gabarytowe