



FAG

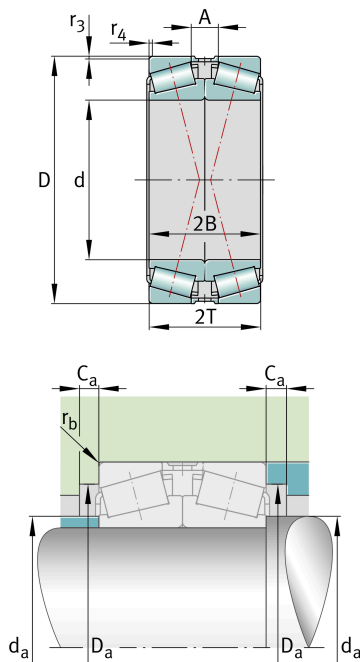
32030-X-XL-DF-A120-170

Tapered roller bearing set

Tapered roller bearing set 320...-DF, X-arrangement

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                          |          |                                                 |
|--------------------------|----------|-------------------------------------------------|
| Tolerance class          | P6X      | Class 6X (ISO 492:2023)                         |
| Heat treatment           | Standard |                                                 |
| Cage                     | Standard | Sheet steel cage, window cage, roller-guided    |
| Axial internal clearance | A120-170 | Axial internal clearance between 120 and 170 µm |
| Quality level            | XL       | X-life                                          |
| Matched arrangement      | F        | X arrangement                                   |
| Number of rows           | 2        | Double-row design                               |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 150 mm      | Bore diameter                     |
| D               | 225 mm      | Outside diameter                  |
| 2B              | 96 mm       | Inner ring total width            |
| 2T              | 96 mm       | Outer ring total width            |
| C <sub>r</sub>  | 820.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.350.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 193.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.550 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.650 1/min | Thermal speed rating              |
| ≈m              | 13,32 kg    | Masa                              |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\max}$ | 164 mm | Maximum diameter of shaft shoulder   |
| $D_{a\min}$ | 200 mm | Minimum diameter of housing shoulder |
| $D_{a\max}$ | 213 mm | Maximum diameter of housing shoulder |
| $C_{a\min}$ | 8 mm   | Minimum axial space                  |
| $r_{b\max}$ | 2,5 mm | Maximum fillet radius of housing     |

Dimensions

|               |        |                                                   |
|---------------|--------|---------------------------------------------------|
| $r_{3,4\min}$ | 2,5 mm | Minimum chamfer dimension of outer ring back face |
| A             | 24 mm  | Width of spacer                                   |

Temperature range

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

Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| e     | 0,46 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,47 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,19 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,44 | Static axial load factor                                                             |

Właściwości

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