



FAG

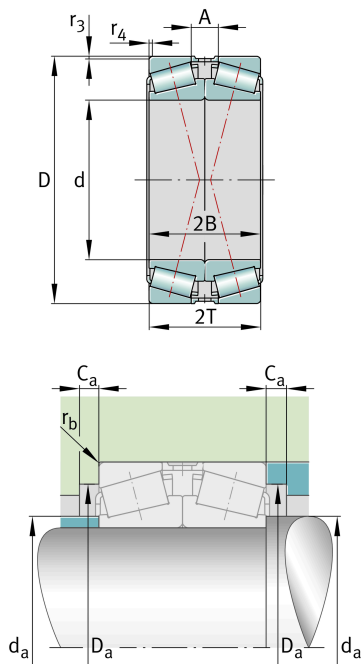
32248-XL-DF-A350-400

Tapered roller bearing set

Tapered roller bearing set 322...-DF, X-arrangement

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                          |          |                                                 |
|--------------------------|----------|-------------------------------------------------|
| Tolerance class          | PN       | Normal (ISO 492:2023)                           |
| Heat treatment           | Standard |                                                 |
| Cage                     | Standard | Sheet steel cage, window cage, roller-guided    |
| Axial internal clearance | A350-400 | Axial internal clearance between 350 and 400 µm |
| Quality level            | XL       | X-life                                          |
| Matched arrangement      | F        | X arrangement                                   |
| Number of rows           | 2        | Double-row design                               |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 240 mm      | Bore diameter                     |
| D               | 440 mm      | Outside diameter                  |
| 2B              | 240 mm      | Inner ring total width            |
| 2T              | 254 mm      | Outer ring total width            |
| C <sub>r</sub>  | 3.750.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 6.200.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 740.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.790 1/min | Limiting speed                    |
| n <sub>gr</sub> | 660 1/min   | Thermal speed rating              |
| ≈m              | 167 kg      | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \max}$ | 286 mm | Maximum diameter of shaft shoulder   |
| $D_{a \min}$ | 372 mm | Minimum diameter of housing shoulder |
| $D_{a \max}$ | 422 mm | Maximum diameter of housing shoulder |
| $C_{a \min}$ | 14 mm  | Minimum axial space                  |
| $r_{b \max}$ | 4 mm   | Maximum fillet radius of housing     |

### Dimensions

|                |       |                                                   |
|----------------|-------|---------------------------------------------------|
| $r_{3,4 \min}$ | 4 mm  | Minimum chamfer dimension of outer ring back face |
| A              | 54 mm | Width of spacer                                   |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| e     | 0,43 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,55 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,31 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,52 | Static axial load factor                                                             |

### Właściwości

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