



FAG

KLL365348-LL365310

Tapered roller bearing

Tapered roller bearings K-Series, in inch sizes, separable

Informacje techniczne



Twoja aktualna wersja produktu

|                 |          |                                              |
|-----------------|----------|----------------------------------------------|
| Tolerance class | ABMA4    | Class 4 (ANSI/ABMA 19.2:2013)                |
| Heat treatment  | Standard |                                              |
| Cage            | Standard | Sheet steel cage, window cage, roller-guided |
| Quality level   | Standard |                                              |
| Number of rows  | 1        | Single-row design                            |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 384,175 mm  | Bore diameter                     |
| D               | 441,325 mm  | Outside diameter                  |
| B               | 28,575 mm   | Width, inner ring                 |
| C               | 20,638 mm   | Width, outer ring                 |
| T               | 28,575 mm   | Width, total                      |
| C <sub>r</sub>  | 250.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 670.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 56.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.580 1/min | Limiting speed                    |
| n <sub>gr</sub> | 700 1/min   | Thermal speed rating              |
| ≈m              | 6,3 kg      | Masa                              |



### Mounting dimensions

|                   |        |                                      |
|-------------------|--------|--------------------------------------|
| $d_a \text{ max}$ | 393 mm | Maximum diameter of shaft shoulder   |
| $d_b \text{ min}$ | 398 mm | Minimum diameter of shaft shoulder   |
| $D_a \text{ min}$ | 427 mm | Minimum diameter of housing shoulder |
| $D_a \text{ max}$ | 428 mm | Maximum diameter of housing shoulder |
| $D_b \text{ min}$ | 433 mm | Minimum diameter of housing shoulder |
| $C_a \text{ min}$ | 6 mm   | Minimum axial space                  |
| $C_b \text{ min}$ | 8 mm   | Minimum axial space                  |
| $r_a \text{ max}$ | 3,6 mm | Maximum fillet radius of shaft       |
| $r_b \text{ max}$ | 3,3 mm | Maximum fillet radius of housing     |

### Dimensions

|                        |        |                                                   |
|------------------------|--------|---------------------------------------------------|
| $r_{1, 2} \text{ min}$ | 3,6 mm | Minimum chamfer dimension of inner ring back face |
| $r_{3, 4} \text{ min}$ | 3,3 mm | Minimum chamfer dimension of outer ring back face |
| $a$                    | 59 mm  | Distance between the apexes of the pressure cones |
| $d_1$                  | 411 mm | Guidance rib diameter of inner ring               |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,34 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y$   | 1,76 | Dynamic axial load factor                                                            |
| $Y_0$ | 0,97 | Static axial load factor                                                             |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia