



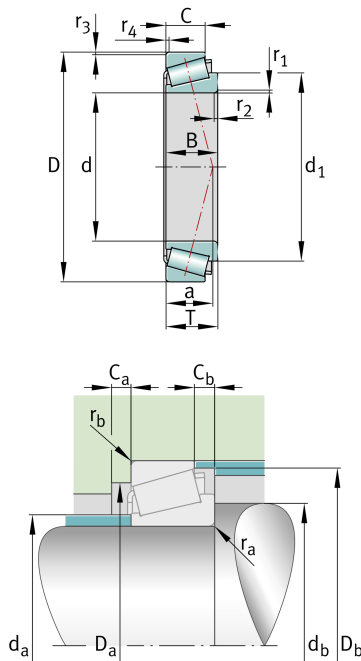
FAG

KLM501349-LM501310

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               | 41,275 mm    | Bore diameter                     |
| D               | 73,431 mm    | Outside diameter                  |
| B               | 19,812 mm    | Width, inner ring                 |
| C               | 14,732 mm    | Width, outer ring                 |
| T               | 19,558 mm    | Width, total                      |
| C <sub>r</sub>  | 55.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 68.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 8.200 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.100 1/min  | Thermal speed rating              |
| ≈m              | 0,345 kg     | Masa                              |



Mounting dimensions

|         |         |                                      |
|---------|---------|--------------------------------------|
| d a max | 46,5 mm | Maximum diameter of shaft shoulder   |
| d b min | 53 mm   | Minimum diameter of shaft shoulder   |
| D a min | 67 mm   | Minimum diameter of housing shoulder |
| D a max | 68 mm   | Maximum diameter of housing shoulder |
| D b min | 70 mm   | Minimum diameter of housing shoulder |
| C a min | 4 mm    | Minimum axial space                  |
| C b min | 4,5 mm  | Minimum axial space                  |
| r a max | 3,6 mm  | Maximum fillet radius of shaft       |
| r b max | 0,8 mm  | Maximum fillet radius of housing     |

Dimensions

|            |         |                                                   |
|------------|---------|---------------------------------------------------|
| r 1, 2 min | 3,6 mm  | Minimum chamfer dimension of inner ring back face |
| r 3, 4 min | 0,8 mm  | Minimum chamfer dimension of outer ring back face |
| a          | 16 mm   | Distance between the apexes of the pressure cones |
| d 1        | 57,2 mm | Guidance rib diameter of inner ring               |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Calculation factors

|     |      |                                                                                  |
|-----|------|----------------------------------------------------------------------------------|
| e   | 0,4  | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y   | 1,5  | Dynamic axial load factor                                                        |
| Y 0 | 0,83 | Static axial load factor                                                         |



### Właściwości

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Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia