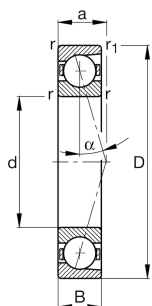
**FAG****B71940-E-T-P4S-UL** 

## Spindle bearing

Spindle bearing B719...-E, adjusted, in pairs or sets, contact angle  $\alpha = 25^\circ$ , restricted tolerances

## Informacje techniczne

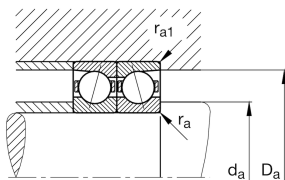
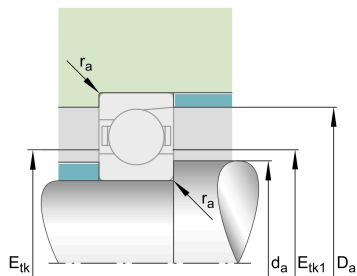


## Twoja aktualna wersja produktu

|                         |         |                                                                  |
|-------------------------|---------|------------------------------------------------------------------|
| Preload class           | L       | Preload light                                                    |
| Contact angle           | E       | Contact angle $25^\circ$                                         |
| Tolerance class         | P4S     | Tolerance class P4S, FAG standard better than P4 to ISO 492:2023 |
| Sealing                 | Without | Not sealed                                                       |
| Cage                    | T       | Laminated fabric cage                                            |
| Arrangement bearing set | U       | Single bearing                                                   |

## Main Dimensions &amp; Performance Data

|                        |             |                                       |
|------------------------|-------------|---------------------------------------|
| d                      | 200 mm      | Bore diameter                         |
| D                      | 280 mm      | Outside diameter                      |
| B                      | 38 mm       | Width                                 |
| $C_r$                  | 199.000 N   | Basic dynamic load rating, radial     |
| $C_{0r}$               | 170.000 N   | Basic static load rating, radial      |
| $C_{ur}$               | 11.600 N    | Fatigue load limit, radial            |
| $n_{G \text{ Grease}}$ | 4.000 1/min | Limiting speed for grease lubrication |
| $n_{G \text{ Oil}}$    | 6.300 1/min | Limiting speed for oil lubrication    |
| $\approx m$            | 5,954 kg    | Masa                                  |





Mounting dimensions

|                      |          |                                                   |
|----------------------|----------|---------------------------------------------------|
| d <sub>a</sub>       | 214 mm   | Diameter shaft shoulder                           |
| d <sub>a</sub>       | h12      | Diameter shaft shoulder clearance                 |
| D <sub>a</sub>       | 266 mm   | Shoulder diameter outer ring                      |
| D <sub>a</sub>       | H12      |                                                   |
| r <sub>a</sub> max   | 1 mm     | Maximum recess radius                             |
| r <sub>a1</sub> max  | 1 mm     | Maximum recess radius                             |
| E <sub>tk</sub> min  | 224,7 mm | Minimum diameter injection pitch                  |
| E <sub>tk</sub> max  | 233,1 mm | Maximum diameter injection pitch                  |
| E <sub>tk1</sub> min | 224,7 mm | Minimum diameter injection pitch                  |
| E <sub>tk1</sub> max | 233,1 mm | Maximum diameter injection pitch                  |
| a                    | 75 mm    | Distance between the apexes of the pressure cones |

Dimensions

|                    |        |                           |
|--------------------|--------|---------------------------|
| r <sub>min</sub>   | 2,1 mm | Minimum chamfer dimension |
| r <sub>1 min</sub> | 1,1 mm | Minimum chamfer dimension |
| α                  | 25 °   | Contact angle             |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |



Additional information

|                   |          |                       |
|-------------------|----------|-----------------------|
| F <sub>V L</sub>  | 1.635 N  | Preload force light   |
| F <sub>V M</sub>  | 5.765 N  | Preload force medium  |
| F <sub>V H</sub>  | 12.127 N | Preload force heavy   |
| K <sub>aE L</sub> | 4.737 N  | Lift-off force light  |
| K <sub>aE M</sub> | 17.199 N | Lift-off force medium |
| K <sub>aE H</sub> | 37.246 N | Lift-off force heavy  |
| c <sub>a L</sub>  | 423 N/μm | Axial rigidity light  |
| c <sub>a M</sub>  | 676 N/μm | Axial rigidity medium |
| c <sub>a H</sub>  | 911 N/μm | Axial rigidity heavy  |

Właściwości

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