

**FAG****B7222-E-T-P4S-UL** 

## Spindle bearing

Spindle bearing B72...-E, adjusted, in pairs or sets, contact angle  $\alpha = 25^\circ$ , restricted tolerances

## Informacje techniczne

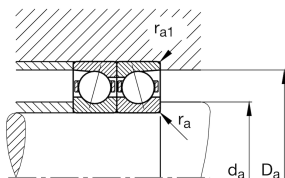


## Twoja aktualna wersja produktu

|                         |         |                                                                  |
|-------------------------|---------|------------------------------------------------------------------|
| 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 |
| Type of Seal            | Without | Not sealed                                                       |
| Cage                    | T       | Laminated fabric cage                                            |
| Arrangement bearing set | U       | Single bearing                                                   |

## Main Dimensions &amp; Performance Data

|                    |             |                                       |
|--------------------|-------------|---------------------------------------|
| d                  | 110 mm      | Bore diameter                         |
| D                  | 200 mm      | Outside diameter                      |
| B                  | 38 mm       | Width                                 |
| $C_r$              | 156.000 N   | Basic dynamic load rating, radial     |
| $C_{0r}$           | 100.000 N   | Basic static load rating, radial      |
| $C_{ur}$           | 8.500 N     | Fatigue load limit, radial            |
| $n_G$<br>Grease    | 6.000 1/min | Limiting speed for grease lubrication |
| $n_{G\text{ Oil}}$ | 9.000 1/min | Limiting speed for oil lubrication    |
| $\approx m$        | 4,527 kg    | Masa                                  |





Mounting dimensions

|                      |          |                                                   |
|----------------------|----------|---------------------------------------------------|
| d <sub>a</sub>       | 126,5 mm | Diameter shaft shoulder                           |
| d <sub>a</sub>       | h12      | Diameter shaft shoulder clearance                 |
| D <sub>a</sub>       | 183,5 mm | Shoulder diameter outer ring                      |
| D <sub>a</sub>       | H12      |                                                   |
| r <sub>a</sub> max   | 2,1 mm   | Maximum recess radius                             |
| r <sub>a1</sub> max  | 1 mm     | Maximum recess radius                             |
| E <sub>tk</sub> min  | 139,7 mm | Minimum diameter injection pitch                  |
| E <sub>tk</sub> max  | 148,7 mm | Maximum diameter injection pitch                  |
| E <sub>tk1</sub> min | 139,7 mm | Minimum diameter injection pitch                  |
| E <sub>tk1</sub> max | 148,7 mm | Maximum diameter injection pitch                  |
| a                    | 55,1 mm  | Distance between the apexes of the pressure cones |

Dimensions

|                    |        |                           |
|--------------------|--------|---------------------------|
| r <sub>min</sub>   | 2,1 mm | Minimum chamfer dimension |
| r <sub>1</sub> min | 2,1 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>  | 1.512 N  | Preload force light   |
| F <sub>V M</sub>  | 4.905 N  | Preload force medium  |
| F <sub>V H</sub>  | 10.048 N | Preload force heavy   |
| K <sub>aE L</sub> | 4.410 N  | Lift-off force light  |
| K <sub>aE M</sub> | 14.777 N | Lift-off force medium |
| K <sub>aE H</sub> | 31.257 N | Lift-off force heavy  |
| c <sub>a L</sub>  | 309 N/μm | Axial rigidity light  |
| c <sub>a M</sub>  | 484 N/μm | Axial rigidity medium |
| c <sub>a H</sub>  | 650 N/μm | Axial rigidity heavy  |

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Smarowanie smarem
- 

Smarowanie olejem
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Bez uszczelnienia