



FAG

**B7032-E-T-P4S-UL**

Spindle bearing

Spindle bearing B70...-E, adjusted, in pairs or sets, contact angle  $\alpha = 25^\circ$ , restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

|                         |         |                                                                  |
|-------------------------|---------|------------------------------------------------------------------|
| Preload                 | L       | Preload light                                                    |
| Contact angle           | E       | Contact angle 25°                                                |
| 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 & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 160 mm      | Bore diameter                         |
| D                     | 240 mm      | Outside diameter                      |
| B                     | 38 mm       | Width                                 |
| C <sub>r</sub>        | 182.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 138.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>       | 10.400 N    | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 5.000 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 7.500 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 4,945 kg    | Masa                                  |





### Mounting dimensions

|                |          |                                                   |
|----------------|----------|---------------------------------------------------|
| $d_a$          | 174 mm   | Diameter shaft shoulder                           |
| $d_a$          | h12      | Diameter shaft shoulder clearance                 |
| $D_a$          | 228 mm   | Shoulder diameter outer ring                      |
| $D_a$          | H12      |                                                   |
| $r_{a \max}$   | 2,1 mm   | Maximum recess radius                             |
| $r_{a1 \max}$  | 1 mm     | Maximum recess radius                             |
| $E_{tk \min}$  | 184,7 mm | Minimum diameter injection pitch                  |
| $E_{tk \max}$  | 193,4 mm | Maximum diameter injection pitch                  |
| $E_{tk1 \min}$ | 184,7 mm | Minimum diameter injection pitch                  |
| $E_{tk1 \max}$ | 193,4 mm | Maximum diameter injection pitch                  |
| $a$            | 65,6 mm  | Distance between the apexes of the pressure cones |

### Dimensions

|              |        |                           |
|--------------|--------|---------------------------|
| $r_{\min}$   | 2,1 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 2,1 mm | Minimum chamfer dimension |
| $\alpha$     | 25 °   | Contact angle             |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |



Additional information

|           |                |                       |
|-----------|----------------|-----------------------|
| $F_{VL}$  | 1.715 N        | Preload force light   |
| $F_{VM}$  | 5.606 N        | Preload force medium  |
| $F_{VH}$  | 11.519 N       | Preload force heavy   |
| $K_{aEL}$ | 4.988 N        | Lift-off force light  |
| $K_{aEM}$ | 16.807 N       | Lift-off force medium |
| $K_{aEH}$ | 35.587 N       | Lift-off force heavy  |
| $c_{aL}$  | 385 N/ $\mu$ m | Axial rigidity light  |
| $c_{aM}$  | 601 N/ $\mu$ m | Axial rigidity medium |
| $c_{aH}$  | 806 N/ $\mu$ m | 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
- 

Bez uszczelnienia