

**FAG****7432-B-MPB**

Angular contact ball bearing

Angular contact ball bearing 74..-B-MPB,  
single row, solid brass cage

## Technical information



## Your current product variant

|                                  |         |   |
|----------------------------------|---------|---|
| Design variant                   | B       | B                                       |
| Sealing                          | Without | Not sealed                              |
| Cage                             | MPB     | Solid brass cage, inner ring guided     |
| Tolerance class                  | PN      | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S1      | Rings dimensional stabilized up to 200° |
| Lubricant                        | Without | Bearing not greased                     |

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 160 mm      | Bore diameter                     |
| D        | 400 mm      | Outside diameter                  |
| B        | 88 mm       | Width                             |
| $C_r$    | 465.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 640.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 20.000 N    | Fatigue load limit, radial        |
| $n_G$    | 2.550 1/min | Limiting speed                    |
| $n_{gr}$ | 1.650 1/min | Reference speed                   |
| $m$      | 56,8 kg     | Weight                            |





### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 184 mm | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 376 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 387 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 4 mm   | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 2 mm   | Maximum fillet radius of housing     |

### Dimensions

|              |           |   |
|--------------|-----------|---|
| $r_{\min}$   | 5 mm      | Minimum chamfer dimension                         |
| $r_{1 \min}$ | 2 mm      | Minimum chamfer dimension                         |
| $D_1$        | 307,15 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 257,8 mm  | Shoulder diameter on inner ring wide side face    |
| $a$          | 161,5 mm  | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °      | Contact angle                                     |

### Temperature range

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

### Characteristics

|   |                             |
|---|-----------------------------|
|  | Radial load                 |
|  | Axial load in one direction |
|  | Grease Lubrication          |
|  | Oil Lubrication             |
|  | Not sealed                  |
|  | Large bearing               |