

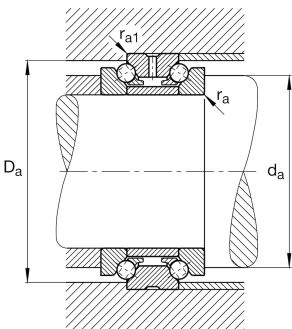
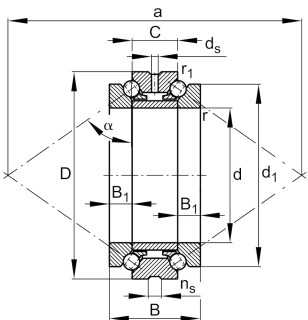
FAG

234416-M-SP

Axial angular contact ball bearing

Axial angular contact ball bearings 2344, double direction, separable, restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

|                 |    |                    |
|-----------------|----|--------------------|
| Cage            | M  | Brass Cage         |
| Tolerance class | SP | Tolerance class SP |

Main Dimensions & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 80 mm       | Bore diameter                         |
| D                     | 125 mm      | Outside diameter                      |
| B                     | 54 mm       | Width                                 |
| C                     | 27 mm       | Width, outer ring                     |
| C <sub>a</sub>        | 57.000 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>       | 173.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>       | 15.700 N    | Fatigue load limit, axial             |
| n <sub>G Grease</sub> | 4.500 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 6.000 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 2,155 kg    | Masa                                  |



### Mounting dimensions

|               |         |                                                   |
|---------------|---------|---------------------------------------------------|
| $d_a$         | 98,5 mm | Diameter shaft shoulder                           |
| $d_a$         | H12     | Diameter shaft shoulder clearance                 |
| $D_a$         | 117 mm  | Shoulder diameter outer ring                      |
| $D_a$         | H12     | Shoulder diameter outer ring clearance            |
| $r_{a \max}$  | 1,1 mm  | Maximum recess radius                             |
| $r_{a1 \max}$ | 0,3 mm  | Maximum recess radius                             |
| $\alpha$      | 60 °    | Contact angle                                     |
| $a$           | 207 mm  | Distance between the apexes of the pressure cones |

### Dimensions

|              |         |                             |
|--------------|---------|-----------------------------|
| $d_1$        | 110 mm  | Rip diameter shaft washer   |
| $B_1$        | 13,5 mm | Height wave disc            |
| $r_{\min}$   | 1,1 mm  | Minimum chamfer dimension   |
| $r_{1 \min}$ | 0,3 mm  | Minimum chamfer dimension   |
| $d_s$        | 3,2 mm  | Diameter lubrication hole   |
| $n_s$        | 6,5 mm  | Width of lubricating groove |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

### Additional information

|          |          |                |
|----------|----------|----------------|
| $c_a$    | 640 N/μm | Axial rigidity |
| $K_{aE}$ | 1.140 N  | Lift-off force |
| $F_v$    | 400 N    | Preload force  |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia