

**FAG****234406-M-SP**

Axial angular contact ball bearing

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

Technical information



Your current product variant

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

Main Dimensions & Performance Data

| | | |
|-----------------------|--------------|---------------------------------------|
| d | 30 mm | Bore diameter |
| D | 55 mm | Outside diameter |
| B | 32 mm | Width |
| C | 16 mm | Width, outer ring |
| C _a | 15.700 N | Basic dynamic load rating, axial |
| C _{0a} | 38.500 N | Basic static load rating, axial |
| C _{ua} | 3.600 N | Fatigue load limit, axial |
| n _{G Grease} | 11.000 1/min | Limiting speed for grease lubrication |
| n _{G Oil} | 16.000 1/min | Limiting speed for oil lubrication |
| ≈m | 291,03 g | Weight |



Mounting dimensions

| | | |
|---------------|---------|---|
| d_a | 40,5 mm | Diameter shaft shoulder |
| d_a | H12 | Diameter shaft shoulder clearance |
| D_a | 50,5 mm | Shoulder diameter outer ring |
| D_a | H12 | Shoulder diameter outer ring clearance |
| $r_{a \max}$ | 1 mm | Maximum recess radius |
| $r_{a1 \max}$ | 0,15 mm | Maximum recess radius |
| α | 60 ° | Contact angle |
| a | 91,5 mm | Distance between the apexes of the pressure cones |

Dimensions

| | | |
|--------------|---------|-----------------------------|
| d_1 | 47 mm | Rip diameter shaft washer |
| B_1 | 8 mm | Height wave disc |
| r_{\min} | 1 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 0,15 mm | Minimum chamfer dimension |
| d_s | 3,2 mm | Diameter lubrication hole |
| n_s | 4,8 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 | 276 N/μm | Axial rigidity |
| K_{aE} | 308 N | Lift-off force |
| F_v | 108 N | Preload force |



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed