

**FAG****234416-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 | 80 mm | Bore diameter |
| D | 125 mm | Outside diameter |
| B | 54 mm | Width |
| C | 27 mm | Width, outer ring |
| C _a | 57.000 N | Basic dynamic load rating, axial |
| C _{0a} | 173.000 N | Basic static load rating, axial |
| C _{ua} | 15.700 N | Fatigue load limit, axial |
| n _{G Grease} | 4.500 1/min | Limiting speed for grease lubrication |
| n _{G Oil} | 6.000 1/min | Limiting speed for oil lubrication |
| m | 2,155 kg | Weight |



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 |
| α | 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 |



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed