

**FAG****234424-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 &amp; Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	72 mm	Width
C	36 mm	Width, outer ring
C <sub>a</sub>	101.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	350.000 N	Basic static load rating, axial
C <sub>ua</sub>	26.000 N	Fatigue load limit, axial
n <sub>G Grease</sub>	3.200 1/min	Limiting speed for grease lubrication
n <sub>G Oil</sub>	4.300 1/min	Limiting speed for oil lubrication
m	5,81 kg	Weight



### Mounting dimensions

$d_a$	144,5 mm	Diameter shaft shoulder
$d_a$	H12	Diameter shaft shoulder clearance
$D_a$	170 mm	Shoulder diameter outer ring
$D_a$	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	2 mm	Maximum recess radius
$r_{a1 \max}$	0,6 mm	Maximum recess radius
$\alpha$	60 °	Contact angle
$a$	300 mm	Distance between the apexes of the pressure cones

### Dimensions

$d_1$	160 mm	Rip diameter shaft washer
$B_1$	18 mm	Height wave disc
$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
$d_s$	4,8 mm	Diameter lubrication hole
$n_s$	9,5 mm	Width of lubricating groove

### Temperature range

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

### Additional information

$c_a$	996 N/μm	Axial rigidity
$K_{aE}$	2.736 N	Lift-off force
$F_v$	960 N	Preload force



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed