

**FAG****234436-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	180 mm	Bore diameter
D	280 mm	Outside diameter
B	120 mm	Width
C	60 mm	Width, outer ring
C _a	237.000 N	Basic dynamic load rating, axial
C _{0a}	880.000 N	Basic static load rating, axial
C _{ua}	53.000 N	Fatigue load limit, axial
n _{G Grease}	2.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	3.000 1/min	Limiting speed for oil lubrication
m	23,549 kg	Weight



Mounting dimensions

d_a	221 mm	Diameter shaft shoulder
d_a	H12	Diameter shaft shoulder clearance
D_a	263 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	2,1 mm	Maximum recess radius
$r_{a1 \max}$	0,6 mm	Maximum recess radius
α	60 °	Contact angle
a	465,5 mm	Distance between the apexes of the pressure cones

Dimensions

d_1	248 mm	Rip diameter shaft washer
B_1	30 mm	Height wave disc
r_{\min}	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
d_s	8 mm	Diameter lubrication hole
n_s	15 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	1,315 N/ μ m	Axial rigidity
K_{aE}	4,733 N	Lift-off force
F_v	1,660 N	Preload force



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed