

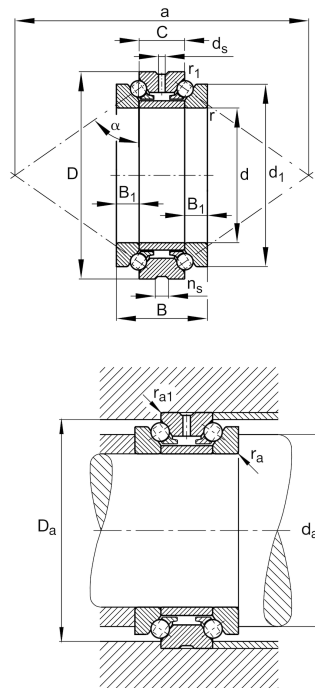
FAG

234420-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	100 mm	Bore diameter
D	150 mm	Outside diameter
B	60 mm	Width
C	30 mm	Width, outer ring
C _a	68.000 N	Basic dynamic load rating, axial
C _{0a}	229.000 N	Basic static load rating, axial
C _{ua}	18.800 N	Fatigue load limit, axial
n _{G Grease}	3.800 1/min	Limiting speed for grease lubrication
n _{G Oil}	5.000 1/min	Limiting speed for oil lubrication
≈m	3,165 kg	Weight



Mounting dimensions

d_a	120,5 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	140,5 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	1,5 mm	Maximum recess radius
$r_{a1 \max}$	0,3 mm	Maximum recess radius
α	60 °	Contact angle
a	249,5 mm	Distance between the apexes of the pressure cones

Dimensions

d_1	133 mm	Rip diameter shaft washer
B_1	15 mm	Height wave disc
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 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	843 N/μm	Axial rigidity
K_{aE}	1.956 N	Lift-off force
F_v	685 N	Preload force



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed