

**FAG****234414-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	70 mm	Bore diameter
D	110 mm	Outside diameter
B	48 mm	Width
C	24 mm	Width, outer ring
C _a	45.500 N	Basic dynamic load rating, axial
C _{0a}	133.000 N	Basic static load rating, axial
C _{ua}	12.300 N	Fatigue load limit, axial
n _{G Grease}	5.300 1/min	Limiting speed for grease lubrication
n _{G Oil}	7.000 1/min	Limiting speed for oil lubrication
m	1,493 kg	Weight



Mounting dimensions

d_a	86,5 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	103,5 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	183 mm	Distance between the apexes of the pressure cones

Dimensions

d_1	97 mm	Rip diameter shaft washer
B_1	12 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	552 N/μm	Axial rigidity
K_{aE}	926 N	Lift-off force
F_v	325 N	Preload force



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed