

FAG

★ 234414-M-SP

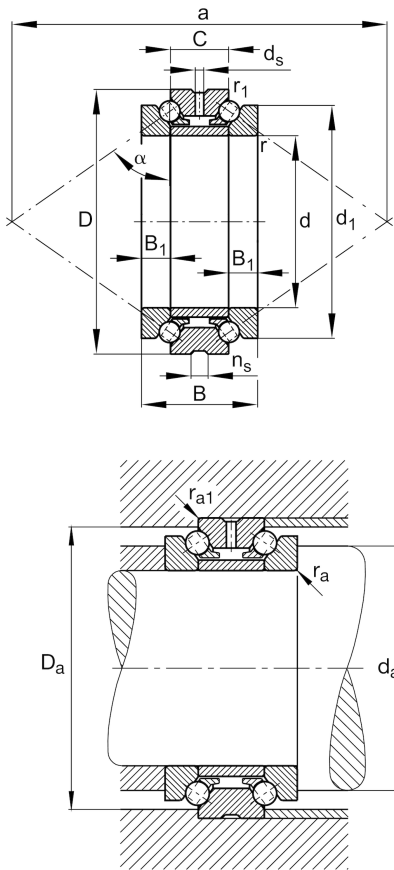
Axial angular contact ball bearing

Schaeffler ID:
0190388360000

Axial angular contact ball bearings 2344,
double direction, separable, restricted
tolerances

★ Preferred product

Technical information



Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.
	1,493 kg	Weight

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

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

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

Additional information

c _a	552 N/μm	Axial rigidity
K _{aE}	926 N	Lift-off force
F _v	325 N	Preload force