

FAG

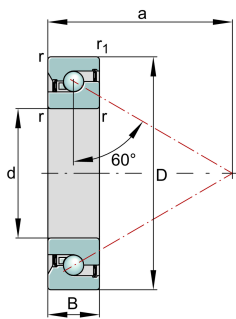
BSB45100-2Z-SU-XL [↗](#)

Axial angular contact ball bearing

Axial angular contact ball bearing BSB...-2Z-SU-XL, single direction, no screw mounting

X-life

Technical information



Your current product variant

Cage	Standard	Polyamide cage
Sealing	2Z	Minimal gap seal on both sides
Arrangement bearing set	SU	Single bearing
Lubricant	Without	Not greased



Main Dimensions & Performance Data

d	45 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,006 mm	Bore diameter lower tolerance
D	100 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,008 mm	Outside diameter lower tolerance
B	20 mm	Width
	0 mm	Width upper tolerance
	-0,12 mm	Width lower tolerance
C _a	68.000 N	Basic dynamic load rating, axial
C _{0a}	172.000 N	Basic static load rating, axial
C _{ua}	10.400 N	Fatigue load limit, axial
n _G Grease	4.000 1/min	Limiting speed for grease lubrication
n _g	2.700 1/min	Thermally safe operating speed
≈m	0,812 kg	Weight

Mounting dimensions

D _a	85,5 mm	Diameter of housing
D _a	H12	Diameter of housing clearance
d _a	64,5 mm	Diameter shaft
d _a	h12	Diameter shaft clearance

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
r _{1 min}	1,5 mm	Minimum chamfer dimension
a	75 mm	Distance between the apexes of the pressure cones
α	60 °	Contact angle








Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Additional information

M_R	0,33 Nm	Bearing frictional torque
c_{aL}	1.473 N/μm	Rigidity axial
	2,5 μm	Axial runout
	ZM50	Recommended INA precision locknut for radial locking
	AM50	Recommended INA precision locknut for axial locking
M_A	120 Nm	Tightening torque for the recommended INA precision locknut
	23.770 N	Required locknut force axial

Characteristics

-  Radial load
-  Axial load in one direction
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides