

FAG

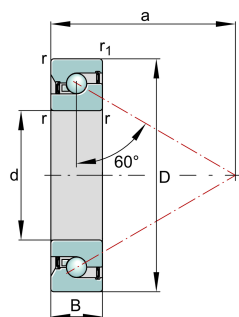
BSB45100-2Z-SU-XL

Axial angular contact ball bearing

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

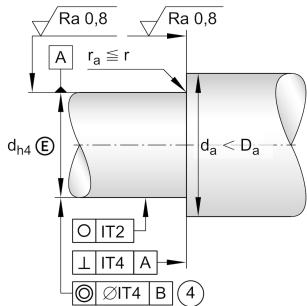
X-life

Informacje techniczne



Twoja aktualna wersja produktu

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	Masa

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

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne