



FAG

BSB2047-SU-XL

Axial angular contact ball bearing

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

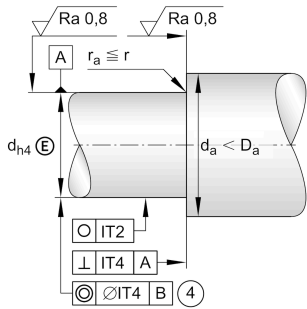
X-life

Technical information



Your current product variant

Cage	Standard	Polyamide cage
Sealing	Without	
Arrangement bearing set	SU	Single bearing
Lubricant	Without	Not greased



Main Dimensions & Performance Data

d	20 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	47 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,006 mm	Outside diameter lower tolerance
B	15 mm	Width
	0 mm	Width upper tolerance
	-0,12 mm	Width lower tolerance
C _a	28.500 N	Basic dynamic load rating, axial
C _{0a}	47.000 N	Basic static load rating, axial
C _{ua}	2.850 N	Fatigue load limit, axial
n _{G Grease}	8.700 1/min	Limiting speed for grease lubrication
n _g	6.200 1/min	Thermally safe operating speed
≈m	0,121 kg	Weight

Mounting dimensions

D _a	43 mm	Diameter of housing
D _a	H12	Diameter of housing clearance
d _a	27 mm	Diameter shaft
d _a	h12	Diameter shaft clearance

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
a	29,9 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	0,08 Nm	Bearing frictional torque
c_{aL}	764 N/μm	Rigidity axial
	2 μm	Axial runout
	ZM20	Recommended INA precision locknut for radial locking
	AM20	Recommended INA precision locknut for axial locking
M_A	18 Nm	Tightening torque for the recommended INA precision locknut
	9.000 N	Required locknut force axial

Characteristics

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