



**FAG**

**BSB55120-SU-XL-L055** [↗](#)

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
Type of Seal	Without	
Arrangement bearing set	SU	Single bearing
Lubricant	L055	Greased with Arcanol MULTITOP (L055)



### Main Dimensions & Performance Data

d	55 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,007 mm	Bore diameter lower tolerance
D	120 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
	-0,15 mm	Width lower tolerance
$C_a$	71.000 N	Basic dynamic load rating, axial
$C_{0a}$	196.000 N	Basic static load rating, axial
$C_{ua}$	11.900 N	Fatigue load limit, axial
$n_G$ Grease	3.800 1/min	Limiting speed for grease lubrication
$n_g$	2.300 1/min	Thermally safe operating speed
$\approx m$	1,18 kg	Weight

### Mounting dimensions

$D_a$	100,5 mm	Diameter of housing
$D_a$	H12	Diameter of housing clearance
$d_a$	79,5 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	88 mm	Distance between the apexes of the pressure cones
$\alpha$	60 °	Contact angle





### Temperature range

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

### Additional information

$M_R$	0,38 Nm	Bearing frictional torque
$c_{aL}$	1.623 N/μm	Rigidity axial
	2,5 μm	Axial runout
	ZM60	Recommended INA precision locknut for radial locking
	AM60	Recommended INA precision locknut for axial locking
$M_A$	120 Nm	Tightening torque for the recommended INA precision locknut
	20.020 N	Required locknut force axial

### Characteristics

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