

FAG

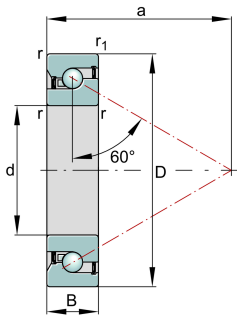
BSB3062-2Z-SU-XL [↗](#)

Axial angular contact ball bearing

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

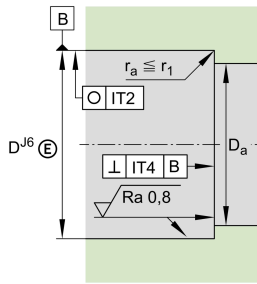
X-life

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 | L055 | Greased with Arcanol MULTITOP (L055) |



Main Dimensions & Performance Data

| | | |
|-----------------|-------------|---------------------------------------|
| d | 30 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,005 mm | Bore diameter lower tolerance |
| D | 62 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,007 mm | Outside diameter lower tolerance |
| B | 15 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,12 mm | Width lower tolerance |
| C_a | 32.000 N | Basic dynamic load rating, axial |
| C_{0a} | 64.000 N | Basic static load rating, axial |
| C_{ua} | 3.850 N | Fatigue load limit, axial |
| n_G Grease | 6.700 1/min | Limiting speed for grease lubrication |
| n_g | 5.400 1/min | Thermally safe operating speed |
| $\approx m$ | 0,214 kg | Weight |

Mounting dimensions

| | | |
|-------|-------|-------------------------------|
| D_a | 54 mm | Diameter of housing |
| D_a | H12 | Diameter of housing clearance |
| d_a | 38 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 | 39,4 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 | 0,13 Nm | Bearing frictional torque |
| c_{aL} | 1.034 N/μm | Rigidity axial |
| | 2,5 μm | Axial runout |
| | ZM30 | Recommended INA precision locknut for radial locking |
| | AM30 | Recommended INA precision locknut for axial locking |
| M_A | 32 Nm | Tightening torque for the recommended INA precision locknut |
| | 11.080 N | Required locknut force axial |

Characteristics

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