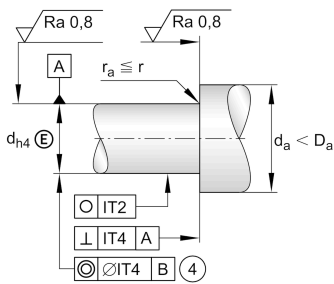
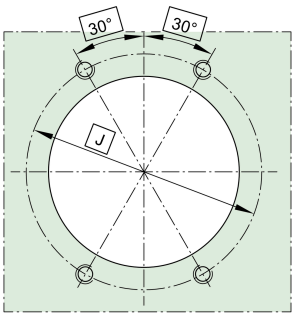
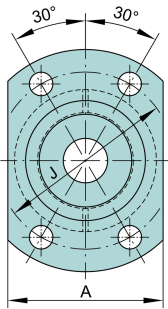


**ZKLFA0850-2Z**

Axial angular contact ball bearing

Angular contact ball bearing units
ZKLFA.-2Z, double direction, for screw
mounting, gap seals on both sides

Technical information

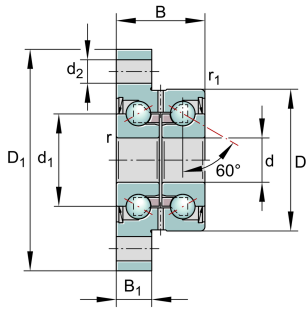


Your current product variant

Sealing	2Z	Minimal gap seal on both sides
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Main Dimensions & Performance Data

d	8 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	32 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	20 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	12.500 N	Basic dynamic load rating, axial
C _{0a}	16.300 N	Basic static load rating, axial
C _{ua}	740 N	Fatigue load limit, axial
n _G Grease	15.500 1/min	Limiting speed for grease lubrication
n _g	9.500 1/min	Thermally permissible speed
≈m	0,132 kg	Weight



Mounting dimensions

$d_{a \min}$	11 mm	Minimum diameter shaft shoulder
$d_{a \max}$	25 mm	Maximum diameter of shaft shoulder
t_1	0,1 mm	Position tolerance
	M5	Screw size

n_a	4	Number of screws
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Dimensions

d_1	19 mm	Rib diameter inner ring
r_{\min}	0,3 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
B_1	8 mm	Thickness of flange

d_2	5,5 mm	Fixing boring diameter
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J	40 mm	Pitch circle diameter (holes)
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A	35 mm	Flange width
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Temperature range

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

Additional information

M_{RL}	0,04 Nm	Bearing friction torque
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c_{aL}	250 N/ μ m	Rigidity axial
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c_{kL}	20 Nm/mrad	Tilting stiffness
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M_m	0,02 kg*cm ²	Mass moment of inertia
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	2 μ m	Axial runout
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	ZM08	Recommended INA precision locknut for radial locking (not included)
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M_A	4 Nm	Tightening torque nut
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	3.468 N	Locknut force axial
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Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides