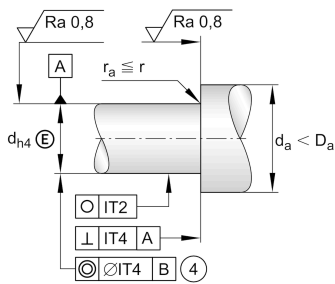
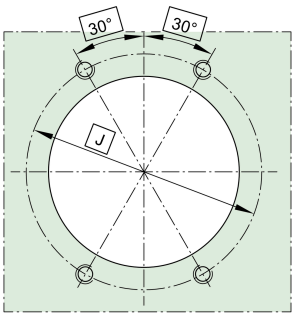
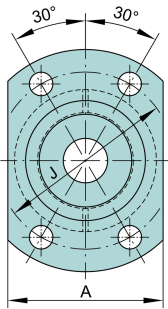


**ZKLFA0630-2Z**

Axial angular contact ball bearing

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

Technical information

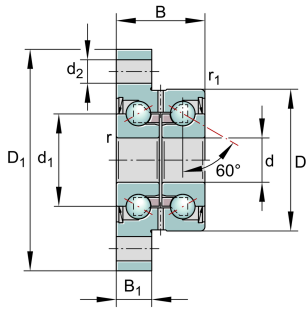


Your current product variant

Type of Seal	2Z	Minimal gap seal on both sides
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Main Dimensions & Performance Data

d	6 mm	Bore diameter
	0,002 mm	Bore diameter upper tolerance
	-0,003 mm	Bore diameter lower tolerance
D	19 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	12 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	4.550 N	Basic dynamic load rating, axial
C _{0a}	5.700 N	Basic static load rating, axial
C _{ua}	260 N	Fatigue load limit, axial
n _G Grease	22.800 1/min	Limiting speed for grease lubrication
n _g	14.000 1/min	Thermally permissible speed
≈m	38,5 g	Weight



Mounting dimensions

$d_{a \min}$	9 mm	Minimum diameter shaft shoulder
$d_{a \max}$	15 mm	Maximum diameter of shaft shoulder
t_1	0,1 mm	Position tolerance
	M3	Screw size

n_a	4	Number of screws
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Dimensions

d_1	12 mm	Rib diameter inner ring
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r_{\min}	0,3 mm	Minimum chamfer dimension
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$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
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B_1	5 mm	Thickness of flange
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d_2	3,5 mm	Fixing boring diameter
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J	24 mm	Pitch circle diameter (holes)
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A	22 mm	Flange width
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Temperature range

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

M_{RL}	0,01 Nm	Bearing friction torque
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c_{aL}	150 N/ μ m	Rigidity axial
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c_{kL}	4 Nm/mrad	Tilting stiffness
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M_m	0,002 kg*cm ²	Mass moment of inertia
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	2 μ m	Axial runout
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	ZM06	Recommended INA precision locknut for radial locking (not included)
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M_A	2 Nm	Tightening torque nut
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	2.010 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