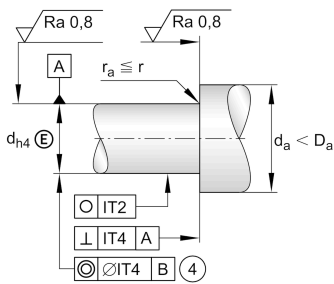
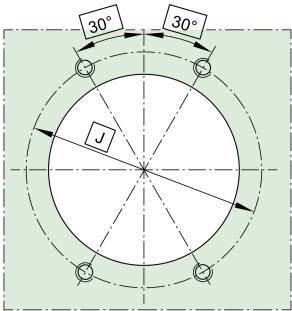
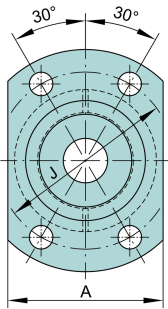


**ZKLFA0640-2Z**

## Axial angular contact ball bearing

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

## Technical information

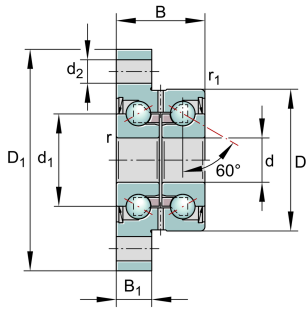


## Your current product variant

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

d	6 mm	Bore diameter
	0,002 mm	Bore diameter upper tolerance
	-0,003 mm	Bore diameter lower tolerance
D	24 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	15 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C <sub>a</sub>	6.900 N	Basic dynamic load rating, axial
C <sub>0a</sub>	8.500 N	Basic static load rating, axial
C <sub>ua</sub>	385 N	Fatigue load limit, axial
n <sub>G</sub> Grease	19.900 1/min	Limiting speed for grease lubrication
n <sub>g</sub>	12.000 1/min	Thermally permissible speed
≈m	59 g	Weight



### Mounting dimensions

$d_{a \min}$	9 mm	Minimum diameter shaft shoulder
$d_{a \max}$	18 mm	Maximum diameter of shaft shoulder
$t_1$	0,1 mm	Position tolerance
	M4	Screw size

$n_a$	4	Number of screws
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### Dimensions

$d_1$	14 mm	Rib diameter inner ring
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$r_{\min}$	0,3 mm	Minimum chamfer dimension
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$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
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$B_1$	6 mm	Thickness of flange
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$d_2$	4,5 mm	Fixing boring diameter
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J	32 mm	Pitch circle diameter (holes)
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A	27 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

$M_{RL}$	0,02 Nm	Bearing friction torque
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$c_{aL}$	200 N/ $\mu$ m	Rigidity axial
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$c_{kL}$	8 Nm/mrad	Tilting stiffness
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$M_m$	0,004 kg $\cdot$ cm <sup>2</sup>	Mass moment of inertia
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	2 $\mu$ 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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	2.404 N	Locknut force axial
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### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides