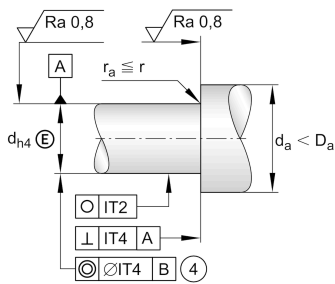
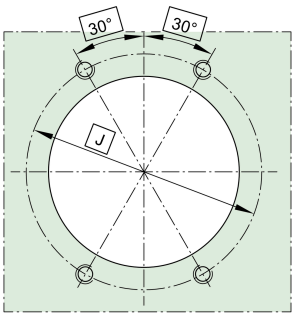
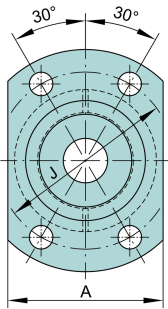


**ZKLFA1563-2Z**

## Axial angular contact ball bearing

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

## Technical information

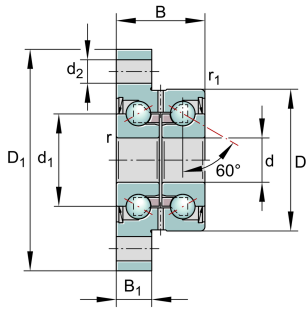


## Your current product variant

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

d	15 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	42 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	25 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C <sub>a</sub>	18.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	28.500 N	Basic static load rating, axial
C <sub>ua</sub>	1.300 N	Fatigue load limit, axial
n <sub>G</sub> Grease	10.800 1/min	Limiting speed for grease lubrication
n <sub>g</sub>	7.000 1/min	Thermally permissible speed
≈m	0,26 kg	Weight



### Mounting dimensions

$d_{a \min}$	20 mm	Minimum diameter shaft shoulder
$d_{a \max}$	34 mm	Maximum diameter of shaft shoulder
$t_1$	0,1 mm	Position tolerance
	M6	Screw size

$n_a$	4	Number of screws
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### Dimensions

$d_1$	28 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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$B_1$	10 mm	Thickness of flange
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$d_2$	6,8 mm	Fixing boring diameter
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J	53 mm	Pitch circle diameter (holes)
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A	45 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

$M_{RL}$	0,1 Nm	Bearing friction torque
$c_{aL}$	400 N/ $\mu$ m	Rigidity axial
$c_{kL}$	65 Nm/mrad	Tilting stiffness
$M_m$	0,102 kg $\cdot$ cm <sup>2</sup>	Mass moment of inertia
	2 $\mu$ m	Axial runout
	ZM15	Recommended INA precision locknut for radial locking (not included)
	AM15	Recommended INA precision locknut for axial locking (not included)
$M_A$	10 Nm	Tightening torque nut
	5.484 N	Locknut force axial

### Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-   $F_a$  Axial load in two directions
-   $L_h$  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides