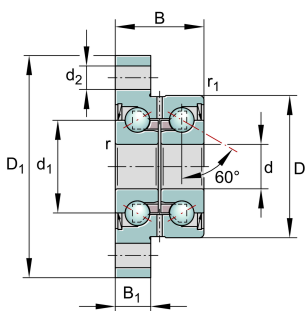
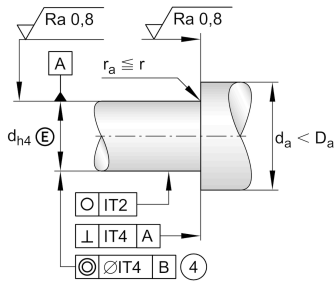
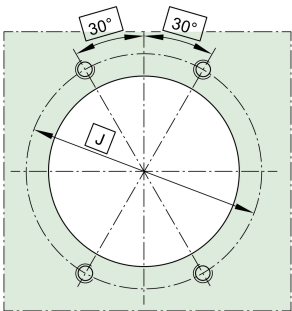


**ZKLFA0850-2RS**

## Axial angular contact ball bearing

Angular contact ball bearing units  
ZKLFA..-2RS, double direction, for screw  
mounting, lip seals on both sides, with  
flattened flange

## Technical information

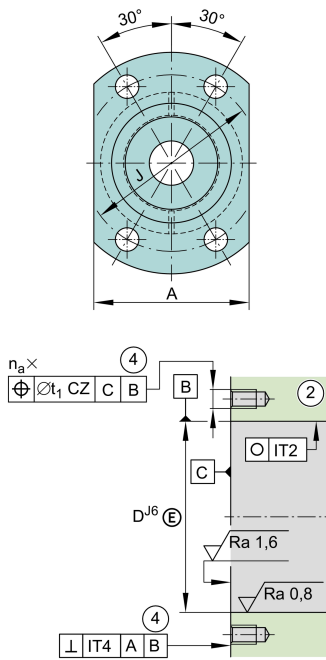


## Your current product variant

Sealing	2RS	Contact lip seal on both sides
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## Main Dimensions &amp; 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 <sub>a</sub>	12.500 N	Basic dynamic load rating, axial
C <sub>0a</sub>	16.300 N	Basic static load rating, axial
C <sub>ua</sub>	740 N	Fatigue load limit, axial
n <sub>G</sub> Grease	12.100 1/min	Limiting speed for grease lubrication
n <sub>g</sub>	5.100 1/min	Thermally permissible speed
m	0,131 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
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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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$B_1$	8 mm	Thickness of flange
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$d_2$	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.
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$T_{\max}$	120 °C	Operating temperature max.
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### Additional information

$M_{RL}$	0,08 Nm	Bearing friction torque
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$c_{aL}$	250 N/ $\mu\text{m}$	Rigidity axial
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$c_{kL}$	20 Nm/mrad	Tilting stiffness
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$M_m$	0,02 kg*cm <sup>2</sup>	Mass moment of inertia
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	2 $\mu\text{m}$	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

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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