

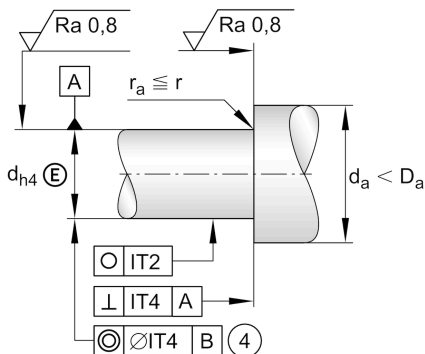
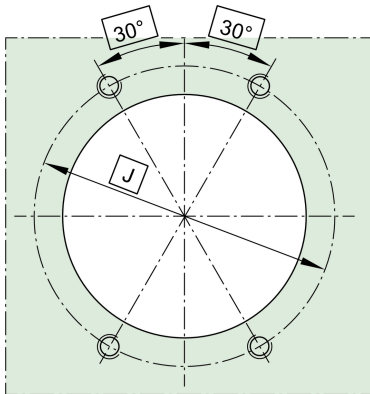
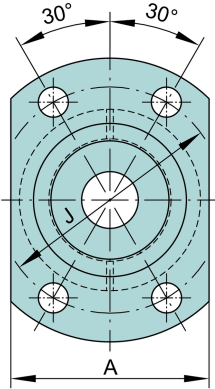
## ZKLFA0640-2Z

### Axial angular contact ball bearing

Schaeffler ID:  
0001302570000

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

## Technical information



### Main Dimensions & Performance Data

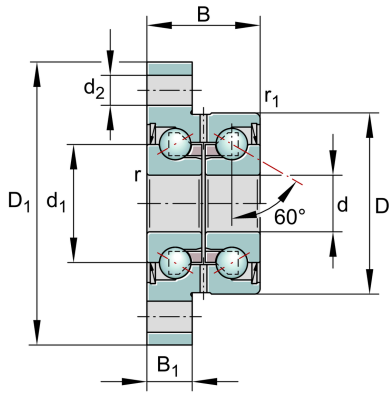
d	6 mm	Bore diameter
	0,002 mm	Bore diameter upper tolerance
	-0,003 mm	Bore diameter lower tolerance
D	24 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	15 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C <sub>a</sub>	6.900 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 Grease</sub>	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 <sub>a min</sub>	9 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	18 mm	Maximum diameter of shaft shoulder
t <sub>1</sub>	0,1 mm	position tolerance
	M4	Screw size
n <sub>a</sub>	4	Number of screws

### Dimensions

d <sub>1</sub>	14 mm	Rib diameter inner ring
r <sub>min</sub>	0,3 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0,6 mm	Minimum chamfer dimension
B <sub>1</sub>	6 mm	Thickness of flange
d <sub>2</sub>	4,5 mm	Fixing boring diameter
J	32 mm	Pitch circle diameter (holes)
A	27 mm	Flange width



**Temperature range**

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

**Additional information**

$M_{RL}$	0,02 Nm	Bearing friction torque
$c_{aL}$	200 N/μm	Rigidity axial
$c_{kL}$	8 Nm/mrad	Tilting stiffness
$M_m$	0,0044 kg*cm <sup>2</sup>	Mass moment of inertia
	2 μm	Axial runout
	ZM06	recommended INA precision locknut for radial locking (not included)
$M_A$	2 Nm	Tightening torque nut
	2.404 N	Locknut force axial

