

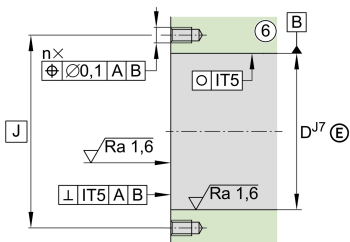
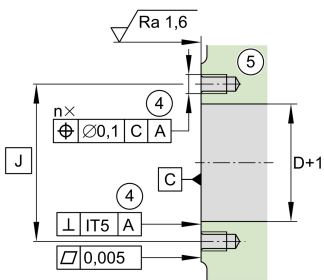
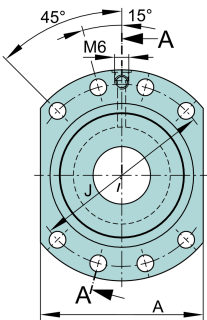
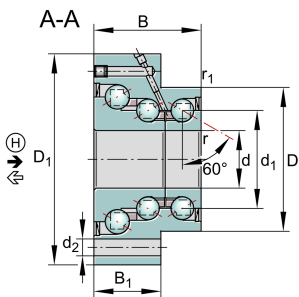


## DKLFA40140-2RS

Axial angular contact ball bearing

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

### Technical information

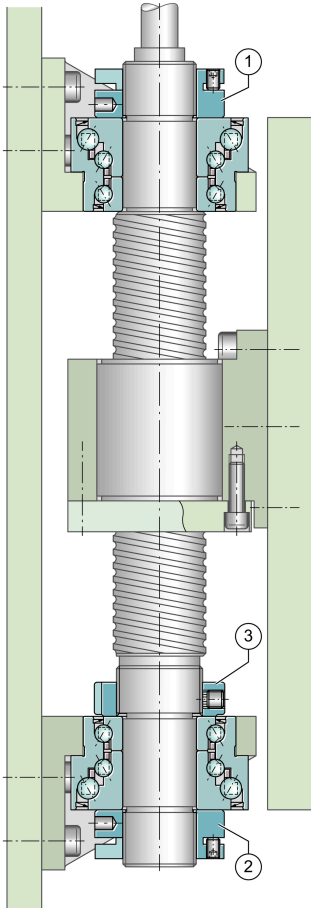
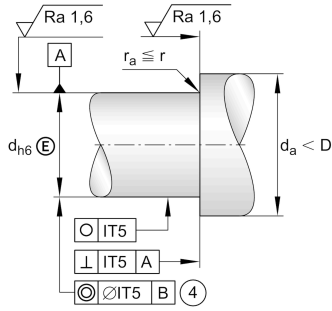


### Your current product variant

Sealing	2RS	Contact lip seals on both sides
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### Main Dimensions & Performance Data

d	40 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,01 mm	Bore diameter lower tolerance
D	90 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,013 mm	Outside diameter lower tolerance
B	60 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C <sub>a</sub>	127.000 N	Basic dynamic load rating, axial HL
C <sub>a</sub>	72.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	365.000 N	Basic static load rating, axial HL
C <sub>0a</sub>	149.000 N	Basic static load rating, axial
C <sub>ua</sub>	9.500 N	Fatigue load limit, axial HL
C <sub>ua</sub>	6.600 N	Fatigue load limit, axial
n <sub>G</sub> Grease	2.900 1/min	Limiting speed for grease lubrication
n <sub>g</sub>	1.200 1/min	Thermally permissible speed
≈m	3,48 kg	Weight



### Mounting dimensions

$d_{a \min}$	56 mm	Minimum diameter shaft shoulder
$d_{a \max}$	80 mm	Maximum diameter of shaft shoulder
	M10	Fixing screws DIN EN ISO 4762 10.9 (not included)
n	8	Number of screws

### Dimensions

$d_1$	65 mm	Rib diameter inner ring
$D_1$	140 mm	Flange diameter
$r_{\min}$	0,3 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension 1
$B_1$	35 mm	Thickness of flange
$d_2$	11 mm	Fixing boring diameter
J	118 mm	Pitch circle diameter (holes)
A	110 mm	Flange width

### Temperature range







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



### Additional information

$M_{RL}$	2,5 Nm	Bearing friction torque
$c_{aL}$	1.800 N/ $\mu$ m	Rigidity axial
$c_{aL}$	2.000 N/ $\mu$ m	Rigidity axial (HL)
$c_{kL}$	1.370 Nm/mrad	Tilting stiffness
	5 $\mu$ m	Axial runout
$M_m$	9,32 kg*cm <sup>2</sup>	Mass moment of inertia
(3) r	ZM45	Recommended INA precision locknut for radial locking 3
(1), (2) r	AM40/85	Recommended INA precision locknut for axial locking 1,2
$M_A$	110 Nm	Tightening torque nut
(1), (2) a	26.600 N	Required locknut force axial 1

### Characteristics

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