

**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

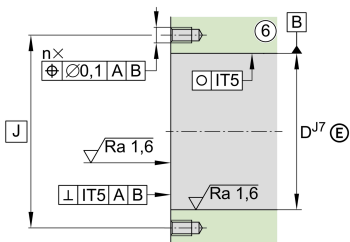
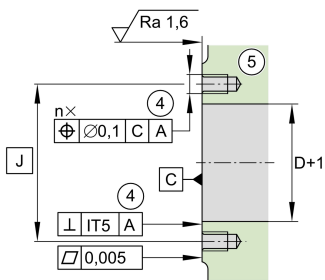
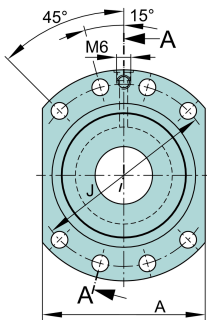
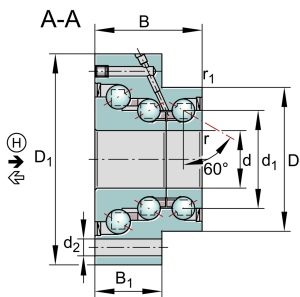
Technical information

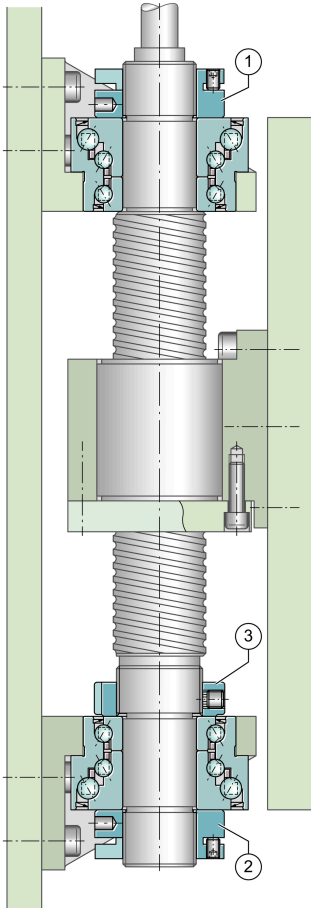
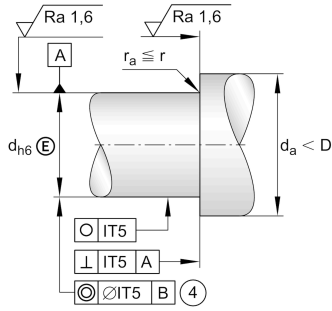
Your current product variant

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 _a	127.000 N	Basic dynamic load rating, axial HL
C _a	72.000 N	Basic dynamic load rating, axial
C _{0a}	365.000 N	Basic static load rating, axial HL
C _{0a}	149.000 N	Basic static load rating, axial
C _{ua}	9.500 N	Fatigue load limit, axial HL
C _{ua}	6.600 N	Fatigue load limit, axial
n _G Grease	2.900 1/min	Limiting speed for grease lubrication
n _g	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/ μ m	Rigidity axial
c_{aL}	2.000 N/ μ m	Rigidity axial (HL)
c_{kL}	1.370 Nm/mrad	Tilting stiffness
	5 μ m	Axial runout
M_m	9,32 kg*cm ²	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