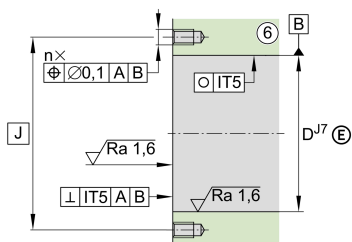
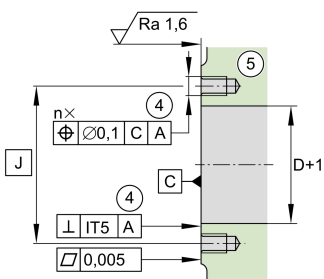
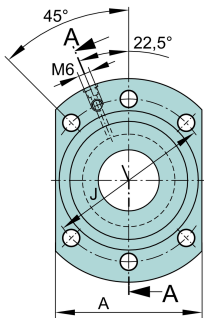
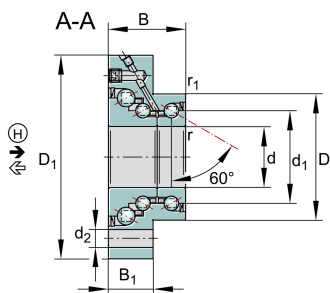


**DKLFA30100-2RS**

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

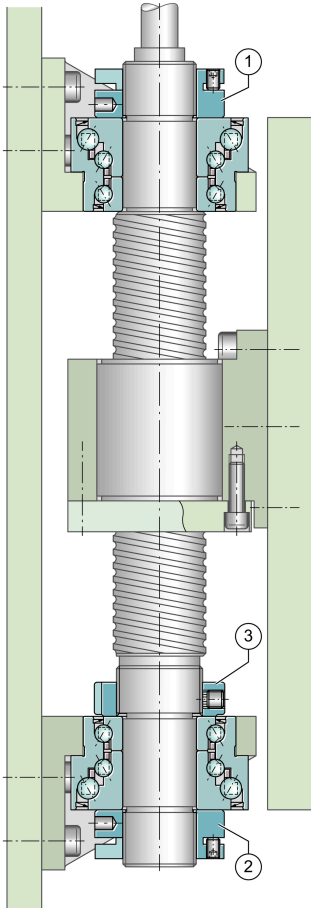
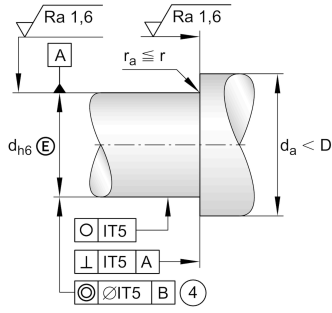


Your current product variant

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

d	30 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,01 mm	Bore diameter lower tolerance
D	62 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,013 mm	Outside diameter lower tolerance
B	38 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	56.000 N	Basic dynamic load rating, axial HL
C _a	29.000 N	Basic dynamic load rating, axial
C _{0a}	165.000 N	Basic static load rating, axial HL
C _{0a}	64.000 N	Basic static load rating, axial
C _{ua}	4.450 N	Fatigue load limit, axial HL
C _{ua}	2.800 N	Fatigue load limit, axial
n _G Grease	4.000 1/min	Limiting speed for grease lubrication
n _g	1.800 1/min	Thermally permissible speed
≈m	1,03 kg	Weight



Mounting dimensions

$d_{a \min}$	40 mm	Minimum diameter shaft shoulder
$d_{a \max}$	53 mm	Maximum diameter of shaft shoulder
	M8	Fixing screws DIN EN ISO 4762 10.9 (not included)
n	6	Number of screws

Dimensions

d_1	45,5 mm	Rib diameter inner ring
D_1	100 mm	Flange diameter
r_{\min}	0,3 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension 1
B_1	22 mm	Thickness of flange
d_2	8,8 mm	Fixing boring diameter
J	80 mm	Pitch circle diameter (holes)
A	72 mm	Flange width







Temperature range

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

**Additional information**

M_{RL}	0,75 Nm	Bearing friction torque
c_{aL}	900 N/ μ m	Rigidity axial
c_{aL}	1.400 N/ μ m	Rigidity axial (HL)
c_{kL}	500 Nm/mrad	Tilting stiffness
	5 μ m	Axial runout
M_m	1,7 kg*cm ²	Mass moment of inertia
	ZMA30/52	Recommended INA precision locknut for radial locking 1,2
(3) r	ZM35	Recommended INA precision locknut for radial locking 3
(1), (2) r	AM30	Recommended INA precision locknut for axial locking 1,2
M_A	32 Nm	Tightening torque nut
(1), (2) a	10.350 N	Required locknut force axial 1

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