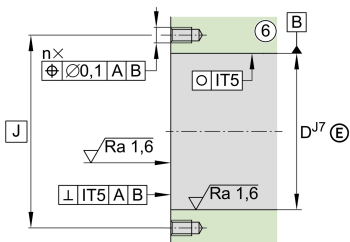
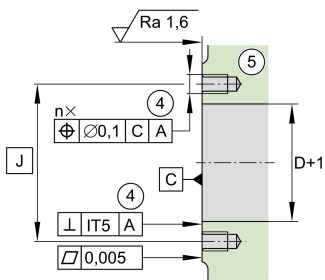
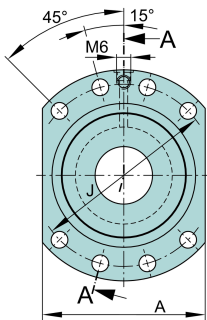
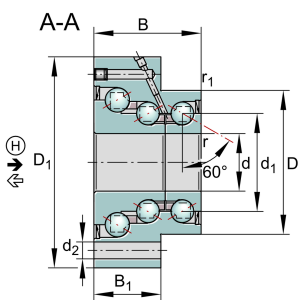


**DKLFA40140-2RS**

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

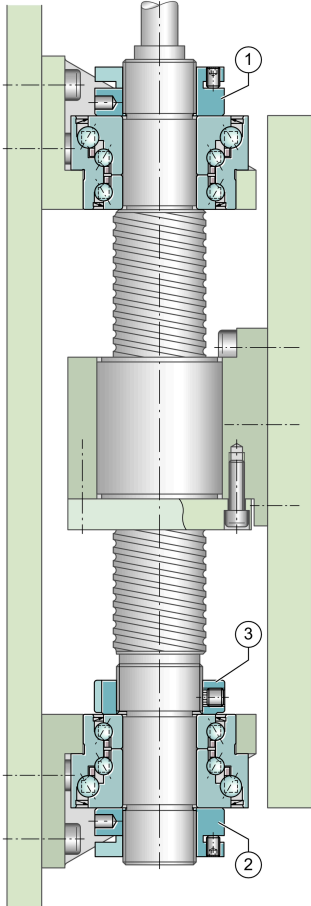
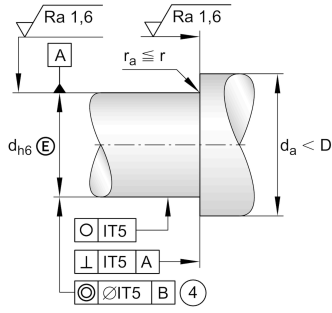


Your current product variant

| | | |
|---------|-----|---------------------------------|
| Sealing | 2RS | Contact lip seals on both sides |
|---------|-----|---------------------------------|

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