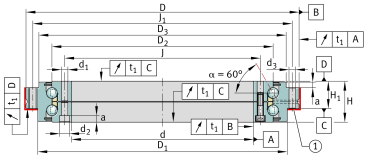
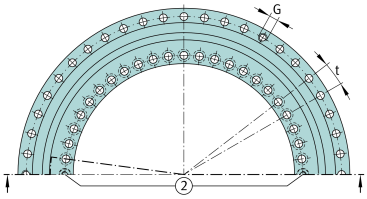
ZKLDF260

Axial angular contact ball bearing

Axial angular contact ball bearings ZKLDF, double direction, for screw mounting, sealing shields on both sides

Technical information





Your current product variant

Generation	B

Main Dimensions & Performance Data

d	260 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,018 mm	Bore diameter lower tolerance
D	385 mm	Flange diameter
	0 mm	Flange diameter upper tolerance
	-0,02 mm	Flange diameter lower tolerance
H	55 mm	Height
n_G	2.400 1/min	Limiting speed
C_a	162.000 N	Basic dynamic load rating, axial
C_{0a}	920.000 N	Basic static load rating, axial
C_{ua}	23.800 N	Fatigue load limit, axial
≈m	18,4 kg	Weight

Mounting dimensions

J	280 mm	Pitch circle diameter fixing holes in inner ring
J_1	365 mm	Pitch circle diameter fixing holes in outer ring
d_1	9,3 mm	Fixing holes diameter inner ring
d_2	15 mm	Counterbore diameter of fixing holes
a	8,2 mm	Counterbore depth of fixing holes
	34	Quantity of fixing holes inner ring
d_3	9,3 mm	Fixing holes diameter outer ring
	33	Quantity of fixing holes outer ring
n	36	Pitch quantity
t	10 °	Pitch separation angle
G	M12	Threaded extraction hole
	3	Quantity of threaded extraction hole
M_A	34 Nm	Screw tightening torque
	2	Quantity of retaining screws

Dimensions

H_1	36,5 mm	Height contact face outer ring
	0,2 mm	Height contact face outerring H1 upper tolerance
	-0,2 mm	Height contact face outerring H1 lower tolerance
D_1	345 mm	Outside diameter D1
D_2	313 mm	Rib diameter inner ring
D_3	348 mm	Outside diameter D3
t_1	6 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Temperature range

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

Additional information

c_{aL}	3.200 N/µm	Axial rigidity of bearing position
c_{rL}	700 N/µm	Radial rigidity of bearing position
c_{kL}	40.000 Nm/mrad	Tilting rigidity of bearing position
c_{aL}	4.700 N/µm	Axial rigidity of rolling element set
c_{rW}	700 N/µm	Radial rigidity of rolling element set
c_{kW}	54.000 Nm/mrad	Tilting rigidity of rolling element set

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Moments about all axes
- Lifetime lubrication, freedom from maintenance
- Grease Lubrication
- Sealed on both sides
- Large bearing