

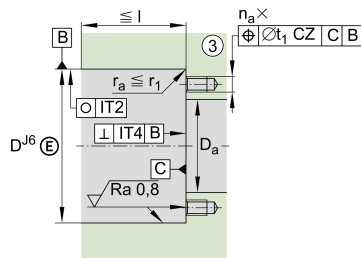
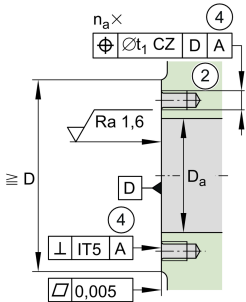
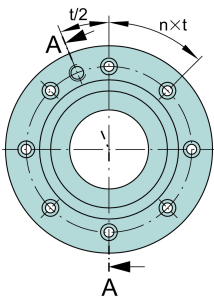
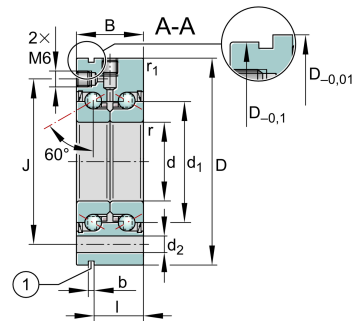
ZKL50140-2Z-XL

Axial angular contact ball bearing

Axial angular contact ball bearings ZKL50-2Z, double direction, for screw mounting, gap seals on both sides

X-life

Informacje techniczne



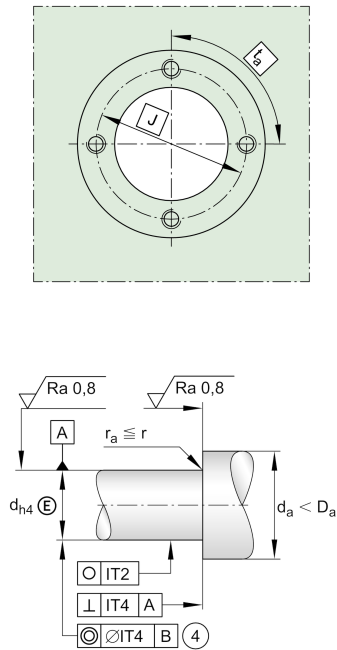
Twoja aktualna wersja produktu

Sealing 2Z Minimal gap seal on both sides

Tolerance class Standard

Main Dimensions & Performance Data

d	50 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	140 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	54 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	125.000 N	Basic dynamic load rating, axial
C _{0a}	250.000 N	Basic static load rating, axial
C _{ua}	15.200 N	Fatigue load limit, axial
n _G Grease	3.500 1/min	Limiting speed for grease lubrication
n _g	2.500 1/min	Thermally safe operating speed
M _R	1,3 Nm	Bearing frictional torque
≈m	4,404 kg	Masa



Mounting dimensions

D _a max	98 mm	Maximum diameter of housing
d _a min	63 mm	Minimum diameter shaft
t ₁	0,2 mm	Position tolerance of bore in the housing
	M10	Size of fixing screws
n _a	12	Number of holes in adjacent construction
t _a	30 °	Pitch separation angle of holes in adjacent construction
	M6	Connection thread for lubrication

Dimensions

d ₁	80 mm	Rib diameter inner ring
r _{min}	0,6 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
J	113 mm	Pitch circle diameter fixing holes
d ₂	11 mm	Fixing holes diameter
b	3 mm	Width of extraction slot
l	45 mm	Distance of extraction slot
n	12	Pitch quantity of fixing holes
t	30 °	Pitch separation angle of fixing holes
a	60 °	Contact angle

Temperature range

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



Additional information

c_{aL}	1.400 N/ μ m	Rigidity axial
c_{kL}	1.500 Nm/mrad	Tilting rigidity
M_m	15,2 kg*cm2	Mass moment of inertia
	2,5 μ m	Axial runout
	ZMA50/75	Recommended INA precision locknut for radial locking
	AM50	Recommended INA precision locknut for axial locking
M_A	150 Nm	Tightening torque for the recommended INA precision locknut
	28.451 N	Required locknut force axial

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Obciążenie osiowe dwukierunkowe
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L_h Smarowanie dożywotnie, bezobsługowe
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Smarowanie smarem
- 

Uszczelnienie dwustronne