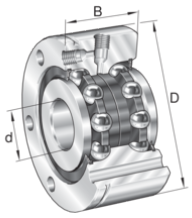


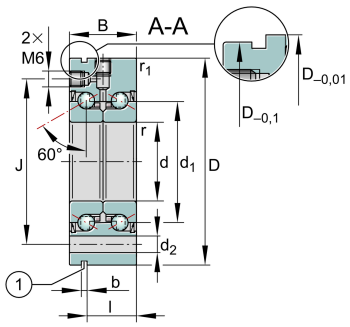
ZKLF80165-2Z-XL

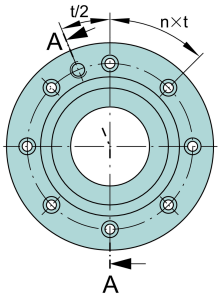
Axial angular contact ball bearing

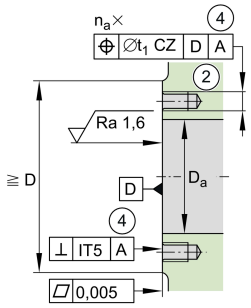
Axial angular contact ball bearings ZKLF..-2Z, double direction, for screw mounting, gap seals on both sides

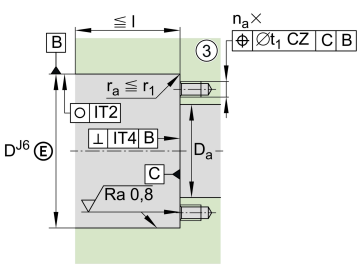
X-life

Informacje techniczne







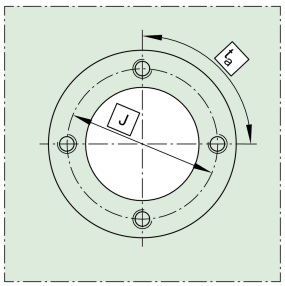


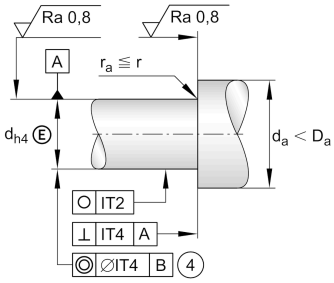
Twoja aktualna wersja produktu

Type of Seal	2Z	Minimal gap seal on both sides
Tolerance class	Standard	

Main Dimensions & Performance Data

d	80 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,008 mm	Bore diameter lower tolerance
D	165 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,015 mm	Outside diameter lower tolerance
B	45 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C_a	100.000 N	Basic dynamic load rating, axial
C_{0a}	265.000 N	Basic static load rating, axial
C_{ua}	15.800 N	Fatigue load limit, axial
n_G Grease	3.600 1/min	Limiting speed for grease lubrication
n_ϑ	2.700 1/min	Thermally safe operating speed
M_R	1,4 Nm	Bearing frictional torque
≈m	4,79 kg	Masa





Mounting dimensions

$D_{a\ max}$	120 mm	Maximum diameter of housing
$d_{a\ min}$	102 mm	Minimum diameter shaft
t_1	0,2 mm	Position tolerance of bore in the housing
	M8	Size of fixing screws
n_a	8	Number of holes in adjacent construction
t_a	45 °	Pitch separation angle of holes in adjacent construction
	M6	Connection thread for lubrication

Dimensions

d_1	105 mm	Rib diameter inner ring
r_{min}	0,6 mm	Minimum chamfer dimension
$r_{1\ min}$	0,6 mm	Minimum chamfer dimension
J	140 mm	Pitch circle diameter fixing holes
d_2	8,8 mm	Fixing holes diameter
b	3 mm	Width of extraction slot
l	35 mm	Distance of extraction slot
n	8	Pitch quantity of fixing holes
t	45 °	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}	1.600 N/µm	Rigidity axial
c_{kL}	3.000 Nm/mrad	Tilting rigidity
M_m	27,6 kg*cm2	Mass moment of inertia
	3 µm	Axial runout
	ZMA80/120	Recommended INA precision locknut for radial locking
	AM80	Recommended INA precision locknut for axial locking
M_A	160 Nm	Tightening torque for the recommended INA precision locknut
	20.604 N	Required locknut force axial

Właściwości

- Obciążenie promieniowe
- Obciążenie osiowe jednokierunkowe
- Obciążenie osiowe dwukierunkowe
- Smarowanie dożywotnie, bezobsługowe
- Smarowanie smarem
- Uszczelnienie dwustronne