**ZKLF90190-2Z-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

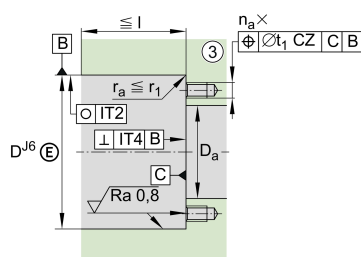
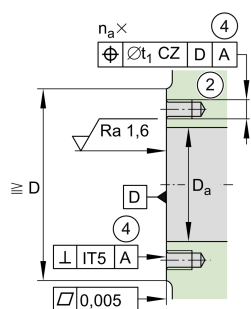
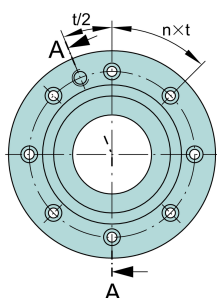
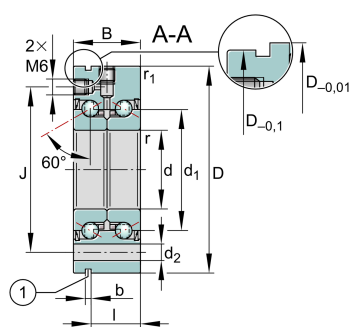
Informacje techniczne

Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

d	90 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,008 mm	Bore diameter lower tolerance
D	190 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,015 mm	Outside diameter lower tolerance
B	55 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	149.000 N	Basic dynamic load rating, axial
C _{0a}	395.000 N	Basic static load rating, axial
C _{ua}	21.900 N	Fatigue load limit, axial
n _G Grease	3.500 1/min	Limiting speed for grease lubrication
n _g	2.300 1/min	Thermally safe operating speed
M _R	2,3 Nm	Bearing frictional torque
≈m	7,806 kg	Masa





Mounting dimensions

D _a max	138 mm	Maximum diameter of housing
d _a min	116 mm	Minimum diameter shaft
t ₁	0,2 mm	Position tolerance of bore in the housing
	M10	Size of fixing screws
n _a	8	Number of holes in adjacent construction
t _a	45 °	Pitch separation angle of holes in adjacent construction

Dimensions

d ₁	120 mm	Rib diameter inner ring
r _{min}	0,6 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
J	165 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	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}	1.700 N/ μ m	Rigidity axial
c_{kL}	4.400 Nm/mrad	Tilting rigidity
M_m	59,9 kg*cm2	Mass moment of inertia
	3 μ m	Axial runout
	ZMA90/130	Recommended INA precision locknut for radial locking
	AM90	Recommended INA precision locknut for axial locking
M_A	200 Nm	Tightening torque for the recommended INA precision locknut
	22.731 N	Required locknut force axial

Właściwości

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