



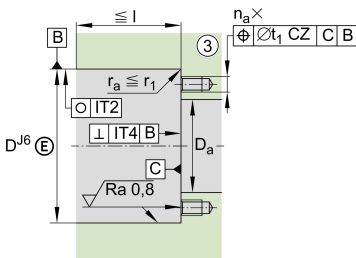
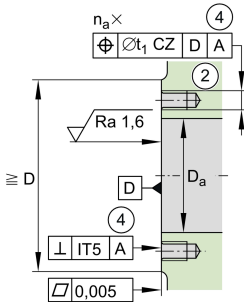
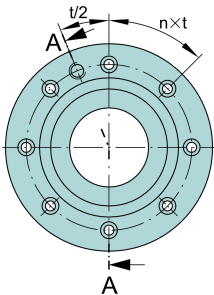
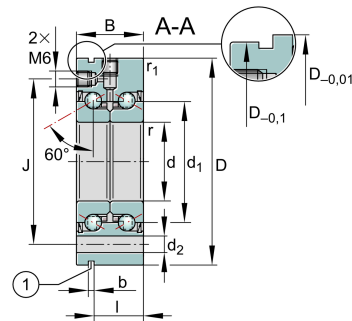
ZKLF30100-2RS-XL

Axial angular contact ball bearing

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

X-life

Informacje techniczne

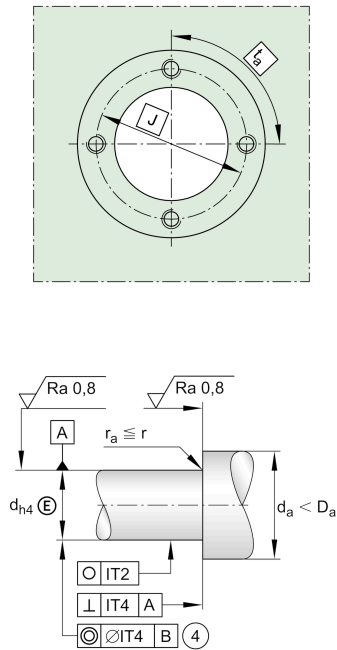


Twoja aktualna wersja produktu

Type of Seal	2RS	Contact lip seals on both sides
Tolerance class	Standard	

Main Dimensions & Performance Data

d	30 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	100 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	38 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	65.000 N	Basic dynamic load rating, axial
C _{0a}	108.000 N	Basic static load rating, axial
C _{ua}	6.500 N	Fatigue load limit, axial
n _G Grease	4.500 1/min	Limiting speed for grease lubrication
n _g	2.100 1/min	Thermally safe operating speed
M _R	0,8 Nm	Bearing frictional torque
≈m	1,684 kg	Masa



Mounting dimensions

D _a max	64 mm	Maximum diameter of housing
d _a min	47 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	51 mm	Rib diameter inner ring
r _{min}	0,3 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
J	80 mm	Pitch circle diameter fixing holes
d ₂	8,8 mm	Fixing holes diameter
b	3 mm	Width of extraction slot
l	30 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}	950 N/μm	Rigidity axial
c_{kL}	400 Nm/mrad	Tilting rigidity
M_m	1,91 kg*cm2	Mass moment of inertia
	2,5 μm	Axial runout
	ZMA30/52	Recommended INA precision locknut for radial locking
	AM30	Recommended INA precision locknut for axial locking
M_A	65 Nm	Tightening torque for the recommended INA precision locknut
	19.509 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
- 

Smarowanie smarem
- 

Uszczelnienie dwustronne