

**ZKLF40100-2RS-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

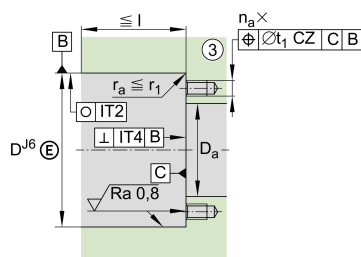
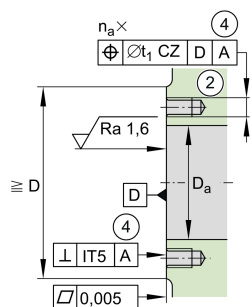
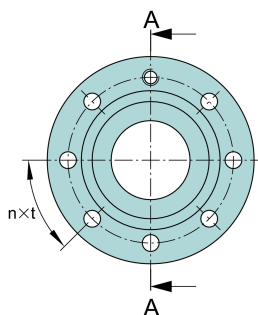
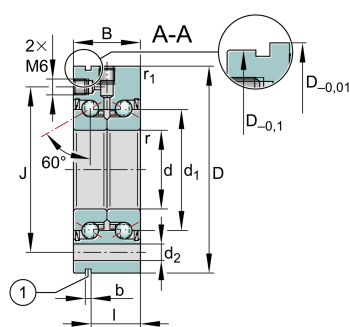
Informacje techniczne

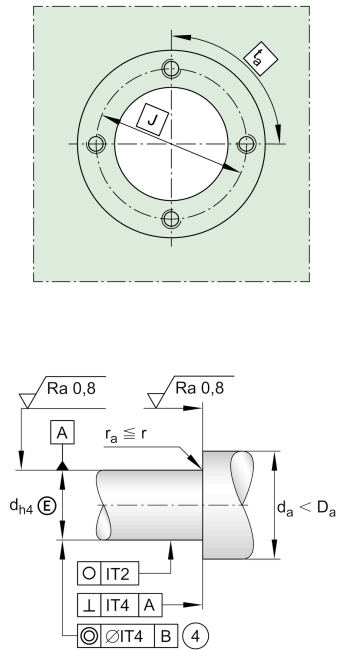
Twoja aktualna wersja produktu

Sealing	2RS	Contact lip seals on both sides
Tolerance class	Standard	

Main Dimensions & Performance Data

d	40 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	34 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	47.500 N	Basic dynamic load rating, axial
C _{0a}	101.000 N	Basic static load rating, axial
C _{ua}	6.100 N	Fatigue load limit, axial
n _G Grease	4.000 1/min	Limiting speed for grease lubrication
n _g	1.800 1/min	Thermally safe operating speed
M _R	0,7 Nm	Bearing frictional torque
≈m	1,466 kg	Masa





Mounting dimensions

D _a max	67 mm	Maximum diameter of housing
d _a min	50 mm	Minimum diameter shaft
t ₁	0,2 mm	Position tolerance of bore in the housing
	M8	Size of fixing screws
n _a	4	Number of holes in adjacent construction
t _a	90 °	Pitch separation angle of holes in adjacent construction
	M6	Connection thread for lubrication

Dimensions

d ₁	58 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	25 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}	1.000 N/ μ m	Rigidity axial
c_{kL}	550 Nm/mrad	Tilting rigidity
M_m	2,26 kg*cm2	Mass moment of inertia
	2,5 μ m	Axial runout
	ZM40	Recommended INA precision locknut for radial locking
	AM40	Recommended INA precision locknut for axial locking
M_A	55 Nm	Tightening torque for the recommended INA precision locknut
	13.412 N	Required locknut force axial

Właściwości

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