

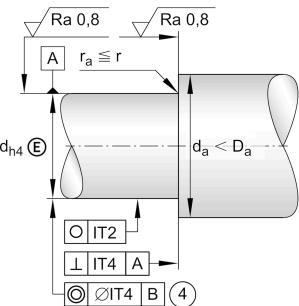
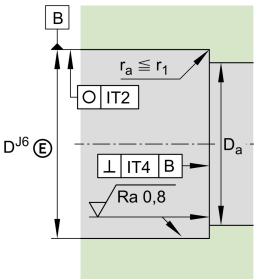
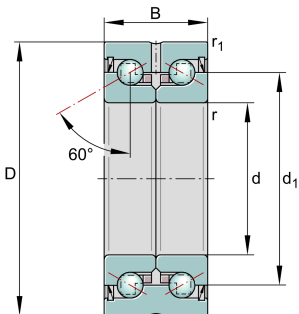
ZKLN1242-2Z-XL

Axial angular contact ball bearing

Axial angular contact ball bearings
ZKLN...2Z, double direction, 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	12 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	42 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,01 mm	Outside diameter lower tolerance
B	25 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	18.800 N	Basic dynamic load rating, axial
C _{0a}	25.000 N	Basic static load rating, axial
C _{ua}	1.520 N	Fatigue load limit, axial
n _G Grease	12.000 1/min	Limiting speed for grease lubrication
n _g	7.600 1/min	Thermally safe operating speed
M _R	0,08 Nm	Bearing frictional torque
≈m	0,197 kg	Masa



Mounting dimensions

D a max	33 mm	Maximum diameter of housing
d a min	16 mm	Minimum diameter shaft

Dimensions

d 1	25 mm	Rib diameter inner ring
r min	0,3 mm	Minimum chamfer dimension
r 1 min	0,6 mm	Minimum chamfer dimension
α	60 °	Contact angle

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Additional information

c aL	375 N/μm	Rigidity axial
c kL	50 Nm/mrad	Tilting rigidity
M m	0,068 kg*cm2	Mass moment of inertia
	2 μm	Axial runout
	ZM12	Recommended INA precision locknut for radial locking
M A	8 Nm	Tightening torque for the recommended INA precision locknut
	5.307 N	Required locknut force axial



Właściwości

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