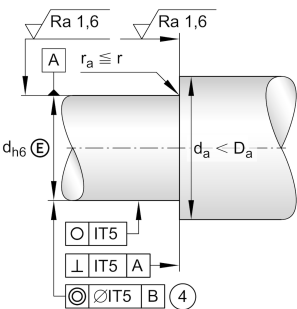
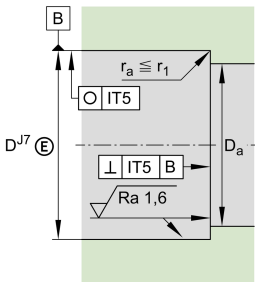
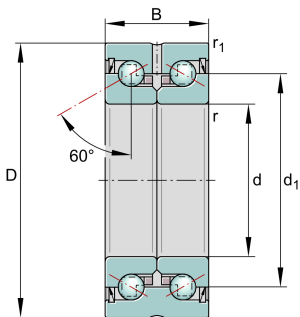


ZKLN5090-2RS-PE

Axial angular contact ball bearing

Axial angular contact ball bearings
ZKLN...-2RS-PE, Increased tolerances,
double direction, lip seals on both sides

Informacje techniczne



Twoja aktualna wersja produktu

Type of Seal	2RS	Contact lip seals on both sides
Tolerance class	PE	Less stringent bearing design

Main Dimensions & Performance Data

d	50 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,01 mm	Bore diameter lower tolerance
D	90 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,015 mm	Outside diameter lower tolerance
B	34 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C _a	46.500 N	Basic dynamic load rating, axial
C _{0a}	126.000 N	Basic static load rating, axial
C _{ua}	5.800 N	Fatigue load limit, axial
n _G Grease	3.200 1/min	Limiting speed for grease lubrication
n _g	1.500 1/min	Thermally safe operating speed
M _R	0,9 Nm	Bearing frictional torque
≈m	0,95 kg	Masa



Mounting dimensions

D _a max	82 mm	Maximum diameter of housing
d _a min	63 mm	Minimum diameter shaft

Dimensions

d ₁	72 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}	1.250 N/μm	Rigidity axial
c _{kL}	1.000 Nm/mrad	Tilting rigidity
M _m	5,24 kg*cm2	Mass moment of inertia
	5 μm	Axial runout
	ZM50	Recommended INA precision locknut for radial locking
	AM50	Recommended INA precision locknut for axial locking
M _A	85 Nm	Tightening torque for the recommended INA precision locknut
	16.280 N	Required locknut force axial



Właściwości

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