



Axial angular contact ball bearings

ZKLN5090-2Z (Series ZKLN..-2Z)

double direction, gap seals on both sides

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system (<http://www.ina.de/content.ina.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

d	50 mm	Tolerance: -0,005
D	90 mm	Tolerance: -0,01
B	34 mm	Tolerance: -0,25
	60 °	Contact angle
d ₁	72 mm	
D _{a max}	82 mm	
d _{a min}	63 mm	
r _{1 min}	0,6 mm	
r _{min}	0,3 mm	
m	0,88 kg	Mass
C _a	46500 N	Basic dynamic load rating, axial
C _{0a}	126000 N	Basic static load rating, axial
n _{G Fett}	3000 1/min	Limiting speed for grease lubrication
M _{Rl}	0,45 Nm	Bearing frictional torque
c _{aL}	1250 N/μm	Axial rigidity
c _{kL}	1000 Nm/mrad	Tilting rigidity
M _m	5,24 kg x cm ²	Mass moment of inertia for rotating inner ring
	2,5 μm	Axial runout
	The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.	
	ZM50	Designation of recommended INA locknut
	AM50	Designation of recommended INA locknut

Locknuts not included in delivery.

MA

85 Nm Tightening torque

Only valid in conjunction with INA precision locknuts

17009 N Axial preload force



