



Axial angular contact ball bearings

ZKLN1242-2RS (Series ZKLN..-2RS)

double direction, lip 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	12 mm	Tolerance: -0,005
D	42 mm	Tolerance: -0,010
B	25 mm	Tolerance: -0,25
	60 °	Contact angle
d ₁	25 mm	
D _{a max}	33 mm	
d _{a min}	16 mm	
r _{1 min}	0,6 mm	
r _{min}	0,3 mm	
m	0,2 kg	Mass
C _a	16900 N	Basic dynamic load rating, axial
C _{0a}	24700 N	Basic static load rating, axial
n _{G Fett}	3800 1/min	Limiting speed for grease lubrication
M _{Rl}	0,16 Nm	Bearing frictional torque
c _{aL}	375 N/μm	Axial rigidity
c _{kL}	50 Nm/mrad	Tilting rigidity
M _m	0,068 kg x cm ²	Mass moment of inertia for rotating inner ring
	2 μm	Axial runout
	The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.	
	ZM12	Designation of recommended INA locknut
	Locknuts not included in delivery.	

MA	<p>8 Nm Tightening torque Only valid in conjunction with INA precision locknuts 5038 N Axial preload force</p>
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