



Axial angular contact ball bearings

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

Increased tolerances, 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: -0,01
D	42 mm	Tolerance: -0,011
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
MRL	0,16 Nm	Bearing frictional torque
CaL	375 N/μm	Axial rigidity
ckL	50 Nm/mrad	Tilting rigidity
M _m	0,068 kg x cm ²	Mass moment of inertia for rotating inner ring
	5 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	8 Nm Tightening torque
	Only valid in conjunction with INA precision locknuts
	5038 N Axial preload force



