



Axial angular contact ball bearings

ZKLF30100-2Z (Series ZKLF..-2Z)

double direction, for screw mounting, 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	30 mm	Tolerance: -0,005
D	100 mm	Tolerance: -0,01
B	38 mm	Tolerance: -0,25
	M6	Threaded connector for lubrication
	60 °	Contact angle
1)		Extraction slot
b	3 mm	
d ₁	51 mm	
d ₂	8,8 mm	
D _a	64 mm	
d _a max	47 mm	
d _a min		
l	30 mm	
J	80 mm	
r ₁	0,6 mm	
r ₁ min		
r _{min}	0,3 mm	
t	8 X 45°	Pitch t Quantity X t
m	1,63 kg	Mass
C _a	59000 N	Basic dynamic load rating, axial
C _{0a}	108000 N	Basic static load rating, axial
n _G	4000 1/min	Limiting speed for grease lubrication
Fett		

MRL	0,4 Nm	Bearing frictional torque
CaL	950 N/μm	Axial rigidity
ckL	400 Nm/mrad	Tilting rigidity
Mm	1,91 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.
	8	Quantity of fixing screws to DIN 912-10.9 Screws not included in delivery.
	M8	Size of fixing screws to DIN 912-10.9 Tightening torque of fixing screws according to manufacturer's data. Screws not included in delivery.
	ZMA30/52	Designation of recommended INA locknut
	AM30	Designation of recommended INA locknut Locknuts not included in delivery.
MA	65 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	19509 N	Axial preload force





