



Axial angular contact ball bearings

ZKLF50140-2Z (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	50 mm	Tolerance: -0,005
D	140 mm	Tolerance: -0,01
B	54 mm	Tolerance: -0,25
	M6	Threaded connector for lubrication
	60 °	Contact angle
1)		Extraction slot
b	3 mm	
d ₁	80 mm	
d ₂	11 mm	
D _a max	98 mm	
d _a min	63 mm	
l	45 mm	
J	113 mm	
r ₁ min	0,6 mm	
r _{min}	0,6 mm	
t	12 X 30°	Pitch t Quantity X t
		Heavy series
m	4,7 kg	Mass
C _a	113000 N	Basic dynamic load rating, axial
C _{0a}	250000 N	Basic static load rating, axial

ng	2500 1/min	Limiting speed for grease lubrication
Fett		
MR _L	1,3 Nm	Bearing frictional torque
ca _L	1400 N/μm	Axial rigidity
ck _L	1500 Nm/mrad	Tilting rigidity
M _m	15,2 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.
	12	Quantity of fixing screws to DIN 912-10.9 Screws not included in delivery.
	M10	Size of fixing screws to DIN 912-10.9 Tightening torque of fixing screws according to manufacturer's data. Screws not included in delivery.
	ZMA50/75	Designation of recommended INA locknut
	AM50	Designation of recommended INA locknut Locknuts not included in delivery.
MA	150 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	29436 N	Axial preload force





