

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF50140-2Z



Designation	<b>ZKLF50140-2Z</b>
Mass $m = \text{kg}$	4.7
Dimensions	
d -0,005	<b>50</b>
D -0,01	<b>140</b>
B -0,25	54
d1	80
r min.	0.6
r1 min.	0.6
J	113
d2	11
b	3
l	45
Pitch $n \times t$	12 $\times$ 30°
Mounting dimensions	
Da max.	98
da min.	63
t1	0.2
Fixing screws	DIN EN ISO 4762 10.9
Size	M10
$n \times t_a$	12 $\times$ 30°
Basic load ratings axial	
dyn. Ca N	125000
stat. C0a N	250000
Fatigue limit load $Cu$	14800
N	
Limiting speed $nG$	3500
grease min-1	
Thermally safe	2500
operating speed $nP$	
min-1	
Bearing frictional torque	1.3
MR Nm	
Rigidity axial caL N/ $\mu\text{m}$	1400
Tilting rigidity ckL	1500
Mass moment of inertia	15.2
Mm	
Axial runout $\mu\text{m}$	2.5
Recommended INA precision locknut	
For radial locking	ZMA50/75
For axial locking	AM50
Tightening torque MA	150
Nm	
Required locknut force	28451
axial N	