

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF30100-2Z



Designation	<b>ZKLF30100-2Z</b>
Mass $m = \text{kg}$	1.63
Dimensions	
d -0,005	<b>30</b>
D -0,01	<b>100</b>
B -0,25	38
d1	51
r min.	0.3
r1 min.	0.6
J	80
d2	8.8
b	<b>3</b>
l	<b>30</b>
Pitch $n \times t$	$8 \times 45^\circ$
Mounting dimensions	
Da max.	64
da min.	47
t1	0.2
Fixing screws	DIN EN ISO 4762 10.9
Size	M8
$n \times t_a$	$8 \times 45^\circ$
Basic load ratings axial	
dyn. Ca N	65000
stat. C0a N	108000
Fatigue limit load $Cu$	6400
N	
Limiting speed $nG$	5600
grease min-1	
Thermally safe	4000
operating speed $nP$	
min-1	
Bearing frictional torque	0.4
MR Nm	
Rigidity axial caL N/ $\mu\text{m}$	950
Tilting rigidity ckL	400
Mass moment of inertia	1.91
Mm	
Axial runout $\mu\text{m}$	2.5
Recommended INA precision locknut	
For radial locking	ZMA30/52
For axial locking	AM30
Tightening torque MA	65
Nm	
Required locknut force	19509
axial N	