

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF80165-2Z



Designation	<b>ZKLF80165-2Z</b>
Mass $m = \text{kg}$	5.3
Dimensions	
d -0,005	<b>80</b>
D -0,01	<b>165</b>
B -0,25	45
d1	105
r min.	0.6
r1 min.	0.6
J	140
d2	8.8
b	3
l	35
Pitch $n \times t$	$8 \times 45^\circ$
Mounting dimensions	
Da max.	120
da min.	102
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	100000
stat. C0a N	265000
Fatigue limit load $Cu$	15400
N	
Limiting speed $nG$	3600
grease min-1	
Thermally safe	2700
operating speed $nP$	
min-1	
Bearing frictional torque	1.4
MR Nm	
Rigidity axial caL N/ $\mu\text{m}$	1600
Tilting rigidity ckL	3000
Mass moment of inertia	27.6
Mm	
Axial runout $\mu\text{m}$	3
Recommended INA precision locknut	
For radial locking	ZMA80/120
For axial locking	AM80
Tightening torque MA	160
Nm	
Required locknut force	20604
axial N	