

ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

ZKLF Axial angular contact ball bearings-ZKLF40100-2Z



Designation	ZKLF40100-2Z
Mass $m = \text{kg}$	1.46
Dimensions	
$d -0,005$	40
$D -0,01$	100
$B -0,25$	34
d_1	58
$r \text{ min.}$	0.3
$r_1 \text{ min.}$	0.6
J	80
d_2	8.8
b	3
l	25
Pitch $n \times t$	$8 \times 45^\circ$
Mounting dimensions	
$Da \text{ max.}$	67
$da \text{ min.}$	50
t_1	0.2
Fixing screws	DIN EN ISO 4762 10.9
Size	M8
$n \times t_a$	$4 \times 90^\circ$
Basic load ratings axial	
dyn. $C_a \text{ N}$	47500
stat. $C_{0a} \text{ N}$	101000
Fatigue limit load C_u	6000
N	
Limiting speed n_G	5200
grease min-1	
Thermally safe	3300
operating speed n_P	
min-1	
Bearing frictional torque	0.35
$M_R \text{ Nm}$	
Rigidity axial $ca_L \text{ N}/\mu\text{m}$	1000
Tilting rigidity ck_L	550
Mass moment of inertia	2.26
M_m	
Axial runout μm	2.5
Recommended INA precision locknut	
For radial locking	ZM40
For axial locking	AM40
Tightening torque M_A	55
N_m	
Required locknut force	13412
axial N	