

ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

ZKLF Axial angular contact ball bearings-ZKLF50115-2Z



Designation	ZKLF50115-2Z
Mass $m = \text{kg}$	1.86
Dimensions	
$d -0,005$	50
$D -0,01$	115
$B -0,25$	34
d_1	72
$r \text{ min.}$	0.3
$r_1 \text{ min.}$	0.6
J	94
d_2	8.8
b	3
l	25
Pitch $n \times t$	$12 \times 30^\circ$
Mounting dimensions	
$Da \text{ max.}$	82
$da \text{ min.}$	63
t_1	0.2
Fixing screws	DIN EN ISO 4762 10.9
Size	M8
$n \times t_a$	$6 \times 60^\circ$
Basic load ratings axial	
dyn. $C_a \text{ N}$	51000
stat. $C_{0a} \text{ N}$	126000
Fatigue limit load C_u	7400
N	
Limiting speed n_G	4200
grease min-1	
Thermally safe	3000
operating speed n_P	
min-1	
Bearing frictional torque	0.45
$M_R \text{ Nm}$	
Rigidity axial $ca_L \text{ N}/\mu\text{m}$	1250
Tilting rigidity ck_L	1000
Mass moment of inertia	5.24
M_m	
Axial runout μm	2.5
Recommended INA precision locknut	
For radial locking	ZM50
For axial locking	AM50
Tightening torque M_A	85
N_m	
Required locknut force	16280
axial N	