

ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

ZKLF Axial angular contact ball bearings-ZKLF90190-2Z



Designation	ZKLF90190-2Z
Mass $m = \text{kg}$	8.7
Dimensions	
d -0,005	90
D -0,01	190
B -0,25	55
d ₁	120
r min.	0.6
r ₁ min.	0.6
J	165
d ₂	11
b	3
l	45
Pitch n×t	8×45°
Mounting dimensions	
Da max.	138
da min.	116
t ₁	0.2
Fixing screws	DIN EN ISO 4762 10.9
Size	M10
n×ta	8×45°
Basic load ratings axial	
dyn. Ca N	149000
stat. C _{0a} N	395000
Fatigue limit load C_u	21300
N	
Limiting speed n_G	3500
grease min-1	
Thermally safe	2300
operating speed n_P	
min-1	
Bearing frictional torque	2.3
MR Nm	
Rigidity axial caL N/μm	1700
Tilting rigidity ckL	4400
Mass moment of inertia	59.9
Mm	
Axial runout μm	3
Recommended INA precision locknut	
For radial locking	ZMA90/130
For axial locking	AM90
Tightening torque MA	200
Nm	
Required locknut force	22731
axial N	