

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF3590-2RS



Designation	<b>ZKLF3590-2RS</b>
Mass $m = \text{kg}$	1.13
Dimensions	
d -0,005	<b>35</b>
D -0,01	<b>90</b>
B -0,25	34
d1	52
r min.	0.3
r1 min.	0.6
J	75
d2	8.8
b	<b>3</b>
l	25
Pitch $n \times t$	$8 \times 45^\circ$
Mounting dimensions	
Da max.	62
da min.	45
t1	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. Ca N	45000
stat. C0a N	89000
Fatigue limit load $Cu$	5200
N	
Limiting speed $nG$	4400
grease min-1	
Thermally safe	2000
operating speed $nP$	
min-1	
Bearing frictional torque	0.6
MR Nm	
Rigidity axial caL N/ $\mu\text{m}$	900
Tilting rigidity ckL	400
Mass moment of inertia	1.51
Mm	
Axial runout $\mu\text{m}$	2.5
Recommended INA precision locknut	
For radial locking	ZM35
For axial locking	AM35/58
Tightening torque MA	40
Nm	
Required locknut force	10770
axial N	