

ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

ZKLF Axial angular contact ball bearings-ZKLF3590-2Z



Designation **ZKLF3590-2Z**

Mass $m = \text{kg}$ 1.13

Dimensions

$d -0,005$ **35**

$D -0,01$ **90**

$B -0,25$ 34

d_1 52

$r \text{ min.}$ 0.3

$r_1 \text{ min.}$ 0.6

J 75

d_2 8.8

b **3**

l 25

Pitch $n \times t$ $8 \times 45^\circ$

Mounting dimensions

$Da \text{ max.}$ 62

$da \text{ min.}$ 45

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. $C_a \text{ N}$ 45000

stat. $C_{0a} \text{ N}$ 89000

Fatigue limit load C_u 5200

N

Limiting speed n_G 5800

grease min-1

Thermally safe 3800

operating speed n_P

min-1

Bearing frictional torque 0.3

$M_R \text{ Nm}$

Rigidity axial $ca_L \text{ N}/\mu\text{m}$ 900

Tilting rigidity ck_L 400

Mass moment of inertia 1.51

M_m

Axial runout μm 2.5

Recommended INA precision locknut

For radial locking ZM35

For axial locking AM35/58

Tightening torque M_A 40

N_m

Required locknut force 10770

axial N