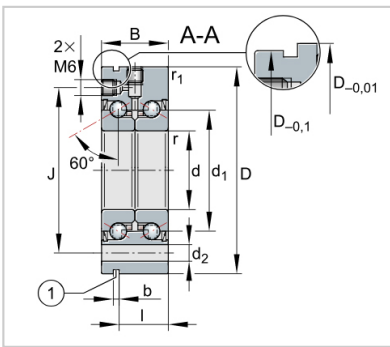


ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

ZKLF Axial angular contact ball bearings-ZKLF3590-2RS



| | |
|---|----------------------|
| Designation | ZKLF3590-2RS |
| Mass $m = \text{kg}$ | 1.13 |
| Dimensions | |
| d -0,005 | 35 |
| D -0,01 | 90 |
| B -0,25 | 34 |
| d1 | 52 |
| r min. | 0.3 |
| r1 min. | 0.6 |
| J | 75 |
| d2 | 8.8 |
| b | 3 |
| 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. $C_a \text{ N}$ | 45000 |
| stat. $C_{0a} \text{ N}$ | 89000 |
| Fatigue limit load C_u | 5200 |
| N | |
| Limiting speed n_G | 4400 |
| grease min-1 | |
| Thermally safe | 2000 |
| operating speed n_P | |
| min-1 | |
| Bearing frictional torque | 0.6 |
| MR Nm | |
| Rigidity axial $c_{aL} \text{ N}/\mu\text{m}$ | 900 |
| Tilting rigidity c_{kL} | 400 |
| Mass moment of inertia | 1.51 |
| Mm | |
| Axial runout μm | 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 | |