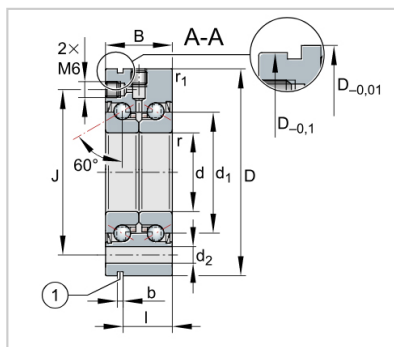


## ZKLf ZKLN Double Direction Axial Angular Contact Ball Bearings

### 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                             |                      |