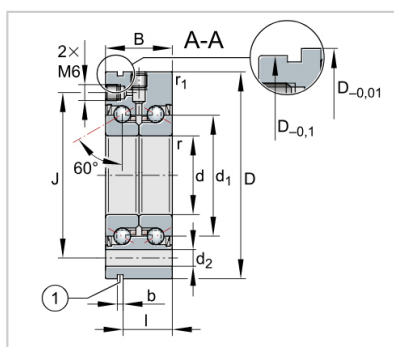


## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF50115-2RS-PE



|                                     |                         |
|-------------------------------------|-------------------------|
| Designation                         | <b>ZKLF50115-2RS-PE</b> |
| Mass $m = \text{kg}$                | 1.86                    |
| Dimensions                          |                         |
| d -0,005                            | <b>50</b>               |
| D -0,01                             | <b>115</b>              |
| B -0,25                             | 34                      |
| d1                                  | 72                      |
| r min.                              | 0.3                     |
| r1 min.                             | 0.6                     |
| J                                   | 94                      |
| d2                                  | 8.8                     |
| b                                   | 3                       |
| l                                   | 25                      |
| Pitch $n \times t$                  | $12 \times 30^\circ$    |
| Mounting dimensions                 |                         |
| Da max.                             | 82                      |
| da min.                             | 63                      |
| t1                                  | 0.2                     |
| Fixing screws                       | DIN EN ISO 4762 10.9    |
| Size                                | M8                      |
| $n \times t_a$                      | $6 \times 60^\circ$     |
| Basic load ratings axial            |                         |
| dyn. Ca N                           | 46500                   |
| stat. C0a N                         | 126000                  |
| Fatigue limit load $Cu$             | 5600                    |
| N                                   |                         |
| Limiting speed $nG$                 | 3200                    |
| grease min-1                        |                         |
| Thermally safe                      | 1500                    |
| operating speed $nP$                |                         |
| min-1                               |                         |
| Bearing frictional torque           | 0.9                     |
| MR Nm                               |                         |
| Rigidity axial caL N/ $\mu\text{m}$ | 1250                    |
| Tilting rigidity ckL                | 1000                    |
| Mass moment of inertia              | 5.24                    |
| Mm                                  |                         |
| Axial runout $\mu\text{m}$          | <b>5</b>                |
| Recommended INA precision locknut   |                         |
| For radial locking                  | ZM50                    |
| For axial locking                   | AM50                    |
| Tightening torque MA                | 85                      |
| Nm                                  |                         |
| Required locknut force              | 16280                   |
| axial N                             |                         |