

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLN Axial angular contact ball bearings-ZKLN4090-2RS



|                                     |                     |
|-------------------------------------|---------------------|
| Designation                         | <b>ZKLN4090-2RS</b> |
| Mass m = kg                         | 0.95                |
| Dimensions                          |                     |
| d                                   | <b>40</b>           |
| D -0,010                            | <b>90</b>           |
| B -0,25                             | 46                  |
| d1                                  | 65                  |
| r min.                              | 0.6                 |
| r1 min.                             | 0.6                 |
| Mounting dimensions                 |                     |
| Da max.                             | 80                  |
| da min.                             | 56                  |
| Basic load ratings axial            |                     |
| dyn. Ca N                           | 79000               |
| stat. C0a N                         | 149000              |
| Fatigue limit load Cu N             | 8800                |
| Lim- iting speed nG                 | 3500                |
| grease min-1                        |                     |
| Thermally safe                      | 1600                |
| operating speed nP                  |                     |
| min-1                               |                     |
| Bearing frictional torque           | 1.3                 |
| MR Nm                               |                     |
| Rigidity axial caL N/μm             | 1200                |
| Tilting rigidity ckL                | 750                 |
| Nm/mrad                             |                     |
| Mass moment of                      | 5.5                 |
| inertia1) Mm kg · cm <sup>2</sup>   |                     |
| Axial runout1) μm                   | 2.5                 |
| Recommended INA precision locknut2) |                     |
| For radial locking                  | ZMA40/62            |
| Tightening torque4) MA AM40         |                     |
| Nm                                  |                     |
| Tightening torque4) MA 110          |                     |
| Nm                                  |                     |
| Required locknut                    | 25185               |
| force3) axial N                     |                     |