

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF100230-2Z



|                                   |                      |
|-----------------------------------|----------------------|
| Designation                       | <b>ZKLF100230-2Z</b> |
| Mass $m = \text{kg}$              | 17.6                 |
| Dimensions                        |                      |
| d -0,005                          | <b>100</b>           |
| D -0,01                           | <b>230</b>           |
| B -0,25                           | 85                   |
| d <sub>1</sub>                    | 146                  |
| r min.                            | 0.6                  |
| r <sub>1</sub> min.               | 0.6                  |
| J                                 | 200                  |
| d <sub>2</sub>                    | 14                   |
| b                                 | <b>3</b>             |
| l                                 | 73                   |
| Pitch n×t                         | 12×30°               |
| Mounting dimensions               |                      |
| Da max.                           | 175                  |
| da min.                           | 130                  |
| t <sub>1</sub>                    | 0.4                  |
| Fixing screws                     | DIN EN ISO 4762 10.9 |
| Size                              | M12                  |
| n×ta                              | 12×30°               |
| Basic load ratings axial          |                      |
| dyn. Ca N                         | 295000               |
| stat. C <sub>0a</sub> N           | 790000               |
| Fatigue limit load $C_u$          | 29000                |
| N                                 |                      |
| Limiting speed $n_G$              | 2900                 |
| grease min-1                      |                      |
| Thermally safe                    | 2000                 |
| operating speed $n_P$             |                      |
| min-1                             |                      |
| Bearing frictional torque         | <b>3</b>             |
| MR Nm                             |                      |
| Rigidity axial caL N/μm           | 2450                 |
| Tilting rigidity ckL              | 8200                 |
| Mass moment of inertia            | 185                  |
| Mm                                |                      |
| Axial runout μm                   | <b>3</b>             |
| Recommended INA precision locknut |                      |
| For radial locking                | -                    |
| For axial locking                 | AM100                |
| Tightening torque MA              | 500                  |
| Nm                                |                      |
| Required locknut force            | 52000                |
| axial N                           |                      |