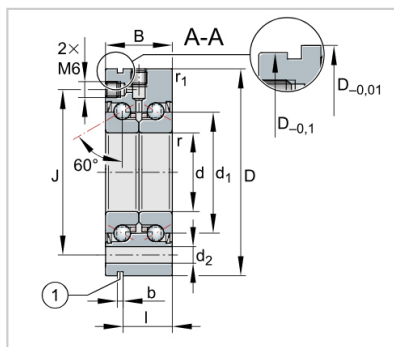


## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF3080-2RS-PE



|                                     |                        |
|-------------------------------------|------------------------|
| Designation                         | <b>ZKLF3080-2RS-PE</b> |
| Mass $m = \text{kg}$                | 0.78                   |
| Dimensions                          |                        |
| d -0,005                            | <b>30</b>              |
| D -0,01                             | <b>80</b>              |
| B -0,25                             | 28                     |
| d1                                  | 45.5                   |
| r min.                              | 0.3                    |
| r1 min.                             | 0.6                    |
| J                                   | 63                     |
| d2                                  | 6.8                    |
| b                                   | <b>3</b>               |
| l                                   | 19                     |
| Pitch $n \times t$                  | $12 \times 30^\circ$   |
| Mounting dimensions                 |                        |
| Da max.                             | 53                     |
| da min.                             | 40                     |
| t1                                  | 0.1                    |
| Fixing screws                       | DIN EN ISO 4762 10.9   |
| Size                                | M6                     |
| $n \times t_a$                      | $6 \times 60^\circ$    |
| Basic load ratings axial            |                        |
| dyn. Ca N                           | 29000                  |
| stat. C0a N                         | 64000                  |
| Fatigue limit load $Cu$             | 2800                   |
| N                                   |                        |
| Limiting speed $n_G$                | 5000                   |
| grease min-1                        |                        |
| Thermally safe                      | 2200                   |
| operating speed $n_P$               |                        |
| min-1                               |                        |
| Bearing frictional torque           | 0.5                    |
| MR Nm                               |                        |
| Rigidity axial caL N/ $\mu\text{m}$ | 850                    |
| Tilting rigidity ckL                | 300                    |
| Mass moment of inertia              | 0.73                   |
| Mm                                  |                        |
| Axial runout $\mu\text{m}$          | 5                      |
| Recommended INA precision locknut   |                        |
| For radial locking                  | ZM30                   |
| For axial locking                   | AM30                   |
| Tightening torque MA                | 32                     |
| Nm                                  |                        |
| Required locknut force              | 9947                   |
| axial N                             |                        |