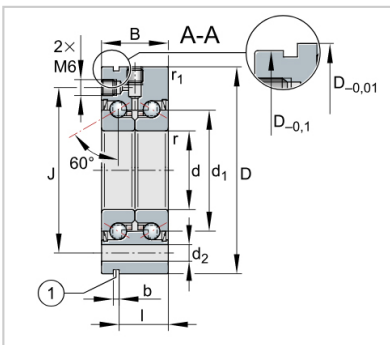


## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF1255-2RS



|                                     |                      |
|-------------------------------------|----------------------|
| Designation                         | <b>ZKLF1255-2RS</b>  |
| Mass $m = \text{kg}$                | 0.37                 |
| Dimensions                          |                      |
| d -0,005                            | <b>12</b>            |
| D -0,01                             | <b>55</b>            |
| B -0,25                             | <b>25</b>            |
| d1                                  | <b>25</b>            |
| r min.                              | 0.3                  |
| r1 min.                             | 0.6                  |
| J                                   | 42                   |
| d2                                  | 6.8                  |
| b                                   | 3                    |
| l                                   | 17                   |
| Pitch $n \times t$                  | $3 \times 120^\circ$ |
| Mounting dimensions                 |                      |
| Da max.                             | 33                   |
| da min.                             | 16                   |
| t1                                  | 0.1                  |
| Fixing screws                       | DIN EN ISO 4762 10.9 |
| Size                                | M6                   |
| $n \times t_a$                      | $3 \times 120^\circ$ |
| Basic load ratings axial            |                      |
| dyn. Ca N                           | 18600                |
| stat. C0a N                         | 24700                |
| Fatigue limit load $Cu$             | 1460                 |
| N                                   |                      |
| Limiting speed $nG$                 | 9200                 |
| grease min-1                        |                      |
| Thermally safe                      | 3800                 |
| operating speed $nP$                |                      |
| min-1                               |                      |
| Bearing frictional torque           | 0.16                 |
| MR Nm                               |                      |
| Rigidity axial caL N/ $\mu\text{m}$ | 375                  |
| Tilting rigidity ckL                | 50                   |
| Mass moment of inertia              | 0.068                |
| Mm                                  |                      |
| Axial runout $\mu\text{m}$          | <b>2</b>             |
| Recommended INA precision locknut   |                      |
| For radial locking                  | ZM12                 |
| For axial locking                   | -                    |
| Tightening torque MA                | 8                    |
| Nm                                  |                      |
| Required locknut force              | 5307                 |
| axial N                             |                      |