

## ZKLF ZKLN Double Direction Axial Angular Contact Ball Bearings

### ZKLF Axial angular contact ball bearings-ZKLF100200-2Z



|                                     |                      |
|-------------------------------------|----------------------|
| Designation                         | <b>ZKLF100200-2Z</b> |
| Mass $m = \text{kg}$                | 9.3                  |
| Dimensions                          |                      |
| d -0,005                            | <b>100</b>           |
| D -0,01                             | <b>200</b>           |
| B -0,25                             | 55                   |
| d1                                  | 132                  |
| r min.                              | 0.6                  |
| r1 min.                             | 0.6                  |
| J                                   | 175                  |
| d2                                  | 11                   |
| b                                   | 3                    |
| l                                   | 45                   |
| Pitch $n \times t$                  | $8 \times 45^\circ$  |
| Mounting dimensions                 |                      |
| Da max.                             | 150                  |
| da min.                             | 128                  |
| t1                                  | 0.2                  |
| Fixing screws                       | DIN EN ISO 4762 10.9 |
| Size                                | M10                  |
| $n \times t_a$                      | $8 \times 45^\circ$  |
| Basic load ratings axial            |                      |
| dyn. Ca N                           | 154000               |
| stat. C0a N                         | 435000               |
| Fatigue limit load $Cu$             | 22400                |
| N                                   |                      |
| Limiting speed $nG$                 | 3300                 |
| grease min-1                        |                      |
| Thermally safe                      | 2150                 |
| operating speed $nP$                |                      |
| min-1                               |                      |
| Bearing frictional torque           | 2.6                  |
| MR Nm                               |                      |
| Rigidity axial caL N/ $\mu\text{m}$ | 1900                 |
| Tilting rigidity ckL                | 5800                 |
| Mass moment of inertia              | 85.3                 |
| Mm                                  |                      |
| Axial runout $\mu\text{m}$          | 3                    |
| Recommended INA precision locknut   |                      |
| For radial locking                  | ZMA100/140           |
| For axial locking                   | AM100                |
| Tightening torque MA                | 250                  |
| Nm                                  |                      |
| Required locknut force              | 25624                |
| axial N                             |                      |