

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC71914-EDLR-T-P4S**



| | |
|---------------------|---------------------------|
| Designation | XC71914-EDLR-T-P4S |
| Main dimensions | |
| d | 70 |
| D | 100 |
| B | 16 |
| Basic load ratings | |
| Dyn. Cr(KN) | 25.5 |
| Stat. Cor(kN) | 11.7 |
| Fatigue limit load | |
| Cur N | 890 |
| Limiting speeds | |
| nG grease min | 24000 |
| nG oil min | 36000 |
| Dimensions | |
| r min. | 1 |
| r1 min. | 1 |
| BN | 3.1 |
| SN | 9.3 |
| SB | 1.4 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 76 |
| Da H12 | 94.5 |
| ra max. | 0.6 |
| ra1 max. | 0.3 |
| Preload force FV | |
| L N | 69 |
| M N | 207 |
| H N | 414 |
| Lift-off force KaE | |
| L N | 198 |
| M N | 602 |
| H N | 1221 |
| Axial rigidity ca | |
| L N/μm | 117 |
| M N/μm | 173 |
| H N/μm | 223 |
| Mass | |
| m = kg | 0.322 |

Spindle bearing

Spindle bearings HCB70/72/718/719..-EDLR, adjusted, matched pairs or sets, contact angle $\alpha = 25^\circ$, with ceramic balls, restricted tolerances, for direct oil feed via outer ring, with inserted O rings