

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7014-EDLR-T-P4S**



| | |
|---------------------|---------------------------|
| Designation | HCB7014-EDLR-T-P4S |
| Main dimensions | |
| d | 70 |
| D | 110 |
| B | 20 |
| Basic load ratings | |
| Dyn. Cr(KN) | 48 |
| Stat. Cor(kN) | 28 |
| Fatigue limit load | |
| Cur N | 2120 |
| Limiting speeds | |
| nG grease min | 16000 |
| nG oil min | 24000 |
| Dimensions | |
| r min. | 1.1 |
| r1 min. | 1.1 |
| BN | 4 |
| SN | 11.6 |
| SB | 1.4 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 77 |
| Da H12 | 102 |
| ra max. | 1 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 188 |
| M N | 749 |
| H N | 1633 |
| Lift-off force KaE | |
| L N | 540 |
| M N | 2203 |
| H N | 4915 |
| Axial rigidity ca | |
| L N/μm | 147 |
| M N/μm | 242 |
| H N/μm | 326 |
| Mass | |
| m = kg | 0.48 |

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