

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7018-EDLR-T-P4S**



| | |
|---------------------|---------------------------|
| Designation | HCB7018-EDLR-T-P4S |
| Main dimensions | |
| d | 90 |
| D | 140 |
| B | 24 |
| Basic load ratings | |
| Dyn. Cr(KN) | 74 |
| Stat. Cor(kN) | 46.5 |
| Fatigue limit load | |
| Cur N | 3300 |
| Limiting speeds | |
| nG grease min | 12000 |
| nG oil min | 19000 |
| Dimensions | |
| r min. | 1.5 |
| r1 min. | 1.5 |
| BN | 5.5 |
| SN | 14.5 |
| SB | 2.2 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 100 |
| Da H12 | 131 |
| ra max. | 1.5 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 319 |
| M N | 1201 |
| H N | 2577 |
| Lift-off force KaE | |
| L N | 916 |
| M N | 3528 |
| H N | 7745 |
| Axial rigidity ca | |
| L N/μm | 195 |
| M N/μm | 316 |
| H N/μm | 423 |
| Mass | |
| m = kg | 0.93 |

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