

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71917-CDLR-T-P4S**



| | |
|---------------------|----------------------------|
| Designation | HCB71917-CDLR-T-P4S |
| Main dimensions | |
| d | 85 |
| D | 120 |
| B | 18 |
| Basic load ratings | |
| Dyn. Cr(KN) | 47 |
| Stat. Cor(kN) | 32 |
| Fatigue limit load | |
| Cur N | 2400 |
| Limiting speeds | |
| nG grease min | 15000 |
| nG oil min | 24000 |
| Dimensions | |
| r min. | 1.1 |
| r1 min. | 1.1 |
| BN | 4 |
| SN | 10.4 |
| SB | 2.2 |
| Contact angle | |
| a ° | 15 |
| Mounting dimensions | |
| da h12 | 92 |
| Da H12 | 114 |
| ra max. | 0.6 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 117 |
| M N | 428 |
| H N | 906 |
| Lift-off force KaE | |
| L N | 346 |
| M N | 1341 |
| H N | 2985 |
| Axial rigidity ca | |
| L N/μm | 67.4 |
| M N/μm | 114 |
| H N/μm | 161 |
| Mass | |
| m = kg | 0.43 |

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