

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7008-CDLR-T-P4S**



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|---------------------|---------------------------|
| Designation | HCB7008-CDLR-T-P4S |
| Main dimensions | |
| d | 40 |
| D | 68 |
| B | 15 |
| Basic load ratings | |
| Dyn. Cr(KN) | 20.9 |
| Stat. Cor(kN) | 10.7 |
| Fatigue limit load | |
| Cur N | 820 |
| Limiting speeds | |
| nG grease min | 30000 |
| nG oil min | 45000 |
| Dimensions | |
| r min. | 1 |
| r1 min. | 1 |
| BN | 2.8 |
| SN | 8.5 |
| SB | 1.4 |
| Contact angle | |
| a ° | 15 |
| Mounting dimensions | |
| da h12 | 46 |
| Da H12 | 62 |
| ra max. | 1 |
| ra1 max. | 0.3 |
| Preload force FV | |
| L N | 49 |
| M N | 188 |
| H N | 402 |
| Lift-off force KaE | |
| L N | 146 |
| M N | 597 |
| H N | 1350 |
| Axial rigidity ca | |
| L N/μm | 36.1 |
| M N/μm | 63.1 |
| H N/μm | 89.9 |
| Mass | |
| m = kg | 0.164 |

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