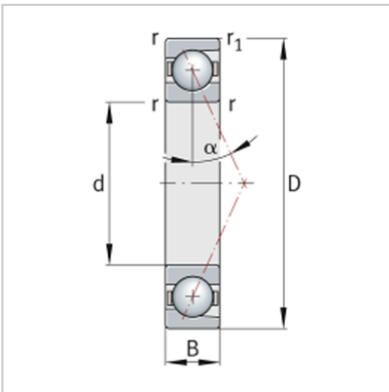


Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71920-CDLR-T-P4S**



| | |
|---------------------|----------------------------|
| Designation | HCB71920-CDLR-T-P4S |
| Main dimensions | |
| d | 100 |
| D | 140 |
| B | 20 |
| Basic load ratings | |
| Dyn. Cr(KN) | 60 |
| Stat. Cor(kN) | 43 |
| Fatigue limit load | |
| Cur N | 2950 |
| Limiting speeds | |
| nG grease min | 13000 |
| nG oil min | 20000 |
| Dimensions | |
| r min. | 1.1 |
| r1 min. | 1.1 |
| BN | 4 |
| SN | 12 |
| SB | 2.2 |
| Contact angle | |
| a ° | 15 |
| Mounting dimensions | |
| da h12 | 107 |
| Da H12 | 133 |
| ra max. | 0.6 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 160 |
| M N | 572 |
| H N | 1201 |
| Lift-off force KaE | |
| L N | 473 |
| M N | 1789 |
| H N | 3950 |
| Axial rigidity ca | |
| L N/μm | 80.4 |
| M N/μm | 135 |
| H N/μm | 189 |
| Mass | |
| m = kg | 0.64 |

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