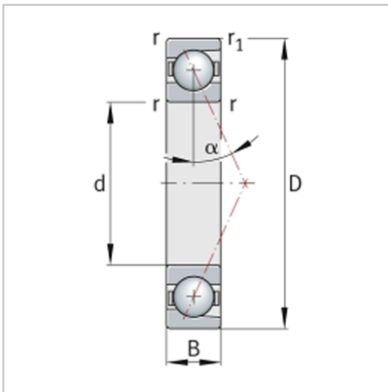


Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7010-EDLR-T-P4S**



| | |
|---------------------|--------------------------|
| Designation | HC7010-EDLR-T-P4S |
| Main dimensions | |
| d | 50 |
| D | 80 |
| B | 16 |
| Basic load ratings | |
| Dyn. Cr(KN) | 12.1 |
| Stat. Cor(kN) | 7.4 |
| Fatigue limit load | |
| Cur N | 560 |
| Limiting speeds | |
| nG grease min | 28000 |
| nG oil min | 43000 |
| Dimensions | |
| r min. | 1 |
| r1 min. | 1 |
| BN | 3.4 |
| SN | 9.3 |
| SB | 1.4 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 56 |
| Da H12 | 74 |
| ra max. | 1 |
| ra1 max. | 0.3 |
| Preload force FV | |
| L N | 50 |
| M N | 149 |
| H N | 298 |
| Lift-off force KaE | |
| L N | 143 |
| M N | 435 |
| H N | 883 |
| Axial rigidity ca | |
| L N/μm | 90 |
| M N/μm | 133 |
| H N/μm | 172 |
| Mass | |
| m = kg | 0.262 |

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