

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC71918-EDLR-T-P4S**



| | |
|---------------------|---------------------------|
| Designation | HC71918-EDLR-T-P4S |
| Main dimensions | |
| d | 90 |
| D | 125 |
| B | 18 |
| Basic load ratings | |
| Dyn. Cr(KN) | 21.9 |
| Stat. Cor(kN) | 16.9 |
| Fatigue limit load | |
| Cur N | 1240 |
| Limiting speeds | |
| nG grease min | 17000 |
| nG oil min | 26000 |
| Dimensions | |
| r min. | 1.1 |
| r1 min. | 1.1 |
| BN | 4 |
| SN | 10.4 |
| SB | 2.2 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 97 |
| Da H12 | 119 |
| ra max. | 0.6 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 90 |
| M N | 269 |
| H N | 538 |
| Lift-off force KaE | |
| L N | 257 |
| M N | 781 |
| H N | 1584 |
| Axial rigidity ca | |
| L N/μm | 144 |
| M N/μm | 212 |
| H N/μm | 273 |
| Mass | |
| m = kg | 0.55 |

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