

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7019-EDLR-T-P4S**



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|---------------------|--------------------------|
| Designation | XC7019-EDLR-T-P4S |
| Main dimensions | |
| d | 95 |
| D | 145 |
| B | 24 |
| Basic load ratings | |
| Dyn. Cr(KN) | 52 |
| Stat. Cor(kN) | 25 |
| Fatigue limit load | |
| Cur N | 1730 |
| Limiting speeds | |
| nG grease min | 17000 |
| nG oil min | 26000 |
| Dimensions | |
| r min. | 1.5 |
| r1 min. | 1.5 |
| BN | 5.5 |
| SN | 14.5 |
| SB | 2.2 |
| Contact angle | |
| a ° | 25 |
| Mounting dimensions | |
| da h12 | 105 |
| Da H12 | 136 |
| ra max. | 1.5 |
| ra1 max. | 0.6 |
| Preload force FV | |
| L N | 141 |
| M N | 423 |
| H N | 845 |
| Lift-off force KaE | |
| L N | 404 |
| M N | 1227 |
| H N | 2488 |
| Axial rigidity ca | |
| L N/μm | 167 |
| M N/μm | 246 |
| H N/μm | 317 |
| Mass | |
| m = kg | 1.22 |

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