

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7019-CDLR-T-P4S**



Designation	HCB7019-CDLR-T-P4S
Main dimensions	
d	95
D	145
B	24
Basic load ratings	
Dyn. Cr(KN)	81
Stat. Cor(kN)	52
Fatigue limit load	
Cur N	3600
Limiting speeds	
nG grease min	13000
nG oil min	20000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	105
Da H12	136
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	233
M N	794
H N	1643
Lift-off force KaE	
L N	693
M N	2499
H N	5442
Axial rigidity ca	
L N/μm	85.3
M N/μm	141
H N/μm	197
Mass	
m = kg	0.98

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