

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71909-CDLR-T-P4S**



Designation	HCB71909-CDLR-T-P4S
Main dimensions	
d	45
D	68
B	12
Basic load ratings	
Dyn. Cr(KN)	19.1
Stat. Cor(kN)	10.7
Fatigue limit load	
Cur N	820
Limiting speeds	
nG grease min	28000
nG oil min	45000
Dimensions	
r min.	0.6
r1 min.	0.6
BN	2.2
SN	6.6
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	50
Da H12	63.5
ra max.	0.6
ra1 max.	0.15
Preload force FV	
L N	40
M N	164
H N	355
Lift-off force KaE	
L N	120
M N	516
H N	1182
Axial rigidity ca	
L N/μm	36.2
M N/μm	64.1
H N/μm	91.7
Mass	
m = kg	0.107

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