

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7009-CDLR-T-P4S**



Designation	HCB7009-CDLR-T-P4S
Main dimensions	
d	45
D	75
B	16
Basic load ratings	
Dyn. Cr(KN)	28
Stat. Cor(kN)	14.3
Fatigue limit load	
Cur N	1090
Limiting speeds	
nG grease min	26000
nG oil min	40000
Dimensions	
r min.	1
r1 min.	1
BN	3.4
SN	9.3
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	51
Da H12	69
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	71
M N	261
H N	549
Lift-off force KaE	
L N	212
M N	827
H N	1843
Axial rigidity ca	
L N/μm	41.9
M N/μm	71.9
H N/μm	102
Mass	
m = kg	0.191

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