

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7014-CDLR-T-P4S**



Designation	HCB7014-CDLR-T-P4S
Main dimensions	
d	70
D	110
B	20
Basic load ratings	
Dyn. Cr(KN)	50
Stat. Cor(kN)	29.5
Fatigue limit load	
Cur N	2230
Limiting speeds	
nG grease min	18000
nG oil min	28000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	11.6
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	77
Da H12	102
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	139
M N	487
H N	1014
Lift-off force KaE	
L N	414
M N	1538
H N	3380
Axial rigidity ca	
L N/μm	62.3
M N/μm	105
H N/μm	147
Mass	
m = kg	0.48

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