

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7010-CDLR-T-P4S**



Designation	<b>HCB7010-CDLR-T-P4S</b>
Main dimensions	
d	50
D	80
B	16
Basic load ratings	
Dyn. Cr(KN)	29
Stat. Cor( kN)	15.4
Fatigue limit load	
Cur N	1170
Limiting speeds	
nG grease min	24000
nG oil min	38000
Dimensions	
r min.	<b>1</b>
r1 min.	<b>1</b>
BN	3.4
SN	9.3
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	56
Da H12	74
ra max.	<b>1</b>
ra1 max.	0.3
Preload force FV	
L N	73
M N	268
H N	566
Lift-off force KaE	
L N	217
M N	848
H N	1894
Axial rigidity ca	
L N/μm	43.9
M N/μm	75.3
H N/μm	107
Mass	
m = kg	0.205

## 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