

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7021-CDLR-T-P4S**



Designation	<b>HCB7021-CDLR-T-P4S</b>
Main dimensions	
d	105
D	160
B	26
Basic load ratings	
Dyn. Cr(KN)	85
Stat. Cor( kN)	58
Fatigue limit load	
Cur N	3850
Limiting speeds	
nG grease min	12000
nG oil min	18000
Dimensions	
r min.	<b>2</b>
r1 min.	<b>2</b>
BN	5.5
SN	15.5
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	116
Da H12	150
ra max.	<b>2</b>
ra1 max.	<b>1</b>
Preload force FV	
L N	244
M N	836
H N	1732
Lift-off force KaE	
L N	725
M N	2623
H N	5718
Axial rigidity ca	
L N/μm	92.1
M N/μm	153
H N/μm	213
Mass	
m = kg	1.36

## 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