

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7022-EDLR-T-P4S**



Designation	<b>HCB7022-EDLR-T-P4S</b>
Main dimensions	
d	110
D	170
B	28
Basic load ratings	
Dyn. Cr(KN)	106
Stat. Cor( kN)	<b>70</b>
Fatigue limit load	
Cur N	4500
Limiting speeds	
nG grease min	11000
nG oil min	16000
Dimensions	
r min.	<b>2</b>
r1 min.	<b>2</b>
BN	6
SN	16.2
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	121
Da H12	159
ra max.	<b>2</b>
ra1 max.	1
Preload force FV	
L N	490
M N	1779
H N	3778
Lift-off force KaE	
L N	1409
M N	5224
H N	11341
Axial rigidity ca	
L N/μm	248
M N/μm	395
H N/μm	527
Mass	
m = kg	1.59

## 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