

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7006-CDLR-T-P4S**



Designation	<b>HCB7006-CDLR-T-P4S</b>
Main dimensions	
d	30
D	55
B	13
Basic load ratings	
Dyn. Cr(KN)	14.4
Stat. Cor( kN)	6.4
Fatigue limit load	
Cur N	485
Limiting speeds	
nG grease min	38000
nG oil min	60000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	36
Da H12	49
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	35
M N	137
H N	293
Lift-off force KaE	
L N	104
M N	431
H N	976
Axial rigidity ca	
L N/μm	26.9
M N/μm	47
H N/μm	67.1
Mass	
m = kg	0.1

## 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