

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71913-CDLR-T-P4S**



Designation	<b>HCB71913-CDLR-T-P4S</b>
Main dimensions	
d	65
D	90
B	<b>13</b>
Basic load ratings	
Dyn. Cr(KN)	25
Stat. Cor( kN)	16.1
Fatigue limit load	
Cur N	1230
Limiting speeds	
nG grease min	20000
nG oil min	32000
Dimensions	
r min.	<b>1</b>
r1 min.	<b>1</b>
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	70
Da H12	85.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	55
M N	219
H N	473
Lift-off force KaE	
L N	161
M N	684
H N	1562
Axial rigidity ca	
L N/μm	46.6
M N/μm	81.7
H N/μm	116
Mass	
m = kg	0.161

## 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