

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71910-EDLR-T-P4S**



Designation	<b>HCB71910-EDLR-T-P4S</b>
Main dimensions	
d	50
D	72
B	12
Basic load ratings	
Dyn. Cr(KN)	18.6
Stat. Cor( kN)	10.8
Fatigue limit load	
Cur N	820
Limiting speeds	
nG grease min	24000
nG oil min	36000
Dimensions	
r min.	0.6
r1 min.	0.6
BN	2.2
SN	6.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	55
Da H12	67.5
ra max.	0.6
ra1 max.	0.15
Preload force FV	
L N	40
M N	229
H N	542
Lift-off force KaE	
L N	115
M N	671
H N	1626
Axial rigidity ca	
L N/μm	79.7
M N/μm	148
H N/μm	205
Mass	
m = kg	0.102

## 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