

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7017-EDLR-T-P4S**



Designation	<b>HCB7017-EDLR-T-P4S</b>
Main dimensions	
d	85
D	130
B	22
Basic load ratings	
Dyn. Cr(KN)	63
Stat. Cor( kN)	39.5
Fatigue limit load	
Cur N	2900
Limiting speeds	
nG grease min	13000
nG oil min	20000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.7
SN	12.2
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	93
Da H12	122
ra max.	<b>1</b>
ra1 max.	0.6
Preload force FV	
L N	256
M N	997
H N	2159
Lift-off force KaE	
L N	736
M N	2927
H N	6484
Axial rigidity ca	
L N/μm	181
M N/μm	296
H N/μm	398
Mass	
m = kg	0.72

## 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