

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71918-EDLR-T-P4S**



Designation	<b>HCB71918-EDLR-T-P4S</b>
Main dimensions	
d	90
D	125
B	<b>18</b>
Basic load ratings	
Dyn. Cr(KN)	45
Stat. Cor( kN)	31.5
Fatigue limit load	
Cur N	2330
Limiting speeds	
nG grease min	13000
nG oil min	20000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	<b>4</b>
SN	10.4
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	97
Da H12	119
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	147
M N	648
H N	1450
Lift-off force KaE	
L N	421
M N	1897
H N	4337
Axial rigidity ca	
L N/μm	160
M N/μm	272
H N/μm	369
Mass	
m = kg	0.445

## 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