

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71916-EDLR-T-P4S**



Designation	<b>HCB71916-EDLR-T-P4S</b>
Main dimensions	
d	80
D	110
B	<b>16</b>
Basic load ratings	
Dyn. Cr(KN)	33.5
Stat. Cor( kN)	23
Fatigue limit load	
Cur N	1750
Limiting speeds	
nG grease min	15000
nG oil min	24000
Dimensions	
r min.	<b>1</b>
r1 min.	<b>1</b>
BN	3.1
SN	9.3
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	86
Da H12	104
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	95
M N	459
H N	1049
Lift-off force KaE	
L N	273
M N	1344
H N	3137
Axial rigidity ca	
L N/μm	132
M N/μm	230
H N/μm	315
Mass	
m = kg	0.295

## 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