

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7016-EDLR-T-P4S**



Designation	<b>HC7016-EDLR-T-P4S</b>
Main dimensions	
d	80
D	125
B	22
Basic load ratings	
Dyn. Cr(KN)	28.5
Stat. Cor( kN)	19.7
Fatigue limit load	
Cur N	1480
Limiting speeds	
nG grease min	18000
nG oil min	28000
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	88
Da H12	117
ra max.	<b>1</b>
ra1 max.	0.6
Preload force FV	
L N	117
M N	352
H N	704
Lift-off force KaE	
L N	336
M N	1023
H N	2075
Axial rigidity ca	
L N/μm	146
M N/μm	215
H N/μm	278
Mass	
m = kg	0.86

## 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