

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7016-CDLR-T-P4S**



Designation	HCB7016-CDLR-T-P4S
Main dimensions	
d	80
D	125
B	22
Basic load ratings	
Dyn. Cr(KN)	64
Stat. Cor(kN)	39
Fatigue limit load	
Cur N	2950
Limiting speeds	
nG grease min	15000
nG oil min	24000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.7
SN	12.2
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	88
Da H12	117
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	186
M N	640
H N	1327
Lift-off force KaE	
L N	554
M N	2020
H N	4415
Axial rigidity ca	
L N/μm	74
M N/μm	123
H N/μm	173
Mass	
m = kg	0.69

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