

Angular Contact Ball Bearing

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



Designation	HCB71916-CDLR-T-P4S
Main dimensions	
d	80
D	110
B	16
Basic load ratings	
Dyn. Cr(KN)	35.5
Stat. Cor(kN)	24.3
Fatigue limit load	
Cur N	1850
Limiting speeds	
nG grease min	17000
nG oil min	26000
Dimensions	
r min.	1
r1 min.	1
BN	3.1
SN	9.3
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	86
Da H12	104
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	84
M N	321
H N	686
Lift-off force KaE	
L N	249
M N	1004
H N	2259
Axial rigidity ca	
L N/μm	58.8
M N/μm	101
H N/μm	143
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