

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71914-CDLR-T-P4S**



Designation	HCB71914-CDLR-T-P4S
Main dimensions	
d	70
D	100
B	16
Basic load ratings	
Dyn. Cr(KN)	34.5
Stat. Cor(kN)	22
Fatigue limit load	
Cur N	1670
Limiting speeds	
nG grease min	19000
nG oil min	28000
Dimensions	
r min.	1
r1 min.	1
BN	3.1
SN	9.3
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	76
Da H12	94.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	83
M N	312
H N	665
Lift-off force KaE	
L N	245
M N	980
H N	2200
Axial rigidity ca	
L N/μm	55.5
M N/μm	95.3
H N/μm	135
Mass	
m = kg	0.268

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