

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7013-CDLR-T-P4S**



Designation	HCB7013-CDLR-T-P4S
Main dimensions	
d	65
D	100
B	18
Basic load ratings	
Dyn. Cr(KN)	41.5
Stat. Cor(kN)	24.3
Fatigue limit load	
Cur N	1850
Limiting speeds	
nG grease min	19000
nG oil min	30000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	10.4
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	72
Da H12	93
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	107
M N	385
H N	808
Lift-off force KaE	
L N	318
M N	1213
H N	2688
Axial rigidity ca	
L N/μm	56.4
M N/μm	95.6
H N/μm	135
Mass	
m = kg	0.343

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