

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71915-CDLR-T-P4S**



Designation	HCB71915-CDLR-T-P4S
Main dimensions	
d	75
D	105
B	16
Basic load ratings	
Dyn. Cr(KN)	35
Stat. Cor(kN)	23.1
Fatigue limit load	
Cur N	1760
Limiting speeds	
nG grease min	18000
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	81
Da H12	99.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	83
M N	317
H N	676
Lift-off force KaE	
L N	247
M N	991
H N	2229
Axial rigidity ca	
L N/μm	57.1
M N/μm	98.2
H N/μm	139
Mass	
m = kg	0.277

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