

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71912-CDLR-T-P4S**



Designation	HCB71912-CDLR-T-P4S
Main dimensions	
d	60
D	85
B	13
Basic load ratings	
Dyn. Cr(KN)	24.7
Stat. Cor(kN)	15.3
Fatigue limit load	
Cur N	1170
Limiting speeds	
nG grease min	22000
nG oil min	34000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	65
Da H12	80.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	54
M N	214
H N	462
Lift-off force KaE	
L N	159
M N	671
H N	1530
Axial rigidity ca	
L N/μm	45.1
M N/μm	79
H N/μm	112
Mass	
m = kg	0.151

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