

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71911-CDLR-T-P4S**



Designation	HCB71911-CDLR-T-P4S
Main dimensions	
d	55
D	80
B	13
Basic load ratings	
Dyn. Cr(KN)	23.5
Stat. Cor(kN)	13.8
Fatigue limit load	
Cur N	1050
Limiting speeds	
nG grease min	24000
nG oil min	36000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	60
Da H12	75.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	53
M N	208
H N	447
Lift-off force KaE	
L N	157
M N	654
H N	1487
Axial rigidity ca	
L N/μm	42.4
M N/μm	74.1
H N/μm	106
Mass	
m = kg	0.14

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