

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7012-CDLR-T-P4S**



Designation	HCB7012-CDLR-T-P4S
Main dimensions	
d	60
D	95
B	18
Basic load ratings	
Dyn. Cr(KN)	40
Stat. Cor(kN)	22.7
Fatigue limit load	
Cur N	1730
Limiting speeds	
nG grease min	20000
nG oil min	32000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.3
SN	9.7
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	67
Da H12	88
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	106
M N	379
H N	794
Lift-off force KaE	
L N	315
M N	1198
H N	2651
Axial rigidity ca	
L N/μm	54.4
M N/μm	92.2
H N/μm	130
Mass	
m = kg	0.326

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