

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7008-CDLR-T-P4S**



Designation	HCB7008-CDLR-T-P4S
Main dimensions	
d	40
D	68
B	15
Basic load ratings	
Dyn. Cr(KN)	20.9
Stat. Cor(kN)	10.7
Fatigue limit load	
Cur N	820
Limiting speeds	
nG grease min	30000
nG oil min	45000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	8.5
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	46
Da H12	62
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	49
M N	188
H N	402
Lift-off force KaE	
L N	146
M N	597
H N	1350
Axial rigidity ca	
L N/μm	36.1
M N/μm	63.1
H N/μm	89.9
Mass	
m = kg	0.164

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