

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7017-CDLR-T-P4S**



Designation	HCB7017-CDLR-T-P4S
Main dimensions	
d	85
D	130
B	22
Basic load ratings	
Dyn. Cr(KN)	66
Stat. Cor(kN)	41.5
Fatigue limit load	
Cur N	3050
Limiting speeds	
nG grease min	15000
nG oil min	22000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.7
SN	12.2
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	93
Da H12	122
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	189
M N	653
H N	1356
Lift-off force KaE	
L N	562
M N	2058
H N	4501
Axial rigidity ca	
L N/μm	76.9
M N/μm	128
H N/μm	179
Mass	
m = kg	0.72

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