

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71922-CDLR-T-P4S**



Designation	HCB71922-CDLR-T-P4S
Main dimensions	
d	110
D	150
B	20
Basic load ratings	
Dyn. Cr(KN)	61
Stat. Cor(kN)	45
Fatigue limit load	
Cur N	3000
Limiting speeds	
nG grease min	12000
nG oil min	19000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	12
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	117
Da H12	143
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	158
M N	570
H N	1199
Lift-off force KaE	
L N	468
M N	1777
H N	3931
Axial rigidity ca	
L N/μm	82.1
M N/μm	138
H N/μm	193
Mass	
m = kg	0.69

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