

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7020-CDLR-T-P4S**



Designation	HCB7020-CDLR-T-P4S
Main dimensions	
d	100
D	150
B	24
Basic load ratings	
Dyn. Cr(KN)	83
Stat. Cor(kN)	55
Fatigue limit load	
Cur N	3750
Limiting speeds	
nG grease min	13000
nG oil min	19000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	110
Da H12	141
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	241
M N	823
H N	1703
Lift-off force KaE	
L N	717
M N	2587
H N	5636
Axial rigidity ca	
L N/μm	89.1
M N/μm	148
H N/μm	206
Mass	
m = kg	1.01

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