

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7014-EDLR-T-P4S**



Designation	HCB7014-EDLR-T-P4S
Main dimensions	
d	70
D	110
B	20
Basic load ratings	
Dyn. Cr(KN)	48
Stat. Cor(kN)	28
Fatigue limit load	
Cur N	2120
Limiting speeds	
nG grease min	16000
nG oil min	24000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	11.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	77
Da H12	102
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	188
M N	749
H N	1633
Lift-off force KaE	
L N	540
M N	2203
H N	4915
Axial rigidity ca	
L N/μm	147
M N/μm	242
H N/μm	326
Mass	
m = kg	0.48

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