

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7014-EDLR-T-P4S**



Designation	HC7014-EDLR-T-P4S
Main dimensions	
d	70
D	110
B	20
Basic load ratings	
Dyn. Cr(KN)	23.6
Stat. Cor(kN)	15.6
Fatigue limit load	
Cur N	1190
Limiting speeds	
nG grease min	20000
nG oil min	32000
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	98
M N	293
H N	587
Lift-off force KaE	
L N	280
M N	853
H N	1731
Axial rigidity ca	
L N/μm	130
M N/μm	192
H N/μm	248
Mass	
m = kg	0.596

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