

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7022-EDLR-T-P4S**



Designation	HC7022-EDLR-T-P4S
Main dimensions	
d	110
D	170
B	28
Basic load ratings	
Dyn. Cr(KN)	45.5
Stat. Cor(kN)	34
Fatigue limit load	
Cur N	2200
Limiting speeds	
nG grease min	13000
nG oil min	20000
Dimensions	
r min.	2
r1 min.	2
BN	6
SN	16.2
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	121
Da H12	159
ra max.	2
ra1 max.	1
Preload force FV	
L N	187
M N	561
H N	1121
Lift-off force KaE	
L N	535
M N	1627
H N	3299
Axial rigidity ca	
L N/μm	193
M N/μm	284
H N/μm	366
Mass	
m = kg	2.02

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