

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7021-EDLR-T-P4S**



Designation	HC7021-EDLR-T-P4S
Main dimensions	
d	105
D	160
B	26
Basic load ratings	
Dyn. Cr(KN)	45
Stat. Cor(kN)	33
Fatigue limit load	
Cur N	2180
Limiting speeds	
nG grease min	14000
nG oil min	22000
Dimensions	
r min.	2
r1 min.	2
BN	5.5
SN	15.5
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	116
Da H12	150
ra max.	2
ra1 max.	1
Preload force FV	
L N	184
M N	552
H N	1104
Lift-off force KaE	
L N	527
M N	1602
H N	3250
Axial rigidity ca	
L N/μm	188
M N/μm	277
H N/μm	357
Mass	
m = kg	1.56

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