

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7021-EDLR-T-P4S**



Designation	HCB7021-EDLR-T-P4S
Main dimensions	
d	105
D	160
B	26
Basic load ratings	
Dyn. Cr(KN)	80
Stat. Cor(kN)	55
Fatigue limit load	
Cur N	3650
Limiting speeds	
nG grease min	11000
nG oil min	16000
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	336
M N	1285
H N	2768
Lift-off force KaE	
L N	966
M N	3768
H N	8297
Axial rigidity ca	
L N/μm	219
M N/μm	355
H N/μm	476
Mass	
m = kg	1.36

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