

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC71920-EDLR-T-P4S**



Designation	HC71920-EDLR-T-P4S
Main dimensions	
d	100
D	140
B	20
Basic load ratings	
Dyn. Cr(KN)	27
Stat. Cor(kN)	21.2
Fatigue limit load	
Cur N	1470
Limiting speeds	
nG grease min	15000
nG oil min	24000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	12
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	107
Da H12	133
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	109
M N	328
H N	656
Lift-off force KaE	
L N	313
M N	951
H N	1927
Axial rigidity ca	
L N/μm	162
M N/μm	239
H N/μm	307
Mass	
m = kg	0.8

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