

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC71917-EDLR-T-P4S**



Designation	HC71917-EDLR-T-P4S
Main dimensions	
d	85
D	120
B	18
Basic load ratings	
Dyn. Cr(KN)	20
Stat. Cor(kN)	15.3
Fatigue limit load	
Cur N	1150
Limiting speeds	
nG grease min	18000
nG oil min	28000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	10.4
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	92
Da H12	114
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	82
M N	247
H N	493
Lift-off force KaE	
L N	236
M N	716
H N	1452
Axial rigidity ca	
L N/μm	140
M N/μm	206
H N/μm	265
Mass	
m = kg	0.535

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