

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71917-EDLR-T-P4S**



Designation	HCB71917-EDLR-T-P4S
Main dimensions	
d	85
D	120
B	18
Basic load ratings	
Dyn. Cr(KN)	44.5
Stat. Cor(kN)	30
Fatigue limit load	
Cur N	2270
Limiting speeds	
nG grease min	14000
nG oil min	22000
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	143
M N	627
H N	1403
Lift-off force KaE	
L N	409
M N	1837
H N	4197
Axial rigidity ca	
L N/μm	154
M N/μm	262
H N/μm	356
Mass	
m = kg	0.43

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