

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71907-EDLR-T-P4S**



Designation	HCB71907-EDLR-T-P4S
Main dimensions	
d	35
D	55
B	10
Basic load ratings	
Dyn. Cr(KN)	11.5
Stat. Cor(kN)	6.2
Fatigue limit load	
Cur N	470
Limiting speeds	
nG grease min	32000
nG oil min	50000
Dimensions	
r min.	0.6
r1 min.	0.6
BN	1.6
SN	5.8
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	40
Da H12	51.5
ra max.	0.6
ra1 max.	0.15
Preload force FV	
L N	33
M N	158
H N	359
Lift-off force KaE	
L N	95
M N	463
H N	1081
Axial rigidity ca	
L N/μm	66.7
M N/μm	117
H N/μm	161
Mass	
m = kg	0.065

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