

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71913-EDLR-T-P4S**



Designation	HCB71913-EDLR-T-P4S
Main dimensions	
d	65
D	90
B	13
Basic load ratings	
Dyn. Cr(KN)	23.7
Stat. Cor(kN)	15.3
Fatigue limit load	
Cur N	1160
Limiting speeds	
nG grease min	19000
nG oil min	28000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	70
Da H12	85.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	58
M N	309
H N	723
Lift-off force KaE	
L N	165
M N	904
H N	2165
Axial rigidity ca	
L N/μm	102
M N/μm	185
H N/μm	255
Mass	
m = kg	0.161

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