

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71909-EDLR-T-P4S**



Designation	HCB71909-EDLR-T-P4S
Main dimensions	
d	45
D	68
B	12
Basic load ratings	
Dyn. Cr(KN)	18.2
Stat. Cor(kN)	10.2
Fatigue limit load	
Cur N	770
Limiting speeds	
nG grease min	26000
nG oil min	40000
Dimensions	
r min.	0.6
r1 min.	0.6
BN	2.2
SN	6.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	50
Da H12	63.5
ra max.	0.6
ra1 max.	0.15
Preload force FV	
L N	42
M N	233
H N	547
Lift-off force KaE	
L N	121
M N	682
H N	1643
Axial rigidity ca	
L N/μm	78.5
M N/μm	144
H N/μm	200
Mass	
m = kg	0.107

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