

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71918-CDLR-T-P4S**



Designation	HCB71918-CDLR-T-P4S
Main dimensions	
d	90
D	125
B	18
Basic load ratings	
Dyn. Cr(KN)	48
Stat. Cor(kN)	33.5
Fatigue limit load	
Cur N	2460
Limiting speeds	
nG grease min	15000
nG oil min	22000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	10.4
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	97
Da H12	119
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	118
M N	434
H N	919
Lift-off force KaE	
L N	349
M N	1357
H N	3023
Axial rigidity ca	
L N/μm	69.4
M N/μm	118
H N/μm	165
Mass	
m = kg	0.445

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