

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC71919-EDLR-T-P4S**



Designation	HC71919-EDLR-T-P4S
Main dimensions	
d	95
D	130
B	18
Basic load ratings	
Dyn. Cr(KN)	22.5
Stat. Cor(kN)	17.9
Fatigue limit load	
Cur N	1290
Limiting speeds	
nG grease min	16000
nG oil min	24000
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	102
Da H12	124
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	92
M N	276
H N	552
Lift-off force KaE	
L N	263
M N	801
H N	1623
Axial rigidity ca	
L N/μm	150
M N/μm	221
H N/μm	285
Mass	
m = kg	0.57

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