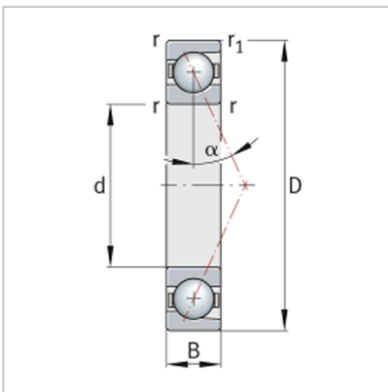


## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB71919-CDLR-T-P4S**



Designation	<b>HCB71919-CDLR-T-P4S</b>
Main dimensions	
d	95
D	130
B	18
Basic load ratings	
Dyn. Cr(KN)	48.5
Stat. Cor( kN)	35
Fatigue limit load	
Cur N	2500
Limiting speeds	
nG grease min	14000
nG oil min	22000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	<b>4</b>
SN	10.4
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	102
Da H12	124
ra max.	0.6
ra1 max.	0.6
Preload force FV	
L N	119
M N	440
H N	932
Lift-off force KaE	
L N	352
M N	1373
H N	3061
Axial rigidity ca	
L N/μm	71.3
M N/μm	121
H N/μm	170
Mass	
m = kg	0.462

## 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