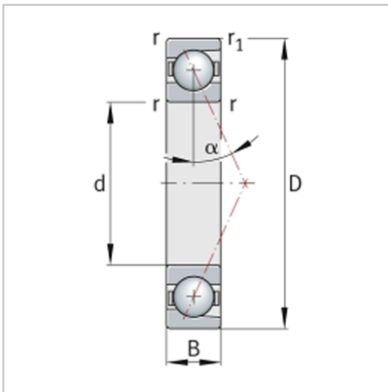


## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7018-CDLR-T-P4S**



Designation	<b>HCB7018-CDLR-T-P4S</b>
Main dimensions	
d	90
D	140
B	24
Basic load ratings	
Dyn. Cr(KN)	78
Stat. Cor( kN)	49
Fatigue limit load	
Cur N	3450
Limiting speeds	
nG grease min	14000
nG oil min	22000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	15
Mounting dimensions	
da h12	100
Da H12	131
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	230
M N	781
H N	1613
Lift-off force KaE	
L N	685
M N	2464
H N	5361
Axial rigidity ca	
L N/μm	82.3
M N/μm	136
H N/μm	191
Mass	
m = kg	0.93

## 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