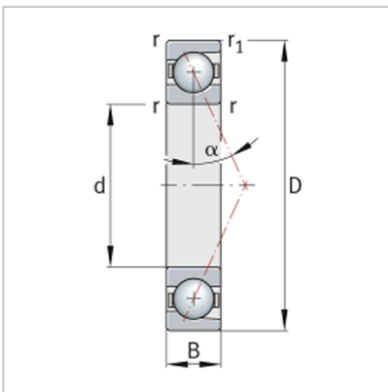


## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7011-CDLR-T-P4S**



Designation	<b>HCB7011-CDLR-T-P4S</b>
Main dimensions	
d	55
D	90
B	18
Basic load ratings	
Dyn. Cr(KN)	38.5
Stat. Cor( kN)	21.2
Fatigue limit load	
Cur N	1610
Limiting speeds	
nG grease min	22000
nG oil min	34000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.3
SN	9.7
SB	1.4
Contact angle	
a °	15
Mounting dimensions	
da h12	62
Da H12	83
ra max.	<b>1</b>
ra1 max.	0.6
Preload force FV	
L N	102
M N	366
H N	765
Lift-off force KaE	
L N	305
M N	1158
H N	2559
Axial rigidity ca	
L N/μm	51.9
M N/μm	87.9
H N/μm	124
Mass	
m = kg	0.302

## 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