

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7012-EDLR-T-P4S**



Designation	<b>HCB7012-EDLR-T-P4S</b>
Main dimensions	
d	60
D	95
B	18
Basic load ratings	
Dyn. Cr(KN)	38
Stat. Cor( kN)	21.6
Fatigue limit load	
Cur N	1650
Limiting speeds	
nG grease min	19000
nG oil min	28000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.3
SN	9.7
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	67
Da H12	88
ra max.	<b>1</b>
ra1 max.	0.6
Preload force FV	
L N	136
M N	569
H N	1256
Lift-off force KaE	
L N	391
M N	1673
H N	3782
Axial rigidity ca	
L N/μm	126
M N/μm	211
H N/μm	286
Mass	
m = kg	0.326

## 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