

Angular Contact Ball Bearing

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



Designation	HCB7018-EDLR-T-P4S
Main dimensions	
d	90
D	140
B	24
Basic load ratings	
Dyn. Cr(KN)	74
Stat. Cor(kN)	46.5
Fatigue limit load	
Cur N	3300
Limiting speeds	
nG grease min	12000
nG oil min	19000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	100
Da H12	131
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	319
M N	1201
H N	2577
Lift-off force KaE	
L N	916
M N	3528
H N	7745
Axial rigidity ca	
L N/μm	195
M N/μm	316
H N/μm	423
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