

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7013-EDLR-T-P4S**



Designation	HCB7013-EDLR-T-P4S
Main dimensions	
d	65
D	100
B	18
Basic load ratings	
Dyn. Cr(KN)	39
Stat. Cor(kN)	23.1
Fatigue limit load	
Cur N	1760
Limiting speeds	
nG grease min	17000
nG oil min	26000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	10.4
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	72
Da H12	93
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	137
M N	577
H N	1276
Lift-off force KaE	
L N	392
M N	1694
H N	3836
Axial rigidity ca	
L N/μm	131
M N/μm	219
H N/μm	297
Mass	
m = kg	0.344

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