

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7015-EDLR-T-P4S**



Designation	HCB7015-EDLR-T-P4S
Main dimensions	
d	75
D	115
B	20
Basic load ratings	
Dyn. Cr(KN)	49.5
Stat. Cor(kN)	29.5
Fatigue limit load	
Cur N	2260
Limiting speeds	
nG grease min	15000
nG oil min	24000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	11.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	82
Da H12	107
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	192
M N	769
H N	1679
Lift-off force KaE	
L N	551
M N	2260
H N	5050
Axial rigidity ca	
L N/μm	153
M N/μm	253
H N/μm	341
Mass	
m = kg	0.5

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