

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7004-EDLR-T-P4S**



Designation	HCB7004-EDLR-T-P4S
Main dimensions	
d	20
D	42
B	12
Basic load ratings	
Dyn. Cr(KN)	9.8
Stat. Cor(kN)	3.9
Fatigue limit load	
Cur N	295
Limiting speeds	
nG grease min	48000
nG oil min	75000
Dimensions	
r min.	0.6
r1 min.	0.6
BN	2.2
SN	6.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	25
Da H12	37
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	28
M N	140
H N	321
Lift-off force KaE	
L N	80
M N	410
H N	966
Axial rigidity ca	
L N/μm	42
M N/μm	74.7
H N/μm	103
Mass	
m = kg	0.06

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