

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7005-EDLR-T-P4S**



Designation	HCB7005-EDLR-T-P4S
Main dimensions	
d	25
D	47
B	12
Basic load ratings	
Dyn. Cr(KN)	13.1
Stat. Cor(kN)	5.4
Fatigue limit load	
Cur N	410
Limiting speeds	
nG grease min	40000
nG oil min	63000
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	30
Da H12	42
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	40
M N	194
H N	443
Lift-off force KaE	
L N	117
M N	573
H N	1338
Axial rigidity ca	
L N/μm	55.4
M N/μm	96.9
H N/μm	133
Mass	
m = kg	0.064

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