

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7011-EDLR-T-P4S**



Designation	HCB7011-EDLR-T-P4S
Main dimensions	
d	55
D	90
B	18
Basic load ratings	
Dyn. Cr(KN)	37
Stat. Cor(kN)	20.1
Fatigue limit load	
Cur N	1530
Limiting speeds	
nG grease min	20000
nG oil min	30000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.3
SN	9.7
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	62
Da H12	83
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	136
M N	562
H N	1236
Lift-off force KaE	
L N	390
M N	1653
H N	3728
Axial rigidity ca	
L N/μm	121
M N/μm	203
H N/μm	275
Mass	
m = kg	0.302

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