

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HC7019-EDLR-T-P4S**



Designation	HC7019-EDLR-T-P4S
Main dimensions	
d	95
D	145
B	24
Basic load ratings	
Dyn. Cr(KN)	34
Stat. Cor(kN)	25
Fatigue limit load	
Cur N	1730
Limiting speeds	
nG grease min	15000
nG oil min	24000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	105
Da H12	136
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	141
M N	423
H N	845
Lift-off force KaE	
L N	404
M N	1227
H N	2488
Axial rigidity ca	
L N/μm	167
M N/μm	246
H N/μm	317
Mass	
m = kg	1.22

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