

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**HCB7020-EDLR-T-P4S**



Designation	HCB7020-EDLR-T-P4S
Main dimensions	
d	100
D	150
B	24
Basic load ratings	
Dyn. Cr(KN)	79
Stat. Cor(kN)	52
Fatigue limit load	
Cur N	3550
Limiting speeds	
nG grease min	11000
nG oil min	17000
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	110
Da H12	141
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	333
M N	1266
H N	2723
Lift-off force KaE	
L N	957
M N	3715
H N	8170
Axial rigidity ca	
L N/μm	212
M N/μm	343
H N/μm	459
Mass	
m = kg	1.01

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