

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC71910-EDLR-T-P4S**



Designation	XC71910-EDLR-T-P4S
Main dimensions	
d	50
D	72
B	12
Basic load ratings	
Dyn. Cr(KN)	14.3
Stat. Cor(kN)	5.8
Fatigue limit load	
Cur N	445
Limiting speeds	
nG grease min	34000
nG oil min	53000
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	55
Da H12	67.5
ra max.	0.6
ra1 max.	0.15
Preload force FV	
L N	39
M N	116
H N	231
Lift-off force KaE	
L N	110
M N	336
H N	682
Axial rigidity ca	
L N/μm	80.9
M N/μm	119
H N/μm	154
Mass	
m = kg	0.13

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