

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7010-EDLR-T-P4S**



Designation	XC7010-EDLR-T-P4S
Main dimensions	
d	50
D	80
B	16
Basic load ratings	
Dyn. Cr(KN)	18.4
Stat. Cor(kN)	7.4
Fatigue limit load	
Cur N	560
Limiting speeds	
nG grease min	32000
nG oil min	48000
Dimensions	
r min.	1
r1 min.	1
BN	3.4
SN	9.3
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	56
Da H12	74
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	50
M N	149
H N	298
Lift-off force KaE	
L N	143
M N	435
H N	883
Axial rigidity ca	
L N/μm	90
M N/μm	133
H N/μm	172
Mass	
m = kg	0.262

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