

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7011-EDLR-T-P4S**



Designation	XC7011-EDLR-T-P4S
Main dimensions	
d	55
D	90
B	18
Basic load ratings	
Dyn. Cr(KN)	26
Stat. Cor(kN)	10.4
Fatigue limit load	
Cur N	790
Limiting speeds	
nG grease min	28000
nG oil min	43000
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	70
M N	210
H N	421
Lift-off force KaE	
L N	201
M N	613
H N	1244
Axial rigidity ca	
L N/μm	105
M N/μm	155
H N/μm	201
Mass	
m = kg	0.378

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