

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -XC7012-EDLR-T-P4S



Designation	XC7012-EDLR-T-P4S
Main dimensions	
d	60
D	95
B	18
Basic load ratings	
Dyn. Cr(KN)	27
Stat. Cor(kN)	11.3
Fatigue limit load	
Cur N	860
Limiting speeds	
nG grease min	26000
nG oil min	40000
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	67
Da H12	88
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	73
M N	219
H N	438
Lift-off force KaE	
L N	209
M N	638
H N	1294
Axial rigidity ca	
L N/μm	112
M N/μm	165
H N/μm	213
Mass	
m = kg	0.404

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