

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC71911-EDLR-T-P4S**



Designation	XC71911-EDLR-T-P4S
Main dimensions	
d	55
D	80
B	13
Basic load ratings	
Dyn. Cr(KN)	18.8
Stat. Cor(kN)	7.7
Fatigue limit load	
Cur N	590
Limiting speeds	
nG grease min	30000
nG oil min	48000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	60
Da H12	75.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	51
M N	152
H N	304
Lift-off force KaE	
L N	145
M N	442
H N	897
Axial rigidity ca	
L N/μm	92.7
M N/μm	137
H N/μm	177
Mass	
m = kg	0.166

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