

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7006-EDLR-T-P4S**



Designation	XC7006-EDLR-T-P4S
Main dimensions	
d	30
D	55
B	13
Basic load ratings	
Dyn. Cr(KN)	12
Stat. Cor(kN)	3.85
Fatigue limit load	
Cur N	295
Limiting speeds	
nG grease min	48000
nG oil min	75000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	7.2
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	36
Da H12	49
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	33
M N	98
H N	197
Lift-off force KaE	
L N	94
M N	287
H N	583
Axial rigidity ca	
L N/μm	60
M N/μm	88.8
H N/μm	115
Mass	
m = kg	0.118

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