

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC71906-EDLR-T-P4S**



Designation	XC71906-EDLR-T-P4S
Main dimensions	
d	30
D	47
B	9
Basic load ratings	
Dyn. Cr(KN)	8.5
Stat. Cor(kN)	2.85
Fatigue limit load	
Cur N	215
Limiting speeds	
nG grease min	53000
nG oil min	85000
Dimensions	
r min.	0.3
r1 min.	0.3
BN	1.1
SN	5.3
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	34
Da H12	43.5
ra max.	0.3
ra1 max.	0.15
Preload force FV	
L N	24
M N	72
H N	143
Lift-off force KaE	
L N	69
M N	209
H N	425
Axial rigidity ca	
L N/μm	52.5
M N/μm	77.7
H N/μm	101
Mass	
m = kg	0.044

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