

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7008-EDLR-T-P4S**



Designation	XC7008-EDLR-T-P4S
Main dimensions	
d	40
D	68
B	15
Basic load ratings	
Dyn. Cr(KN)	13.7
Stat. Cor(kN)	5.2
Fatigue limit load	
Cur N	395
Limiting speeds	
nG grease min	38000
nG oil min	60000
Dimensions	
r min.	1
r1 min.	1
BN	2.8
SN	8.5
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	46
Da H12	62
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	37
M N	110
H N	221
Lift-off force KaE	
L N	106
M N	321
H N	652
Axial rigidity ca	
L N/μm	74.2
M N/μm	110
H N/μm	142
Mass	
m = kg	0.202

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