

## Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -XC7009-EDLR-T-P4S



Designation	<b>XC7009-EDLR-T-P4S</b>
Main dimensions	
d	45
D	75
B	16
Basic load ratings	
Dyn. Cr(KN)	17.8
Stat. Cor( kN)	6.8
Fatigue limit load	
Cur N	520
Limiting speeds	
nG grease min	34000
nG oil min	53000
Dimensions	
r min.	1
r1 min.	1
BN	3.4
SN	9.3
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	51
Da H12	69
ra max.	1
ra1 max.	0.3
Preload force FV	
L N	48
M N	143
H N	286
Lift-off force KaE	
L N	137
M N	417
H N	848
Axial rigidity ca	
L N/μm	84.4
M N/μm	125
H N/μm	161
Mass	
m = kg	0.248

## 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