

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC7017-EDLR-T-P4S**



Designation	XC7017-EDLR-T-P4S
Main dimensions	
d	85
D	130
B	22
Basic load ratings	
Dyn. Cr(KN)	44.5
Stat. Cor(kN)	20.5
Fatigue limit load	
Cur N	1510
Limiting speeds	
nG grease min	19000
nG oil min	30000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4.7
SN	12.2
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	93
Da H12	122
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	120
M N	359
H N	718
Lift-off force KaE	
L N	343
M N	1042
H N	2115
Axial rigidity ca	
L N/μm	150
M N/μm	221
H N/μm	286
Mass	
m = kg	0.893

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