

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -**XC71914-EDLR-T-P4S**



Designation	XC71914-EDLR-T-P4S
Main dimensions	
d	70
D	100
B	16
Basic load ratings	
Dyn. Cr(KN)	25.5
Stat. Cor(kN)	11.7
Fatigue limit load	
Cur N	890
Limiting speeds	
nG grease min	24000
nG oil min	36000
Dimensions	
r min.	1
r1 min.	1
BN	3.1
SN	9.3
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	76
Da H12	94.5
ra max.	0.6
ra1 max.	0.3
Preload force FV	
L N	69
M N	207
H N	414
Lift-off force KaE	
L N	198
M N	602
H N	1221
Axial rigidity ca	
L N/μm	117
M N/μm	173
H N/μm	223
Mass	
m = kg	0.322

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