

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -XC7015-EDLR-T-P4S



Designation	XC7015-EDLR-T-P4S
Main dimensions	
d	75
D	115
B	20
Basic load ratings	
Dyn. Cr(KN)	36.5
Stat. Cor(kN)	16.2
Fatigue limit load	
Cur N	1240
Limiting speeds	
nG grease min	22000
nG oil min	32000
Dimensions	
r min.	1.1
r1 min.	1.1
BN	4
SN	11.6
SB	1.4
Contact angle	
a °	25
Mounting dimensions	
da h12	82
Da H12	107
ra max.	1
ra1 max.	0.6
Preload force FV	
L N	99
M N	298
H N	597
Lift-off force KaE	
L N	285
M N	868
H N	1761
Axial rigidity ca	
L N/μm	134
M N/μm	197
H N/μm	255
Mass	
m = kg	0.624

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