

Angular Contact Ball Bearing

DLR Design Super precision angular contact ball bearings -XC7020-EDLR-T-P4S



Designation	XC7020-EDLR-T-P4S
Main dimensions	
d	100
D	150
B	24
Basic load ratings	
Dyn. Cr(KN)	53
Stat. Cor(kN)	26
Fatigue limit load	
Cur N	1760
Limiting speeds	
nG grease min	16000
nG oil min	24000
Dimensions	
r min.	1.5
r1 min.	1.5
BN	5.5
SN	14.5
SB	2.2
Contact angle	
a °	25
Mounting dimensions	
da h12	110
Da H12	141
ra max.	1.5
ra1 max.	0.6
Preload force FV	
L N	144
M N	431
H N	863
Lift-off force KaE	
L N	412
M N	1252
H N	2539
Axial rigidity ca	
L N/μm	171
M N/μm	253
H N/μm	326
Mass	
m = kg	1.27

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