

NTN NNU39/800C1NAP4 cylindrical roller bearings

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Size (mm)	22x8x7
Bore Diameter (mm)	22
Outer Diameter (mm)	8
Width (mm)	7
d	8 mm
D	22 mm
B	7 mm
d1	12.1 mm
d2	11.5 mm
D1	17.9 mm
K	0.5 mm
C1	4.25 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	7.1 mm
da – min.	10 mm
db – min.	10 mm
Da – max.	20 mm
Db – max.	20.6 mm
ra – max.	0.3 mm

rb – max.	0.15 mm
dn	13.3 mm
Basic dynamic load rating – C	2.3 kN
Basic static load rating – C0	0.765 kN
Fatigue load limit – Pu	0.032 kN
Limiting speed for grease lubrication	115000 r/min
Limiting speed for oil lubrication	180000 mm/min
Ball – Dw	3.969 mm
Ball – z	8
Gref	0.17 cm ³
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	20 N
Preload class B – GB	60 N
Preload class C – GC	120 N
Calculation factor – f	1.02
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1.01
Preload class A	26 N/micron
Preload class B	38 N/micron
Preload class C	50 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm

da min.	10 mm
db min.	10 mm
Da max.	20 mm
Db max.	20.6 mm
ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	2.29 kN
Basic static load rating C0	0.765 kN
Fatigue load limit Pu	0.032 kN
Attainable speed for grease lubrication	115000 r/min
Attainable speed for oil-air lubrication	180000 r/min
Ball diameter Dw	3.969 mm
Number of balls z	8
Reference grease quantity Gref	0.17 cm ³
Preload class A GA	20 N
Static axial stiffness, preload class A	26 N/μm
Preload class B GB	60 N
Static axial stiffness, preload class B	38 N/μm
Preload class C GC	120 N
Static axial stiffness, preload class C	50 N/μm
Calculation factor f	1.02
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38

Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.011 kg