

# NACHI 239/1000E cylindrical roller bearings

How do I place 320 Outer Diameter (mm) an EMERGENCY order for 440x320x56 Size (mm) a NACHI 239/1000E cylindrical roller bearings that I want to pick up at a our store?

Size (mm)	440x320x56
Bore Diameter (mm)	440
Outer Diameter (mm)	320
Width (mm)	56
d	320 mm
D	440 mm
B	56 mm
d1	357 mm
d2	357 mm
D1	403 mm
r1,2 – min.	3 mm
r3,4 – min.	1.1 mm
a	116.9 mm
da – min.	333 mm
db – min.	333 mm
Da – max.	425 mm
Db – max.	434 mm
ra – max.	2.5 mm
rb – max.	1 mm
dn	367 mm
Basic dynamic load rating – C	351 kN
Basic static load rating – C0	585 kN

Fatigue load limit – Pu	12.9 kN
Limiting speed for grease lubrication	2200 r/min
Limiting speed for oil lubrication	3400 mm/min
Ball – Dw	38.1 mm
Ball – z	27
Gref	282 cm <sup>3</sup>
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	2200 N
Preload class B – GB	4400 N
Preload class C – GC	8800 N
Preload class D – GD	17600 N
Calculation factor – f	1.24
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – f2D	1.14
Calculation factor – fHC	1
Preload class A	683 N/micron
Preload class B	892 N/micron
Preload class C	1183 N/micron
Preload class D	1599 N/micron
r1,2 min.	3 mm
r3,4 min.	1.1 mm
da min.	333 mm

db min.	333 mm
Da max.	425 mm
Db max.	434 mm
ra max.	2.5 mm
rb max.	1 mm
Basic dynamic load rating C	351 kN
Basic static load rating C0	585 kN
Fatigue load limit Pu	12.9 kN
Attainable speed for grease lubrication	2200 r/min
Attainable speed for oil-air lubrication	3400 r/min
Ball diameter Dw	38.1 mm
Number of balls z	27
Reference grease quantity Gref	282 cm <sup>3</sup>
Preload class A GA	2200 N
Static axial stiffness, preload class A	683 N/μm
Preload class B GB	4400 N
Static axial stiffness, preload class B	892 N/μm
Preload class C GC	8800 N
Static axial stiffness, preload class C	1183 N/μm
Preload class D GD	17600 N
Static axial stiffness, preload class D	1599 N/μm
Calculation factor f	1.24
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.08
Calculation factor f2D	1.14
Calculation factor fHC	1
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	24 kg