

# NTN NU2224E cylindrical roller bearings

What are the 68 Bore Diameter (mm) types 68x45x12 Size (mm) of NTN NU2224E cylindrical roller bearings ? Manufacturing Service . Get Your Free, Instant 45 Outer Diameter (mm) price, design review.

Size (mm)	68x45x12
Bore Diameter (mm)	68
Outer Diameter (mm)	45
Width (mm)	12
d	45 mm
D	68 mm
B	12 mm
d1	53.45 mm
d2	52.4 mm
D2	61.8 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	22.1 mm
da – min.	48.2 mm
da – max.	52.9 mm
db – min.	48.2 mm
db – max.	51.8 mm
Da – max.	64.8 mm
Db – max.	66 mm
ra – max.	0.6 mm
rb – max.	0.3 mm

Basic dynamic load rating – C	7 kN
Basic static load rating – C0	5.4 kN
Fatigue load limit – Pu	0.232 kN
Limiting speed for grease lubrication	24000 r/min
Ball – Dw	4.762 mm
Ball – z	27
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	41 N
Preload class B – GB	82 N
Preload class C – GC	245 N
Calculation factor – f	1.08
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.07
Calculation factor – fHC	1
Preload class A	74 N/micron
Preload class B	95 N/micron
Preload class C	143 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
da min.	48.2 mm
da max.	52.9 mm
db min.	48.2 mm
db max.	51.8 mm

Da max.	64.8 mm
Db max.	66 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	9.56 kN
Basic static load rating C <sub>0</sub>	9 kN
Fatigue load limit P <sub>u</sub>	0.232 kN
Attainable speed for grease lubrication	24000 r/min
Ball diameter D <sub>w</sub>	4.762 mm
Number of balls z	27
Preload class A GA	41 N
Static axial stiffness, preload class A	74 N/μm
Preload class B GB	82 N
Static axial stiffness, preload class B	95 N/μm
Preload class C GC	245 N
Static axial stiffness, preload class C	143 N/μm
Calculation factor f	1.08
Calculation factor f <sub>1</sub>	0.99
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.02
Calculation factor f <sub>2C</sub>	1.07
Calculation factor f <sub>HC</sub>	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y <sub>2</sub>	0.87
Calculation factor (single, tandem) Y <sub>0</sub>	0.38
Calculation factor (single, tandem) X <sub>2</sub>	0.41
Calculation factor (back-to-back, face-to-face) Y <sub>1</sub>	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	0.14 kg