

# NSK NN3020MB cylindrical roller bearings

What are the types of NSK NN3020MB cylindrical roller bearings ? Manufacturing Service . Get 170 Bore Diameter (mm) Your Free, Instant price, design review. 170x110x28 Size (mm)

Size (mm)	170x110x28
Bore Diameter (mm)	170
Outer Diameter (mm)	110
Width (mm)	28
d	110 mm
D	170 mm
B	28 mm
d1	132.38 mm
d2	129.2 mm
D1	147.61 mm
r1,2 – min.	2 mm
r3,4 – min.	1 mm
a	46.9 mm
da – min.	118.8 mm
db – min.	118.8 mm
Da – max.	161.2 mm
Db – max.	164.4 mm
ra – max.	2 mm
rb – max.	1 mm
dn	135.4 mm
Basic dynamic load rating – C	44.9 kN
Basic static load rating – C0	42.5 kN

Fatigue load limit – Pu	1.5 kN
Limiting speed for grease lubrication	11500 r/min
Limiting speed for oil lubrication	17500 mm/min
Ball – Dw	12.7 mm
Ball – z	30
Gref	23 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	400 N
Preload class B – GB	1210 N
Preload class C – GC	2420 N
Calculation factor – f	1.1
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	263 N/micron
Preload class B	395 N/micron
Preload class C	518 N/micron
r1,2 min.	2 mm
r3,4 min.	1 mm
da min.	118.8 mm
db min.	118.8 mm
Da max.	161.2 mm
Db max.	164.4 mm

ra max.	2 mm
rb max.	1 mm
Basic dynamic load rating C	44.9 kN
Basic static load rating C0	42.5 kN
Fatigue load limit Pu	1.53 kN
Attainable speed for grease lubrication	11500 r/min
Attainable speed for oil-air lubrication	17500 r/min
Ball diameter Dw	12.7 mm
Number of balls z	30
Reference grease quantity Gref	23 cm <sup>3</sup>
Preload class A GA	400 N
Static axial stiffness, preload class A	263 N/μm
Preload class B GB	1210 N
Static axial stiffness, preload class B	395 N/μm
Preload class C GC	2420 N
Static axial stiffness, preload class C	518 N/μm
Calculation factor f	1.1
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	1.93 kg