NTN K30×38×18 needle roller bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all your NTN K30×38×18 needle roller bearings needs 35 Bore Diameter (mm) – including routine maintenance, major repairs, warranty service, and 35x17x10 Size (mm) equipment inspections.

Size (mm)	35x17x10
Bore Diameter (mm)	35
Outer Diameter (mm)	17
Width (mm)	10
d	17 mm
D	35 mm
B	10 mm
d1	22.6 mm
d2	22.6 mm
D1	29.3 mm
K	0.5 mm
C1	6.05 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.2 mm
a	11.2 mm
da – min.	19 mm
db – min.	19 mm
Da – max.	33 mm
Db – max.	33.6 mm
ra – max.	0.3 mm

rb – max.	0.2 mm
dn	23.7 mm
Basic dynamic load rating – C	6.5 kN
Basic static load rating – C0	3.1 kN
Fatigue load limit – Pu	0.132 kN
Limiting speed for grease lubrication	45000 r/min
Limiting speed for oil lubrication	70000 mm/min
Ball – Dw	5.556 mm
Ball – z	12
Gref	0.54 cm3
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	40 N
Preload class B – GB	80 N
Preload class C – GC	160 N
Preload class D – GD	320 N
Calculation factor – f	1.04
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1
Preload class A	48 N/micron
Preload class B	62 N/micron
Preload class C	81 N/micron

Preload class D	107 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.2 mm
da min.	19 mm
db min.	19 mm
Da max.	33 mm
Db max.	33.6 mm
ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	6.5 kN
Basic static load rating C0	3.1 kN
Fatigue load limit Pu	0.132 kN
Attainable speed for grease lubrication	45000 r/min
Attainable speed for oil-air lubrication	70000 r/min
Ball diameter Dw	5.556 mm
Number of balls z	12
Reference grease quantity Gref	0.54 cm^3
Preload class A GA	40 N
Static axial stiffness, preload class A	48 N/µm
Preload class B GB	80 N
Static axial stiffness, preload class B	62 N/µm
Preload class C GC	160 N
Static axial stiffness, preload class C	81 N/µm
Preload class D GD	320 N
Static axial stiffness, preload class D	107 N/µm
Calculation factor f	1.04
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02

Calculation factor f2C	1.05
Calculation factor f2D	1.08
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	0.038 kg