ISO NN4836 K cylindrical roller bearings

What is ISO NN4836 K cylindrical roller bearings in mechanical engineering? Manufacturing Service . Upload your 80x125x22 Size (mm) CAD file for an instant.

Size (mm)	80x125x22
Bore Diameter (mm)	80
Outer Diameter (mm)	125
Width (mm)	22
d	80 mm
D	125 mm
B	22 mm
d1	96.7 mm
d2	94.3 mm
D2	111.4 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	35.1 mm
da – min.	86 mm
db – min.	86 mm
Da – max.	119 mm
Db – max.	121.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	98 mm
Basic dynamic load rating – C	25.1 kN
Basic static load rating – C0	21.6 kN

Fatigue load limit – Pu	0.9 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	19000 mm/min
Ball – Dw	9.525 mm
Ball – z	27
Gref	10.49 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	150 N
Preload class B – GB	300 N
Preload class C – GC	900 N
Calculation factor – f	1.07
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.01
Calculation factor – f2C	1.04
Calculation factor – fHC	1
Preload class A	144 N/micron
Preload class B	182 N/micron
Preload class C	276 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	86 mm
db min.	86 mm
Da max.	119 mm
Db max.	121.8 mm

ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	30.2 kN
Basic static load rating C0	32.5 kN
Fatigue load limit Pu	0.9 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter Dw	9.525 mm
Number of balls z	27
Reference grease quantity Gref	10.49 cm^3
Preload class A GA	150 N
Static axial stiffness, preload class A	144 N/µm
Preload class B GB	300 N
Static axial stiffness, preload class B	182 N/µm
Preload class C GC	900 N
Static axial stiffness, preload class C	276 N/µm
Calculation factor f	1.07
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.01
Calculation factor f2C	1.04
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	0.92 kg