

# KOYO BM2824 needle roller bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all your KOYO BM2824 needle roller bearings needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

Size (mm)	76.2×121.442×24.608
Bore Diameter (mm)	76,2
Outer Diameter (mm)	121,442
Width (mm)	24,608
d	76,2 mm
D	121,442 mm
T	24,608 mm
B	23,012 mm
C	17,462 mm
ra1 max.	2 mm
a –	1,2 mm
Da	110 mm
db	83 mm
ra max.	2 mm
da	86 mm
Db	116 mm
Weight	0,982 Kg
Basic dynamic load rating (C)	91 kN
Basic static load rating (C0)	127 kN
(Grease) Lubrication Speed	2 900 r/min

(Oil) Lubrication Speed	3 800 r/min
Calculation factor (e)	0,45
Calculation factor (Y0)	0,73
d1	98.5 mm
a	25.81 mm
e	0.45
Y2	1.33
Y0	0.73
Mass	0.98 kg
Dynamic load, C	91 kN
Rating life coefficient, A2	1.4
Static load, C0	127 kN
Fatigue limit load, Cu	15.5 kN
Nlim (oil)	3,800 rpm
Nlim (grease)	2,900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.37 Hz
Characteristic outer ring frequency, BPF0	10.79 Hz
Characteristic inner ring frequency, BRFI	13.21 Hz
ra max	2 mm
rla max	2 mm
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.004
Product Group	B04334