

# NACHI E5030 cylindrical roller bearings

Our highly-skilled and factory-trained service experts have the resources to help you with 82.55×168.275×53.975 Size (mm) all your NACHI E5030 cylindrical roller bearings needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

Size (mm)	82.55×168.275×53.975
Bore Diameter (mm)	82,55
Outer Diameter (mm)	168,275
Width (mm)	53,975
d	82,55 mm
D	168,275 mm
T	53,975 mm
B	56,363 mm
C	41,275 mm
ra1 max.	3,3 mm
a	18,5 mm
Da	149 mm
db	94 mm
ra max.	3,5 mm
da	101 mm
Db	155 mm
Weight	5,46 Kg
Basic dynamic load rating (C)	340 kN
Basic static load rating (C0)	460 kN
(Grease) Lubrication Speed	2 200 r/min

(Oil) Lubrication Speed	3 000 r/min
Calculation factor (e)	0,3
Calculation factor (Y0)	1,1
d1	123 mm
e	0.3
Y2	2
Y0	1.1
Mass	5.46 kg
Dynamic load, C	340 kN
Rating life coefficient, A2	1.4
Static load, C0	460 kN
Fatigue limit load, Cu	52.3 kN
Nlim (oil)	3,000 rpm
Nlim (grease)	2,200 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.94 Hz
Characteristic outer ring frequency, BPF0	6.71 Hz
Characteristic inner ring frequency, BPI	9.29 Hz
ra max	3.5 mm
r1a max	3.3 mm