

# INA K75X83X35-ZW needle roller bearings

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d	110 mm
D	180 mm
B	56 mm
D1	160.9 mm
rs min	2 mm
Number of lubrication holes	3
b	8.9 mm
k	4 mm
e	0.28
Y1	2.43
Y2	3.61
Y0	2.37
Radial clearance class	C3
Mass	5.51 kg
Dynamic load, C	547 kN
Static load, C0	669 kN
Fatigue limit load, Cu	51.9 kN
Nref	3,000 rpm
Nlim	3,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C

Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.5 Hz
Characteristic outer ring frequency, BPF0	9.15 Hz
Characteristic inner ring frequency, BPFI	11.85 Hz
da min	121 mm
Da max	169 mm
ra max	2 mm