



Technical datasheet

K90X97X20

Needle roller and cage assemblies

Needle roller bearing, cage assembly, steel cage

Visual(s)



Product definition	
Fw	90 mm
Ew	97 mm
Bc	20 mm
Dw	3.5 mm
Lw	15.8 mm
Mass	0.1 kg
Brand	NTN

Product performance	
Cr	46 kN
C0r	113 kN
Nlim (grease)	2,900 rpm
Nlim (oil)	4,400 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.48 Hz
Characteristic rolling element frequency, BSF	26.68 Hz
Characteristic outer ring frequency, BPF0	24.06 Hz
Characteristic inner ring frequency, BPF1	25.94 Hz

Abutment dimensions	
b	20 mm