

# INA F-88312 needle roller bearings

INA F-88312 needle roller bearings, Units and 130x200x33 Size (mm) Housings CAD models , Manufacturing Service . Get Your Free.

Size (mm)	130x200x33
Bore Diameter (mm)	130
Outer Diameter (mm)	200
Width (mm)	33
d	130 mm
D	200 mm
B	33 mm
C	33 mm
Angle ( $\alpha$ )	20 °
d1	152.6 mm
D1	177.42 mm
D2	188.11 mm
a	55 mm
Contact angle $\alpha$	25 °
rs min	2 mm
r1s min	1 mm
f0	16.08
Precision class	P4
Mass	3.18 kg
Dynamic load, C	122 kN
Static load, C0	130 kN
Fatigue limit load, Cu	5.7 kN

Nlim (oil)	9,700 rpm
Nlim (grease)	6,400 rpm
Axial displacement K Factor	0.4
Preload level	7
Preload value	1.48 kN
Axial rigidity	408 N/ $\mu$ m
Radial rigidity	861 N/ $\mu$ m
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.89 Hz
Characteristic outer ring frequency, BPF0	9.31 Hz
Characteristic inner ring frequency, BRFI	11.69 Hz
da min	140 mm
db min	140 mm
Da max	190 mm
Db max	190 mm
r1a max	1 mm
ra max	2 mm
D6	158 mm