

# Timken 3977X/3920 tapered roller bearings

Timken 3977X/3920 tapered roller bearings Engineering Calculator 35 mm B , 70 mm d Manufacturing Service . Get Your Free.

d	70 mm
D	150 mm
B	35 mm
rs min	2.1 mm
Radial clearance class	CN
Mass	2.52 kg
Dynamic load, C	104 kN
Static load, C <sub>0</sub>	68 kN
Fatigue limit load, C <sub>u</sub>	2.95 kN
f <sub>0</sub>	13.2
N <sub>lim</sub> (grease)	4,600 rpm
Min operating temperature, T <sub>min</sub>	-20 °C
Max operating temperature, T <sub>max</sub>	120 °C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4.1 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	3.08 Hz
Characteristic inner ring frequency, BPF <sub>I</sub>	4.92 Hz
da min	81 mm
Da max	139 mm
ra max	2 mm