

# NSK FWF-384313 needle roller bearings

NSK FWF-384313 needle roller bearings with 20 mm d easy-to-use parts graphics, giving you the ability to check parts availability, pricing, examine remanufactured options.

d	20 mm
D	37 mm
B	9 mm
d1	25.1 mm
d2	23.9 mm
D1	32.15 mm
D2	33.45 mm
a	9 mm
Contact angle $\alpha$	17 °
rs min	0.3 mm
r1s min	0.3 mm
f0	7.88
Precision class	P4S
Mass	0.04 kg
Dynamic load, C	3.85 kN
Static load, C0	1.9 kN
Fatigue limit load, Cu	0.11 kN
Nlim (grease)	56,000 rpm
Axial displacement K Factor	1.77
Preload level	8
Preload value	0.06 kN
Axial rigidity	33 N/ $\mu$ m

Radial rigidity	153 N/ $\mu$ m
Min operating temperature, T <sub>min</sub>	-20 °C
Max operating temperature, T <sub>max</sub>	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	6.91 Hz
Characteristic inner ring frequency, BRFI	9.09 Hz
d <sub>a min</sub>	22.5 mm
d <sub>b min</sub>	22.5 mm
D <sub>a max</sub>	34.5 mm
D <sub>b max</sub>	34.5 mm
r <sub>1a max</sub>	0.3 mm
r <sub>a max</sub>	0.3 mm
D <sub>6</sub>	26.6 mm