

# INA KBK 9x13x12,5 needle roller bearings

INA KBK 9x13x12,5 needle roller bearings Engineering 17 mm d Calculator 7 mm B , Manufacturing Service . Get Your Free.

d	17 mm
D	30 mm
B	7 mm
d1	21 mm
D1	26.6 mm
D2	28.22 mm
a	7 mm
Contact angle $\alpha$	15 °
rs min	0.3 mm
r1s min	0.3 mm
f $\theta$	12.71
Precision class	P4
Mass	0.02 kg
Dynamic load, C	4.7 kN
Static load, C $\theta$	2.7 kN
Fatigue limit load, C $u$	0.16 kN
Nlim (oil)	74,000 rpm
Nlim (grease)	49,000 rpm
Axial displacement K Factor	2.12
Preload level	7
Preload value	0.025 kN
Axial rigidity	20 N/ $\mu$ m
Radial rigidity	117 N/ $\mu$ m

Min operating temperature, T <sub>min</sub>	-30 °C
Max operating temperature, T <sub>max</sub>	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.84 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	5.87 Hz
Characteristic inner ring frequency, BPF <sub>I</sub>	8.13 Hz
d <sub>a min</sub>	19.5 mm
d <sub>b min</sub>	19.5 mm
D <sub>a max</sub>	27.5 mm
D <sub>b max</sub>	27.5 mm
r <sub>1a max</sub>	0.3 mm
r <sub>a max</sub>	0.3 mm
D <sub>6</sub>	22.5 mm