

# KOYO K25X37X20H needle roller bearings

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d	110 mm
D	200 mm
B	69.8 mm
d2	130.2 mm
D1	175.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	10.5 mm
k	5 mm
e	0.32
Y1	2.12
Y2	3.15
Y0	2.07
Radial clearance class	C3
Mass	9.39 kg
Dynamic load, C	752 kN
Static load, C0	869 kN
Fatigue limit load, Cu	63.9 kN
Nref	2,300 rpm
Nlim	3,000 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.42 Hz

Characteristic rolling element frequency, BSF	6.25 Hz
Characteristic outer ring frequency, BPF0	7.62 Hz
Characteristic inner ring frequency, BRFI	10.38 Hz
da min	122 mm
Da max	188 mm
ra max	2 mm