

# Loyal RB40035 crossed roller bearings

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d	220 mm
D	370 mm
B	120 mm
D1	327.9 mm
rs min	4 mm
Number of lubrication holes	3
b	19.1 mm
k	9 mm
e	0.3
Y1	2.28
Y2	3.39
Y0	2.23
Radial clearance class	CN
Mass	52.21 kg
Dynamic load, C	2,190 kN
Static load, C0	2,940 kN
Fatigue limit load, Cu	185 kN
Nref	1,200 rpm
Nlim	1,700 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.16 Hz

Characteristic outer ring frequency, BPF0	9.09 Hz
Characteristic inner ring frequency, BRFI	11.91 Hz
da min	237 mm
Da max	353 mm
ra max	3 mm