

# AST AST090 130100 plain bearings

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|   |           |
|---|-----------|
| d   | 70 mm     |
| D   | 110 mm    |
| B   | 20 mm     |
| rs min  | 1.1 mm    |
| Radial clearance class                        | CM        |
| Mass  | 0.6 kg    |
| Dynamic load, C                               | 38 kN     |
| Static load, C0                               | 31 kN     |
| Fatigue limit load, Cu                        | 1.41 kN   |
| f0  | 15.6      |
| Nlim (oil)                                    | 7,100 rpm |
| Nlim (grease)                                 | 6,100 rpm |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 120 °C    |
| Characteristic cage frequency, FTF            | 0.43 Hz   |
| Characteristic rolling element frequency, BSF | 7.43 Hz   |
| Characteristic outer ring frequency, BPF0     | 6.07 Hz   |
| Characteristic inner ring frequency, BPF1     | 7.93 Hz   |
| da min  | 76.5 mm   |
| Da max  | 103 mm    |
| ra max  | 1 mm      |