



## NTN-SNR BEARING RULMENTI S.R.L.

17 mm x 40 mm x 12 mm SNR 7203B Single row  
or matched pairs of angular contact ball bearings

Bearing No. 7203B

|  |            |
|--|------------|
| d  | 17 mm      |
| D  | 40 mm      |
| B  | 12 mm      |
| d1   | 26.3 mm    |
| d2   | 22.1 mm    |
| D1   | 31 mm      |
| D2   | 35.6 mm    |
| a  | 18 mm      |
| Contact angle                                    | 40 °       |
| rs min   | 0.6 mm     |
| r1s min  | 0.6 mm     |
| Mass   | 0.06 kg    |
| Dynamic load, C                                  | 9.9 kN     |
| Static load, C0                                  | 5.5 kN     |
| Fatigue limit load, Cu                           | 0.25 kN    |
| Nref   | 18,000 rpm |
| Nlim   | 21,000 rpm |
| Min operating temperature,<br>Tmin               | -40 ° C    |
| Max operating temperature,<br>Tmax               | 120 ° C    |
| Characteristic cage<br>frequency, FTF            | 0.41 Hz    |
| Characteristic rolling<br>element frequency, BSF | 4.08 Hz    |
| Characteristic outer ring<br>frequency, BPF0     | 4.5 Hz     |

7203B Bearing 2D drawings and 3D CAD models



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|   |         |
|---|---------|
| Characteristic inner ring frequency, BPFI | 6.5 Hz  |
| da min                                    | 21.5 mm |
| db min                                    | 21.5 mm |
| Da max                                    | 35.5 mm |
| Db max                                    | 35.5 mm |
| r1a max                                   | 0.6 mm  |
| ra max                                    | 0.6 mm  |