

# Timken SMN201KB deep groove ball bearings

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|                           |         |
|---------------------------|---------|
| D                         | 62 mm   |
| d1                        | 24 mm   |
| C                         | 29 mm   |
| F                         | 30 mm   |
| B                         | 30.5 mm |
| B1                        | 80 mm   |
| B2                        | 49.5 mm |
| G                         | M24X1.5 |
| G1                        | 25 mm   |
| B3                        | 11 mm   |
| C1                        | 0.8 mm  |
| n                         | 8 mm    |
| a                         | 4 mm    |
| e                         | 44 mm   |
| h                         | 8 mm    |
| R                         | 500 mm  |
| Dw                        | 2.48 mm |
| Lw                        | 23.8 mm |
| Maximum tightening torque | 178 Nm  |
| Bearing with/without cage | Sans    |
| Radial clearance class    | CN      |
| Precision class           | P0      |
| Mass                      | 0.8 kg  |

|                                                       |           |
|-------------------------------------------------------|-----------|
| Cr                                                    | 39.5 kN   |
| C <sub>0r</sub>                                       | 98.5 kN   |
| Track load capacity spherical outer ring              | 6.95 kN   |
| N <sub>lim</sub> (grease)                             | 3,300 rpm |
| Min operating temperature, T <sub>min</sub>           | -20 °C    |
| Max operating temperature, T <sub>max</sub>           | 120 °C    |
| Characteristic cage frequency, FTF                    | 0.46 Hz   |
| Characteristic rolling element frequency, BSF         | 13.02 Hz  |
| Characteristic outer ring frequency, BPF <sub>0</sub> | 18.94 Hz  |
| Characteristic inner ring frequency, BPF <sub>I</sub> | 22.06 Hz  |