

150:1 micro metal gearmotor MP 6V

Pololu · MPN 2361 · category: motor

Canonical record: <https://partsgraph.ai/catalog/parts/pololu-n20-150-mp6v>

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ELECTRICAL

No-load current @6V: **100 mA** · vendor page
Stall current (extrapolated): **1.6 A** · vendor page
Recommended operating current (% of stall): **25 %** · vendor page
Motor type: **brushed DC** · vendor page
Terminal width (precious-metal-brush versions): **1.5 mm** · vendor page
Terminal spacing (precious-metal-brush versions): **7 mm** · vendor page

PERFORMANCE

Stall torque (extrapolated): **1.3 kg·cm** · vendor page
Max power @6V (W): **0.48** · vendor page
Recommended instantaneous torque limit: **2 kg·cm** · vendor page
Gearbox rated load: **20 kg·mm** · vendor page

INTERFACE

Integrated encoder: **No** · vendor page

MECHANICAL

Output shaft diameter: **3 mm** · vendor page
Output shaft length: **9 mm** · vendor page
Gearbox cross section: **10x12 mm** · vendor page
Brush type (MP 6V): **precious metal brushes** · vendor page
Gear material: **nitride-hardened martensitic stainless steel** · vendor page
Gearbox plate material: **brass plates** · vendor page
Form factor: **N20** · vendor page
Output shaft profile: **D-shaped** · vendor page

GENERAL

Gear ratio: **150:1** · vendor page
Nominal voltage: **6 V** · vendor page
No-load speed @6V: **410 RPM** · vendor page

INDICATIVE PRICES

Pololu: \$23.95 USD · as of 2026-08-22 · <https://www.pololu.com/product/2361>

Prices are indicative and dated, captured only from vendors' machine-stated markup. Availability is never claimed.

SOURCES — THE AUTHORITATIVE DOCUMENTS

Micro metal gearmotor product page: <https://www.pololu.com/product/2361>
Pololu product page: <https://www.pololu.com/product/2361>