GCN-MEP
Gas-Actuated Concrete Nailer
Gas-Actuated Concrete Nailer

GCN-MEP / GCN-MEPMAG Gas-Actuated Concrete Nailer

The GCN-MEP gas-actuated concrete nailer is a portable fastener tool for attaching light-duty fixtures to concrete, steel, concrete block (CMU), lightweight concrete over metal deck, and cold-formed steel. As a magazine tool, the GCN-MEPMAG is ideal for attaching drywall track, furring strips, hat track and angle track with the GDP-series collated pins. As a single-shot tool, the GCN-MEP is great for attaching mechanical, electrical and plumbing fixtures with pre-assembled pins/accessories such as washer pins, ceiling clips, top hats and threaded studs. The preassembled pins for the single-shot GCN-MEP tool use 0.300” fasteners with 0.125” diameter shanks for stronger fastening performance. Both the single-shot and the magazine tool offer portability without the need for cords or hoses, and are actuated with GFC34 gas fuel cells.

Features
- Power to drive 0.125”-diameter pins
- Flexibility to drive ½” to 1½” pins
- Flexibility to drive 0.250”- and 0.300”-diameter-headed pins
- Pin-depth adjustment dial
- Battery charge indicator light
- Comfortable “sure-grip” rubber handle and ladder hook
- Easy start-up procedure: Insert fuel cell, insert battery, load pins and begin use
- FREE tool first-aid repair program (see back cover)

Specifications
- Tool dimensions:
  - Length: 12.5” (317.5 mm), 17” (432.8 mm)
  - Tool weight: 6.6 lb. (3 kg), 8.3 lb. (3.7 kg) with magazine
  - Height: 15.3” (389 mm)
- Tool weight: 8.3 lb. (3.7 kg)
- Compatible fasteners:
  - Length: ½” (12.7 mm) to 1½” (38 mm)
  - Head diameter: 0.250” and 0.300”
  - Shank diameter: 0.106” to 0.125”
- Average number of shots per battery charge: 3,300
- Average number of shots per fuel cell: 1,200
- Average cyclic firing rate: 2 shots/second
- Average battery charge time (6V NiMH): 2 hours
- Operation temperature range: 20°–120°F (–6°–49°C)
- Magazine capacity: 42
- Maximum fastenings before reloading: 40

The magazine is designed to retain two pins during use to prevent the tool from discharging without a fastener (which can damage the tool and possibly cause injury). The tool will resume normal operation when additional pins are loaded.

Minimum Cleaning Required
The GCN-MEP has a very efficient ignition system that provides complete fuel combustion. This results in a cleaner operating tool, which, in turn, results in more tool energy and higher productivity. To maintain maximum level of productivity, periodic cleaning is recommended.
- Only requires cleaning every 20,000 shots
- Easy access to the air filter and piston chamber

The GCN-MEP Gas-Actuated Concrete Nailer Is Ideal for Fastening:
- Conduit clips
- Ceiling clips
- Low-voltage cable
- Cable straps
- Lath wire for stucco
- Water-proofing membrane

GCN-MEPK or GCN-MEPMAGKT
(with magazine)

MEP-MAG1KT
sold separately

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Gas-Actuated Concrete Nailer
Fasteners and Fuel

GCN-MEP Gas-Actuated Pins and Assemblies for Mechanical, Electrical and Plumbing (MEP) Applications

New, preassembled MEP fasteners are available for use with the GCN-MEP gas-acted concrete nailer designed for high-volume applications such as affixing conduit clips, rod hangers and cable ties. With the 0.300” heads, these versatile pins and assemblies can also be used with common powder-acted tools from fastening into harder substrates (structural steel or extra-hard concrete).

**Code/Standards:** ICC-ES ESR-2811 (GRH, GAC, GW and GTH series)

### Mechanical, Electrical and Plumbing Pins
All single-shot pins are 0.125” in diameter and 1” in length unless specified.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Pack Qty.</th>
<th>Compatible Gas-Actuated Nailer</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRH25-R100</td>
<td>1/4” rod hanger with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GRH37-R100</td>
<td>3/8” rod hanger with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCC50-R100</td>
<td>1/4” conduit clip with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCC75-R100</td>
<td>3/4” conduit clip with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCC100-R100</td>
<td>1” conduit clip with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCC125-R50</td>
<td>1” conduit clip (13 ga. steel) with pin</td>
<td>50</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCL50-R50</td>
<td>1/2” conduit clamp with pin</td>
<td>50</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCL75-R25</td>
<td>3/4” conduit clamp with pin</td>
<td>25</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GAC-R100</td>
<td>Angle clip with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GCT-R50</td>
<td>Tie-strap holder with pin</td>
<td>50</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GW50-R200</td>
<td>1/2” dome washer with 0.110” x 0.128” dia. x 1/2” length step-shank pin</td>
<td>200</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GW75-R200</td>
<td>1/4” dome washer w/ 0.125” dia. x 3/4” length pin</td>
<td>200</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GW100-R100</td>
<td>1/2” dome washer with pin</td>
<td>100</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GTS4-5075-R200</td>
<td>1/4” threaded stud (1/4-20 thread), 1/2” thread length, 3/4” shank length (0.127” dia.)</td>
<td>200</td>
<td>GCN-MEP, T3</td>
</tr>
<tr>
<td>GTH-R200</td>
<td>Top Hat Pin</td>
<td>200</td>
<td>GCN-MEP, T3</td>
</tr>
</tbody>
</table>

### Fuel Cell
The GFC34 fuel cell is designed to operate with the GCN-MEP gas-actuated concrete nailer and also works with most major-brand gas-actuated concrete-nailer tools. Each GFC34 provides an average of 1,200 shots and can operate at temperatures as low as 20°F and altitudes up to 8,000’. The GFC34 are offered in a two-per-pack clamshell (GFC34-RC2). One GFC34 is included with each pack of GDP pins.

### Gas Fuel Cells for the GCN-MEP

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Pack Qty.</th>
<th>Packs/ Carton</th>
<th>Compatible with These Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFC34-RC2</td>
<td>(2) 34-gram fuel cells</td>
<td>2</td>
<td>6</td>
<td>Simpson Strong-Tie GCN-MEP and GCN-150 Others: TF1100, C3, C4</td>
</tr>
<tr>
<td>GFC34</td>
<td>(1) 34-gram fuel cell</td>
<td>1</td>
<td>12</td>
<td>Simpson Strong-Tie GCN-MEP and GCN-150 Others: TF1100, C3, C4</td>
</tr>
</tbody>
</table>
Gas-Actuated Concrete Nailer

Kits and Accessories

GCN-MEPKT

GCN-MEP Gas-Actuated Concrete Nailer Kit

A GCN-MEP can be purchased as part of a larger kit. This kit includes:

- GCN-MEP nailer
- 2 batteries
- Battery charger
- Allen wrenches
- Safety glasses
- Operator’s manual/tool schematic
- Rugged tool box

GCN-MEPMAGKT

Gas-Actuated Concrete Nailer and Magazine Kit:

- GCN-MEP nailer
- MEP-MAG magazine
- 2 batteries
- Battery charger
- Allen wrenches
- Safety glasses
- Operator’s manual/tool schematic
- Rugged tool box

Extension Pole Kit

PETG 6KT

Complete tool, with boot, handle and one extension

PETG 8KT

Complete tool, with boot, handle and two extensions

PETH2

Handle

PETG

Boot

N/A

PETS2

Pole extension

2'

PETS4

Pole extension

4'

GDP Collated Pins (requires MEP-MAG1KT)  

Code/Standards: ICC-ES ESR-2811

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Qty Pins/Pack +1 Fuel Cell</th>
<th>Compatible Gas-Actuated Nailers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP-50KT</td>
<td>0.106” dia. x ½” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDP-62KT</td>
<td>0.106” dia. x ¾” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDP-75KT</td>
<td>0.106” dia. x ¾” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDP-100KT</td>
<td>0.106” dia. x 1” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDP-125KT</td>
<td>0.106” dia. x 1¼” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDP-150KT</td>
<td>0.106” dia. x 1½” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
</tbody>
</table>

GDP Collated Step-Shank Pins (requires MEP-MAG1KT)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Qty Pins/Pack +1 Fuel Cell</th>
<th>Compatible Gas-Actuated Nailers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDPSS-50KT</td>
<td>1.09”/1.11” dia. x ½” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDPSS-62KT</td>
<td>1.09”/1.11” dia. x ¾” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
<tr>
<td>GDPSS-75KT</td>
<td>1.09”/1.11” dia. x ¾” pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
</tbody>
</table>

GDP Collated Spiral-Knurled Pins (requires MEP-MAG1KT)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Qty Pins/Pack +1 Fuel Cell</th>
<th>Compatible Gas-Actuated Nailers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDPSSK-138KT</td>
<td>0.110” dia. x 1¾” spiral-knurled pin</td>
<td>1,000</td>
<td>GCN150, GCN-MEP, TF1100, C3</td>
</tr>
</tbody>
</table>

For load and technical data, see the Anchoring, Fastening and Restoration Systems for Concrete and Masonry catalog or visit strongtie.com.

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Simpson Strong-Tie offers a full line of anchors, adhesives, PAT and drill bits for all your anchoring and fastening applications.

This flier is effective until June 30, 2020, and reflects information available as of February 1, 2018. This information is updated periodically and should not be relied upon after June 30, 2020. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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