MDX™ Series

Quick Specs

<table>
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<tr>
<th>Industrial Applications</th>
<th>Processes</th>
<th>Rated Output</th>
<th>Duty Cycle</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto body</td>
<td>MIG (GMAW)</td>
<td>MDX-100: 100 A, MDX-250: 250 A</td>
<td>100% with CO2 gas, 60% with mixed gas</td>
<td>2.9 – 7.6 lb. (1.3 – 3.4 kg)</td>
</tr>
<tr>
<td>Fabrication</td>
<td>Pulsed MIG (GMAW-P)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hobby</td>
<td>Flux-cored (FCAW)</td>
<td></td>
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<td></td>
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<tr>
<td>Maintenance and repair</td>
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</tbody>
</table>

The best welding gun is the one you never have to think about because it’s comfortable, it’s durable and it gets the job done. MDX Series MIG guns have been designed to be exactly that. The new ergonomic handle features overmolding for improved grip and a rear swivel strain relief for reduced welder fatigue. The gun’s AccuLock™ consumables with dual-locked, front-loading liner ensures smooth, consistent wire-feeding for reliable operation.

AccuLock MDX Series consumables are available on MDX-100 and MDX-250 MIG guns. AccuLock S Series consumables are only available on MDX-250 MIG guns.

Warranted for 90 days, parts only.
MDX™ Series Benefits

Superior AccuLock wire-feeding
The front-loading liner is centered and locked at both ends of the gun (without the use of set screws) to ensure smooth wire delivery to the contact tip. Plus, error-proof liner trimming ensures accurate replacement every time for reduced burnbacks, bird-nests and erratic arc/wire chatter — no measuring required!

Durable, ergonomic handle
Durable handle features rubber overmolding for improved grip and rear swivel to reduce welder fatigue.

Long-life consumables
Tapered mating surfaces between the AccuLock contact tip and gas diffuser lock tips in place for maximized electrical conductivity and long tip life.

Pulse welding capable
(MDX-250/MDX-250 EZ-Select only)
Increased copper in gun cable ensures reliable performance with CV and pulse waveforms.

Trigger program select
(MDX-250 EZ-Select only)
Conveniently select from up to four weld programs by tapping the MIG gun trigger rather than wasting time walking back to the machine. To help avoid errors, LED lights on the handle indicate the current program selection.

AccuLock™ Consumables

AccuLock consumables for MDX Series
MIG guns consist of two series:

AccuLock MDX Series:
Designed to maximize wire feedability and simplify consumables replacement.

AccuLock S Series
(MDX-250/MDX-250 EZ-Select only):
Upgrade to S Series consumables for increased durability and longer life when guns are used in more industrial applications. Upgrading also allows you to simplify your consumables inventory if you are using a mix of Miller and Bernard MIG guns in your shop.

Front-loading AccuLock liner locks at front and back of gun to align with contact tip and power pin for a flawless wire-feed path (AccuLock S Series consumables shown)

Liner lock self-aligns to back of contact tip when gas diffuser is tightened

Threaded nozzle stays tight during use/cleaning due to the steel retaining ring on the diffuser

Threaded nozzle stays tight during use/cleaning due to the steel retaining ring on the diffuser

Contact tip tail is cooled by shielding gas

Coarse thread speeds tip replacement

Tapers lock consumables for excellent electrical conductivity
# Specifications

(Subject to change without notice.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Stock No.</th>
<th>Cable Length</th>
<th>Rated Output</th>
<th>Duty Cycle</th>
<th>Standard Wire Size</th>
<th>Standard Consumables</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDX™-100</td>
<td>1770028</td>
<td>10 ft. (3 m)</td>
<td>100 A</td>
<td>100% with CO₂ gas, 60% with mixed gas</td>
<td>.030–.035 in. (0.8–0.9 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
<tr>
<td>MDX™-250</td>
<td>1770035</td>
<td>10 ft. (3 m)</td>
<td>250 A</td>
<td>100% with CO₂ gas, 60% with mixed gas</td>
<td>.030–.035 in. (0.8–0.9 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
<tr>
<td></td>
<td>1770036</td>
<td>12 ft. (3.7 m)</td>
<td></td>
<td></td>
<td>.030–.035 in. (0.8–0.9 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
<tr>
<td></td>
<td>1770037</td>
<td>15 ft. (4.6 m)</td>
<td></td>
<td></td>
<td>.030–.035 in. (0.8–0.9 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
<tr>
<td></td>
<td>1770038</td>
<td>15 ft. (4.6 m)</td>
<td></td>
<td></td>
<td>.035–.045 in. (0.9–1.2 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
<tr>
<td></td>
<td>1770041</td>
<td>10 ft. (3 m)</td>
<td></td>
<td></td>
<td>.035–.045 in. (0.9–1.2 mm)</td>
<td>AccuLock™ S Series</td>
</tr>
<tr>
<td></td>
<td>1770042</td>
<td>12 ft. (3.7 m)</td>
<td></td>
<td></td>
<td>.035–.045 in. (0.9–1.2 mm)</td>
<td>AccuLock™ S Series</td>
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<tr>
<td></td>
<td>1770043</td>
<td>15 ft. (4.6 m)</td>
<td></td>
<td></td>
<td>.035–.045 in. (0.9–1.2 mm)</td>
<td>AccuLock™ S Series</td>
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<tr>
<td>MDX™-250 EZ-Select™</td>
<td>1770046</td>
<td>15 ft. (4.6 m)</td>
<td>250 A</td>
<td>100% with CO₂ gas, 60% with mixed gas</td>
<td>.035–.045 in. (0.9–1.2 mm)</td>
<td>AccuLock™ S Series</td>
</tr>
<tr>
<td></td>
<td>1770047</td>
<td>15 ft. (4.6 m)</td>
<td></td>
<td></td>
<td>.030–.035 in. (0.8–0.9 mm)</td>
<td>AccuLock™ MDX Series</td>
</tr>
</tbody>
</table>

## Consumables

### AccuLock™ MDX™ Series Consumables
**MDX™-100 MIG Gun**
- Diffuser: D-M100
- AccuLock MDX Contact Tip
- Gasless Nozzle: NS-MFLX

### AccuLock™ MDX™ Series Consumables
**MDX™-250/MDX™-250 EZ-Select™ MIG Guns**
- Insulator: 4623RM
- Diffuser: D-M250
- AccuLock MDX Contact Tip
- Nozzle, 1/2 in. ID, Flush: N-M1200B (Brass)
- Nozzle, 1/2 in. ID, Standard: N-M1200C (Copper)
- Nozzle, 5/8 in. ID, Flush: N-M5800C (Copper)
- Nozzle, 5/8 in. ID, Rec: N-M5818C (Copper)
- Nozzle, 5/8 in. ID, Ext: N-M58XTC (Copper)
- Nozzle, 1/2 in. ID, Flush: N-M1200C (Copper)
- Nozzle, 1/2 in. ID, Rec: N-M1218C (Copper)

### AccuLock™ S Series Consumables
**MDX™-250/MDX™-250 EZ-Select™ MIG Guns**
- Insulator: 4623RM
- Diffuser: D-MA250M
- AccuLock S Contact Tip
- Nozzle, 5/8 in. ID, Flush: N-AS800CM (Copper)

*Note: See page 4 for a complete list of AccuLock S nozzles available.*
**Consumables and Replacement Parts**

**For MDX™-100 MIG Gun**

**AccuLock® MDX Consumables**
Smaller consumables and components to access hard-to-reach weldments.

**MDX-100 with AccuLock MDX Consumable Kits**

- 1880277 .023 in (0.6 mm)
- 1880278 .030 in (0.8 mm)
- 1880274 .035 in (0.9 mm)

Kits include ten contact tips, one nozzle, one diffuser and a consumable storage box.

**Contact Tips (10 per package)**
- T-M023 .023 in. (0.6 mm)
- T-M030 .030 in. (0.8 mm)
- T-M035 .035 in. (0.9 mm)
- T-M045 .045 in. (1.2 mm)
- T-M047 3/64 in. (1.2 mm)

**Nozzles**
- NS-M1200B Brass, 1/2 in. ID, flush
- NS-M1200C Copper, 1/2 in. ID, flush
- NS-MFLX Gasless nozzle

**Diffuser D-M100**

**Monocoil Replacement Liners**
- LM1A-10 10 ft., .023/.025 in. (0.6 mm)
- LM2A-10 10 ft., .030–.035 in. (0.8–0.9 mm)
- LM3A-10 10 ft., .035–.045 in. (0.9–1.2 mm)

**Power Pin 2200169**

**Power Pin Caps**
- 2200170 .023/.030 in. (0.6/0.8 mm)
- 2200171 .035–.045 in. (0.9–1.2 mm)

**MDX-100 Replacement Parts**
- 1040087 Neck
- 1880266 Handle kit
- 211-S-MDX Trigger switch
- 2520100 Rear strain relief

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**For MDX™-250 MIG Guns**

**AccuLock® MDX Consumables**
Smaller consumables and components to access hard-to-reach weldments.

**MDX-250 with AccuLock MDX Consumable Kits**

- 1880277 .030 in (0.8 mm)
- 1880276 .035 in (0.9 mm)
- 1880277 .045 in. (1.2 mm)

Kits include ten contact tips, one nozzle, one diffuser, one neck insulator and a consumable storage box.

**Contact Tips (10 per package)**
- T-M023 .023 in. (0.6 mm)
- T-M030 .030 in. (0.8 mm)
- T-M035 .035 in. (0.9 mm)
- T-M045 .045 in. (1.2 mm)
- T-M047 3/64 in. (1.2 mm)

**Nozzles**
- N-M1200C Copper, 1/2 in. ID, flush
- N-M1218C Copper, 1/2 in. ID, 1/8 in. recess
- N-M5800C Copper, 5/8 in. ID, flush
- N-M5818C Copper, 5/8 in. ID, 1/8 in. recess
- N-M58XTC Copper, 5/8 in. ID, 1/8 in. stickout

**Diffuser D-M250**

**Neck Insulator (2 per package) 4623RM**

**AccuLock® S Consumables**
Consumables for increased durability and longer life when guns are used in industrial applications.

**MDX-250 with AccuLock S Consumable Kits**

- 1880278 .035 in (0.9 mm)
- 1880279 .045 in. (1.2 mm)

Kits include ten contact tips, one nozzle, one diffuser, one neck insulator and a consumable storage box.

**Contact Tips (10 per package)**
- T-A023CHM .023 in. (0.6 mm)
- T-A030CHM .030 in. (0.8 mm)
- T-A035CHM .035 in. (0.9 mm)
- T-A039CHM .039 in. (1.0 mm)
- T-A045CHM .045 in. (1.2 mm)

**Nozzles (1 per package)**
- N-A5800CM Copper, 5/8 in. ID, flush
- N-A5818CM Copper, 5/8 in. ID, 1/8 in. recess
- N-A5814CM Copper, 5/8 in. ID, 1/4 in. recess

**Diffuser (2 per package) D-MA250**

**Neck Insulator (2 per package) 4623RM**

**Monocoil Replacement Liners**
- LM1A-10 10 ft., .023/.025 in. (0.6 mm)
- LM2A-10 10 ft., .030–.035 in. (0.8–0.9 mm)
- LM3A-10 10 ft., .035–.045 in. (0.9–1.2 mm)
- LM1A-12 12 ft., .023/.025 in. (0.6 mm)
- LM2A-12 12 ft., .030–.035 in. (0.8–0.9 mm)
- LM3A-12 12 ft., .035–.045 in. (0.9–1.2 mm)
- LM1A-15 15 ft., .023/.025 in. (0.6 mm)
- LM2A-15 15 ft., .030–.035 in. (0.8–0.9 mm)
- LM3A-15 15 ft., .035–.045 in. (0.9–1.2 mm)

**Power Pin 2200169**

**Power Pin Caps**
- 2200170 .023/.030 in. (0.6/0.8 mm)
- 2200171 .035–.045 in. (0.9–1.2 mm)

**MDX-250 Replacement Parts**
- 1040086 Neck
- 1880265 Handle kit
- 1880264 Handle kit (EZ-Select™)
- 211-S-MDX Trigger switch
- 2520100 Rear strain relief

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**Ordering Information**

<table>
<thead>
<tr>
<th>MIG Gun</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDX-100</td>
<td>1770028</td>
<td>10 ft. (3 m) with AccuLock MDX consumables for .030–.035 in (0.8–0.9 mm) wire</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDX-250</td>
<td>1770035</td>
<td>10 ft. (3 m) with AccuLock MDX consumables for .030–.035 in (0.8–0.9 mm) wire</td>
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<td>1770036</td>
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<td></td>
<td>1770037</td>
<td>15 ft (4.6 m) with AccuLock MDX consumables for .030–.035 in (0.8–0.9 mm) wire</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>1770038</td>
<td>12 ft (3.7 m) with AccuLock MDX consumables for .035–.045 in (0.9–1.2 mm) wire</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1770041</td>
<td>10 ft. (3 m) with AccuLock S consumables for .035–.045 in (0.9–1.2 mm) wire</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDX-250 EZ-Select</td>
<td>1770046</td>
<td>15 ft (4.6 m) with AccuLock S consumables for .035–.045 in (0.9–1.2 mm) wire</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1770047</td>
<td>15 ft (4.6 m) with AccuLock MDX consumables for .030–.035 in (0.8–0.9 mm) wire</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Date:**

**Total Quoted Price:**

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