Sources are equipped with Dinse- or Tweco-style connectors. Adjustments, based on mounting preferences, to the weld joint, by providing vertical or horizontal motorized control. Used to align the welding head (gun) provides accurate weld head adjustment with convenient 045623 Adapter Plate*

Cable Connectors and Adapters

Also see Torch and Weld Cable Connectors in TIG Accessories on page 121.

For Invision 352 MPa, AlumaFeed System, XMT 304/350, CST 280, Maxstar, Dynasty and Syncrowave. These power sources are equipped with Dinse- or Tweco-style connectors for secondary connections. Power sources are shipped with two male plugs for use with #4 to #1/0 AWG cable.

Dinse-Style Connector Kits

042418 Accepts #4 to #1/0 AWG cable
042533 Accepts #1/0 to #2/0 AWG cable

Kits include one male Dinse-style plug which attaches to the work and/or weld cables and plugs into the Dinse-style receptacles on the power source.

Extension Kit for Dinse-Style Cable Connectors

042419 Accepts #4 to #1/0 AWG cable

Used to adapt or extend weld and/or work cables. Kit includes one male Dinse-style plug and one in-line female Dinse-style receptacle.

Extensions for Dinse-Style Cable Connectors

134460 Male Dinse-style plug
136600 Female Dinse-style receptacle

Used to adapt or extend weld and/or work cables. Accepts #1/0 to #2/0 AWG cable.

Carts, Cylinder Racks and Running Gear

Also see Engine Drive Accessories on page 116.

Feeder Cart 142382 A low-profile, creper cart which allows the operator to easily move the feeder around the work area.

Cylinder Cart 056301 For wire feeders, XMT, CST 280 and larger Maxstar/Dynasty. Cart is 34 inches high x 30 inches wide x 17 inches deep (864 x 762 x 432 mm).

Cylinder Cart 042537 For Invision, XMT and CST 280. Has adjustable handles and is slanted for convenient access to power source front panel controls. Carries two 160-pound (72.6 kg) gas cylinders with feeder mounted to tray above power source. Accommodates Coolmate 3 or 4 coolant system.

Tweco®-Style Connector 191981 Accepts #1/0 to #2/0 AWG cable. Kit includes one Tweco-style male plug which attaches to the work and/or weld cables and plugs into the Tweco-style receptacles on the power source.

Dinse/Tweco® Adapter 042465

Dinse/Cam-Lok Adapter 042466 One-piece adapter with Dinse-style male plug (to power source) on one end and Tweco or Cam-Lok female receptacle (for weld cable connection) on the other end.

Tweco®/Dinse Adapter 210061 One-piece adapter with Tweco-style male plug (to power source) on one end and Dinse-style female receptacle (for weld cable connection) on the other end.

Universal Cart and Cylinder Rack 042934 For Invision 352 MPa, XMT 304/350, CST 280, Diversion, Maxstar 210/280 and Dynasty 210/280. Also accommodates a single gas cylinder up to 56 inches (1,422 mm) high measuring 6 to 9 inches (152 to 229 mm) in diameter. Provides storage for auxiliary items such as electrodes, helmets and gloves.

For gas cylinders no greater than 7 inches (178 mm) in diameter or 65 pounds (29.5 kg) in weight.

Running Gear / Cylinder Rack 301239 For Millermatic 125 Hobby/141/190/211, Multimatic 200/215 and Diversion. Heavy-duty construction with 8-inch rubber rear wheels. Convenient front handles, cable holders and plastic consumable box.

For cylinders with feeder mounted to tray above power source.

Dual EZ-Change® Low Cylinder Rack with Elevated Gun and Cable Rack 300337 For Millermatic 212 Auto-Set/252 and Syncrowave 210. Allows operators to easily roll cylinders on and off the rack with no lifting. Gun and cable rack keeps cables off the floor and tangle free.

Elevated Gun and Cable Rack 300335 For Millermatic 212 Auto-Set/252 and Syncrowave 210. Allows operators to easily roll cylinders on and off the rack with no lifting. Gun and cable rack keeps cables off the floor and tangle free.

Dual EZ-Change® Low Cylinder Rack 300337 For Millermatic 212 Auto-Set/252 and Syncrowave 210. Allows operators to easily roll cylinders on and off the rack with no lifting. Gun and cable rack keeps cables off the floor and tangle free.


Shopmate 300 Running Gear / Dual Cylinder Rack 300145 For Shopmate 300 DX. The large 10-inch (254 mm) rear wheels and 5-inch (127 mm) front casters on this running gear provide excellent mobility on the shop floor, making it easier to move the power source. Very easy to install. Handles double as a cable holder. Holds two cylinders.
Economical, 3-gallon cooler designed for water-cooled torches. Small footprint and easily maneuverable, with a dual-cylinder rack low enough that you do not have to lift bottles. Durable, heavy-duty ergonomic handles are designed for comfort.

**Coolant Systems**

![Coolmate 1.3](image1) ![Coolmate 3](image2) ![Coolmate 3.5](image3) ![Coolmate 4](image4)

**Coolmate 1.3** 300972 120 V
For Maxstar 210/280 and Dynasty 210/280. Light industrial, 1.3-gallon cooler designed for water-cooled torches on power sources rated up to 280 amps*.

**Coolmate 3** 043007 120 V 043008 240 V
Economical, 3-gallon cooler designed for water-cooled torches rated up to 500 amps*.

**Coolmate 3.5** 300245 120 V
For Maxstar 350/700 and Dynasty 350/700, Industrial, 3.5-gallon cooler designed for water-cooled torches rated up to 600 amps*.

**Coolmate 4** 042288 120 V
Best performer in its class — industrial, 4-gallon cooler designed for water-cooled torches rated up to 600 amps*.

**Standard Running Gear and Cylinder Rack**

- **Coolmate 3** 042886 Running gear 042887 Cylinder rack
- For CP-302, DeltaTig, Dimension 302/452 and Gold Star. Running gear has 10-inch (254 mm) rear wheels and 5-inch (127 mm) front casters for excellent mobility on the shop floor. Very easy to install. Handles double as a cable holder. Cylinder rack only installs on Standard Running Gear.

**Dimension 650 Running Gear** 301307
For Dimension 650. Large 10-inch (254 mm) rear wheels and 5-inch (127 mm) front casters provide excellent mobility. Easy to install. Compatible with single and dual feeders.

**Thunderbolt XL Running Gear** 043927
For Thunderbolt XL. Mounts easily to unit and provides convenient portability. Includes two wheels, two feet and a handle.

**Coolant**

- **Coolmate 1.3** 300972 120 V
- **Coolmate 3** 300245 120 V
- **Coolmate 3.5** 300245 120 V
- **Coolmate 4** 042288 120 V

Sold in multiples of four in 1-gallon recyclable plastic bottles. Miller® coolants contain a base of ethylene glycol and deionized water to protect against freezing to -37° Fahrenheit (-38°C) or boiling to 227° Fahrenheit (108°C).

**Low-Conductivity Coolant** (clear, pre-mixed) 043810
For TIG and MIG applications. NOT for use in push-pull systems or systems where aluminum is in coolant path/circuit.

**Aluminum-Protecting Coolant** (green, pre-mixed) 043809
Primarily used in push-pull systems where aluminum is in coolant path/circuit and high frequency is NOT used.

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Input Voltage</th>
<th>Maximum Current Draw</th>
<th>Maximum Cooling Capacity</th>
<th>IEC Cooling Capacity</th>
<th>Tank Capacity</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolmate 1.3</td>
<td>115 V, 60 Hz</td>
<td>4.7 A (60 Hz)</td>
<td>3,400 W (11,600 Btu/hr.)</td>
<td>3.8 qt./min. (3.6 L/min.)</td>
<td>1.330 W (4,540 Btu/hr.)</td>
<td>1.1 qt./min. (1 L/min.)</td>
<td>1.3 gal. (4.9 L)</td>
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<tr>
<td>Coolmate 3</td>
<td>115 V, 50/60 Hz</td>
<td>5.9 A (50 Hz), 4.7 A (60 Hz)</td>
<td>3,820 W (13,000 Btu/hr.)</td>
<td>4.2 qt./min. (4.0 L/min.)</td>
<td>1.420 W (4,840 Btu/hr.)</td>
<td>1.1 qt./min. (1 L/min.)</td>
<td>3 gal. (11.4 L)</td>
</tr>
<tr>
<td></td>
<td>230 V, 50/60 Hz</td>
<td>2.5 A (50 Hz), 3.0 A (60 Hz)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coolmate 3.5</td>
<td>115 V, 50/60 Hz</td>
<td>5.9 A (50 Hz), 4.7 A (60 Hz)</td>
<td>4,140 W (14,000 Btu/hr.)</td>
<td>5.0 qt./min. (4.7 L/min.)</td>
<td>1,660 W (5,660 Btu/hr.)</td>
<td>1.1 qt./min. (1 L/min.)</td>
<td>3.5 gal. (13.2 L)</td>
</tr>
<tr>
<td>Coolmate 4</td>
<td>115 V, 50/60 Hz</td>
<td>5.9 A (50 Hz), 4.7 A (60 Hz)</td>
<td>5,500 W (18,000 Btu/hr.)</td>
<td>5.9 qt./min. (5.6 L/min.)</td>
<td>1,780 W (6,070 Btu/hr.)</td>
<td>1.1 qt./min. (1 L/min.)</td>
<td>4 gal. (15 L)</td>
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</tbody>
</table>
Engine Drive Accessories

Also see Trailers on page 117 and HF Arc Starters on page 120.

Big Blue Accessories

Cable Holder 043946
For Big Blue 500 Pro/600 Series/700 Duo Pro/800 Series.

Vandalism Lockout Kit 399802 Field
For Big Blue 500 Pro/600 Series/700 Duo Pro. Lockable hinged steel panels cover and protect name plate gauges and ignition switch (padlock included). Also includes engine compartment door lock and key.

Blue Star Accessories

Lifting Eye 195353
For current model Blue Star 185.

Running Gear 301246
For current model Blue Star 185. Compact and balanced, lightweight wheelbarrow-style running gear provides easy onsite mobility.

Bobcat and Trailblazer Accessories (Gas/LP)

Multi-Terrain Running Gear 300913 Inner tubes
300914 Never Flat™ tires
For gas/LP Bobcat and Trailblazer. Includes two heavy-duty 15-inch tires, two 8-inch rubber swivel casters and a heavy-duty handle. Recommended for all surfaces and applications and is easy to move around the jobsite.

Off-Road Running Gear 300909 Inner tubes
300910 Never Flat™ tires
For gas/LP Bobcat and Trailblazer. Includes four heavy-duty 15-inch tires and a rugged handle to provide maximum maneuverability.

Off-Road Running Gear with Protective Cage and Never Flat™ Tires 300912
For gas/LP Bobcat and Trailblazer. Running gear and rugged cage with cable holders protects your investment and is easy to move around the jobsite.

Bobcat and Trailblazer Accessories (Diesel)

Remote Oil Drain and Filter Kit 300923 Field
For gas Bobcat and Trailblazer. Front mount for Kohler engines makes servicing easy when engine drive is mounted in tight spots.

All-Purpose Running Gear with Never Flat™ Tires 300477
For diesel Bobcat and Trailblazer. Includes two heavy-duty 15-inch tires, two 8-inch rubber swivel casters and a heavy-duty handle. Recommended for all surfaces and applications and is easy to move around the jobsite.

Protective Cage with Cable Holders 195331
For diesel Bobcat and Trailblazer. Designed for use with Protective Cage, or by itself. Includes base tray with bottle bracket, vertical support rack and safety chain. Note: Not recommended for use with Protective Cover.

Protective Covers

Gas Cylinder Mounting Assembly 195330
For diesel Bobcat and Trailblazer. Designed for use with Protective Cage, or by itself. Includes base tray with bottle bracket, vertical support rack and safety chain. Note: Not recommended for use with Protective Cover.

Generator Accessories

Full KVA Adapter Cord 300517
For Bobcat, Trailblazer and Big Blue models. NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240-volt plug to common Millermatic and Spectrum 240-volt plug.

Three-Phase Full KVA Plug Kit 254140
For Big Blue 500 Pro/600 Series/700 Duo Pro/800 Series.

Protective Covers

Protective covers (300919) and (195301) shown.

Protective Covers
Heavy-duty, water- and mildew-resistant covers protect and maintain the finish of the welder.

Off-Road Running Gear with Protective Cage and Never Flat™ Tires 300912
For gas/LP Bobcat and Trailblazer. Running gear and rugged cage with cable holders protects your investment and is easy to move around the jobsite.

Note: Not for use with LP Tank Mounting Assembly. Not recommended for use with Protective Cover.

Hose and LP Tank Mounting Assembly 300917
For LP Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes bracket and clamp to mount 33- and 43-pound tanks horizontally, and hose with fittings to converter. Note: Cannot be used with Gas Cylinder Mounting Assembly.

Protective Cage with Cable Holders 300921
For gas/LP Bobcat and Trailblazer.
300473 For Trailblazer 302 Air Pak.
Rugged cage with cable holders protects your investment. Works with Running Gear, Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.

Gas Cylinder Mounting Assembly 300918
For gas Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes base tray with bottle bracket, vertical support rack and safety chain.

Note: Not recommended for use with LP Tank Mounting Assembly.

For Trailblazer 302 Air Pak.

Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.

Remote Oil Drain and Filter Kit 300923 Field
For gas Bobcat and Trailblazer. Front mount for Kohler engines makes servicing easy when engine drive is mounted in tight spots.

Full KVA Adapter Cord 300517
For Bobcat, Trailblazer and Big Blue models. NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240-volt plug to common Millermatic and Spectrum 240-volt plug.

Three-Phase Full KVA Plug Kit 254140
For Big Blue 500 Pro/600 Series/700 Duo Pro/800 Series.

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Protective covers (300919) and (195301) shown.

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Off-Road Running Gear with Protective Cage and Never Flat™ Tires 300912
For gas/LP Bobcat and Trailblazer. Running gear and rugged cage with cable holders protects your investment and is easy to move around the jobsite.

Note: Not for use with LP Tank Mounting Assembly. Not recommended for use with Protective Cover.

Hose and LP Tank Mounting Assembly 300917
For LP Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes bracket and clamp to mount 33- and 43-pound tanks horizontally, and hose with fittings to converter. Note: Cannot be used with Gas Cylinder Mounting Assembly.

Protective Cage with Cable Holders 300921
For gas/LP Bobcat and Trailblazer.
300473 For Trailblazer 302 Air Pak.
Rugged cage with cable holders protects your investment. Works with Running Gear, Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.

Gas Cylinder Mounting Assembly 300918
For gas Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes base tray with bottle bracket, vertical support rack and safety chain.

Note: Not recommended for use with LP Tank Mounting Assembly.

For Trailblazer 302 Air Pak.

Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.

Remote Oil Drain and Filter Kit 300923 Field
For gas Bobcat and Trailblazer. Front mount for Kohler engines makes servicing easy when engine drive is mounted in tight spots.

Full KVA Adapter Cord 300517
For Bobcat, Trailblazer and Big Blue models. NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240-volt plug to common Millermatic and Spectrum 240-volt plug.

Three-Phase Full KVA Plug Kit 254140
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Protective Covers

Protective covers (300919) and (195301) shown.

Protective Covers
Heavy-duty, water- and mildew-resistant covers protect and maintain the finish of the welder.

Off-Road Running Gear with Protective Cage and Never Flat™ Tires 300912
For gas/LP Bobcat and Trailblazer. Running gear and rugged cage with cable holders protects your investment and is easy to move around the jobsite.

Note: Not for use with LP Tank Mounting Assembly. Not recommended for use with Protective Cover.

Hose and LP Tank Mounting Assembly 300917
For LP Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes bracket and clamp to mount 33- and 43-pound tanks horizontally, and hose with fittings to converter. Note: Cannot be used with Gas Cylinder Mounting Assembly.

Protective Cage with Cable Holders 300921
For gas/LP Bobcat and Trailblazer.
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Rugged cage with cable holders protects your investment. Works with Running Gear, Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.

Gas Cylinder Mounting Assembly 300918
For gas Bobcat and Trailblazer. Designed for use with Running Gear, Protective Cage, or by itself. Includes base tray with bottle bracket, vertical support rack and safety chain.

Note: Not recommended for use with LP Tank Mounting Assembly.

For Trailblazer 302 Air Pak.

Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.
**Trailers**

**HWY-Mid Frame Trailer  301438**
For Bobcat, Trailblazer, and Big Blue 350/400/450 Pro models. A 1,424-pound (646 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. Includes jack stand, fenders, lights, and dual hitch with 2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye.

**4 West Four-Wheel Steerable Off-Road Trailer**
For Big Blue 500 Pro/600 Series/700 Duo Pro/800 Series. Heavy-duty 2,570-pound (1,166 kg) capacity trailer designed for use in mines, quarries and other rough terrain. Has narrow 22-foot (6.7 m) turning radius. Includes 3-inch lunette eye, universal hitch and safety chains.

**HWY-225 Trailer  301338**
For Big Blue models. A 2,700-pound (1,225 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. Includes jack stand, fenders, lights, and dual hitch with 2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye.

*Note: Trailers are shipped unassembled. *Width at outside of fenders. **Does not include tongue.

**Load Banks**

**LBP-350  043329**
Designed to provide an adjustable load for troubleshooting or calibrating welding power sources or generators. Standard equipment includes analog meters for both AC and DC output with jacks for external metering connections. It comes with a 13-foot (4 m) 115-volt power cord and has seven 50-amp load switches, providing a maximum capacity of 350 amps.

**Welding Power Load Bank  902804**
Designed to load test the output of transformer-type, engine- or motor-driven generator welding power sources. This unit can be used to test AC or DC welder outputs, and to demonstrate welding equipment to customers.

**MIG Accessories**

**Gun and Machine Accessory Kits**

**Migmatic™ M-Series Gun Consumable Kits**
For M-100 and M-150 guns
- 234607 .023 in. (0.6 m) wire
- 234608 .030 in. (0.8 m) wire
- 234609 .035 in. (0.9 m) wire
For M-25 gun
- 234610 .030 in. (0.8 m) wire
- 234611 .035 in. (0.9 m) wire
- 234612 .045 in. (1.2 m) wire
M-100/M-150 kits include 10 contact tips, 1 tip adapter 1 standard nozzle and a consumable storage box. M-25 kits add 1 nozzle adapter.

**Shopmate 300 MIG Kit  300150**
Includes flow gauge regulator and 10-foot (3 m) gas hose for argon or Ar/CO₂ mix, 10-foot (3 m) 1/0 interconnecting cable, 15-foot (4.6 m) 1/0 work cable with clamp, and consumable storage box.

**Aluminum Conversion Kit  172136**
For M-25 gun. Allows 10-foot (3 m) guns to feed 3/64-inch (1.2 mm) aluminum wire.

**Industrial MIG 4/0 Kit  300957**
For dual feeders. Consists of flowmeter regulator with 10-foot (3 m) gas hose, 10-foot (3 m) 4/0 feeder weld cable with lugs, and 15-foot (4.6 m) work cable with 600-amp C-clamp. Dual kit comes with two flowmeter regulators and gas hoses.

**Industrial MIG 4/0 Kit with Dinse Connectors  300405**
For single feeders. Same as above except weld and work cables have Dinse-style connector on one end instead of lug.
Plasma Cutter Accessories

Automation Kits

Automation Kit for Spectrum 625 X-TREME 301158
Upgrades new quick-connect hand-held torch packages to add machine torch capabilities.
Includes new front panel with built-in remote control cable receptacle. Machine torches are NOT included in kits and must be ordered separately.

Automation Kit (301157) shown.

Automation Kits for Spectrum 875 and 875 Auto-Line 301156 For Spectrum 875.
301157 For Spectrum 875 Auto-Line.
Automation kits upgrade hand-held torch packages to add machine torch capabilities. Automation kit for Spectrum 875 Auto-Line (301157) includes a remote pendant control for manual on/off. Machine torches are NOT included in kits and must be ordered separately.

Cables and Cable Covers

Flexible Work Cable 234838 20 ft. (6.1 m)
234930 50 ft. (15.2 m)
Work cable with quick connect and heavy-duty clamp.

Cable Covers 239642 20 ft. (6.1 m)
231867 25 ft. (7.6 m)
231868 50 ft. (15.2 m)

Cutting Guides

Plasma Circle-Cutting Guides 253055
For XT30C/XT30/XT40/XT60 torches. Cut straight lines or circles up to 12 inches in diameter.

Suction/Magnetic Pivot Base 195979
Add this to your cutting guide for convenient attachment to all flat surfaces. The extended arm accommodates holes up to 30 inches in diameter.

Plasma Standoff Roller Guide 253054
Helps maintain recommended standoff distance to maximize cutting performance and improve tip life.

Filters

In-Line Air Filter Kit 228926

RTI Filter and Bracket 300491
For Spectrum 875/875 Auto-Line. Dryer will remove water, dirt and oil as small as one micron with 99.9 percent efficiency. Can be mounted on plasma cutter or on wall. Install as close as possible to point of air consumption. Replaceable filter element (212771).

Plugs and Cords

MVP® Plugs
219258 For 6-50P power cable (230/240 V, 50 A).
219261 For 5-15P power cable (115/120 V, 15 A).
219259 For 5-20P power cable (115/120 V, 20 A).

For Spectrum 375 X-TREME, Millermatic 211, Multimatic 200/215 and Diversion 180. Allows connection of machine to 115/120-volt or 230/240-volt receptacles without tools — just choose the plug that fits the receptacle.

MVP® Adapters

254328 For connection to 6-50P receptacle (240 V, 50 A).
254330 For connection to 5-15P receptacle (120 V, 15 A).
254331 For connection to 5-20P receptacle (120 V, 20 A).

For Spectrum 625 X-TREME. Allows connection of machine to 120- or 240-volt receptacles without tools — just choose the adapter cord that fits the receptacle.

Protective Covers

Protective Cover 300388
For Spectrum 875.

X-CASE 300184
For Spectrum 375 X-TREME/625 X-TREME. 301429 For Maxstar 161 models.

Torches

See your Miller® distributor for complete information on the following XT plasma torches and their consumables:

Spectrum Plasma Cutter Hand-Held Torches
For Spectrum 375 X-TREME 249949 12 ft. (3.7 m) XT30
For Spectrum 625 X-TREME 260633 12 ft. (3.7 m) XT40
260635 20 ft. (6.1 m) XT40
For Spectrum 875 and 875 Auto-Line 249953 20 ft. (6.1 m) XT60
249954 50 ft. (15.2 m) XT60

Spectrum Plasma Cutter Machine Torches
For Spectrum 625 X-TREME 259305 25 ft. (7.6 m) long body XT40M
257462 25 ft. (7.6 m) short body XT40M
For Spectrum 875 and 875 Auto-Line 249955 25 ft. (7.6 m) long body XT60M
249956 50 ft. (15.2 m) long body XT60M
257464 25 ft. (7.6 m) short body XT60M
263952 50 ft. (15.2 m) short body XT60M

Plasma Torch Consumable Kits

253520 For XT30 torch. Includes 5 electrodes, 5 tips, 1 swirl ring, 1 retaining cup, 1 o-ring and silicone grease.
253521 For XT40 torch. Includes 5 electrodes, 5 tips (40 A), 3 tips (30 A), 1 drag shield (40 A), 2 drag shields (30 A), 1 deflector, 1 o-ring, 1 swirl ring, 1 retaining cup, 1 gauge tip (40 A), 1 gauge shield and silicone grease.
256033 For XT60 torch. Includes 3 standard electrodes, 3 standard tips, 1 drag shield, 1 deflector, 1 o-ring, 1 swirl ring, 1 retaining cup, 1 gauge tip, 1 gauge shield and silicone grease.
127493 Empty consumable storage box.
**Polarity Switches/Controls**

**Polarity Control 042871**
This dual-function control is designed for use with dual wire feeders or any application where electrical isolation and/or polarity reversing of weld current is required. Both functions can be used at the same time.

**Process Selector Control 042872**
For CC, CV or CC/CV welding power source. Provides easy way to change welding process. Also includes features of Polarity Control.

**Remote Controls**

*Also see Remote Controls in TIG Accessories on pages 120 and 121.*

**PRHC-14 Hand Control 195511**
For all solid-state power sources after serial number JK674521. Complete current or voltage control brings 120 volts of GFCI power to work area in a single cord. Housed in a durable and light aluminum case and includes 125-foot (38 m) cord with plugs.

**Remote On/Off Control 242197025**
For Deltaweld, Dimension 302/452, and Gold Star. Allows you to turn power source on or off from a distance of 25 feet (7.6 m). This is useful if power source is up in a mezzanine.

**Stick Accessory Kits**

**No. 2 Stick Cable Sets**
195196 15 ft. (4.6 m)
300836 50 ft. (15 m)
Consists of either 15- or 50-foot electrode cable with holder and work cable with clamp. 200 A, 100% duty cycle.

**2/0 Stick Cable Set**
173651 50 ft. (15 m), 350 A
043952 100/50 ft. (30/15 m), 300 A
Consists of either 50- or 100-foot 2/0 electrode cable with holder and 50-foot work cable with clamp. 100% duty cycle.

**Weld Cables**
195457 2/0 cable with electrode holder, 400 A
195458 2/0 cable with work clamp, 400 A
301387 1/0 cable with electrode holder, 250 A
Consists of a stud/Tweco® adapter and 10-foot (3 m) weld cable with a Tweco male connector and either an electrode holder or work clamp.

**Submerged Arc Accessories**

**Cables**

2/0 Weld Cable Extensions
195456 50 ft. (15 m)
195455 100 ft. (30 m)
Extends weld cables (195457, 195458 and 301387).

**Continuum Motor/Control Cables**
263368015 15 ft. (4.6 m)
263368020 20 ft. (6.1 m)
263368025 25 ft. (7.6 m)
263368050 50 ft. (15 m)
263368080 80 ft. (24.4 m)
263368100 100 ft. (30.5 m)
Cable between SubArc Motor Control and SubArc Remote Pendant.

**Flux Hopper Extension Cables**
260623010 10 ft. (3 m)
260623025 25 ft. (7.6 m)
260623065 65 ft. (19.8 m)
Cable between SubArc Interface or Motor Control and flux hopper.

**Motor Extension Cables**
254232005 5 ft. (1.5 m)
254232010 10 ft. (3 m)
254232025 25 ft. (7.6 m)
254232065 65 ft. (19.8 m)
Cable between SubArc Interface or Motor Control and drive motor.

**SubArc Control Cables**
260622030 30 ft. (9.1 m)
260622050 50 ft. (15 m)
260622060 60 ft. (18.3 m)
260622080 80 ft. (24.4 m)
260622100 100 ft. (30.5 m)
260622120 120 ft. (36.6 m)
260622200 200 ft. (61.0 m)
Cable between SubArc Interface or Motor Control and power source.

**SubArc Parallel Cable**
260775015 15 ft. (4.6 m)

**SubArc Tandem Cable**
260878015 15 ft. (4.6 m)

**Torch Accessories**

**087 600 Torch Body Extensions**
043967 1 inch (25.4 mm)
043969 2 inch (50.8 mm)
043973 4 inch (101.6 mm)
043975 6 inch (152.4 mm)

**087 1200 Torch Body Extension 043981**
Overall length with extension is 9 inches (228.6 mm). Actual length of extension is 8.5 inches (215.9 mm).

**087 Torch Contact Tips**

**192700 087 1200**
192701 199026 1/16 in. (1.6 mm)
192702 192142 3/32 in. (2.4 mm)
192703 200771 7/64 in. (2.8 mm)
192704 192143 1/16 in. (3.2 mm)
192705 192144 5/32 in. (4.0 mm)
— 192136 3/16 in. (4.8 mm)

**1200-Amp Torch Contact Tips**

**Single-Wire**
264590 264596 1/16 in. (1.6 mm)
264591 264597 5/64 in. (2.0 mm)
264487 264488 3/32 in. (2.4 mm)
264593 5/32 in. (4.0 mm)
— 5/32 in. (4.0 mm)

**Wire Drive Assembly Accessories**

**Drive Rolls**
132955 1/16 in. (1.6 mm)
132960 5/64 in. (2.0 mm)
132963 3/32 in. (2.4 mm)
132962 7/64 in. (2.8 mm)
132963 1/8 in. (3.2 mm)
193700 5/32 in. (4.0 mm)
193701 3/16 in. (4.8 mm)
V-knurled drive rolls for use with hard-shelled cored wires.

**Manual Single Slide 301137**
Provides smooth and accurate movement of the welding heads. Allows for 7.87 inch (200 mm) travel adjustment with load capacity of 220 pounds (100 kg) at 1.64 feet (500 mm). **Not recommended for tandem.**

**Single-Wire Straighteners 199733**
For SubArc Wire Drive 400 Digital Low Voltage and SubArc Wire Drive 780 Digital Voltage. For 1/16–3/16 inch (1.6–4.8 mm) wire.

**Twin-Wire Straighteners**
301160 Single adjustment
301162 Double/separate adjustment For Twin-Wire torches only.

**Wire Reel 108008**
Supports 60-pound (27 kg) coil of wire. Requires Spool Support Assembly (119438).
**TIG Accessories**

### High-Frequency Arc Starters and Stabilizers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF251D-1</td>
<td>042388 115V</td>
<td></td>
</tr>
<tr>
<td>HF251-2</td>
<td>042387 230V</td>
<td></td>
</tr>
</tbody>
</table>

These portable 250-amp, 60-percent duty cycle units add high-frequency to the welding circuit to help start arc when using the TIG process.

### Secondary Contactor Kit

041969 Field For HF-251D-1.

041906 Field For HF-251-2.

For power sources without a contactor. Mounts inside HF-251 cabinet.

### Kits

**Contractor Kit**

301131 TIG/stick pkg with RCCS-14 fingertip

301309 TIG/stick pkg with RFCS-14 HD foot pedal

For Maxstar 210/280 and Dynasty 210/280. All-in-one TIG/stick welding kit comes with either a RCCS-14 fingertip control OR RFCS-14 HD foot control, Weldcraft™ A-150 TIG torch, 200-amp stick electrode holder with 15-foot (4.6 m) cable, 300-amp work clamp with 15-foot (4.6 m) cable, flow gauge regulator with 12-foot (3.7 m) gas hose, gas hose coupler, AK2C torch accessory kit, and TIG torch connector.

**Weldcraft® Water-Cooled Torch Kits**

300185 250 A, W-250 (WP-20)

300990 280 A, W-280 (WP-280)

301268 375 A, W-375

300186 400 A, W-400 (WP-185C)

For Maxstar (except 161 models), Dynasty, and Syncrowave 250 DX/350 LX. Kit comes with 25-foot (7.6 m) TIG torch with Dinse-style connector (thread-lock on 400-amp kit), torch cable cover, work clamp with 15-foot (4.6 m) cable [12-foot (3.7 m) cable on 400-amp kit], flowmeter regulator with gas hose, and torch accessory kit.

### Protective Covers

Protective covers (300579) and (195478) shown.

301429 X-CASE for Maxstar 161 models.

300579 For Diversion 165/180.

301381 For Maxstar 210.

301382 For Maxstar 280 and Dynasty 210/280.


195320 For Syncrowave 250 DX/350 LX.

195478 For XMT 304/350.

### Remote Controls

**14-Pin to 6-Pin Adapter Cord**

300507 For Maxstar 161 STL/STH and Multimatic 200. 12-inch (305 mm) cord adapts Miller® 14-pin foot control or fingertip control to a 6-pin plug.

**Remote Controls**

**RFCS-14 HD (14-pin plug)**

194744 Heavy-duty foot pedal current/contactor control provides increased stability and durability from larger base and heavier cord. Reconfigurable cord can exit front, back or either side of the pedal for flexibility. Includes 20-foot (6 m) cord with plug.

**RFCS-RJ45**

300432 For Diversion 165/180 and Multimatic 215. Foot pedal current/contactor control. Includes 14-foot (4.3 m) cord with plug.

**RFCS-RJ45**

242211020 20 ft. (6 m) cord with plug

242211100 100 ft. (30.5 m) cord with plug

Miniature hand current/contactor control. Dimensions: 4 x 4 x 3.25 inches (102 x 102 x 82 mm).

*For additional lengths visit MillerWelds.com/equiptoweld.

### TIG Contractor Kit

301287 For Multimatic 200.

301137 For Multimatic 215.

Kit comes with Weldcraft™ A-150 TIG torch with Dinse-style connector, either a RCCS-6M foot control (Multimatic 200 kit) OR RFCS-RJ45 foot control (Multimatic 215 kit), flow gauge regulator with 12-foot (3.7 m) gas hose, and AK2C torch accessory kit.

**Weldcraft® Water-Cooled Torch Kits**

300185 250 A, W-250 (WP-20)

300990 280 A, W-280 (WP-280)

301268 375 A, W-375

300186 400 A, W-400 (WP-185C)

For Maxstar (except 161 models), Dynasty, and Syncrowave 250 DX/350 LX. Kit comes with 25-foot (7.6 m) TIG torch with Dinse-style connector (thread-lock on 400-amp kit), torch cable cover, work clamp with 15-foot (4.6 m) cable [12-foot (3.7 m) cable on 400-amp kit], flowmeter regulator with gas hose, and torch accessory kit.

**RMS-6M (6-pin plug)**

195184 13.25 ft. (4 m) cord with plug.

195503 26.5 ft. (8 m) cord with plug.

For Maxstar 161 STL/STH and Multimatic 200.

**RCCS-6M (6-pin plug)**

195184 13.25 ft. (4 m) cord with plug.

195503 26.5 ft. (8 m) cord with plug.

For Maxstar 161 STL/STH and Multimatic 200.

**RCCS-RJ45**

301146 13.25 ft. (4 m) cord with plug.

For Diversion 165/180 and Multimatic 215.

**RCCS-14 (14-pin plug)**

043688 26.5 ft. (8 m) cord with plug.

North/east rotary-motion fingertip current/contactor control attaches to TIG torch using two hook-and-loop fasteners. Great for production or contractors that need quick ramp-up.

**RMLS-6M (6-pin plug)**

20 ft. (6 m) cord with plug

13.25 ft. (4 m) cord with plug

For XMT 304/350.

**RFCS-14**

195269 For Maxstar 161 STL/STH.

**RMS-14 (14-pin plug)**

195269 For Maxstar 161 STL/STH.

**RMS-14 (14-pin plug)**

187208 Momentary- and maintained-contact rocker switch for contactor control. Push forward for maintained contact and backward for momentary contact. Includes 26.5-foot (8 m) cord with plug.

**RMS-6M (6-pin plug)**

195269 For Maxstar 161 STL/STH.

**RPBS-14 (14-pin plug)**

300466 Attaches to the TIG torch to remotely start and stop the TIG welding process. Includes 25-foot (7.6 m) cord with plug.

**RFCS-RJ45**

300432 For Diversion 165/180 and Multimatic 215. Foot pedal current/contactor control. Includes 14-foot (4.3 m) cord with plug.

**RHC-14* (14-pin plug)**

242211020 20 ft. (6 m) cord with plug

242211100 100 ft. (30.5 m) cord with plug

Miniature hand current/contactor control. Dimensions: 4 x 4 x 3.25 inches (102 x 102 x 82 mm).

*For additional lengths visit MillerWelds.com/equiptoweld.
Wireless Remote Foot and Hand Controls

See literature AY/6.5 (Foot) and AY/6.6 (Hand)

Increases productivity, saves money, improves safety and easy to use.

**Foot Control**

Foot control is designed specifically for TIG welding in manufacturing, fabrication and plant applications, allowing operator to adjust amperage at point of use without the limitations of remote cord.

**Auto on feature** extends the battery life up to 250 hours of welding without turning the pedal on and off.

**Easy-Glide Wear Pads** glide across concrete, making it easy to reposition the pedal for comfort and speed.

- *Some applications are not suitable for wireless communication. Keep in mind that the rated range is subjective, and depends on factors such as obstructions, frequency interference, transmission technology, and weather. The figures listed assume ideal conditions are present.

**Hand Control**

Hand control is designed for stick, TIG, MIG and flux-cored welding, allowing operator to adjust parameters for different joint configurations, electrodes and wire types/sizes at the point of use instead of walking back to the machine.

- Allows parameter adjustments up to 300 feet away from welder without returning to machine.

- Improves weld quality. Operators can adjust their machines to optimize the parameters for different joint configurations, electrodes, and wire types and sizes.

- Smart Touch buttons allow quick and accurate machine parameter adjustments.

- Digital meter display allows presetting percentage of machine output before welding, and viewing amperage and voltage while welding.

**Torch and Weld Cable Connectors**

**Air-Cooled TIG (GTAW) Torch Connectors**

- **273483**
  - For Maxstar 161 and Multimatic 200/215. 25 mm (small) Dinse-style gas thru for one-piece air-cooled torches.

- **194723**
  - A-200 (WP26)

- **194722**
  - All others

- **195379**
  - A-200 (WP26)

- **195378**
  - All others

**Water-Cooled TIG (GTAW) Torch Connectors**

- **50 mm Dinse-Style Flow Thru**
  - 195380
  - For Syncrowave 210. Used with all Weldcraft™ water-cooled torches.

- **50 mm Dinse-Style with Water Return Line**
  - 195377
  - For Maxstar 210/280/350, Dynasty 210/280/350, and Syncrowave 250 DX/350 LX.
  - Used with all Weldcraft™ water-cooled torches.

**Accessories**

**Industrial**

- **Processes**
  - TIG (GTAW) • Pulsed TIG (GTAW-P)
  - The following processes are with hand control only
  - Stick (SMAW) • MIG (GMAW)• Flux-cored (FCAW)
  - Only with voltage-sensing feeder.

- **Comes complete with**
  - Wireless foot control (300429) or hand control (300430) transmitter
  - Wireless 14-pin receiver (300722)
  - Battery box (249297)
  - Three AA batteries
  - Four Easy-Glide Wear Pads™ for foot control only (sold individually, 248274)
  - Belt clip (for hand control only) (249233)

- **Suggested power sources**

  Look throughout this catalog for the icon above signifying compatibility with a wireless remote. For a complete power source compatibility list visit MillerWelds.com/wireless.

**Wireless 14-pin receiver** (included with both systems)

**Dimensions**

<table>
<thead>
<tr>
<th>Model/Stock Number</th>
<th>Component</th>
<th>Power Supply</th>
<th>Battery Life</th>
<th>Rated Range*</th>
<th>Temperature</th>
<th>Radio Frequency</th>
<th>RF Power</th>
<th>Antenna</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Foot Control System (300429)</td>
<td>Foot control (transmitter)</td>
<td>Three AA batteries</td>
<td>250 hours</td>
<td>90 ft. (27.4 m)</td>
<td>-13° to +158°F (-25° to +70°C)</td>
<td>2.4 GHz (ISM band)</td>
<td>&lt;3 mW</td>
<td>Internal</td>
<td>H: 6 in. (152 mm) W: 5.75 in. (146 mm)</td>
<td>3 lb. (1.4 kg) w/batteries</td>
</tr>
<tr>
<td>Wireless Hand Control System (300430)</td>
<td>Hand control (transmitter)</td>
<td>Three AA batteries</td>
<td>250 hours</td>
<td>300 ft. (91 m)</td>
<td></td>
<td></td>
<td></td>
<td>H: 5 in. (127 mm) W: 2.75 in. (70 mm)</td>
<td>0.6 lb. (0.27 kg) w/batteries</td>
<td></td>
</tr>
</tbody>
</table>

- **50 mm Dinse-Style Flow Thru**
  - EXCEPT A-200 (WP26) torch.  
  - 2A-80 (WP24) torches require 24-5 adapter.
Wire Feeder Accessories

Extension Cables (14-Pin)

8-Conductor Cables*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>242208025</td>
<td>25 ft.</td>
<td>7.6 m) For XR-Control, SuitCase 12RC feeder, 20 Series feeders, and 70 Series (except MPa Plus) feeders. For 14-pin remote controls/24 VAC wire feeders. 14-pin plug to a 14-pin socket. (Not for 115-volt XR or 50 Series feeders.)</td>
</tr>
<tr>
<td>242208050</td>
<td>50 ft.</td>
<td>(15 m) For XR-Control, SuitCase 12RC feeder, 20 Series feeders, and 70 Series (except MPa Plus) feeders. For 14-pin remote controls/24 VAC wire feeders. 14-pin plug to a 14-pin socket. (Not for 115-volt XR or 50 Series feeders.)</td>
</tr>
<tr>
<td>242208080</td>
<td>80 ft.</td>
<td>(24.4 m) For XR-Control, SuitCase 12RC feeder, 20 Series feeders, and 70 Series (except MPa Plus) feeders. For 14-pin remote controls/24 VAC wire feeders. 14-pin plug to a 14-pin socket. (Not for 115-volt XR or 50 Series feeders.)</td>
</tr>
</tbody>
</table>

242208025 25 ft. (7.6 m)
242208050 50 ft. (15 m)
242208080 80 ft. (24.4 m)

For XR-Control, SuitCase 12RC feeder, 20 Series feeders, and 70 Series (except MPa Plus) feeders. For 14-pin remote controls/24 VAC wire feeders. 14-pin plug to a 14-pin socket. (Not for 115-volt XR or 50 Series feeders.)

14-Conductor Cables*

<table>
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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>247831025</td>
<td>25 ft.</td>
<td>(7.6 m) For XR-AlumaFeed, MPa Plus feeders, and 60M feeders. Eleven conductors to support contactor control and remote voltage control on all Miller® electronic CV 14-pin power sources. Additional functions supported when using the Invision MPa or XMT MPa power sources include synergic pulsed MIG, remote process select and side select capabilities.</td>
</tr>
<tr>
<td>247831050</td>
<td>50 ft.</td>
<td>(15 m) For XR-AlumaFeed, MPa Plus feeders, and 60M feeders. Eleven conductors to support contactor control and remote voltage control on all Miller® electronic CV 14-pin power sources. Additional functions supported when using the Invision MPa or XMT MPa power sources include synergic pulsed MIG, remote process select and side select capabilities.</td>
</tr>
<tr>
<td>247831080</td>
<td>80 ft.</td>
<td>(24.4 m) For XR-AlumaFeed, MPa Plus feeders, and 60M feeders. Eleven conductors to support contactor control and remote voltage control on all Miller® electronic CV 14-pin power sources. Additional functions supported when using the Invision MPa or XMT MPa power sources include synergic pulsed MIG, remote process select and side select capabilities.</td>
</tr>
</tbody>
</table>

247831025 25 ft. (7.6 m)
247831050 50 ft. (15 m)
247831080 80 ft. (24.4 m)

For XR-AlumaFeed, MPa Plus feeders, and 60M feeders. Eleven conductors to support contactor control and remote voltage control on all Miller® electronic CV 14-pin power sources. Additional functions supported when using the Invision MPa or XMT MPa power sources include synergic pulsed MIG, remote process select and side select capabilities.

Power Supply Adapter

PSA-2 Control 141604
Required when using SuitCase 12RC, 20 Series, and 70 Series feeders with power sources having only 115-volt power available. Control is equipped with a 14-pin receptacle and a 10-foot interconnecting cable with Hubbell connections for older-style power sources. Can also be used with competitive power sources requiring a contact closure for contactor control.

PSA-2 Extension Cord 047813
25-foot (7.6 m) cord extends 10-foot (3 m) cord supplied with PSA-2 control (4-pin to 4-pin connection).

Spool Adapter

047141
For use with 14-pound (6.4 kg) spool of Hobart or Lincoln self-shielding wire.

Spool Gun Controls and Kits

For more information see literature M/1.5, M/1.73 and M/1.76.

SGA 100 043856
Required to connect Spoolmate 3035 spool gun to any Millermatic 141/190/211. Also allows connection to virtually any similar MIG welder – Miller or other brands. Includes 10-foot (3 m) 115-volt power cable with plug, 6-foot (1.8 m) interconnecting cable, and 5-foot (1.5 m) gas hose.

SGA 100C 043857
SGA with contactor required to connect Spoolmate 3035 spool gun to CV engine drives like the Miller Bobcat. Includes 10-foot (3 m) 115-volt power cable with plug, 6-foot (1.8 m) interconnecting cable, and 5-foot (1.5 m) gas hose.

WC-115A Weld Control

137 546 Without contactor
137546011 With contactor
Operates on 115-volt power and designed primarily for constant-current DC power sources. Can also be used with constant-voltage power sources or DC engine drives supplying 115 volts. Used with a CC source, the control circuit functions in a voltage-sensing mode and with a CV source, it functions as a constant-speed circuit. Includes wire run-in and drive motor acceleration controls which ensure optimum arc starting performance.

WC-24 Weld Control 137549
For Spoolmate 200, Spoolmatic and Spoolmatic Pro. Easily mounts on power source. Designed for use with Miller CV power sources with 14-pin receptacles and supplying 24 VAC.

Spool Gun Extension Hose and Cable Kits

132228 25 ft. (7.6 m)
132229 50 ft. (15 m)
For Spoolmate and Spoolmatic Pro. Extends leads, etc. between spool gun and power source.

Turntable Assembly

146236 Allows feeder to rotate as operator changes work position. Reduces strain and bending of gun cable.

Wire Straightener

For 20 Series and 70 Series.

141580 For .035–.045 inch (0.9–1.1 mm) wire.
141581 For 1/16–1/8 inch (1.6–3.2 mm) wire.

Design the perfect MIG guns for all your welds!

Improve welding productivity by choosing the neck length and angle, handle shape and trigger style that allows welders to comfortably and efficiently reach all your welds.

Plus, longer gun life and shared parts and consumables will help to simplify inventory and minimize costs across your shop.

For additional information, please contact your local welding distributor.

To request a catalog, please call or complete our online request form.