Voltage-Sensing Wire Feeder

**Quick Specs**

<table>
<thead>
<tr>
<th>Industrial Applications</th>
<th>Processes</th>
<th>Input Power</th>
<th>Wire Feed Speed</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipbuilding</td>
<td>MIG (GMAW)</td>
<td>14–48 VDC operating voltage</td>
<td>50–780 ipm (1.3–19.8 m/min.)</td>
<td>8VS: 28 lb. (13 kg)</td>
</tr>
<tr>
<td>Construction</td>
<td>Flux-cored (FCAW)</td>
<td>110 VDC maximum OCV</td>
<td></td>
<td>12VS: 35 lb. (15.9 kg)</td>
</tr>
<tr>
<td>Heavy manufacturing</td>
<td>Pulsed MIG (GMAW-P)</td>
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<tr>
<td>Rental</td>
<td></td>
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</tbody>
</table>

**Portable wire feeding at its best**

Voltage-sensing, portable feeders designed to run off of arc voltage from almost any welding power source, provide extreme reliability for construction and fabrication.

SuitCase® X-TREME™ 8VS with optional meters

SuitCase® X-TREME™ 12VS

Wire feeder is warranted for three years, parts and labor.

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**Built to last in harsh industrial environments**

**Integrated tachometer improves weld quality**

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**Portable wire feeding at its best**

Voltage-sensing, portable feeders designed to run off of arc voltage from almost any welding power source, provide extreme reliability for construction and fabrication.
Ultra-low drag inlet guide pins make loading the wire easy and do not deform the wire on the way into the drive rolls. Simply thread the wire through the pins and into drive rolls. There are two ways to advance the wire through the drive roll and into the gun. Either open the pressure arm and thread the wire into the grooves in the drive roll and on into the gun inlet or place the wire between the pins and use the jog/purge switch to advance the wire through the drive roll.

Scaled wire pressure knob provides easy adjustment and consistent pressure on the drive rolls and wire. Wire drive and motor assembly is specifically designed for mobile welding applications to provide smooth and consistent wire delivery. Improved motor torque and drive roll system are designed to feed small-diameter solid wire (.023 inch) to large-diameter cored wire (5/64 inch).

Electronic wire feed speed control with integrated tachometer ensures wire feed speed accuracy and consistency that rivals the best benchtop feeders — making it easier to produce quality welds.

Potted and trayed main printed circuit board for the harshest environments adds exceptional reliability. Board has full-trigger isolation so a shorted gun trigger will not affect feeder operation.

Digital meters with SunVision™ technology can display voltage and wire speed, and also amperage if desired. Meters can be seen clearly even in direct sunlight. (8VS: Meters optional).

Front panel has trigger hold, wire jog, and gas purge all located on front panel.

Polypropylene case with built-in slide rails and the ability to open the door to change wire with feeder in vertical position.

Wire speed dual schedule reduces wire speed to 87.5 percent of standard speed. Requires a dual schedule gun or dual schedule switch (sold separately).

Gun locking tab works with guns having corresponding locking grooves to prevent gun from being pulled out if the feeder is dragged by the gun.

Gas inlet recessed into back of case is protected from incidental contact by the weld cable, ensuring consistent and contaminant-free shielding gas delivery to the gun. Double-filtered gas valve helps keep dirt from clogging and affecting gas flow.
### Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Welding Type</th>
<th>Input Power</th>
<th>Welding Circuit Rating</th>
<th>Wire Speed</th>
<th>Electrode Wire Diameter Capacity</th>
<th>Max. Spool Size Capacity</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8VS</td>
<td>CC or CV DC power sources</td>
<td>Operates on open-circuit voltage and arc voltage: 14–48 VDC/110 max OCV</td>
<td>330 A at 60% duty cycle</td>
<td>50–780 ipm (1.3–19.8 m/min.)</td>
<td>Solid Wire: .023–.052 in. (0.6–1.4 mm)</td>
<td>8 in. (203 mm)</td>
<td>H: 12.75 in. (324 mm)</td>
<td>28 lb. (13 kg)</td>
</tr>
<tr>
<td>12VS</td>
<td>AC type not recommended</td>
<td>Operates on open-circuit voltage and arc voltage: 14–48 VDC/110 max OCV</td>
<td>425 A at 60% duty cycle</td>
<td>dependent on arc voltage.</td>
<td>Flux-cored: .030–.064 in. (0.8–2.0 mm)</td>
<td>12 in. (305 mm)</td>
<td>W: 7.25 in. (184 mm)</td>
<td>35 lb. (15.9 kg)</td>
</tr>
</tbody>
</table>

### Control Panel

**SuitCase X-TREME 8VS**

1. Wire Speed Control
2. Trigger Hold Switch
3. Voltmeter (Optional)
4. Wire Speed/Ampereage Meter (Optional)
5. Jog/Purge Switch
6. Power Control Switch

**SuitCase X-TREME 12VS**

1. Jog/Purge Switch
2. Voltmeter
3. Wire Speed/Ampereage Meter
4. Wire Speed Control
5. Trigger Hold Switch
6. Power Control Switch
### Drive Rolls
(Two required. Order from Miller Service Parts.)

Select drive rolls from chart below according to type and wire size being used. Wire inlet guide comes installed on this wire feeder.

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>&quot;V&quot; groove for hard wire</th>
<th>&quot;U&quot; groove for soft wire or soft-shelled cored wires</th>
<th>&quot;V&quot; knurled for hard-shelled cored wires</th>
<th>&quot;U&quot; cogged for extremely soft wire or soft-shelled cored wires (i.e., hard facing types)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.023/.025 in. (0.6 mm)</td>
<td>087130</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>.030 in. (0.8 mm)</td>
<td>053695</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>.035 in. (0.9 mm)</td>
<td>053700</td>
<td>072000</td>
<td>132958</td>
<td>—</td>
</tr>
<tr>
<td>.040 in. (1.0 mm)</td>
<td>053696</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>.045 in. (1.1/1.2 mm)</td>
<td>053697</td>
<td>053701</td>
<td>132957</td>
<td>—</td>
</tr>
<tr>
<td>.052 in. (1.3/1.4 mm)</td>
<td>053698</td>
<td>053702</td>
<td>132956</td>
<td>083489</td>
</tr>
<tr>
<td>1/16 in. (1.6 mm)</td>
<td>053699</td>
<td>053706</td>
<td>132955</td>
<td>—</td>
</tr>
<tr>
<td>.068/.072 in. (1.8 mm)</td>
<td>—</td>
<td>—</td>
<td>132959</td>
<td>—</td>
</tr>
<tr>
<td>5/64 in. (2.0 mm)</td>
<td>—</td>
<td>—</td>
<td>053704</td>
<td>132960</td>
</tr>
<tr>
<td></td>
<td></td>
<td>053710</td>
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</table>

### Ordering Information

<table>
<thead>
<tr>
<th>Equipment and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SuitCase® X-TREME™ 8VS</td>
<td>951582</td>
<td>With Bernard™ BTB Gun 300 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>951583</td>
<td>With Bernard™ BTB Gun 300 A (without meters)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SuitCase® X-TREME™ 12VS</td>
<td>951543</td>
<td>With Bernard™ BTB Gun 300 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>951544</td>
<td>With Bernard™ Dura-Flux™ gun</td>
<td></td>
<td></td>
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<tr>
<td>Flowmeter Kit</td>
<td>300343</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Inline Filter</td>
<td>195189</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spool Adapter</td>
<td>047141</td>
<td>For 14 lb. spools</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Dual Schedule Switch DSS-9-15 | 071833 | Dura-Flux gun with built-in dual schedule switch. See Bernard literature SP-DFPX
| International Gun Adapter | 164902  | Adapter is required to connect SuitCase X-TREME to a Euro-style gun |
| Guns                  |           |                                                     |      |       |
| Bernard™ BTB Gun 300 A (GMAW) | See Bernard literature SP-BTB |
| Bernard™ Dura-Flux™ (FCAW) | See Bernard literature SP-DF |
| Bernard™ PipePro™ Dura-Flux™ (FCAW) | Dura-Flux gun with built-in dual schedule switch. See Bernard literature SP-DFPX |
| Power Sources         |           |                                                     |      |       |
| XMT® 350 Series and 450 Series | See literature DC/18.93 and DC/18.94 |
| Dimension™ Series     |           | See literature DC/19.2                              |      |       |
| Gold Star™ Series     |           | See literature DC/8.1                               |      |       |
| Big Blue® 400 Pro and 400 PipePro™ | See literature ED/5.7 and ED/5.8 |
| Big Blue® 500 Pro     |           | See literature ED/11.0                              |      |       |
| Big Blue® 600 Series  |           | See literature ED/11.5                              |      |       |
| Big Blue® 800 Series  |           | See literature ED/14.0                              |      |       |
| Bobcat™ Series        |           | See literature ED/4.4                               |      |       |
| Trailblazer® Series   |           | See literature ED/4.75, ED/4.76 and ED/4.8          |      |       |
| Consumables           |           |                                                     |      |       |
| Drive Rolls           |           |                                                     |      |       |
| Wire                  |           |                                                     |      |       |

Date: Total Quoted Price:

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