

# SuitCase™ 8RC and 12RC

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Wire Feeder with Remote Control



## Quick Specs

### Industrial Applications

Shipbuilding  
Construction  
Heavy Manufacturing  
Rental

### Processes

MIG (GMAW)  
Flux Cored (FCAW)

**Input Power** 24 VAC, 7 A/10 A

**Weight** 8RC: 22.0 lb (9.9 kg)  
12RC: 25.5 lb (11.6 kg)

## The Power of Blue.®



Remote voltage control — standard.

Standard gas solenoid controlling gas flow.

Totally enclosed, impact-resistant, flame-retardant case provides strength and durability, protecting components and weld wire from moisture, dust and contaminants.

Component assembly is easily removed for servicing.

Quick-change drive rolls are easy to change — no tools required.



Drive roll accessibility makes it easy to install wire, adjust tension and change drive rolls.

Versatile feeders can run wire diameters up to 5/64 in (2.0 mm).

Gas purge purges gas line without feeding wire, or energizing weld wire with OCV.

Thermal overload protection protects motor and control circuit against possible damage due to overloading conditions, or loose cable connections.

Digital meter option available for wirefeed speed or voltage display.

## Specifications (Subject to change without notice.)



(Use with CC/CV, DC Power Sources.)

| Model | Input Power            | Welding Power Source Type | Input Welding Circuit Rating | Electrode Wire Diameter Capacity   | Maximum Spool Size Capacity           | Wire Speed                  | Dimensions   | Net Weight        |
|-------|------------------------|---------------------------|------------------------------|--|---------------------------------------|-----------------------------|--|-------------------|
| 8RC   | 24 VAC, 7 A, 50/60 Hz  | Constant Voltage (CV)     | 500 A at 100% Duty Cycle     | Solid Wire: .023–5/64 in (0.6–2.0 mm)<br>Flux Cored: .030–5/64 in (0.8–2.0 mm) | 8 in (203 mm)<br>14 lb (6.4 kg)       | 75–700 IPM (1.9–17.7 m/min) | H: 14-1/2 in (368 mm)<br>W: 6-1/2 in (165 mm)<br>D: 15-5/8 in (397 mm) | 22 lb (9.9 kg)    |
| 12RC  | 24 VAC, 10 A, 50/60 Hz |                           |                              | Solid Wire: .023–5/64 in (0.6–2.0 mm)<br>Flux Cored: .030–5/64 in (0.8–2.0 mm) | 12 in (305 mm)<br>Up to 44 lb (20 kg) |                             | H: 16 in (406 mm)<br>W: 7-1/4 in (184 mm)<br>D: 20 in (508 mm)         | 25.5 lb (11.6 kg) |



Wire feeder is warranted for 3 years, parts and labor.

MADE IN USA  
APPLETON, WI



**Miller Electric Mfg. Co.**  
An Illinois Tool Works Company  
1635 West Spencer Street  
Appleton, WI 54914 USA

**International Headquarters**  
Phone: 920-735-4505  
USA FAX: 920-735-4134  
Canadian FAX: 920-735-4169  
International FAX: 920-735-4125

**Web Site**  
www.MillerWelds.com

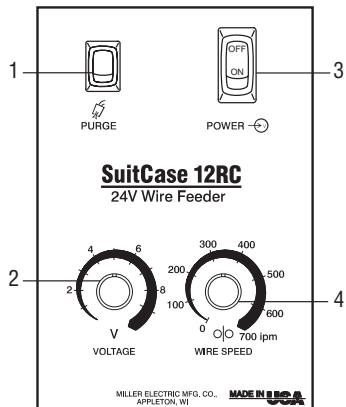
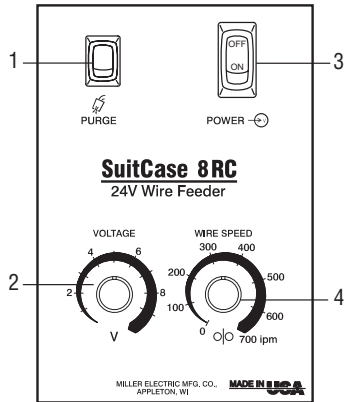


# Drive Roll Kits (1 kit required, order from Miller Service Parts.)

Select drive roll kits from chart below according to type and wire size being used. Drive roll kits include 2 drive rolls, the necessary guides and feature an anti-wear sleeve for inlet guide.

| Wire size             | "V" groove for hard wire | "U" groove for soft wire or soft-shelled cored wires | "V" knurled for hard-shelled cored wires | "U" cogged for extremely soft wire or soft-shelled cored wires (i.e., hard facing types) |
|-----------------------|--------------------------|--|--|--|
| .023/.025 in (0.6 mm) | #087 131                 | —  | —  | —  |
| .030 in (0.8 mm)      | #079 594                 | —  | —  | —  |
| .035 in (0.9 mm)      | #079 595                 | #044 749   | #079 606                                 | —  |
| .040 in (1.0 mm)      | #161 189                 | —  | —  | —  |
| .045 in (1.1/1.2 mm)  | #079 596                 | #079 599   | #079 607                                 | #083 318   |
| .052 in (1.3/1.4 mm)  | #079 597                 | #079 600   | #079 608                                 | #083 317   |
| 1/16 in (1.6 mm)      | #079 598                 | #079 601   | #079 609                                 | #079 614   |
| .068/.072 in (1.8 mm) | —                        | —  | #089 984                                 | —  |
| 5/64 in (2.0 mm)      | —                        | #079 602   | #079 610                                 | #079 615   |

## Control Panels



1. Purge Switch
2. Voltage Control
3. Power Control Switch
4. Wire Speed Control

## Ordering Information

| Power Source and Options                                   | Stock No.     | Description   | Qty. | Price |
|--|---------------|---|------|-------|
| <b>SuitCase™ 8RC</b><br>(Remote Extension Cord required.)  | #194 938      | With remote voltage   |      |       |
|  | #194 938-01-1 | With meters, remote voltage, and trigger hold   |      |       |
|  | #194 938-03-1 | With CE, meters, remote voltage, and trigger hold   |      |       |
| Meter Kit  | #195 165      | Field. For SuitCase 8RC   |      |       |
| <b>SuitCase™ 12RC</b><br>(Remote Extension Cord required.) | #194 940      | With remote voltage   |      |       |
|  | #194 940-01-1 | With meters, remote voltage, and trigger hold   |      |       |
|  | #194 940-03-1 | With CE, meters, remote voltage, and trigger hold   |      |       |
| Meter Kit  | #195 169      | Field. For SuitCase 12RC  |      |       |
| <b>Accessories</b>   |               |   |      |       |
| Remote Extension Cords<br>(One required.)                  | #122 973      | 25 ft (7.6 m)   |      |       |
|  | #122 974      | 50 ft (15.2 m)  |      |       |
|  | #122 975      | 75 ft (22.9 m)  |      |       |
| Volt/Current Sensor Kit                                    | #195 194      | Field. For both SuitCase 8RC and 12RC. Required for digital meter operation with power sources not having pins F and H in the 14-pin receptacle. (PipePro 304 is the only Miller engine drive with pins F and H.) |      |       |
| Flowmeter Kit  | #195 217      | Field. For both SuitCase 8RC and 12RC   |      |       |
| Shielding Gas Filter                                       | #195 189      | Field. For both SuitCase 8RC and 12RC   |      |       |
| <b>Guns</b>  |               |   |      |       |
| Ironmate™ 1260   |               | Flux cored (FCAW) gun. See Lit. Index No. AY/16.0   |      |       |
| Roughneck® C-Series  |               | MIG (GMAW) gun. See Lit. Index No. AY/17.0  |      |       |
| <b>Power Sources</b>                                       |               |   |      |       |
| XMT® 304   |               | See Lit. Index No. DC/18.8  |      |       |
| Dimension™   |               | See Lit. Index No. DC/19.2  |      |       |
| Invision™ MP   |               | See Lit. Index No. DC/23  |      |       |
| Mark VI™   |               | See Lit. Index No. DC/9.8   |      |       |
| Big Blue® 600D   |               | See Lit. Index No. DC/10.3  |      |       |
| Big Blue® 402  |               | See Lit. Index No. DC/10.8  |      |       |
| Big Blue® Air Pak™   |               | See Lit. Index No. DC/10.5  |      |       |
| PipePro™   |               | See Lit. Index No. ED/10.6  |      |       |
| Trailblazer®   |               | See Lit. Index No. DC/4.5   |      |       |
| <b>Consumables</b>   |               |   |      |       |
| Drive Rolls/Wire   |               |   |      |       |

Date:

Total Quoted Price:

Distributed by:

