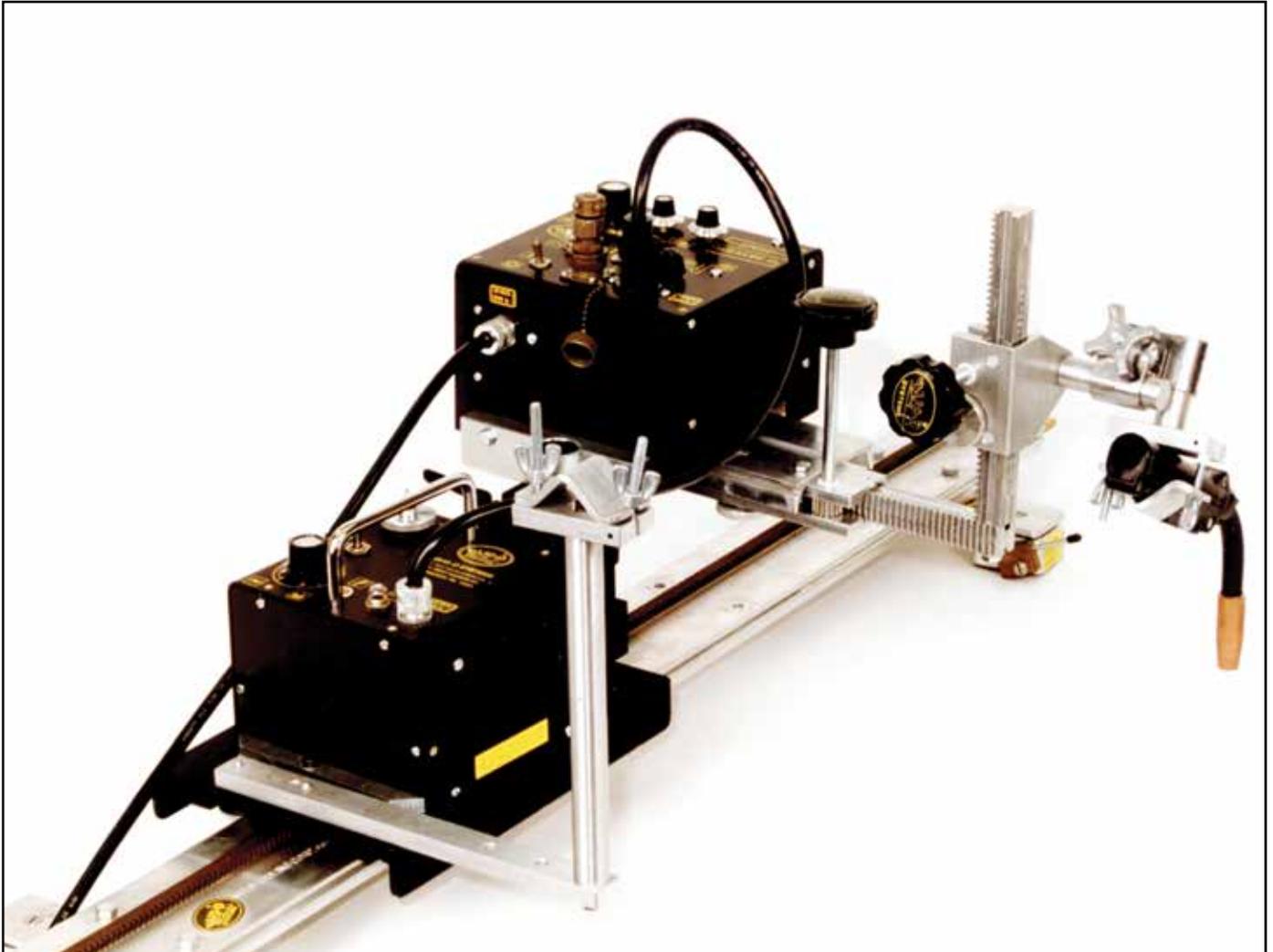
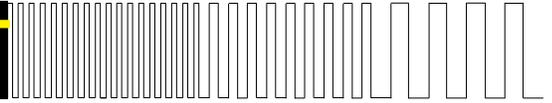


Operator Controlled  
Mechanization

## DC SPEED WEAVING KIT



The **DC SPEED WEAVING KIT** combines a **DC-IV** drive unit and a **Speed Weaver II** for those straight line welding applications that require oscillation. Rack and pinion drive along with heavy duty rigid rail and magnets make all-position operation possible. The weaver is normally mounted to the carriage. A swivel mount is also provided for mounting the weaver so that it can swivel around 2 axis (see photo). This enables the kit to perform fillet welds.

Bug-O Systems is committed to empowering our customers by providing operator controlled mechanized solutions for their welding, cutting and custom applications.



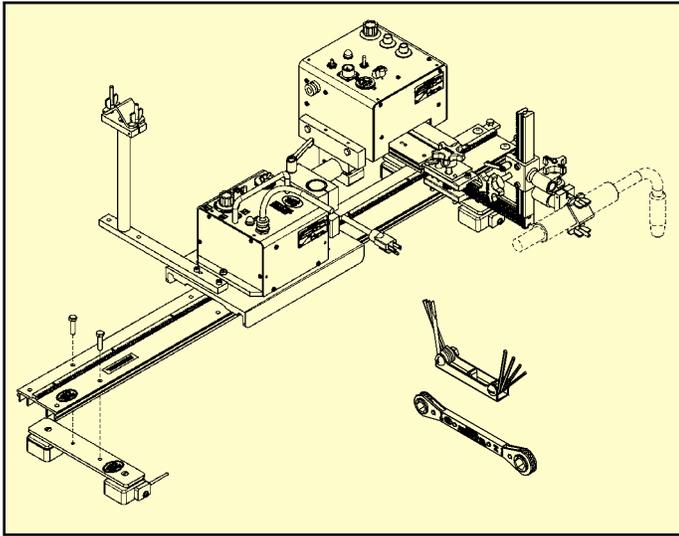
**BUG-O SYSTEMS**  
A DIVISION OF WELD TOOLING CORPORATION



280 TECHNOLOGY DRIVE CANONSBURG, PENNSYLVANIA 15317-9564 USA  
PHONE: 1-412-331-1776 <http://www.bugo.com> FAX: 1-412-331-0383



# DC SPEED WEAVING KIT



## Technical Data:

### Specifications

<b>Power Requirements:</b>	BUG-1916	120 VAC/50-60/1
	BUG-1917	240 VAC/50-60/1
	BUG-1918	42 VAC/50-60/1

**Travel Speed:** 1.5-30 ipm (38-780 mm/min)

**Load Capacity:** 30 lbs. (14 kg.) VERTICAL  
100 lbs. (45 kg.) HORIZONTAL

**Net Weight Of Kit:** 91 lbs. (41.5 kg.)

**Shipping Weight Of Kit:** 101 lbs. (46 kg.)

**BUG-1916** DC SPEED WEAVING KIT  
(120/50-60/1)

#### Includes:

- 1 **BUG-0343** BUG-O DC-IV  
1.5-30 ipm (38-750 mm/min)
- 1 **BUG-9444** Tool Kit

#### Includes:

- 1 **BUG-5300** SPEED WEAVER II
- 1 **BUG-5195** Weaver Swivel Mount
- 1 **BUG-2975** Cable Mounting Assembly
- 1 **ARR-1080** H.D. Rigid Rail 93-1/2" (2.37 m)
- 1 **ARR-1085** H.D. Rigid Rail 46-1/2" (1.18 m)
- 5 **ARM-2325** Magnet Bar, Swivel w/Release

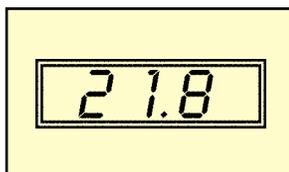
**BUG-1917** Same as above except with:  
**BUG-0443** 240 VAC BUG-O DC IV  
**BUG-5302** 240 VAC SPEED WEAVER II

**BUG-1918** Same as above except with:  
**BUG-0543** 42 VAC BUG-O DC IV  
**BUG-5304** 42 VAC SPEED WEAVER II

#### Factory Installed Options:

##### BUG-1764

Digital readout. Displays speed of machine in inches/minutes (cm/m for 42 VAC and 240 VAC).



## Weld Patterns:

**1. RUN:** In this mode, power to the drive unit is always on, and the machine travels continuously both during weave and dwell. Weave speed and dwell time affect the weld pattern.

**2. STEP:** The unit travels only during dwell, and stops during the oscillator cross stroke. Changing weave speed does not affect the weld pattern—dwell time does.

**3. TRACTOR STOP ON DWELL:** The tractor travels during weave stroke; tractor and oscillator stop during dwell.

**4. NO WEAVE:** In this mode oscillation is stopped and powers the tractor only for stringer passes.

