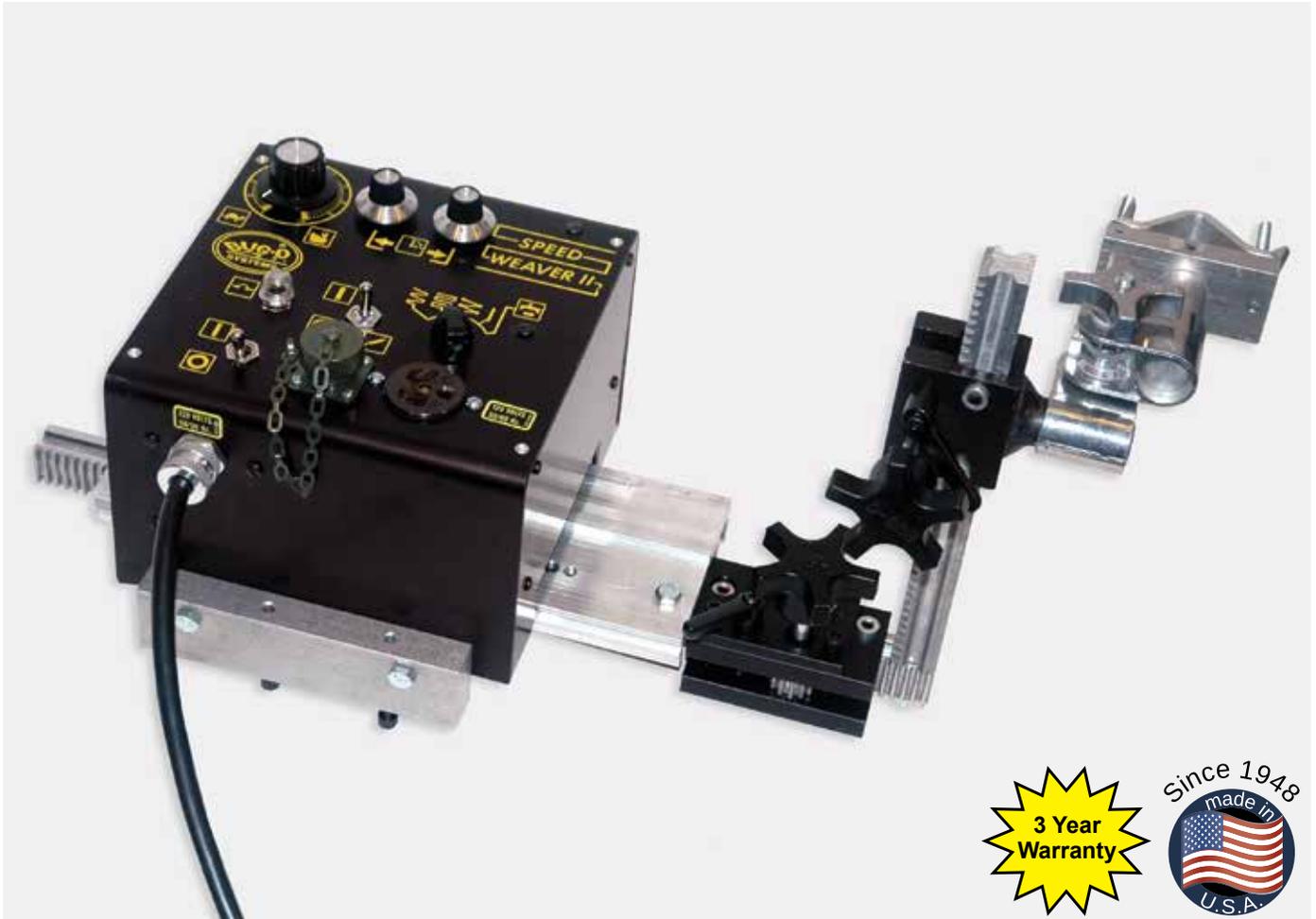




Make Precision Weave Welds Quickly, Easily and Economically!

The Speed Weaver II is a compact, precision, all-position machine, designed for maximum versatility in oscillation. Its solid-state controls with graduated dials provide adjustable and readily repeatable control of critical weld parameters.



The Speed Weaver II is designed to be a Stand Alone Linear Weaver that can be used for multiple purposes. The Speed Weaver can be mounted directly to a motorized carriage; for example: BUG-O SYSTEMS model DC-IV, or it can be mounted using the special weaver mount as shown in this brochure. This unit can also be mounted to any type of Fixture where oscillation is required.

PATENTS WORLDWIDE

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



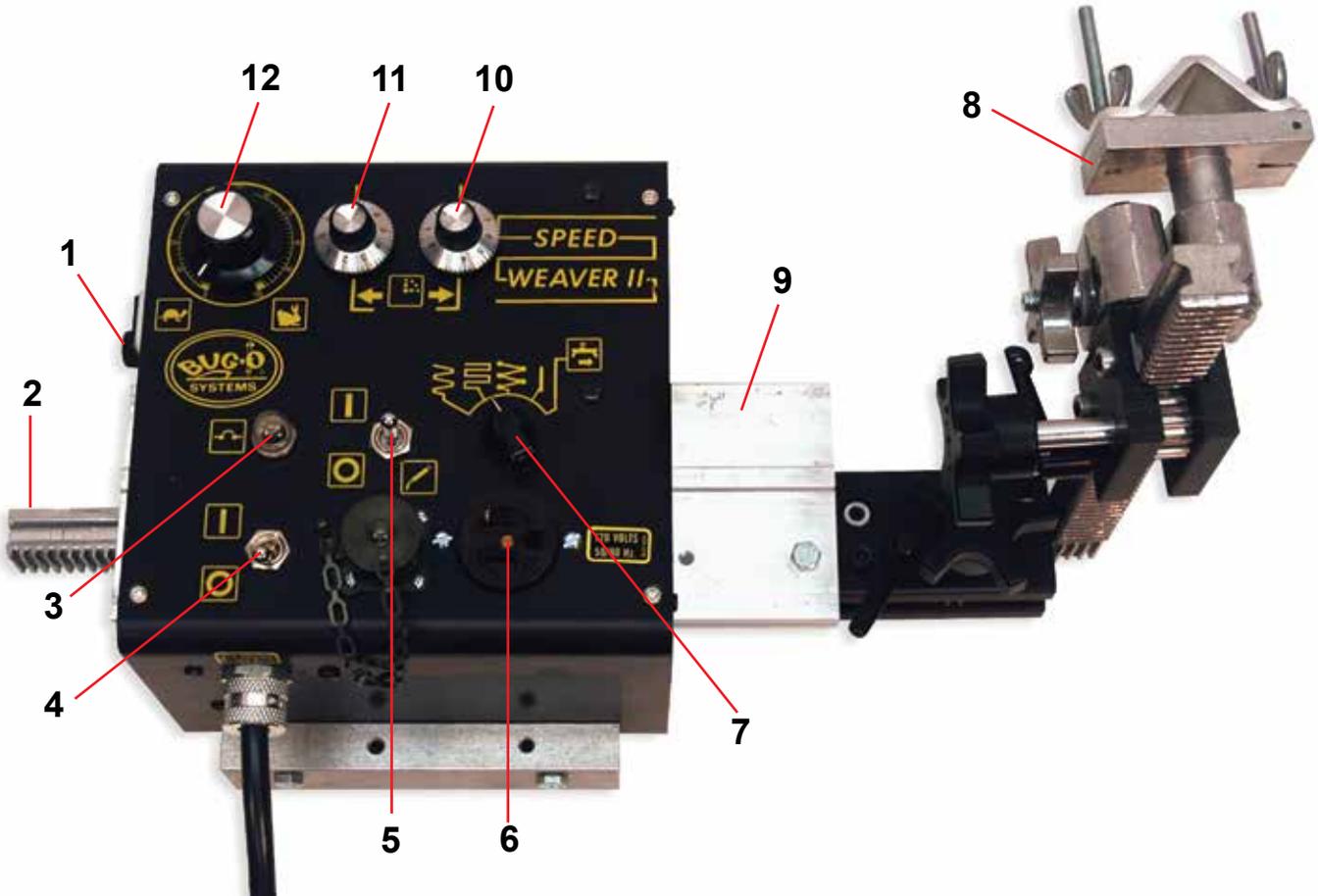
280 TECHNOLOGY DRIVE CANONSBURG, PENNSYLVANIA 15317-9564 USA
PHONE: 412-331-1776 <http://www.bugo.com> FAX: 412-331-0383



SPEED WEAVER II

The **SPEED WEAVER II** with solid-state design eliminates relays and limit switches. Integrated circuits control all functions and the **SPEED WEAVER II** extends the usefulness of

weave welding by ensuring accurate control of amplitude and constant speed, up to 150 ipm (3800 mm/min).



Controls:

- | | | |
|--------------------|-------------------------------------|-------------------------|
| 1. Stroke Width | 5. Weld Contactor Switch | 9. Crossrail |
| 2. Adjustable Rack | 6. AC Outlet | 10. Dwell Right |
| 3. Circuit Breaker | 7. Mode Selector Switch | 11. Dwell Left |
| 4. Power Switch | 8. All-Position Torch Support Group | 12. Weave Speed Control |

The unit provides infinitely variable speed control 6 to 150 ipm (150 to 3800 mm/min), weld contactor, power on-off, a circuit breaker and adjustable/lockable amplitude 0.125 to 2.0" (3 to 50 mm).

The speed control, dwell selectors and amplitude control are calibrated for quick and

easy set up. The **SPEED WEAVER II** housing is anodized black to reduce arc reflection.

The BUG-5300 **SPEED WEAVER II** mounts directly onto the various BUG-O carriages or any type of fixture.



SPEED WEAVER II

Technical Data:

Power

Requirement: BUG-5300 120VAC/50-60/1
 BUG-5302 240VAC/50-60/1
 BUG-5304 42VAC/50-60/1

Linear Speed: 6 to 150 ipm (150 to 3800 mm/min)

Dwell: 0 to 3 Seconds Each Side; Independent

Cycles Per Minute: Maximum; (Zero Dwell Left and Right)

Stroke: .125" (3 mm) | .25" (6 mm) | .5" (12 mm) | 1.0" (25 mm) | 2.0" (50 mm)

Cycles: 160 | 120 | 85 | 60 | 37

Cube

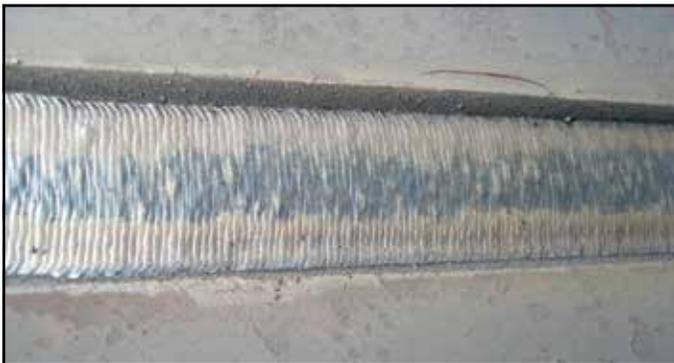
Dimensions: 8.5"L x 8.75"W x 6.5"H
 (216 mm x 222 mm x 160 mm)

Net Weight: 23 lbs. (10.5 kg)
 (Not including rail and torch mounting.)

Shipping

Weight: 25 lbs (11.4 kg)
 (Not including rail and torch mounting.)

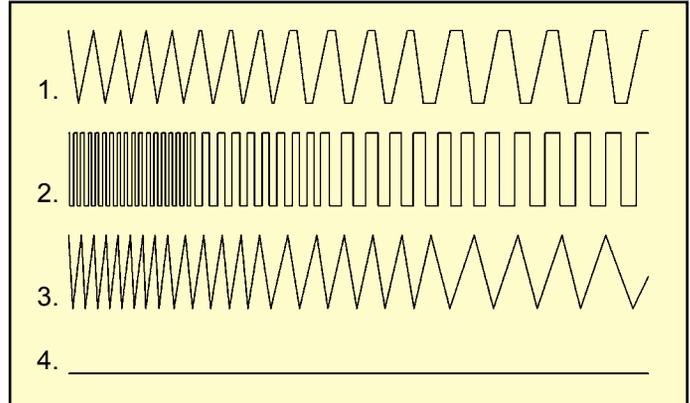
Dimensions: 19" x 11" x 11" (483 x 279 x 279 mm)



SAMPLE WELD

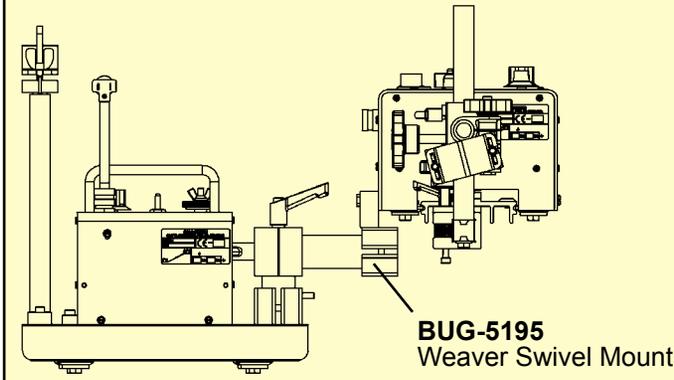
Weld Patterns:

A rotary mode selector switch allows you to choose the following patterns:

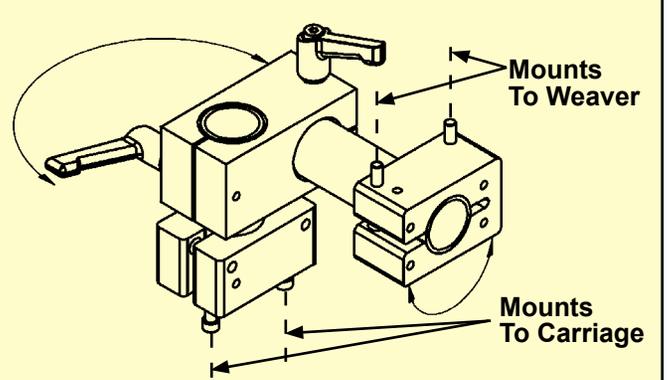


1. **RUN:**
 In this mode, power to the drive unit is always on and the machine travels continuously both during weave and dwell. Weave speed and dwell time both affect the weld pattern.
2. **STEP:**
 The unit travels only during dwell and stops during the oscillator cross stroke. Changing weave speed does not affect the weld pattern, changing dwell time or tractor speed 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.

BUG-5300 SPEED WEAVER II MOUNTED ON A BUG-O DC DRIVE

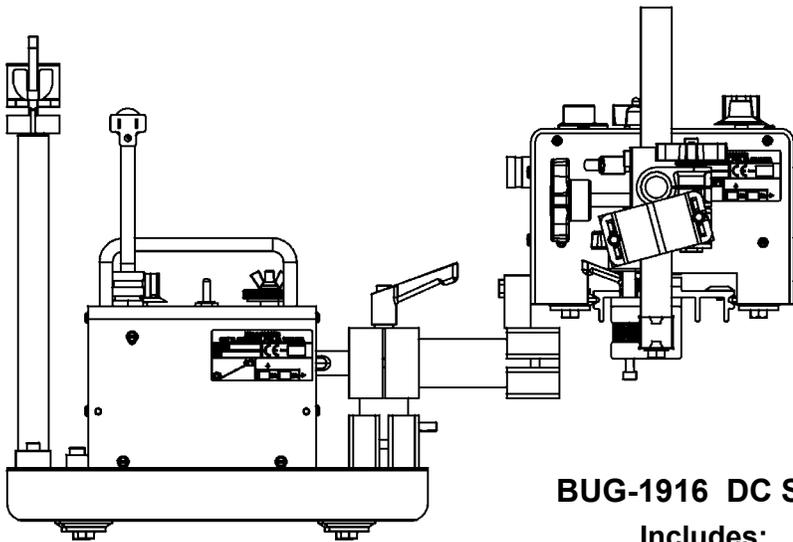
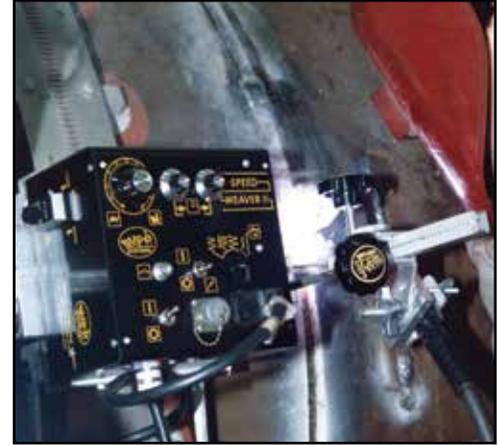


BUG-5195 WEAVER SWIVEL MOUNT FOR FILLET WELDS





SPEED WEAVER II



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-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 DC SPEED WEAVING KIT (240/50-60/1) BUG-1918 DC SPEED WEAVING KIT (42/50-60/1)

Net Weight of Kit: 91 lbs. (41.5 kg)
Shipping Weight of Kit: 101 lbs. (46 kg)