

# ARC TYPE STUD SYSTEMS – CONTROLLER w/GUN – STUD WELDING SYSTEM

## Burco ST-16 Drawn Arc Stud Welder Controller

(Requires a Welding DC Power Source)



### Weldable stud range 1/4" – 3/4"

- Allows connection of stud welding guns to most constant current (cc) welding power supplies.
- Drawn arc stud welding using ceramic ferrules.
- State-of-the-art microprocessor controls for reproducible welding results.
- Small and lightweight.
- Easily serviced.
- With dual voltage capacity: either 110 V or 230 V can be selected.

**BURCO ST-16 Timer/Controller Package, \*Complete Part # 50F21 \$5,295.00 EA**

**Includes:**

Controller unit	<b># 50F51</b>	<b>\$4,466.70 EA</b>
Stud Gun, Part	(see next page)	
Interconnect cable package # 45F60		<b>\$249.00 EA</b>

Input voltage	110 / 208 / 230 V, 1 phase
Maximum input current (DC)	1500 amps
Weldable stud range	1/4" 3/4" diameter
Time adjustment range	150-1500 MS
DC Voltage range	60-100
Dimensions	16" X 10" X 11.5"
Weight	35 lbs.

\*Ferrule Grips & Chuck not included

## Burco 802ELOTOP DRAWN ARC & Short Cycle Stud Welder



### 3/8" CAPACITY: – 1/2" PD-MAX.

- State-of-the-art stud welding power unit with fully controlled thyristor bridge; solid state current switching and timing
- Microcomputer controlled
- Eliminates separate controller packages
- Versatile with plenty of reserve power--cable lengths can be extended to over 100 ft.
- Harmonized static and dynamic properties provide excellent and consistent welding results
- Process variations:
  1. Stud welding with ceramic ferrule
  2. Short-cycle stud welding without ceramic ferrule. Requires Inert gas stud welding (optional)
- Small and lightweight for easy transport
- Self diagnosis (fault) circuits
- Safety switch off circuit
- One year warranty

Maximum output	800 AMP
Rated output (3% duty cycle)	750 amps
Input voltage	230V / 400V / 460V; 50 / 60 Hz
Recommended input fuse size	35 / 25 amps
Weldable stud range	Thin gauge to 1/2" diameter
Output current range	100-750 amps
Time adjustment range	10-120; 10-800MS
Dimensions:	20.5" L, 12.5" W, 13.8" H
Weight	109 lbs. (45 kg)

**BURCO 802ELOTOP Stud Welding Package, \*Complete Part # 42F08 Call for Price**  
**Includes:**

- Power control unit (800 amps) Part # 55F08 (Call for Price)
- K-22 Stud Gun w/16' cable leads Part # 42K22 (see next page for price)
- Cable package with 15' work cable and 2 clamps Part # 45F59 (see next page for price)

**Optional Accessories – (see next page for price)**

- Inert gas control kit Part # 41F68
- Extension gun cable assembly, 25' Part # 50F07
- A variety of other guns

\*Ferrule Grips & Chuck not included



K-22 Stud Gun

**Don't forget to order Ferrule Grips & Chucks specific for the size of stud to be welded. See Arc Stud Gun Consumables page.**