

## WELD-ONS (CUP HEAD)



| PART NUMBER | PRODUCT DESCRIPTION               | GRIP LENGTH |
|-------------|-----------------------------------|-------------|
| 308119      | 1 Pail w/ (5,000) 1/2" Weld-Ons   | .500"       |
| 308120      | 1 Pail w/ (5,000) 3/4" Weld-Ons   | .700"       |
| 308121      | 1 Pail w/ (5,000) 1" Weld-Ons     | .940"       |
| 308122      | 1 Pail w/ (3,000) 1 1/8" Weld-Ons | 1.125"      |
| 307099      | 1 Pail w/ (3,000) 1 1/2" Weld-Ons | 1.500"      |

## WELD-ONS (FLAT HEAD)



| PART NUMBER | PRODUCT DESCRIPTION               | GRIP LENGTH |
|-------------|-----------------------------------|-------------|
| 308141      | 1 Pail w/ (5,000) 1/2" Weld-Ons   | .500"       |
| 308142      | 1 Pail w/ (5,000) 3/4" Weld-Ons   | .700"       |
| 308143      | 1 Pail w/ (5,000) 1" Weld-Ons     | .940"       |
| 308144      | 1 Pail w/ (3,000) 1 1/8" Weld-Ons | 1.125"      |
| 307097      | 1 Pail w/ (3,000) 1 1/2" Weld-Ons | 1.500"      |
| 304973      | 1 Pail w/ (3,000) 2" Weld-Ons     | 2.00"       |

## OVERVIEW

Weld-Ons are manufactured with consistently sharp points to ensure positive contact when welded to sheet metal. Produced from carbon alloy steel, the point of the welding pin is hardened in a unique cold form process. This process hardens the points, giving them a steel temper that will not blunt or flatten when applied, unlike other welding pins. The sharper point of contact results in a better weld and creates fewer sparks that can ignite adhesives or burn substrates. Weld-Ons are easily applied using any conventional portable or automatic resistance welding unit. Cup style washers are designed to sufficiently depress the insulation surface without tearing it.

## PRODUCT TECHNICAL DATA

|                           |  |
|---------------------------|--|
| Temperature Range         | 32°F (0°C) to 250°F (121°C)                              |
| Intermittent Temperatures | 0°F (-17°C) to 500°F (260°C)                             |
| Surface Treatment         | Zinc plated/chromate dipped                              |
| Vibration Resistance      | Not affected by typical vibrations found in HVAC systems |

## FEATURES AND BENEFITS

- Immediate and permanent connection to metal substrate
- Offered in flat or cupped head style
- Surface treatment provides better welds
- Sharp point to easily pierce through most insulation substrates



## WELD-ONS PIN WELDER



| PART # | PRODUCT DESCRIPTION                 |
|--------|-------------------------------------|
| 304644 | 1 Solid State Resistance Pin Welder |
| 308796 | 1 Trigger Switch                    |
| 304645 | 1 Magnetic Replacement Tip          |

## FEATURES AND BENEFITS

- Fastens Weld-Ons to sheet metal
- Solid state timer and weld relay
- Heavy duty transformer unit
- Rugged 16 ga. case
- Weld-On lamp
- Super lightweight gun - 1.6 lbs.
- Heavy duty copper ground clamp
- Permanently connected cables
- Operates at 208–240 v., 30 amps.

## POWER PACK WITH TIMER

|                                      |  |
|--------------------------------------|--|
| Construction                         | 16 ga. (1.52 mm) Fabricated Steel Chassis  |
| Dimensions (Length x Width x Height) | 16" x 9 <sup>5</sup> / <sub>8</sub> " x 7 <sup>1</sup> / <sub>4</sub> " (406.4 mm x 244.5 mm x 184.2 mm) |
| Weight Including Gun & Cables        | 65 lbs. (29.5 kg)  |
| Input Voltage                        | 208-240 VAC, 60 Hz, 1 Phase, 30 Amps.  |
| Weld Voltage                         | 7.5 VAC Open Circuit   |
| Line Cord                            | 7' (2.13 m) of 12/3 cord, w/4 prong 30 Amp. Twist-Lock Plug  |
| Weldable Pin Diameter                | 9 ga. (3.76 mm) Cupped Head Resistance Weld Pin  |
| Weldable Base Metal Thickness        | 24 ga. (0.7 mm) and Lighter  |
| Weld Rate (Approximate)              | 12 Pins/Min.   |

## WELD GUN

|                                |   |
|--------------------------------|---|
| Type                           | Pistol Grip   |
| Weight (Less Cables)           | 1.6 lbs. (0.73 Kg)  |
| Dimensions (Length x Diameter) | 5 <sup>1</sup> / <sub>4</sub> " x 2" (133.4 mm x 50.8 mm) |
| Feed                           | Manual  |

## CABLES (PERMANENTLY CONNECTED TO WELDER)

|        |   |
|--------|---|
| Gun    | 10 <sup>1</sup> / <sub>2</sub> ' (3.2 m) 3/0 Weld Cable and 18-3 Control Cable                |
| Ground | 2 <sup>1</sup> / <sub>2</sub> ' (0.76 m) 4/0 Weld Cable, Terminating in a Spring Loaded Clamp |

## SHIPPING

|        |  |
|--------|--|
| Weight | 80 lbs. (36.4 kg)                          |
| Size   | 2.4 ft <sup>3</sup> (.068 m <sup>3</sup> ) |