

# Sunstone WH2125 Weld Heads

## Parallel Weld Heads



### Applications:

- Battery tab welding
- Battery pack manufacturing or rebuilding
- Prismatic NiCd battery assembly
- Welding applications with access from one side

### Features:

- Adjustable Force-Firing
- Pneumatic or Manual Actuation
- Built in Regulator
- Up and Down Stroke Velocity
- Quick Release Height Adjustment Lever
- Height Adjustment from 0-8"
- Weld Trigger Indicator Light

## The WH2 Weld Head

Sunstone's WH2 weld heads offer precision and repeatability at an affordable price. The WH2125 weld heads have 1/8" parallel set electrodes and are ideal for battery pack manufacturing and other applications requiring same-side welding. Once connected, these weld heads can be adjusted for your particular application. Each electrode's pressure can be individually adjusted to ensure a strong weld formation and control the weld nugget size. Head height can be adjusted from 0 to 8 inches.

Sunstone's weld heads are available with either pneumatic or manual operation. Pneumatic weld heads are compatible with any sized air compressor thanks to the built-in pressure regulator mounted to the side of the weld head. Once connected, the air pressure and head travel speed can be set to any preference. An electric foot pedal is included to actuate the weld head.

The manual versions are operated by a manual lowering of the weld head by means of a foot pedal and a chain connected through the work bench. The manual version weld heads have lower initial cost and are well suited for smaller production runs.

For applications requiring larger weld spot sizes, Sunstone's WH2250A accepts 1/4" electrodes. This model is only available as a pneumatic air-operated weld head.



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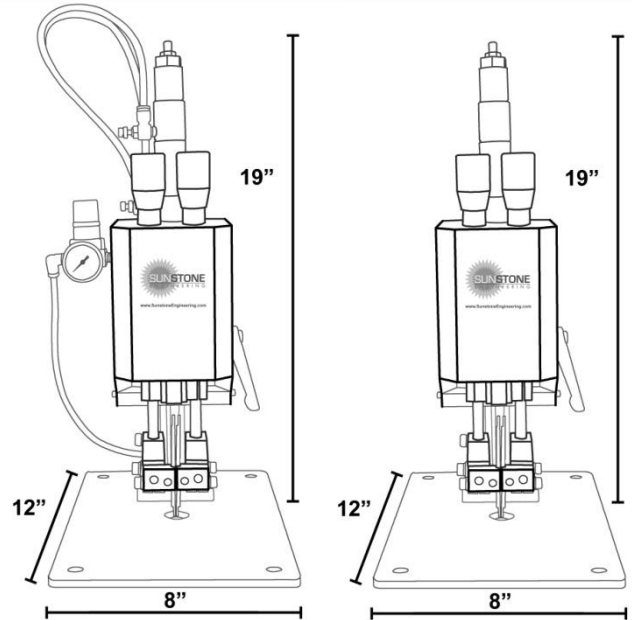
PRODUCT DATA SHEET

## Parallel Weld Heads



**Air**

**Manual**



### Specifications

Feature	Unit of Measure		
Model		Manual	Pneumatic
Actuation		Manual Pedal	Air
Weld Force - Standard (Springs)	lbs.	1.0 - 8.0	1.0 - 8.0
Weld Force - Heavy Duty (Springs)	lbs.	3.0 - 21.0	3.0 - 21.0
Max. Rating	Watt Seconds	630	630
Max. Electrode Stroke	Inches	1	1
Electrode Diameter	Inches	1/8", 3/16", 1/4" *	1/8", 3/16", 1/4" *
Electrode Configuration		Parallel	Parallel
Electrode Holder Type		Offset	Offset
Electrode Min/Max Gap	Inches	.05/1.5	.05/1.5
Max. Throat Size (HxD)	Inches	8 x 5	8 x 5
Weld Cable Size/Length	AWG/Inch	2/24	2/24
Foot Pedal Type		Manual Chain	AC, 3 Prong
Air Solenoid Voltage	VAC	None	110 or 220
Air Pressure For. Max. Force	PSI	N/A	60
Air Cylinder Inside Diam. Bore.	Inches	-	1-1/16"
Cycle Rate (Stroke)	Full (Inch)	1	1
Max. Dimensions (Including Pneumatics & Base Plate)	Height x Depth x Width (Inches)	19 x 12 x 8	19 x 12 x 8
Weight (Before Packing).	Lbs.	18	18

\*For Electrode Diameters, Specify When Ordering

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