

Sunstone Opposed Weld Heads

Manual and Air Actuated Weld Heads

Sunstone's WH1 weld heads offer precision and repeatability at an affordable price. The WH1125 weld heads have 1/8" opposed electrodes and are ideal for typical opposed resistance welding applications. Once connected, these weld heads can be adjusted for any specific application. The electrode pressure can be adjusted from 1-15 lb (at weld force) to ensure the ideal weld is formed. Weld head height can be adjusted from 0 to 8 inches.

The WH1 weld heads are available with either pneumatic or manual operation. Pneumatic weld heads are compatible with any sized air compressor. Once connected, the air pressure can be controlled with the tank regulator and the head travel speed can be set to any preference with the flow control valves. An electric foot pedal is included to actuate the weld head.

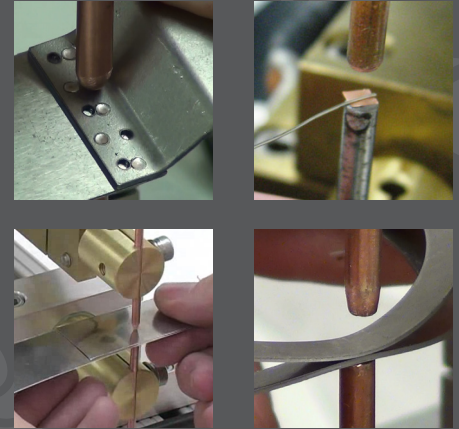


The manual version weld heads are manually operated by lowering the weld head electrodes by means of a foot pedal and a cable that travels through the work bench. For applications requiring larger weld spot sizes, Sunstone's WH1 Weld Heads accept 1/4" electrodes.

Features

- Adjustable Force-Firing
- Pneumatic or Manual Actuation
- adjustable up and down stroke velocity
- Quick Release Height Adjustment handles
- Height Adjustment from 0-8"

Applications



- Copper wire to relay leads or electrical terminals
- Electrical terminals to solid wire leads
- Prismatic battery assembly
- Opposed/ through weld applications



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Table 1: Weld Head Specifications.

Feature	Manual	Pneumatic (Air)
Weld Force	0 - 15 lbs	0 - 15 lbs
Max Electrode Stroke	1 in	1 in
Electrode Diameter	1/8 in	1/8 in
Electrode Diameter Upgrades	3/16, 1/4 in	3/16, 1/4 in
Electrode Configuration	Opposed	Opposed
Electrode Holder Type	In line	In line
Electrode Min/Max Gap	0-8"	0-8"
Max Throat Size (HxD)	7 x 7 in	7 x 7 in
Weld Cable Size/Length	1 AWG / 24 in	1 AWG / 24 in
Foot Pedal Type	Manual Cable	AC, 3 Prong
Air Pressure for Max Force	N/A	60-80 PSI
Air Cylinder Inside Diameter Bore	-	0.75 in
Cycle Rate (Stroke)	1 in	1 in
Dimensions	20 x 12 x 4.5	20 x 12 x 4.5
Weight (before packing)	25 lbs	25 lbs