



WH1125 Weld Heads

Opposed Weld Heads



Applications:

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

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 Ready Indicator Light

The WH1 Weld Head

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 weld head's electrodes pressure can be adjusted from 1-21 lbf to ensure the ideal weld is formed. 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 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 version weld heads are manually operated by lowering the weld head's electrodes by means of a foot pedal and a chain that travels through the work bench. The WH1125M weld heads have lower initial cost and are well suited for smaller production runs.

WH1 Weld Heads

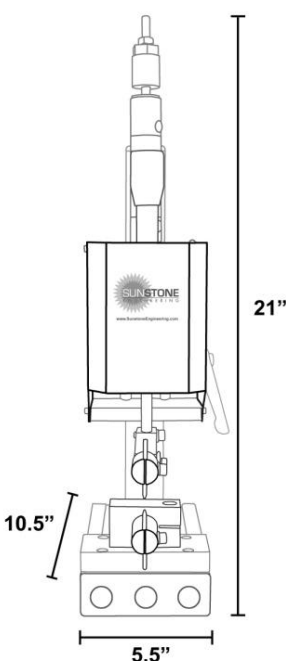
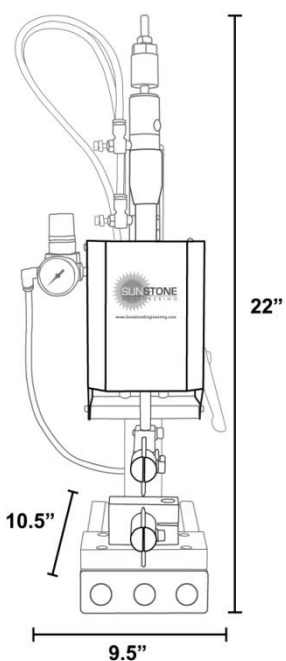
Opposed Weld Heads

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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-Sec.	600 or 1000	600 or 1000
Max. Electrode Stroke		1	1
Electrode Diameter	Inches	1/8" or 1/4"*	1/8" or 1/4"
Electrode Configuration		Opposed	Opposed
Electrode Min/Max Gap	Inches	Fully Adjustable	Fully Adjustable
Max. Throat Size (HxD)	Inches	8 x 5	8 x 6
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	-	60
Air Cylinder Inside Diam. Bore.	Inches	1-1/16"	1-1/16"
Cycle Rate. (Stroke)	Full (Inch)	1	1
Max. Dimensions (Including Pnuematics & Base Plate)	Height x Depth x Width (Inches)	21 x 10.5 x 5.5	22 x 10.5 x 9.5
Weight (Before Packing).	lbs.	21	21

*For Electrode Diameters, Specify When Ordering