

# MSW and LMSW Series

Portable Resistance Spot Welders 

## Quick Specs

### Light Industrial Applications

General manufacturing  
Fabrication  
Repair shops  
All-purpose maintenance

### Process

Resistance spot welding

### Input Power

**MSW:** 110 V, 1-phase power  
**LMSW:** 220 V, 1-phase power

**Rated Output** **MSW:** 1.5 kVA at 50% duty cycle  
**LMSW:** 2.5 kVA at 50% duty cycle

**Net Weight** **MSW-41:** 22 lb. (10 kg)  
**MSW-41T:** 34 lb. (15 kg)  
**LMSW-52:** 30 lb. (14 kg)  
**LMSW-52T:** 42 lb. (19 kg)

Lightweight, air-cooled units are portable, easy to operate, and provide a quick and effective means for spot welding mild, galvanized or stainless materials. (Not recommended for aluminum or copper alloys.) They are an excellent choice for maintenance work and for spot welding applications that require portability and lower amperage welding.

**MSW models** weld up to 1/8 inch (3.2 mm) total material thickness or two pieces of 20 gauge (1.8 mm) galvanized metal.

**LMSW models** weld up to 3/16 inch (4.8 mm) total material thickness or two pieces of 16 gauge (3 mm) galvanized metal.

**“T” models** include a timer panel with a 0 to 5-second weld timer and power switch, and come with 10-foot (3 m) input power and interconnecting cords. The timer panel can be mounted on the optional SWP-2 pedestal or any other convenient location.



**Accommodates a wide variety of tongs and tips** (order separately).

**Hand lever locks tongs** firmly on material, ensures positive, accurate fit-up.

**Quick and easy adjustment** for material thickness.

**Reversible** for left- or right-hand operation.

## Specifications (Subject to change without notice.)

**1**  
Phase

Model	Input Power	Work Capacity (Combined thickness uncoated mild steel using 6 in. [152 mm] tongs)	Rated Output	Rated Output Calibrated with Standard-type tongs			Max. Open-Circuit Voltage	Dimensions	Net Weight
				6 in. (152 mm)	12 in. (305 mm)	18 in. (457 mm)			
<b>MSW-41</b>	110 V, 30 A, 50/60 Hz	1/8 in. (3.2 mm) or two pieces of 20 ga. (1.8 mm) galvanized steel	1.5 kVA at 50% duty cycle	5,550 A	4,500 A	3,600 A	1.6 VAC	H: 6 in. (152 mm)	22 lb. (10 kg)
<b>MSW-41T</b>								W: 3.25 in. (83 mm)	34 lb. (15 kg)
<b>LMSW-52</b>	220 V, 30 A, 50/60 Hz	3/16 in. (4.7 mm) or two pieces of 16 ga. (3 mm) galvanized steel	2.5 kVA at 50% duty cycle	6,750 A	5,800 A	4,850 A	2.5 VAC	H: 6 in. (152 mm)	30 lb. (14 kg)
<b>LMSW-52T</b>								W: 3.25 in. (83 mm)	42 lb. (19 kg)
								D: 13 in. (330 mm)	
								D: 16 in. (406 mm)	

 Certified by Canadian Standards Association to both the Canadian and U.S. Standards.



Warranted for one year, parts and labor.



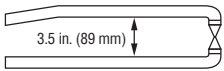


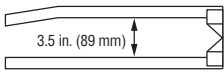

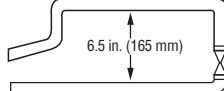


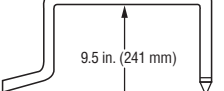


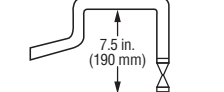


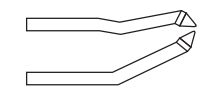



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## Tongs and Tips (Must be ordered separately from spot welders.)

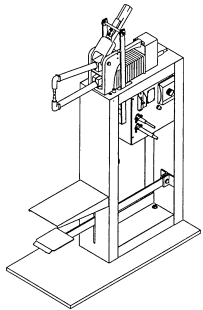
Tongs			Tips		
	Standard 6 in. (152 mm) 12 in. (305 mm) 18 in. (457 mm)	(#040 197)* (#040 198) (#040 199)	Standard (#040 211)	Flat (#040 212)	 
	MO Offset 6 in. (152 mm) 12 in. (305 mm) 18 in. (457 mm)	(#040 200)* (#040 201) (#040 202)	MO Offset (#040 215)		
	TT-6 12 in. (305 mm) 18 in. (457 mm)	(#040 203) (#040 204)	Standard (#040 211)	Flat (#040 212)	 
	TT-9 12 in. (305 mm) 18 in. (457 mm)	(#040 205) (#040 206)	Standard (#040 211)	Flat (#040 212)	 
	G-7 8 in. (203 mm)	(#040 207)	Standard (#040 211)	Flat (#040 212)	 
	FF 8 in. (203 mm)	(#040 208)	FF (#040 213)		
	FH 5 in. (127 mm)	(#040 209)	FH (#040 214)		

**Notes:**

- One set of tips is supplied with each set of tongs.
- Maximum welding capabilities are obtained with minimum tong length.
- Tips are made of RWMA Class 2 alloy.

\*Tongs #040 197 and #040 200 are both straight.

## Genuine Miller® Options and Accessories



### SWP-2 Spot Welder Pedestal #040 872

Leaves hands free to handle the work. When foot control is depressed, tongs close and start switch is activated.

*Note: Shown with spot welder and optional timer installed.*



### Tip Dresser #040 228

For use with pointed tips.



### Gyro Bail #041 979

Supports weight of welder. Operates with boom and counterweight or from spring-loaded cable. Spot welds in any position.

## Ordering Information

Power Source	Stock No.	Description	Qty.	Price
MSW-41	#900 371	110 V, 50/60 Hz		
MSW-41T	#901 345	110 V, 50/60 Hz with timer panel		
LMSW-52	#900 377	220 V, 50/60 Hz		
LMSW-52T	#901 357	220 V, 50/60 Hz with timer panel		

*Note: Tongs and tips are not included.*

Date: \_\_\_\_\_ Total Quoted Price: \_\_\_\_\_

Distributed by: \_\_\_\_\_

