

Stickmate® 160

DC Stick (SMAW) Welding Power Source



298022
October 2024



NEW!

500585

Quick Specs

Welding Amp Range

10–80 A (120 V)
10–160 A (240 V)

Maximum Mild Steel Thickness

1/8 in. (120 V)
3/8 in. (240 V)



5/3/1
INDUSTRIAL
WARRANTY

Dual power and fine adjustment. Welds where you need it.

The Stickmate 160 operates on either 120- or 240-volt power. No tools necessary to switch voltages — just use the included adapter.

Simple user interface with a single knob and digital display keeps the distraction out of welding. Use of DC output for stick welding means fewer arc outages, less sticking, less spatter and better arc control.

Unit weighs less than 11 pounds, meaning you can work smarter — not harder — by bringing the welder to the work. Its portability makes it easier to carry and store. A wide amperage range provides easy adjustment for different materials and thicknesses.

Applications

- DIY
- Metal art
- Farm/ranch
- Maintenance/repair

Includes

- 10 ft. (3 m) electrode cable with heavy-duty holder
- 10 ft. (3 m) work cable with clamp
- 6.5 ft. (2 m) power cord with adapter for 120 V and 240 V

Features		Benefits								
Simple user interface		Digital display and single knob increase fine tuning and reduce complexity when setting weld parameters.								
Infinite amperage control		Precise and accurate amperage control that adjusts output by one-amp increments.								
Dual-voltage		Allows connection to 120 or 240 V receptacles without tools.								
Adjustable shoulder strap		Easy to carry and move.								
Hobart 5/3/1 industrial warranty		Five-year warranty on transformers, stabilizers and main rectifiers; three years on generators, PC boards and drive systems; and one year on guns (MIG, plasma and TIG torches).								
Specifications (Subject to change without notice.)										
Input Power	Welding Amp Range	Rated Output	Max. Mild Steel Thickness	Amps Input at Rated Output	Max. Open-Circuit Voltage	Dimensions	Net Weight			
120 V	10–80 A	80 A at 15% duty cycle	1/8 in. (3.2 mm)	30.3	95 V	H: 10.24 in. (260 mm) W: 6.3 in. (160 mm) D: 12.6 in. (320 mm)	10.6 lb. (4.8 kg)			
240 V	10–160 A	160 A at 15% duty cycle	3/8 in. (9.5 mm)	34.0						



Hobart Welding Products

An ITW Welding Company
Sales: 800-626-9420
Service: 800-332-3281

HobartWelders.com



Electrode Charts

Electrode Polarity Chart

ELECTRODE	DC*	AC	POSITION	PENETRATION	USAGE
6010	EP	—	ALL	DEEP	MIN. PREP, ROUGH, HIGH SPATTER
6011	EP	✓	ALL	DEEP	
6013	EP, EN	✓	ALL	LOW	GENERAL
7014	EP, EN	✓	ALL	MED.	SMOOTH, EASY, FAST
7018	EP	✓	ALL	LOW	LOW HYDROGEN, STRONG
7024	EP, EN	✓	FLAT HORIZ. FILLET	LOW	SMOOTH, EASY, FASTER
Ni-Ci	EP	✓	ALL	LOW	CAST IRON
308L	EP	✓	ALL	LOW	STAINLESS

*EP = ELECTRODE POSITIVE (REVERSE POLARITY)
EN = ELECTRODE NEGATIVE (STRAIGHT POLARITY)

Electrode/Amperage Chart

ELECTRODE	DIAMETER		AMPERAGE RANGE				
	IN	MM	MIN.	50A	100A	150A	200A MAX.
6010 & 6011	3/32	2.4					
	1/8	3.2					
	5/32	4.0					
6013	3/16	4.8					
	1/16	1.6					
	3/32	2.4					
7014	1/8	3.2					
	5/32	4.0					
	3/16	4.8					
7018 & 7018 AC*	1/16	1.6					
	3/32	2.4					
	1/8	3.2					
7024	5/32	4.0					
	3/16	4.8					
Ni-Ci	3/32	2.4					
	1/8	3.2					
	5/32	4.0					
308L	3/16	4.8					
	3/32	2.4					
	1/8	3.2					
	5/32	4.0					
	3/16	4.8					

*7018 AC recommended for use with AC welders.

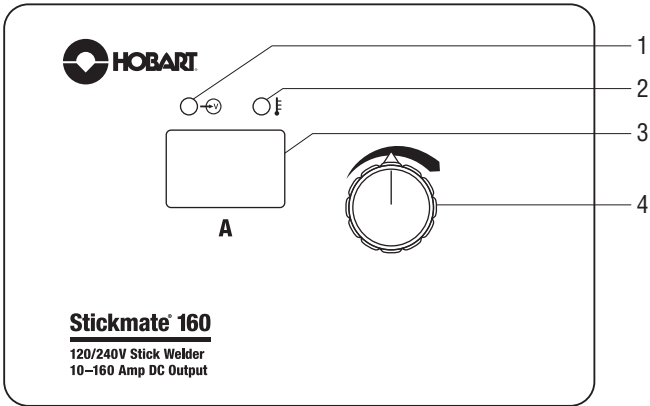
Ideal performance for most 6011, 6013 and 7018 rods.

Note: 6010 not recommended for open root welding.

120 V: 1/16–1/8 in.
(some limitations with 3/32-inch rods and very limited with 1/8-inch rods based on rod/amperage)

240 V: 1/16–5/32 in. (some limitations with 5/32-inch rods based on amperage)

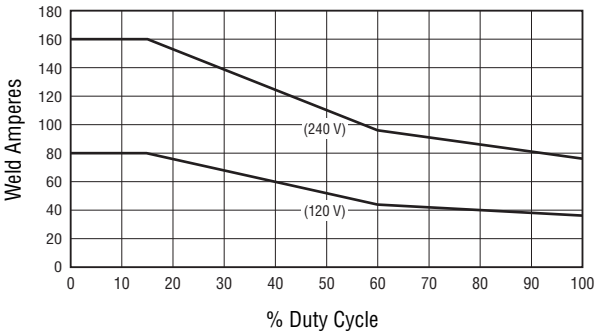
Control Panel



- 1. Output Indicator Light
- 2. Overtemperature Light
- 3. Digital Display
- 4. Amperage Adjustment Control

Performance Data

Duty Cycle Chart



Basic Equipment Setup (DCEP)

