

# Weld-Pak<sup>®</sup> 180HD



## Processes

MIG, Flux-Cored

## Product Number

K2515-1

See back for complete specs

## Input Power

208/230/1/60

## Input Current at Rated Output

20A

## Rated Output Current/Voltage/Duty Cycle

208: 130A/17.6V/30%

230: 130A/20V/30%

## Output Range

30 - 180 Amps DC

50-500 ipm WFS

(1.3-12.7 m/min) Max. OCV: 34

## Weight/Dimensions (H x W x D)

56 lbs. (25.4 kg)

14 x 10.15 x 18.2 inches

(357 x 258 x 462 mm)

## 208/230 Volt AC Input Compact Wire Welder

Get it done with the Weld-Pak<sup>®</sup> 180HD for farm, light fabrication, auto or home projects! If you have access to 208/230 volt input power, you can weld on thicker material.

Simple two knob control makes it easy to tackle thin steel, stainless or aluminum sheet metal with MIG or thicker steel with flux-cored welding. Compare the precise drive, rugged construction and full list of standard accessories. . . Lincoln Electric Weld-Pak<sup>®</sup> 180HD is an excellent choice!

## FEATURES

### ▶ Heavy Duty Wire Drive

- Fully adjustable drive system reduces the chance of wire tangling and crushing.
- Brass-to-brass gun connection enhances conductivity.
- Durable cast aluminum gear box delivers added drive torque and quiet operation.
- Easy-turn numeric drive tension indicator identifies optimized ranges for different wire diameters.

### ▶ Capable Performance

- Forgiving arc makes dialing in your application easy.
- Smooth arc starts with minimal spatter.
- Wide 30-180 amp welding output range.
- MIG weld 24 gauge up to 3/16 in. (4.8 mm) sheet metal in a single pass. Weld up to 1/2 in. (12.7 mm) steel using self-shielded Lincoln Electric Innershield<sup>®</sup> (FCAW-S) wires.

## APPLICATIONS

- ▶ Shop
- ▶ Farm
- ▶ Home



Shown K2515-1

## WHAT'S INCLUDED

### Gun

- ▶ Magnum<sup>®</sup> 100L gun and 10 ft. (3.0 m) cable assembly with brass gun connection and 4-pin MS-Type connection for trigger control (K530-6)
- ▶ .025 in. (0.6 mm) contact tips (Qty. 3) (KH710)
- ▶ .035 in. (0.9 mm) contact tips (Qty. 3) (KH712)
- ▶ Gasless nozzle for Innershield<sup>®</sup> welding (KH726)
- ▶ Gas nozzle for MIG welding (KH725)
- ▶ Spindle adapter for 8 in. (203 mm) diameter spools (KH720)

### Shielding Gas Apparatus

- ▶ Harris<sup>®</sup> 3000290 Gas Regulator (S25805) and 52 in. (1.3 m) hose (S19303) for use with Ar/CO<sub>2</sub> or CO<sub>2</sub> gases. For use with CO<sub>2</sub> shielding gas, order a Lincoln Electric S19298 CO<sub>2</sub> shielding gas bottle adapter.

### Welding Wire

- ▶ Sample spool of .025 in. (0.6 mm) diameter SuperArc<sup>®</sup> L-56<sup>®</sup> premium MIG wire
- ▶ Sample spool of .035 in. (0.9 mm) diameter Innershield<sup>®</sup> NR<sup>®</sup>-211-MP flux-cored wire

## INPUT



## OUTPUT



Two Year Extended Warranty Available in the U.S.A. and Canada.

## Other

- ▶ Work clamp and 10 ft. (3.0 m) cable
- ▶ Learn-To-Weld DVD



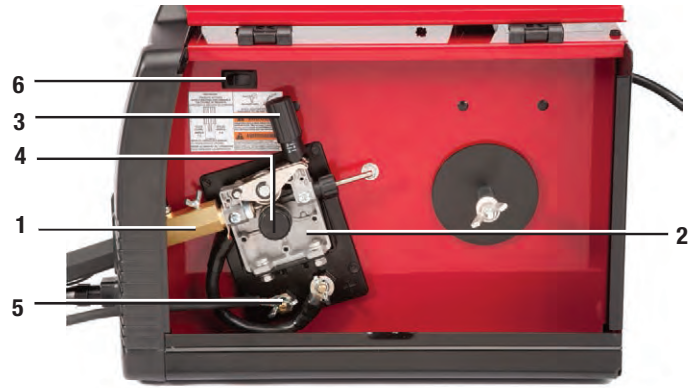
## HEAVY DUTY WIRE DRIVE

### Enhanced Quality

1. Brass-to-brass gun connection enhances conductivity.
2. Rigid drive aids wire alignment. The cast aluminum body with an enclosed multi-stage gear box delivers improved torque and quiet operation.

### Easy to Use

3. Easy-turn drive tension adjustment with numeric tension indicators.
4. Fast tool-less drive roll changeovers. The dual track drive roll ensures positive flux-cored wire feeding with common wire diameters.
5. Easy tool-less polarity changes for MIG or flux-cored welding.
6. Spool gun ready switch allows user to select spool gun or standard push gun drive operation.



## PERFORMANCE PLUS

Process	Wire Dia. (in.)	24ga.	22ga.	20ga.	18ga.	16ga.	14ga.	12ga.	10ga.	3/16"	1/4"	5/16"	3/8"	1/2"
Flux-Cored Welding – Steel	.030													
	.035													
	.045													
MIG Welding – Steel	.025													
	.030													
	.035													
MIG Welding – Aluminum <sup>(1)</sup>	.035													

SP - Single Pass  
MP - Multiple Pass

<sup>(1)</sup> Aluminum welding requires optional K2532-1 Magnum® spool gun.

L12603-14

### DRIVE ROLLS

Product Number	Wire Diameter inches (mm)	Process
KP2948-1	.025-.035 (0.6-0.9)	MIG/Flux-Cored
KP3285-1	.035-.045 (0.9-1.1)	Flux-Cored

## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS

#### Welding Cart

Full-featured cart is designed to store and transport a welder, 80 cubic foot gas cylinder, welding cables and accessories. Includes an angled top shelf for easy access to welder controls, a lower tray for added storage space, a sturdy handle also used as a convenient cable wrap hanger.  
**Order K2275-3**



#### Utility Cart

Heavy duty cart stores and transports welder, 150 cubic foot shielding gas cylinder, welding cables and accessories. Includes stable platforms for welder and gas bottle platform, lower tray for added storage capacity and adjustable height handle.  
**Order K520**



#### Small Canvas Cover

Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.  
**Order KH495**

### WIRE FEEDER OPTIONS

#### Magnum® 100SG Spool Gun

Designed to easily feed 4 in (102 mm) diameter 1 lb. (0.45 kg) spools of .030 in (0.8 mm) or .035 in (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035 in (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lb. (0.45 kg) spool of SuperGlaze® 4043



.035 in (0.9 mm) MIG wire. Packaged in a convenient carrying case.  
**Order K2532-1**

**.045 Innershield® Welding Kit**  
Includes everything required to weld with .045 in. (1.1 mm) Innershield® self-shielded flux-cored wire. Includes an .035-.045 in. (0.9-1.1 mm) Magnum® 100L gun liner, a .045 in. (1.1 mm) contact tip, a gasless nozzle, drive roll, and a 10 lb. (4.5 kg) spool of .045 in. (1.1 mm) Innershield® NR®-212 wire.  
**Order K3281-1**

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Weld-Pak® 180HD	K2515-1	208/230/1/60	208: 130A/17.6V/30% 230: 130A/20V/30%	20A	30-180 Amps DC 50-500 ipm WFS (1.3-12.7 m/min) Max. OCV: 34	14 x 10.15 x 18.2 (357 x 258 x 462)	56 (25.4)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.

**LINCOLN**  
**ELECTRIC**  
THE WELDING EXPERTS®