

# MAGNUM® PRO AL PISTOL GRIP PUSH-PULL GUNS



Shown:  
K3478-1 and  
K3479-1

## ALUMINUM PISTOL GRIP PUSH-PULL GUN

The new Magnum® PRO AL Pistol Grip models are designed to optimize a push-pull welding operation for aluminum by integrating features that will reduce downtime.

- » **Superior push-pull wire feeding technology** – Reduces friction in the wire feed path, resulting in smooth feeding and minimizing damage to the wire.
- » **Quick-Change Liner** – Simply remove the liner nut to easily access the liner.
- » **Magnum® PRO expendables** – Utilizes common expendables with all Magnum® PRO MIG Guns. 550A expendables are standard with the Magnum® PRO AL.
- » **Lightweight, ergonomic handle** – Intended for heavy duty work but light in weight with a well-balanced pistol grip to fit in either hand.
- » **Recessed adjustment dial** – Conveniently located at the rear of the handle to prevent a change while welding.
- » **Removable drive roll cover** – Easy access to wire and drive rolls.

### Processes »

MIG, Pulsed MIG for Aluminum

### Input »

24  
VDC

### Output »

24  
VDC

### Product Number »

See product specification table on back for details

### What's Included »

- » Gun Tube (KP3541-180, Air-Cooled (KP3542-180, Water-Cooled)
- » 0.035 & 3/64 in. 550A Contact Tips
- » 0.035 & 3/64 in. Grooved Drive Rolls

### CONTACT TIPS 350A

Wire Diameter in. (mm)	Order Number
0.035 (0.9)	KP2744-035AT
3/64 (1.2)	KP2744-364AT KP2744-364AT5356 KP2744-364AT-B100 <sup>(1)</sup>
1/16 (1.6)	KP2744-116AT KP2744-116AT5356 KP2744-116AT-B100 <sup>(1)</sup>

(1) Sold in quantity of 100

### CONDUIT LINERS, ALUMINUM

Description ft (m)	Order Number
Liner, .035-1/16", Aluminum, 15 [4.5]	KP3543-35116-15
Liner, .035-1/16", Aluminum, 25 [7.6]	KP3543-35116-25
Liner, 3/64-1/16", Aluminum, 35 [10.7]	KP3543-364116-35
Liner, 3/64-1/16", Aluminum, 50 [15.2]	KP3543-364116-50

### GUN TUBE ASSEMBLIES

Cooling System	Degree	Order Number
Air-Cooled	180°	KP3541-180 <sup>(1)</sup>
Air-Cooled	60°	KP3541-60 <sup>(2)</sup>
Air-Cooled	45°	KP3541-45 <sup>(2)</sup>
Water-Cooled	180°	KP3542-180 <sup>(2)</sup>
Water-Cooled	60°	KP3542-60 <sup>(2)</sup>
Water-Cooled	45°	KP3542-45 <sup>(2)</sup>

(1) Included with K3478-XX guns

(2) Included with K3479-XX guns

(3) 95S32441-22 and KP2879-3 required for assembly

### 350A SERIES EXPENDABLES

Description	Order Number
Gas Diffuser, each	KP2746-1
Gas Diffuser, 25 pcs.	KP2746-1-B25
Insulator, 350A Gun Tube, each	KP2773-2
Insulator, 350A Gun Tube, 25 pcs.	KP2773-2-B25
Gas Nozzle Assembly 5/8 in (15.9 mm)	KP2742-1-62R

For all possible options, reference bulletin E12.09.

### CONTACT TIPS 550A

Wire Diameter in. (mm)	Order Number
0.035 (0.9)	KP2745-035AT <sup>(1)</sup>
3/64 (1.2)	KP2745-364AT <sup>(1)</sup> KP2745-364AT5356 KP2745-364AT-B100 <sup>(2)</sup>
1/16 (1.6)	KP2745-116AT KP2745-116AT5356 KP2745-116AT-B100 <sup>(2)</sup>

(1) Included with gun

(2) Sold in Quantity of 100

### CONDUIT LINERS, STEEL

Description ft (m)	Order Number
Liner, .035-.045, Steel, 15 [4.5]	KP3544-3545-15
Liner, .035-.045, Steel, 25 [7.6]	KP3544-3545-25
Liner, .035-.045, Steel, 35 [10.7]	KP3544-3545-35

### COOLANT

Description in. (mm)	Order Number
1 Gallon (order in multiples of 4)	KP3379-4
5 Gallon	KP3379-5

### 550A SERIES EXPENDABLES

Description	Order Number
Gas Diffuser	KP2747-1A
Gas Diffuser, 25 pcs.	KP2747-1A-B25
Insulator, 550A Gun Tube, each	KP2773-1
Insulator, 550A Gun Tube, 25 pcs.	KP2773-1-B25
Gas Nozzle Assembly 5/8 in (15.9 mm)	KP2743-1-62RA

Use with water-cooled nozzle KP3375-1. For all possible options, reference bulletin E12.09.

### JUMP LINERS

Description in. (mm)	Order Number
Jump Liner 0.035-1/16 [0.9-1.6]	KP2879-3

### DRIVE ROLLS

Description in. (mm)	Order Number
0.035 (0.9) Groove	KP3546-035
3/64 (1.2) Groove	KP3546-364
3/64 (1.2) Knurl	KP3547-364
1/16 (1.6) Knurl	KP3547-116

### RECOMMENDED ACCESSORIES



#### 12-pin to 7-pin Adapter

Use for connecting 12-pin push-pull guns such as the Magnum® PRO AL to a 7-pin feeder connector.

**Order K2910-2**



#### 7 ft. Water Hose Kit

Quick Connect water lines for giving 7 ft (2.0 m) of length to the gun's water cables.

**Order K4544-7**

### PRODUCT SPECIFICATIONS

Product Name	Product Number 12-Pin	Amperage Rating 100% Argon Gas	Wire Diameter Range in (mm)	Cable Length ft (m)
Magnum® PRO AL Pistol Air	K3478-1	220A @ 60% Duty Cycle	0.035 - 1/16 [0.9 - 1.6] Aluminum Wire	15 [4.5]
	K3478-2			25 [7.6]
	K3478-3			35 [10.7]
Magnum® Pro AL Pistol Water	K3479-1	320A @ 60% Duty Cycle	0.035 - 0.045 [0.9 - 1.2] Steel Wire	15 [4.5]
	K3479-2			25 [7.6]

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

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