

# MAGNUM<sup>®</sup> PRO 300 AL PUSH GUN

Cost Effective Aluminum Welding.



## KEY FEATURES

The Magnum PRO 300 AL Push Gun is a durable, lightweight aluminum welding solution designed for industrial environments. This push only solution provides a cost effective way of welding with aluminum wire at distances up to 10 feet.

- **Superior Push Feeding** – Smooth feeding of larger diameter aluminum wire from the feeder to the work piece for up to 10 feet. The rigid liner is designed to minimize resistance of the wire to prevent feeding issues.
- **Cost Effective Solution** – Low cost aluminum welding solution for short distance applications.
- **Lightweight Aluminum Welding** – Our Curve™ handle is lightweight and balanced, providing a comfortable grip to reduce fatigue.
- **Premium Expendable Performance** – Lincoln Electric's long-lasting Magnum PRO expendables are designed with welding arc performance in mind. Using Magnum PRO expendables results in more time welding and less time wasted.

### Process »

Aluminum - MIG, Pulsed MIG

### Output »



### Input »



### Product Number »

K4700-1-6-116A  
K4700-1-10-116A  
K4700-1-FM-116A

## WHAT'S INCLUDED:

- Gun Tube – KP2925-30
- Insulator – KP2773-1
- Diffuser – KP2747-1A
- Contact Tip – KP2745-364AT  
KP2745-116AT
- Liner – KP44-116A-10
- Nozzle – KP2743-1-62RA
- Back End Connector – See Product Specifications Table

## PUSH GUN TECHNOLOGY

The Magnum PRO 300 AL Push Gun is a cost effective solution to aluminum welding. The use of a rigid, nylon liner minimizes the amount of friction created between the wire and liner and provides smooth feeding from the feeder to the work piece.

Aluminum is a soft material that can be difficult to push over long distances due to its vulnerability to birdnesting inside the liner. To prevent feeding issues, it is important to understand when a push only gun is an applicable solution.



- 1. How far away from the feeder are you trying to weld?** The farthest distance it is recommended to push aluminum wire is 10ft. At distances further than 10ft, the wire will begin to buckle inside the liner and will provide inconsistent feeding or none at all.



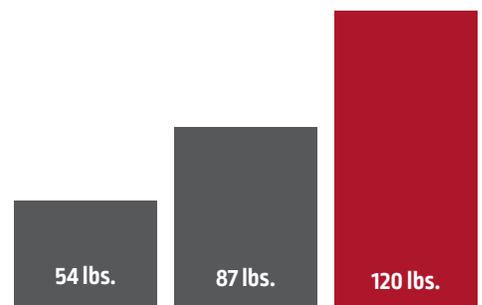
- 2. What diameter of aluminum wire are you welding with?** It is recommended to use aluminum wire that is 3/64-1/16 in. when welding with a push only gun. Smaller diameter wires will buckle without the added pulling force. When deciding if this type of gun is the right solution for your application, you should also take the alloy properties into consideration.

The Magnum PRO 300 AL Push Gun is a great solution for welding with 3/64-1/16 in. aluminum wire over distances up to 10ft.

## SAVE MONEY WITH MAGNUM PRO EXPENDABLES



Lasts Up To  
**124% Longer**



Results in Up to  
**\$415 of Savings**  
per Gun Annually by  
Switching to Magnum PRO

**MAGNUM PRO AL PUSH LINERS**

Wire Diameter	Part Number	Package Quantity
3/64 - 1/16 in.	KP44-116A-10	1
	KP44-116A-10-B10	10

**MAGNUM PRO GAS DIFFUSERS**

Thread Type	Package Qty	350A	550A
Thread On	1	KP2746-1	KP2747-1
	25	KP2746-1-B25	KP2747-1-B25
	1	-	KP2747-1A*
		-	KP2747-1A-B25*
Slip On	1	KP2746-2	KP5129-2
	25	KP2746-2-B25	KP5129-2-B25

**MAGNUM PRO INSULATORS**

Package Qty	350A	550A
1	KP2773-2	KP2773-1
25	KP2773-2-B25	KP2773-1-B25

\*For use with Aluminum Wire

**MAGNUM PRO COPPER PLUS® CONTACT TIPS**

Wire Diameter	Package Qty	350A, Aluminum, Standard	350A, Aluminum, Tapered	550A, Aluminum, Standard	550A, Aluminum, Tapered
3/64 in.	10	KP2744-364A	KP2744-364AT	KP2745-364A	KP2745-364AT
	100	KP2744-364A-B100	KP2744-364AT-B100	KP2745-364A-B100	KP2745-364AT-B100
1/16 in.	10	KP2744-116A	KP2744-116AT	KP2745-116A	KP2745-116AT
	100	KP2744-116A-B100	KP2744-116AT-B100	KP2745-116A-B100	KP2745-116AT-B100

**MAGNUM PRO NOZZLES, 350A**

Thread Type	Nozzle Type in (mm)	Qty	3/8 in ID, Standard	1/2 in ID, Standard	1/2 in ID, Extended Reach	1/2 in ID, Narrow Gap	1/2 in ID, Bottleneck	5/8 in ID, Standard	
Thread-On	1/8 (3.2) Recess	1	KP2742-1-38R	KP2742-1-50R	KP3359-1-50R	KP3617-1-50R	KP3160-1-50R	KP2742-1-62R	
		25	KP2742-1-38R-B25	KP2742-1-50R-B25	KP3359-1-50R-B25	KP3617-1-50R-B25	KP3160-1-50R-B25	KP2742-1-62R-B25	
	Flush	1	KP2742-1-38F	KP2742-1-50F	KP3359-1-50F	KP3617-1-50F	KP3160-1-50F	KP2742-1-62F	
		25	KP2742-1-38F-B25	KP2742-1-50F-B25	KP3359-1-50F-B25	KP3617-1-50F-B25	KP3160-1-50F-B25	KP2742-1-62F-B25	
1/8 (3.2) Stickout	1/8 (3.2) Stickout	1	KP2742-1-38S	KP2742-1-50S	KP3359-1-50S	KP3617-1-50S	KP3160-1-50S	KP2742-1-62S	
		25	KP2742-1-38S-B25	KP2742-1-50S-B25	KP3359-1-50S-B25	KP3617-1-50S-B25	KP3160-1-50S-B25	KP2742-1-62S-B25	
Slip-On	1/8 (3.2) Recess	1	-	KP2742-2-50R	-	-	-	KP2742-2-62R	
		25	-	KP2742-2-50R-B25	-	-	-	KP2742-2-62R-B25	
	Flush	1	-	KP2742-2-50F	-	-	-	KP2742-2-62F	
		25	-	KP2742-2-50F-B25	-	-	-	KP2742-2-62F-B25	
	1/8 (3.2) Stickout	1/8 (3.2) Stickout	1	-	KP2742-2-50S	-	-	-	KP2742-2-62S
			25	-	KP2742-2-50S-B25	-	-	-	KP2742-2-62S-B25

**MAGNUM PRO NOZZLES, 550A**

Thread Type	Nozzle Type in (mm)	Qty	3/8 in ID, Standard	1/2 in ID, Standard	5/8 in ID, Standard	5/8 in ID, Bottleneck	3/4 in ID, Standard	
Thread-On	1/8 (3.2) Recess	1	KP2743-1-38R	KP2743-1-50R	KP2743-1-62RA*	KP3161-1-62R	KP2743-1-75R	
		25	KP2743-1-38R-B25	KP2743-1-50R-B25	KP2743-1-62R-B25	KP3161-1-62R-B25	KP2743-1-75R-B25	
	Flush	1	KP2743-1-38F	KP2743-1-50F	KP2743-1-62F	KP3161-1-62F	KP2743-1-75F	
		25	-	-	KP2743-1-62F-B25	KP3161-1-62F-B25	KP2743-1-75F-B25	
1/8 (3.2) Stickout	1/8 (3.2) Stickout	1	KP2743-1-38S	KP2743-1-50S	KP2743-1-62S	KP3161-1-62S	KP2743-1-75S	
		25	KP2743-1-38S-B25	KP2743-1-50S-B25	KP2743-1-62S-B25	KP3161-1-62S-B25	KP2743-1-75S-B25	
Slip-On	1/8 (3.2) Recess	1	-	KP5130-2-50R	KP5130-2-62R	-	KP5130-2-75R	
		25	-	KP5130-2-50R-B25	KP5130-2-62R-B25	-	KP5130-2-75R-B25	
	Flush	1	-	KP5130-2-50F	KP5130-2-62F	-	KP5130-2-75F	
		25	-	KP5130-2-50F-B25	KP5130-2-62F-B25	-	KP5130-2-75F-B25	
	1/8 (3.2) Stickout	1/8 (3.2) Stickout	1	-	KP5130-2-50S	KP5130-2-62S	-	KP5130-2-75S
			25	-	KP5130-2-50S-B25	KP5130-2-62S-B25	-	KP5130-2-75S-B25

**PRODUCT SPECIFICATIONS**

Product Name	Product Number	Rated Output Current/ Duty Cycle	Wire Diameter Range in. (mm)	Cable Length ft (m)	Backend Connector
Magnum PRO 300 AL Push Gun	K4700-1-FM-116A	300A @ 60% Duty Cycle (CO <sub>2</sub> )	3/64 – 1/16 (1.2 – 1.6)	10 (3.0)	Fast Mate
	K4700-1-6-116A	200A @ 60% Duty Cycle (Mixed Gas)	3/64 – 1/16 (1.2 – 1.6)		K466-6
	K4700-1-10-116A		3/64 – 1/16 (1.2 – 1.6)		K466-10

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