

Magnum[®] PRO 100L and 250L Semiautomatic Guns

Processes

MIG, Pulsed MIG, Flux-Cored

Product Number

K3080-1 Magnum[®] PRO 100L

K3081-2 Magnum[®] PRO 250L

Amperage Rating @ 40% Duty Cycle

CO₂ Shielding Gas: 100A

CO₂ Shielding Gas: 250A

Wire Diameter Range in. (mm)

.025-.045 (0.6 – 1.2)

Cable Length ft. (m)

Magnum[®] PRO 100L 10 (3.0)

Magnum[®] PRO 250L 15 (4.5)

Semiautomatic Air-Cooled Guns

These compact and lightweight guns are great for home, farm and small shop projects, autobody work and light maintenance or repair applications. Featuring Magnum[®] PRO nozzles and Copper Plus[™] contact tips and a comfortable Magnum[®] Curve[™] handle, our L series Magnum[®] PRO guns deliver extended service life and low operational costs.

FEATURES

- ▶ **Industrial Grade Construction.**
 - High quality copper parts ensure superior electrical contact and heat dissipation.
 - Extra trigger leads are standard for fast field repair.
 - Patent-pending Anti-Seize[™] tip and diffuser thread design reduces tip and diffuser seizing.
- ▶ **Lincoln Electric Copper Plus[™] Contact Tips** - Larger tip diameter and mass improve heat dissipation to increase tip life.
- ▶ **Curve[™] Handle Design** - Our Curve[™] handle is lightweight and balanced, providing a comfortable grip to reduce fatigue.

APPLICATIONS

- ▶ Farm
- ▶ Small Shop
- ▶ Autobody
- ▶ Light Maintenance and Repair

WHAT'S INCLUDED

K3080-1 Magnum[®] PRO 100L

- ▶ Contact Tips
KP2744-025T (Qty 1)
KP2744-035T (Qty 1)
- ▶ 1/2 in. (12.7 mm) Thread-On Gas Nozzle Flush (KP3075-1-50F)
- ▶ Thread-on Gasless Nozzle (KP3084-1)
- ▶ Thread-on Diffuser (KP3076-1)
- ▶ Gun Liner (KP45-40-15)
- ▶ Integrated Gun Connector

K3081-2 Magnum[®] PRO 250L

- ▶ Contact Tips
KP2744-035T (Qty 1)
KP2744-045T (Qty 1)
- ▶ 1/2 in. (12.7 mm) Thread-on Gas Nozzle Flush (KP2742-1-50F)
- ▶ Thread-on Diffuser (KP2746-1)
- ▶ Gun Liner (KP42-4045-15)
- ▶ Integrated Gun Connector



Shown K3080-1

Shown K3081-2

Product Name	Product Number	Amperage Rating 40% Duty Cycle		Wire Diameter Range		Cable Length ft. (m)
		CO ₂		in.	(mm)	
Magnum [®] PRO 100L	K3080-1	100		.025 - .045	(0.6 - 1.2)	10 (3.0)
Magnum [®] PRO 250L	K3081-2	250		.025 - .045	(0.6 - 1.2)	15 (4.5)

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LINCOLN[®]
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THE WELDING EXPERTS[®]

EXPENDABLE PARTS

Magnum® PRO expendable parts are interchangeable. Interchanging will require gun tube insulator and gas diffuser changes. Customers may choose to change expendable parts to standardize stocking parts or to make the gun more compact for tight spaces.

Magnum® PRO 100L



Tapered Tip

CONTACT TIPS

Wire Diameter in. (mm)	Tapered Tip	Tapered Tip
	Pkg. Qty. - 10	Pkg. Qty. - 100
0.025 (0.6)	KP2744-025T	KP2744-025T-B100
0.030 (0.8)	KP2744-030T	KP2744-030T-B100
0.035 (0.9)	KP2744-035T	KP2744-035T-B100
0.040 (1.0)	KP2744-040T	KP2744-040T-B100
0.045 (1.2)	KP2744-045T	KP2744-045T-B100

GAS DIFFUSER

Pkg. Qty.	Thread-on
1	KP3076-1
25	KP3076-1-B25



Gas Diffuser for 100L

GAS NOZZLE⁽¹⁾

Gas Nozzle Diameter in. (mm)				
Thread-on	Nozzle	Pkg. Qty.	.375 (9.5)	0.5 (12.7)
			Flush	1
		25	KP3075-1-38F-B25	KP3075-1-50F-B25
1/4 (6.4)	Stickout	1	KP3075-1-38S	KP3075-1-50S
		25	KP3075-1-38S-B25	KP3075-1-50S-B25



Gas Nozzle for 100L Thread-on Flush

GASLESS NOZZLE

Pkg. Qty.	Part Number
1	KP3084-1
25	KP3084-1-B25

GUN TUBE

Gun Tubes	60° Gun Tube
Magnum® PRO 100L	KP3082-60



GUN LINER

Cable Length	Pkg. Qty.	Steel .035-.045 in. (0.9-1.2 mm)	Aluminum .035 in. (0.9 mm)
15 ft. (4.5 m)	1	KP45-40-15 ⁽³⁾	KP1959-1 ⁽²⁾
	10	KP45-40-15-B10	—

(1) When using nozzle sizes less than 5/8 in., tapered tips are recommended.

(2) Recommended for aluminum wire welding, recommended maximum cable length for aluminum is 10 ft. (3.0 m)

(3) Standard on Magnum® PRO 100L

(4) Standard on Magnum® PRO 250L

Magnum® PRO 250L



Standard Tip



Tapered Tip

CONTACT TIPS

Wire Diameter in. (mm)	Standard	Standard	Tapered Tip	Tapered Tip
	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100
0.025 (0.6)	KP2744-025	KP2744-025-B100	KP2744-025T	KP2744-025T-B100
0.030 (0.8)	KP2744-030	KP2744-030-B100	KP2744-030T	KP2744-030T-B100
0.035 (0.9)	KP2744-035	KP2744-035-B100	KP2744-035T	KP2744-035T-B100
0.040 (1.0)	KP2744-040	KP2744-040-B100	KP2744-040T	KP2744-040T-B100
0.045 (1.2)	KP2744-045	KP2744-045-B100	KP2744-045T	KP2744-045T-B100

GAS DIFFUSER

Pkg. Qty.	Thread-on
1	KP2746-1
25	KP2746-1-B25



Gas Diffuser for 250L Thread-on

GUN TUBE INSULATOR

Pkg. Qty.	Part Number
1	KP2773-2
25	KP2773-2-B25



Gun tube Insulator 250L

GAS NOZZLE⁽¹⁾

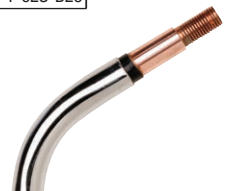
Gas Nozzle Diameter in. (mm)					
Thread-on	Nozzle	Pkg. Qty.	.375 (9.5)	0.5 (12.7)	0.625 (15.9)
			1/8 (3.2) Recess	1	KP2742-1-38R
		25	KP2742-1-38R-B25	KP2742-1-50R-B25	KP2742-1-62R-B25
Flush	1	KP2742-1-38F	KP2742-1-50F	KP2742-1-62F	
	25	KP2742-1-38F-B25	KP2742-1-50F-B25	KP2742-1-62F-B25	
1/8 (3.2) Stickout	1	KP2742-1-38S	KP2742-1-50S	KP2742-1-62S	
	25	KP2742-1-38S-B25	KP2742-1-50S-B25	KP2742-1-62S-B25	



Gas Nozzle for 250L Thread-on 1/2 in. (12 mm) Flush

GUN TUBE

Gun Tubes	60° Gun Tube	45° Gun Tube
Magnum® PRO 250L	KP3078-60	KP3078-45



GUN LINER

Cable Length	Pkg. Qty.	Steel			Aluminum
		Steel .025-.030 in. (0.6-0.8 mm)	.030-.035 in. (0.8-0.9 mm)	.035-.045 in. (0.9-1.2 mm)	.035-3/64 in. (0.9-1.2 mm)
15 ft. (4.5 m)	1	KP42-25-15	KP42-3035-15	KP42-4045-15 ⁽⁴⁾	KP44N-3545-15 ⁽²⁾
	10	—	—	KP42-4045-15-B10	—

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