

# Magnum<sup>®</sup> Semiautomatic Guns

## Processes

MIG, Pulsed MIG, Flux-Cored

## Product Number

Magnum<sup>®</sup> 100L  
 Magnum<sup>®</sup> 250L  
 Magnum<sup>®</sup> 200  
 Magnum<sup>®</sup> 300  
 Magnum<sup>®</sup> 400  
 Magnum<sup>®</sup> 550

## Amperage Rating @ 60% Duty Cycle <sup>(1)</sup>

100% CO<sub>2</sub> Shielding Gas  
 Magnum<sup>®</sup> 100L: 100A  
 Magnum<sup>®</sup> 250L: 250A  
 Magnum<sup>®</sup> 200: 200A  
 Magnum<sup>®</sup> 300: 300A  
 Magnum<sup>®</sup> 400: 400A  
 Magnum<sup>®</sup> 550: 600A

## Wire Diameter Range in. (mm)

.025 - .045 (0.6 - 1.2)  
 .025 - .045 (0.6 - 1.2)  
 .025 - .045 (0.6 - 1.2)  
 .025 - 5/64 (0.6 - 2.0)  
 .025 - 5/64 (0.6 - 2.0)  
 .035 - 1/8 (0.9 - 3.2)

<sup>(1)</sup> Magnum<sup>®</sup> 100L and 250L are 40% duty cycle.

## Semiautomatic Gas-Shielded Guns

Magnum<sup>®</sup> guns for MIG or flux-cored welding feature our classic curved handle and are available in a number of amperage ranges for use in many applications.

### FEATURES

- ▶ **One-piece modular trigger assembly** - Molded out of high heat resistant material to withstand heat and spatter and ensure long life.
- ▶ **Gun tube design** - Armored with an electrically insulated metal jacket optimizing fine wire welding performance.
- ▶ **Abrasion-resistant, extruded rubber jacket** - Adds strength and long life to the cable.
- ▶ **Classic curved handle** - Lightweight and balanced, providing a comfortable grip to reduce fatigue.
- ▶ **Rotating gun tube and gun hanger clip** - Allow any number of hand positions to reduce fatigue or fit into tight spaces.



# MAGNUM<sup>®</sup>

### WHAT'S INCLUDED

- ▶ Contact Tip
- ▶ Gas Diffuser
- ▶ Gas Nozzle
- ▶ Insulator
- ▶ Cable Liner
- ▶ Gun Tube (60°)

### GUN REQUIRES

- ▶ Gun Connector Kit

### APPLICATIONS

- ▶ Shop Production
- ▶ Maintenance and Repair
- ▶ Construction

WELDING TECHNOLOGY  
 SUPPLIERS OF WELDING AND ENGINEERING EQUIPMENT





**Magnum® 100L Gun and Cable Assembly**

Extremely small, lightweight gun that's great for most home, farm and small shop projects, autobody work and light maintenance or repair applications. Includes gun connector.

**Magnum® 250L Gun and Cable Assembly**

Recommended for medium duty job shop and production applications. Includes gun connector.

**Magnum® 200 Gun and Cable Assembly**

A small, lightweight gun intended for light job shop and fabrication applications. Best suited for welding on thin materials using .025-.030 in. (0.6-0.8 mm) wire.

**Magnum® 300 Gun and Cable Assembly**

This popular Magnum® gun is intended for most .035-.045 in. (0.9-1.1 mm) wire diameter applications in job shops, production or manufacturing.

**Magnum® 400 Gun and Cable Assembly**

The Magnum® 400 gun is built for operator comfort when welding with the greater heat levels generated by higher amperage applications. Select the Magnum® 400 gun for most .045-1/16 in. (1.2-1.6 mm) gas-shielded operations. Available in standard, dual schedule, dual procedure and short neck models.

**Magnum® 550 Gun and Cable Assembly**

Choose our 550 gun for heavy duty applications, including up to .052 in. and .062 in. (1.3 and 1.6 mm) MIG or 3/32-1/8 in. (2.4-3.2 mm) gas-shielded flux-cored applications.

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**GUN CONNECTOR KITS** Gun Connector Kits are included with Fast-Mate™ Guns and Ready-Pak® Packages only.

GUN CONNECTOR KIT		
Wire Feeder Manufacturer	Wire Feeder Model	Magnum® 200, 300 Open End, 400 Open End, Single Procedure
Lincoln Electric®	LN-7 Series, LN-8, LN-9, LN-25 [Up to .052 in. (1.4 mm) Wire]	K466-1
	LN-8, LN-9 Series, LN-25 [1/16 in. (1.6 mm) and Larger Wire]	K466-8
	LF-72, LF-74 Series, LN-25 PRO	K466-10
	Power Feed® 10 and 25 series	K466-10
	POWER MIG® Series and Power Wave® C300	K466-6
Tweco® Adapted	No. 2, No. 3, No. 4 Guns (K466), No. 5 (K613)	K466-2
Miller®	Intellimatic, Sidekick, D-51A, Porto-Mig Millermatic 130, 200, MM-35, S-42GL, S-52A, S-54A, Swing Arc-Dual, Swing Arc-Single S-32S, 52D, 54D, 54E, 60 Series	K466-3



K466-1



K466-8

GUN CONNECTOR KIT		
Wire Feeder Manufacturer	Wire Feeder Model	Magnum® 200 Fast-Mate™, 300 Fast-Mate™, and 400 Fast-Mate™, Single Procedure
Lincoln Electric®	LN-7 Series, LN-8, LN-9, LN-25 [Up to .052 in. (1.4 mm) Wire]	K489-1
	LN-8, LN-9 Series, LN-25 [1/16 in. (1.6 mm) and Larger Wire]	K489-1
	Power Feed® 10 and 25 series	K489-7
	POWER MIG® Series and Power Wave® C300	K489-8



K466-10



K489-7

GUN CONNECTOR KIT		
Wire Feeder Manufacturer	Wire Feeder Model	Magnum® 400 Dual Procedure, Dual Schedule
	Power Feed® 10 and 25 series	K466-10

GUN CONNECTOR KIT		
Wire Feeder Manufacturer	Wire Feeder Model	Magnum® 400 Fast-Mate™, Dual Procedure, Dual Schedule
Lincoln Electric®	Power Feed® 10 and 25 series	K489-7



K489-8

GUN CONNECTOR KIT		
Wire Feeder Manufacturer	Wire Feeder Model	Magnum® 550 Open End
Lincoln Electric®	LN-7 Series, LN-8, LN-9, LN-25 [Up to .052 in. (1.4 mm) Wire]	K613-1
	LN-8, LN-9 Series, LN-25 [1/16 in. (1.6 mm) and Larger Wire]	K613-6
	Power Feed® 10 and 25 series	K613-7
Tweco® Adapted	No. 2, No. 3, No. 4 Guns (K466), No. 5 (K613)	K613-2
Miller®	Intellimatic, Sidekick, D-51A, Porto-Mig Millermatic 130, 200, MM-35, S-42GL, S-52A, S-54A, Swing Arc-Dual, Swing Arc-Single S-32S, 52D, 54D, 54E, 60 Series	K613-3



K613-6



K613-7

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**CABLE LINERS**

<b>MAGNUM® 100L {in. (mm)}</b>		
ft. (m)	.035 (0.9) Aluminum <sup>(1)</sup>	.035-.045 (0.9-1.2)
15 (4.5)	KP1959-1	KP45-40-15



Magnum® 200 and 250L

Magnum® 300 and 400

<b>MAGNUM® 200, 250L and 250SP {in. (mm)}</b>				
ft. (m)	.025-.030 (0.6-0.8)	.030-.035 (0.8-0.9)	.035-.045 (0.9-1.2)	.035-3/64 (0.9-1.2) Aluminum <sup>(1)</sup>
15 (4.5)	KP42-25-15	KP42-3035-15	KP42-4045-15	KP44N-3545-15 <sup>(1)</sup>



Magnum® 550

<b>MAGNUM® 300 and 400 {in. (mm)}</b>						
ft. (m)	.025-.030 (0.6-0.8)	.035-.045 (0.9-1.2)	.035-3/64 (0.9-1.2) Aluminum <sup>(1)</sup>	.052-1/16 (1.3-1.6)	1/16-5/64 (1.6-2.0)	1/16 (1.6) Aluminum <sup>(1)</sup>
15 (4.5)	KP42-25-15	KP44-3545-15	KP44N-3545-15 <sup>(1)</sup>	KP44-116-15	KP44-564-15	KP44N-116-15 <sup>(1)</sup>
26 (7.9)	—	KP44-3545-25	—	KP44-116-25	KP44-564-25	—

<b>MAGNUM® 550 {in. (mm)}</b>						
ft. (m)	.035-.045 (0.9-1.2)	.035-3/64 (0.9-1.2) Aluminum <sup>(1)</sup>	.052-1/16 (1.3-1.6)	1/16 (1.6) Aluminum <sup>(1)</sup>	5/64-3/32 (2.0-2.4)	7/64-1/8 (2.8-3.2)
15 (4.5)	KP45-3545-15	KP45N-3545-15	KP45-116-15	KP45N-116-15 <sup>(1)</sup>	KP45H-332-15	KP45-18-15
25 (7.6)	KP45-3545-25	—	KP45-116-25	—	KP45H-332-25	KP45-18-25

<sup>(1)</sup> Recommended for aluminum wire welding. Recommended maximum cable length is 10 ft. (3.0 m).

**GUN TUBES**

<b>GUN TUBES</b>				
Use With These Magnum® Guns	Amperage Capacity	Angle		
		45°	60°	82°
Magnum® 100L	100 A		KP2038-1	
Magnum® 200	200 A		KP2028-1	
	300 A	KP1929-2	KP1928-2	
	400 A	KP1929-1	KP1928-1	KP1941-1
Magnum® 250L	250 A	KP2041-1	KP2015-1 (Hard cover) KP2111-1 (Rubber cover)	
Magnum® 300 Magnum® 400	300 A	KP1929-2	KP1928-2	
	400 A	KP1929-1	KP1928-1	KP1941-1
Magnum® 550	600 A		KP1951-1 (3 in. radius bend) KP1951-2 (5 in. radius bend)	



45° Gun Tube



60° Gun Tube



82° Gun Tube

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**CONTACT TIPS**

<b>CONTACT TIPS 100 A</b>				
Wire Diameter in. (mm)	Standard		Tapered	
	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100
0.025 (0.6)	KP11-25	KP11-25-B100	KP11T-25	—
0.030 (0.8)	KP11-30	KP11-30-B100	KP11T-30	—
0.035 (0.9)	KP11-35	KP11-35-B100	KP11T-35	—
0.035 (0.9) Aluminum	KP2078-1B1 <sup>(1)</sup>	—	—	—
0.045 (1.2)	KP11-45	KP11-45-B100	KP11T-45	—

<sup>(1)</sup> Recommended for aluminum wire welding.



<b>CONTACT TIPS 200 A and 250 A</b>								
Wire Diameter in. (mm)	Standard		Heavy Duty		Tapered		Notched	
	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100
0.025 (0.6)	KP14-25	KP14-25-B100	—	—	KP14T-25	—	—	—
0.030 (0.8)	KP14-30	KP14-30-B100	—	—	KP14T-30	KP14T-30-B100	KP2010-3B1 <sup>(1)</sup>	—
0.035 (0.9)	KP14-35	KP14-35-B100	KP14H-35	KP14H-35-B100	KP14T-35	KP14T-35-B100	KP2010-4B1 <sup>(1)</sup>	—
0.040 (1.0)	KP14-40	—	KP14H-40	KP14H-40-B100	KP14T-40	KP14T-40-B100	—	—
0.045 (1.2)	KP14-45	KP14-45-B100	KP14H-45	KP14H-45-B100	KP14T-45	KP14T-45-B100	—	—
3/64 (1.2)	KP14A-364 <sup>(1)</sup>	KP14A-364-B100 <sup>(1)</sup>	KP14AH-364 <sup>(1)</sup>	KP14AH-364-B100 <sup>(1)</sup>	—	—	KP2010-5B1 <sup>(1)</sup>	—

<sup>(1)</sup> Recommended for aluminum wire welding.

<b>CONTACT TIPS 300 A and 400 A</b>								
Wire Diameter in. (mm)	Standard		Heavy Duty		Tapered		Notched	
	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100	Pkg. Qty. - 10	Pkg. Qty. - 100
0.025 (0.6)	KP14-25	KP14-25-B100	—	—	KP14T-25	—	—	—
0.030 (0.8)	KP14-30	KP14-30-B100	—	—	KP14T-30	KP14T-30-B100	KP2010-3B1 <sup>(1)</sup>	—
0.035 (0.9)	KP14-35	KP14-35-B100	KP14H-35	KP14H-35-B100	KP14T-35	KP14T-35-B100	KP2010-4B1 <sup>(1)</sup>	—
0.040 (1.0)	KP14-40	—	KP14H-40	KP14H-40-B100	KP14T-40	KP14T-40-B100	—	—
0.045 (1.2)	KP14-45	KP14-45-B100	KP14H-45	KP14H-45-B100	KP14T-45	KP14T-45-B100	—	—
3/64 (1.2)	KP14A-364 <sup>(1)</sup>	KP14A-364-B100 <sup>(1)</sup>	KP14AH-364 <sup>(1)</sup>	KP14AH-364-B100 <sup>(1)</sup>	—	—	KP2010-5B1 <sup>(1)</sup>	—
0.052 (1.3)	KP14-52	KP14-52-B100	KP14H-52	KP14H-52-B100	KP14T-52	KP14T-52-B100	—	—
1/16 (1.6)	KP14-116	KP14-116-B100	KP14H-116	KP14H-116-B100	KP14T-116	—	—	—
5/64 (2.0)	KP14-564	—	KP14H-564	—	—	—	—	—

<sup>(1)</sup> Recommended for aluminum wire welding.

<b>CONTACT TIPS 500 A</b>		
Wire Diameter in. (mm)	Solid Wire, Heavy Duty	
	Pkg. Qty. - 10	Pkg. Qty. - 100
0.035 (0.9)	KP15H-35	—
0.045 (1.2)	KP15H-45	—
0.052 (1.3)	KP15H-52	—
1/16 (1.6)	KP15H-116	—
5/64 (2.0)	KP15H-564	—
3/32 (2.4)	KP15H-332	—

<b>CONTACT TIPS 600 A</b>		
Wire Diameter in. (mm)	Heavy Duty	
	Pkg. Qty. - 10	Pkg. Qty. - 100
0.035 (0.9)	KP16S-35	—
0.045 (1.2)	KP16S-45	—
0.052 (1.3)	KP16S-52	—
1/16 (1.6)	KP16S-116	KP16S-116-B100
5/64 (2.0)	KP16S-564	KP16S-564-B100
3/32 (2.4)	KP16S-332	KP16S-332-B100
7/64 (2.8)	KP16S-764	—
1/8 (3.2)	KP16S-18	—

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## EXPENDABLE PARTS

### GAS DIFFUSERS

GAS DIFFUSERS 100 A	
Pkg. Qty.	.025-.045 in. (0.6-1.2 mm)
1	KP35-50
25	—



100 A



200 A and 250 A



300 A and 400 A



600 A

GAS DIFFUSERS 200 A			
Pkg. Qty.	.025-.030 in. (0.6-0.8 mm)	.035-.045 (0.9-1.2 mm)	.025-.045 (0.6-1.2 mm)
1	KP52-23	KP52FN	KP2051-1 <sup>(2)</sup> or KP52FN <sup>(1)</sup>
25	—	KP52FN-B25	KP2051-1B1 <sup>(2)</sup> or KP52FN-B25 <sup>(1)</sup>

GAS DIFFUSERS 250 A				
Nozzle	Pkg. Qty.	.025-.030 in. (0.6-0.8 mm)	.035-.045 (0.9-1.2 mm)	.025-.045 (0.6-1.2 mm)
For Adjustable Slip-On Nozzle	1	KP52-23	KP52	—
For Adjustable Slip-On Nozzle	25	—	KP52-B25	—
For Fixed Nozzle	1	KP2051-1	KP52FN	KP52FN
For Fixed Nozzle	25	—	KP52FN-B25	—
Specialty	1	KP2051-1	—	KP2051-1 <sup>(3)</sup>
Specialty	25	—	—	KP2051-1B1

GAS DIFFUSERS 300 A and 400 A		
Pkg. Qty.	.025-.030 in. (0.6-0.8 mm)	.035-5/64 in. (0.9-2.0 mm)
1	KP2024-2 <sup>(1)</sup>	KP54A
25	—	KP54A-B25

<sup>(1)</sup> Use KP42-25-x liner with this diffuser when feeding .025-.030 in. wire.

GAS DIFFUSERS 600 A		
Pkg. Qty.	.035-1/16 in. (0.9-1.6 mm)	5/64-1/8 (2.0-3.2 mm)
1	KP56S-SW	KP56S-H
25	—	KP56S-H-B10

<sup>(1)</sup> Permits use of 300 and 400 amp fixed nozzles with 200 amp gun and cable.

<sup>(2)</sup> Permits use of 100 amp contact tips with 200 amp gun and cable.

<sup>(3)</sup> Permits use of 100 amp contact tips and nozzles with Magnum® 250L gun tube.

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**EXPENDABLE PARTS**

**GAS NOZZLES AND INSULATORS**



Adjustable Slip-On Gas Nozzle



Coarse Thread Gas Nozzle



Insulator

**GAS NOZZLES 100 A**

Nozzle	Pkg. Qty.	.37 Nozzle Diameter	.50 Nozzle Diameter	.625 Nozzle Diameter
Fixed Flush	1	—	KP21-50-F	—
Fixed Recessed	1	KP21T-37	KP21T-50	KP21T-62
Gasless Nozzle	1	KP1939-1	—	—
Spot Nozzle	1	—	—	KP21-62-FAS

**GAS NOZZLES 200 A**

Nozzle	Pkg. Qty.	.38 Nozzle Diameter	.50 Nozzle Diameter	.62 Nozzle Diameter
Adjustable Slip-On	1	KP22-37	KP22-50	KP22-62
Adjustable Slip-On	25	KP22-37-B25	KP22-50-B25	KP22-62-B25
Gasless Nozzle	1	KP1947-1	KP1947-1	KP1947-1
Spot Nozzle	1	KP21-62-FAS	KP21-62-FAS	KP21-62-FAS

**GAS NOZZLES 300 A and 400 A**

Nozzle	Pkg. Qty.	.38 Nozzle Diameter	.50 Nozzle Diameter	.62 Nozzle Diameter	.75 Nozzle Diameter
Adjustable Slip-On	1	—	KP24A-50	KP24A-62	—
Adjustable Slip-On	25	—	KP24A-50-B25	KP24A-62-B25	—
Slip-On Recessed	1	KP24A-37-SS	KP24A-50-SS	KP24A-62-SS	—
Slip-On Recessed	25	—	—	KP24A-62-SS-B25	—
Coarse Thread/Tip Recessed 1/8 in.	1	—	—	KP24CT-62-S	KP24CT-75-S
Coarse Thread/Tip Recessed 1/8 in.	25	—	—	KP24CT-62-S-B25	—
Coarse Thread/Tip Recessed 1/4 in.	1	—	—	KP24CT-62-R	KP24CT-75-R
Coarse Thread/Tip Recessed 1/4 in.	25	—	—	KP24CT-62-R-B25	—
Fixed Recessed	1	KP23-37	KP23-50	KP23-62	KP23-75
Fixed Recessed	25	KP23-37-B25	KP23-50-B25	KP23-62-B25	—
Fixed Tapered	1	KP23T-37	—	—	—
Fixed Tapered	25	KP23T-37-B25	—	—	—
Fixed Heavy Duty	1	—	—	KP23H-62	—
Fixed Heavy Duty	25	—	—	KP23H-62-B25	—
Fixed Flush	1	—	KP23-50F	KP23-62F	—
Fixed Flush	25	—	KP23-50F-B25	KP23-62F-B25	—

**GAS NOZZLES 600 A**

Nozzle	Pkg. Qty.	.62 Nozzle Diameter	.75 Nozzle Diameter	.88 Nozzle Diameter
Coarse Thread/Tip Recessed 1/8 in.	1	KP26CT-62	KP26CT-75	—
Coarse Thread/Tip Recessed 1/8 in.	25	—	KP26CT-75-B25	—
Coarse Thread/Tip Recessed 1/4 in.	1	KP26CT-62-R	KP26CT-75-R	—
Self-Insulated/Tip Recessed 1/4 in.	1	—	KP26I-75	—

**INSULATORS**

Nozzle	Pkg. Qty.	200 Amp	300 and 400 Amp	600 Amp
Adjustable Slip-On	1	KP32	—	—
Adjustable Slip-On	25	KP32-B25	—	—
Adjustable Slip-On	1	—	KP34A	—
Adjustable Slip-On	25	—	KP34A-B25	—
Coarse Thread	1	—	KP34CT	—
Coarse Thread	25	—	KP34CT-B25	—
Coarse Thread	1	—	—	KP36CT
Coarse Thread	25	—	—	KP36CT-B25



Magnum® Semiautomatic Guns | [ 7 ]

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## PRODUCT SPECIFICATIONS

Gun Model	Gun Rating Amperage/Duty Cycle/Shielding Gas	Cable Length ft. (m)	Wire Diameter .025-.035 in. (0.6-0.9 mm)	Wire Diameter .035-.045 in. (0.9-1.2 mm)			Wire Diameter .052-1/16 in. (1.3-1.6 mm)			Wire Diameter 1/16-5/64 in. (1.6-2.0 mm)	
			Package	Gun Connector			Gun Connector			Gun Connector	
				Open-End	Fast-Mate™	Package	Open-End	Fast-Mate™	Package	Open-End	Fast-Mate™
Magnum® 100L	100A@40% CO <sub>2</sub>	10 (3.0)	K530-5, K530-6 <sup>(1)</sup>	K530-3 (FCAW-SS only)							
Magnum® 200	200A@60% CO <sub>2</sub>	10 (3.0) 15 (4.5)		K497-2 K497-1	K498-1	K497-21 <sup>(3)</sup>					
Magnum® 250L	250A@40% CO <sub>2</sub>	12 (3.6) 15 (4.5)		K533-7 (Fixed Gas Nozzle) K533-3 (Adjustable Gas Nozzle)							
Magnum® 300	300A@60% CO <sub>2</sub>	10 (3.0) 15 (4.5)		K470-1 K470-2		K1802-1 <sup>(2)</sup>	K470-4			K470-6	
Magnum® 400 STANDARD	400A@60% CO <sub>2</sub>	10 (3.0) 15 (4.5) 20 (6.1) 25 (7.6)		K471-1 K471-2 K471-10 K471-13	K479-2	K2286-1 <sup>(2)</sup> K471-21 <sup>(3)</sup>	K471-4 K471-11 K471-14	K479-4	K471-22 <sup>(3)</sup>	K471-6 K471-15	K479-6
Magnum® 400 DUAL SCHEDULE	400A@60% CO <sub>2</sub>	15 (4.5)						K575-2			
Magnum® 400 DUAL PROCEDURE	400A@60% CO <sub>2</sub>	15 (4.5)		K1722-2							
Magnum® 400 SHORT NECK	400A@40% CO <sub>2</sub>	15 (4.5)		K541-3							

<sup>(1)</sup> Includes 4-pin MS-type connection for trigger control. <sup>(2)</sup> Includes K466-1 Gun Connector Kit. <sup>(3)</sup> Includes K466-10 Gun Connector Kit.

Gun Model	Amperage Rating	Cable Length ft. (m)	Wire Diameter .052-1/16 in. (1.3-1.6 mm)	Wire Diameter 5/64-3/32 in. (2.0-2.4 mm)
			Gun Connector 600 A Open-End	Gun Connector 600 A Open-End
Magnum® 550	550A@60% CO <sub>2</sub>	15 (4.5)	K598-7	K598-11

### 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.

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Ph: 09 274 1246  
info@weldingtechnology.co.nz  
www.weldingtechnology.co.nz

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