

# Tag-A-Long™ Outfits

Gas Equipment 

## Quick Specs

### Typical Applications

Farm and ranch  
Metal fabrication  
Auto repair

### Oxy-Fuel Processes

Cutting  
Welding  
Brazing

### Fuel Gas

Acetylene

### Cutting Capacity

Up to 3/8 in. (10 mm) with included tip  
Up to 6 in. (153 mm) with optional tips

### Welding Capacity

Up to 5/64 in. (1.9 mm) with included tip  
Up to 3/8 in. (10 mm) with optional tips

Portable medium-duty oxy-fuel system for your cutting and welding needs.

**SMITH**  
EQUIPMENT



Tag-A-Long outfit TL-550 shown.

Tag-A-Long outfits include CC509P cutting attachment, WH100 handle, cutting tip, welding tip, oxy and fuel regulators, 12.5 ft. (3.8 m) hose, check valves, single-flint lighter, shade 5 safety glasses, carrier, and oxygen and acetylene cylinders (cylinders NOT included with TL-500).

## Designed for Safety

**Three-tube construction** keeps gases separate in the cutting attachment until mixed at the tip for safety.

**In-tip gas mixing** ensures lowest amount of mixed gas in the system. Sustained backfire can be isolated in the tip, helping protect the operator and the torch.

**Concave-shaped tip end** reduces backfire and resists flameout during accidental contact with the base metal while cutting.

**External relief valve** protects regulator from damage due to inadvertent high-pressure surge. Relief valve will release excessive pressure and automatically reset.

**Dual filters including Sure Seat™** protect regulator high-pressure seat from debris for reliable operation and long service life.

## High Performance

**Silver-brazed torch joints** provide strength, leak resistance and heat protection.

**Nickel-plated torch assembly** provides heat protection.

**Stainless steel ball-style valves** provide smooth adjustment and positive seating to eliminate leaks.

**Internal threads** on handle protect threads from damage if torch is dropped.

**O-ring seals** on cutting attachment and welding tip allow for easy 360-degree rotation to reduce operator fatigue.

**Hand-tighten only** to seat the tip and attachments, saving time and tools when changing tips.

**Graf-Tite™ soft seats** on tips compress and conform to the shape of the torch head for positive seating, eliminating leaks even when tips are nicked. Soft seat withstands extremely high temperature for longer tip life.

**Easy-to-read two-inch gauges** with shatter-resistant polycarbonate lens covers.

**TRUE BLUE**  
3YR. WARRANTY

Cutting attachment and regulators are warranted for three years and torch handle is warranted for five years, parts and labor.



**Underwriters Laboratories (UL) Listed** for gas pressure regulators.



**Electrical Testing Laboratories (ETL) Listed** for oxy-fuel torches and tips.



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## CC509P (Toughcut™) Medium-Duty Cutting Attachment



### Handles everyday cutting needs.

Cuts up to 6-inch (153 mm) thick steel. For use with WH100 medium-duty torch handle.

#### Materials of construction

- Handle, lever and butt: nickel-plated brass
- Tubes: nickel-plated cupronickel
- Valve stem: stainless steel
- Valve packing: PTFE
- Springs: stainless steel
- Silver-brazed assembly
- Stem: stainless steel
- Cutting seat: Buna-N
- Seat retainer: brass
- Gasket: polyester
- Spring retainer: nickel-plated brass
- Backend: nickel-plated brass
- Backend nut: nickel-plated brass
- O-rings: Buna-N

#### Specifications

Length: 11.25 in. (318 mm)  
Weight: 1.1 lb. (0.5 kg)  
Head angle: 90 degrees

**Repair kit** MC101

**Warranty** Three years

Gas Service	Torch Handle		Cutting and Gouging Tips	
	Stock No.	Length	Stock No.	Description
Acetylene	WH100	7 in. (178 mm)	MC12-00 to MC12-5	General cutting tips
			MC13-3	Gouging tip
Propane/natural gas			MC40-0 to MC40-4	General cutting tips

## WH100 Medium-Duty Handle



### Handles everyday cutting, heating and welding needs.

Cuts up to 6-inch (153 mm) thick steel with MC500 series and Toughcut™ CC509P cutting attachments.

#### Materials of construction

- Handle, head, tube and butt: brass
- Valve ball: stainless steel
- Valve stem: bronze
- Valve packing: PTFE
- Valve nut: nickel-plated brass
- Valve knob: nickel-plated zinc
- Silver-brazed assembly

#### Specifications

Length: 7 in. (178 mm)  
Weight: 0.86 lb. (0.39 kg)  
Handle diameter: 15/16 in. (24 mm)

#### Inlet connection

“B” size, 9/16"-18 RH and LH

**Valve assembly replacement** LW17

**Warranty** Five years

Gas Service	Cutting Attachment		Heating Tips		Welding Tips	
	Stock No.	Head Angle	Stock No.	Btu per Hour	Stock No.	Metal Thickness
Acetylene	MC505	75°	MT603	40,125	MW201	1/32 in. (0.7 mm)
	MC509	90°	MT605	73,085	MW203	5/64 in. (1.9 mm)
	CC509P (Toughcut)	90°	MT610*	128,970	MW205	1/8 in. (3 mm)
Propane/ natural gas			MT805	208,000	MW411 (Brazing)	5/8 in. (16 mm)
			MT615	269,000		
Propylene			MT805	280,000	—	—
			MT615	280,000		

\*Two 350 cubic foot acetylene cylinders need to be manifolded together to use this tip.

## Medium-Duty Cutting and Gouging Tips



**MC12-0**  
(included in TL-550 and TL-500 outfits)

### Materials of construction

- Body: tellurium copper
- Seats: graphite
- Seat collars: brass

*Note: Tag-A-Long™ outfits come with an acetylene cutting tip, however the cutting attachment and handle are also compatible with propane tips (see chart at right).*

Tip Number	Metal Thickness Inch (mm)	Pressure (psig)		Gas Consumption (scfh)	
		Oxygen	Acetylene	Oxygen	Acetylene
MC12-00	1/8–3/16 (3–5)	20	10	37	6
MC12-0	1/4–3/8 (6–10)	35–40	10	47–53	6
MC12-1 <sup>1</sup>	1/2–5/8 (13–16)	45–50	10	84–90	7
MC12-2 <sup>1</sup>	3/4–1 (19–25)	50–55	10	118–129	9
MC12-3 <sup>1</sup>	1-1/2–2 (38–51)	55–60	10	182–193	10
MC12-4 <sup>1</sup>	2-1/2–4 (64–102)	65–70	10	263–335	12–13
MC12-5 <sup>1</sup>	5–6 (127–152)	80–90	10	435–500	13
MC13-3 <sup>1,2</sup>	3/8 x 1/4 (10 x 6)	20	10	115	24 <sup>3</sup>
		Oxygen	Propane	Oxygen	Propane
MC40-0	1/4–3/8 (6–10)	35–40	10	40–46	7
MC40-1	1/2–5/8 (13–16)	45–50	10	75–81	7
MC40-2	3/4–1-1/4 (19–32)	50–60	10	107–133	7
MC40-3	1-1/2–2 (38–51)	55–60	10	170–181	7
MC40-4	2-1/2–4 (64–102)	65–75	10	249–320	7

<sup>1</sup> Requires larger cylinders than those supplied with TL-550 outfit.

<sup>2</sup> MC13-3 is a gouging tip. <sup>3</sup> Minimum of one 350 cubic foot cylinder required.

## Medium-Duty Welding and Brazing Tips



**MW203**  
(included in TL-550 and TL-500 outfits)

### Materials of construction

- Tube: copper
- Nut: nickel-plated brass
- Mixing section: nickel-plated brass
- O-rings: Buna-N

*Note: Tag-A-Long™ outfits come with an acetylene welding tip, however the cutting attachment and handle are also compatible with the MW411 propane brazing tip (see chart at right).*

Tip Number	Welding Capacity Inch (mm)	Pressure (psig)		Gas Consumption (scfh)		Drill Size	Length Inch (mm)
		Oxygen	Acetylene	Oxygen	Acetylene		
MW201	1/32 (0.7)	10	10	2.3	2.3	71	7 (178)
MW203	5/64 (1.9)	10	10	3.2	3.2	67	7 (178)
MW205	1/8 (3)	10	10	6	6	57	7 (178)
MW207 <sup>1</sup>	3/16 (5)	10	10	12	12	54	8.5 (216)
MW209 <sup>1</sup>	3/8 (10)	10	10	23	23	49	8.5 (216)
		Oxygen	Propane/ Nat. Gas	Oxygen	Propane/ Nat. Gas		
MW411 <sup>1,2</sup>	5/8 (16)	11	11	51.9	13	40	8.5 (216)

<sup>1</sup> Requires larger cylinders than those supplied with TL-550 outfit.

<sup>2</sup> MW411 is a brazing tip.

# Series 30™ Medium-Duty Single-Stage Regulators



**30-100-540**  
(included with all outfits)



**30-15-200**  
(included with all outfits)

Stock Number	Gas	Gauges (2 inch /51 mm)		Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
		Inlet	Outlet				
30-100-540	Oxygen	4,000 psig (276 bar)	150 psig (10 bar)	100 psig (7 bar)	3,000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
30-15-200	Acetylene	400 psig (28 bar)	30 psig (2 bar)	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 200

Note: Regulators listed above are specifically suited to cylinders included in Tag-A-Long outfits. See Series 30 literature GE/4.0 for all medium-duty regulator options, including models for alternative fuels.

## Ordering Information

Outfits	Stock No.	Description	Qty.	Price
<b>Tag-A-Long™ Outfits</b>	<b>TL-550</b>	With CC509P cutting attachment, WH100 handle, MC12-0 cutting tip, MW203 welding tip, 30-100-540 oxy regulator, 30-15-200 fuel regulator, 12.5 ft. (3.8 m) 3/16 in. (5 mm) "R"-grade hose, H698 regulator-mount check valves, single-flint lighter, shade 5 safety glasses, carrier, "R" 20 cu. ft. oxygen cylinder, and "MC" 10 cu. ft. acetylene cylinder		
	<b>TL-500</b>	Same as TL-550, but with NO cylinders included		
<b>Replacement Parts</b>				
O-ring Replacements	<b>MW15</b>	For CC509P cutting attachment, MW welding tips and MT heating tips (25 per package)		
Torch Head Nut	<b>G690-8</b>	For CC509P cutting attachment		
Cutting Assembly	<b>MC101</b>	For CC509P cutting attachment. Seat assembly with o-rings, pin, packing, gasket and diaphragm		
Valve Assembly	<b>LW17</b>	For WH100. Valve assembly (pair)		
<b>Accessories</b>				
Flashback Arrestors	<b>H743</b>	Torch-mount flashback arrestors (pair)		
Check Valves	<b>H697</b>	Torch-mount reverse-flow check valves (pair)		
Twin-Hose	<b>RL935</b>	For acetylene. 20 ft. (6.1 m) "R"-grade twin-hose, 3/16 in. ID, "B" fittings		
Cylinder Wrench	<b>N230</b>			
Adjustable Circle Cutting Guide	<b>16229</b>	Cuts from 5/8 to 12 in. diameter holes — works with all MC- and SC-style cutting tips		

Date:

Total Quoted Price:

Distributed by:

