

# Outfits

Outfits include just about everything you need to get started on your cutting, welding, brazing or heating projects. Our heavy-duty, medium-duty and Versa-Torch™ torches are covered by our True Blue® lifetime torch warranty – the best in the industry, and the only warranty that covers normal wear and tear. The Toughcut™ and Tag-A-Long™ torches are backed by a 3-year limited warranty.

Outfits



## Heavy-Duty Outfits (pages 4–5)

Our premium heavy-duty outfits are capable of performing almost any cutting, welding, brazing or heating operation with the widest array of general and special-purpose tip options available. The rugged high-flow torch is capable of cutting up to 8-inch-thick steel and accommodates large heating tips, while the one-piece hand-cutting torches will cut up to 12 inches. These robust torches and regulators provide maximum durability even in the harshest environments.



## Medium-Duty Outfits (page 6)

Our medium-duty outfits are capable of a wide range of cutting, welding, brazing or heating applications, and provide excellent agility for precision cutting operations of up to 6 inches. These outfits feature quality construction throughout, and the torch and regulators are built to provide years of reliable service.



## Toughcut™ Outfits (page 7)

Toughcut medium-duty outfits are value priced and capable of cutting, welding, brazing or heating. The torch design provides excellent agility for precision cutting operations of up to 6 inches. This series includes many of the features of more expensive outfits, while remaining an economical, yet highly flexible option.



## Tag-A-Long™ and Versa-Torch™ Outfits (page 8)

These complete, portable oxy-acetylene outfits weigh less than 35 pounds, and are housed in polyethylene carriers designed for mobility and ease of storage. Outfits are capable of performing many welding, brazing or soldering operations, as well as precision cutting. The Versa-Torch with a broad selection of attachments available, is ideal for many specialty applications.

## Heavy-Duty Cutting, Welding & Heating

Outfits



**HBA-40510**

**Cuts up to 8 inches (203 mm)** with optional tips  
**Welds up to 1/2 inch (13 mm)** with optional tips

These premium heavy-duty outfits feature our proven in-tip gas mixing technology and *include torch-mount flashback arrestors*. This combination greatly improves operator safety and increases torch life. The outfits feature rugged, highly accurate brass regulators. Outfits with Series 40™ regulators feature 2.5-inch (Series 30™, 2-inch) corrosion-resistant gauges and shatter-resistant polycarbonate lenses. Outfits are complete with safety and operations manual.

*Note: Welding may require additional equipment depending on which outfit is ordered. See chart below.*



Torches are covered by our lifetime warranty when used with authentic Miller | Smith tips. Regulators are covered by a three-year limited warranty.



**HBA-40510 / HBA-40300**  
with heavy-duty regulators



**HBA-30510 / HBA-30300**  
with medium-duty regulators



**HBA-30510LP / HBA-30510MP**  
with medium-duty regulators

*Note: All outfits packaged in outfit box shown above. Cutting capacity with tips supplied in acetylene outfits is up to 1-1/4 inches (32 mm).*

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tip	Heating Tip	Oxygen Regulator	Fuel Gas Regulator	Includes
<b>HBA-40510</b>	Acetylene	WH200A	SC209	SC12-1 SC12-2	SW205	ST602	40-175-540 CGA 540	40-15-510 CGA 510	25-ft. (7.6 m) 1/4-in. (6 mm) twin hose, lighter, safety glasses, tip cleaner, H743 torch-mount flashback arrestors, operations manual  Propane/Propylene (LP/MP) outfits include 20-ft. (6.1 m) 1/4-in. (6 mm) "T" grade hose and check valves, not flashback arrestors
<b>HBA-40300</b>								40-15-300 CGA 300	
<b>HBA-30510</b>	Acetylene	WH200A	SC209	SC12-1	SW205	ST602	30-100-540 CGA 540	30-15-510 CGA 510	
<b>HBA-30300</b>								30-15-300 CGA 300	
<b>HBA-30510LP</b>	Propane or Natural Gas	WH200A	SC209	SC40-1	—	ST615	30-100-540 CGA 540	30-50-510 CGA 510	
<b>HBA-30510MP</b>	Propylene	WH200A	SC209	SC60-1	—	ST815		30-50-510 CGA 510	

## Heavy-Duty Cutting



**HBS-H510S**  
**HBS-H300S**

**Cuts up to 12 inches (305 mm)** with optional tips

Hand cutting torch outfits are built for the toughest jobs. They feature a SC229 nickel-plated cutting torch with a reversible cutting lever and an ease-on oxygen design for smooth starts and restarts. These outfits come with heavy-duty Series 40™ regulators which feature 2.5-inch polished brass gauges for corrosion resistance, shatter-resistant polycarbonate lenses, and stainless steel diaphragms for extended service life in the toughest applications. The HB190 Hard Hat™ gauge/regulator guards are made from rugged steel. Outfits are complete with safety and operations manual.



Torches are covered by our lifetime warranty when used with authentic Miller | Smith tips. Regulators are covered by a three-year limited warranty.



**HBAS-30510**  
**HBAS-30300**

**Cuts up to 12 inches (305 mm)** with optional tips

Hand cutting torch outfits are built for the toughest jobs. They feature a SC229 nickel-plated cutting torch with a reversible cutting lever and an ease-on oxygen design for smooth starts and restarts. These outfits come with medium-duty Series 30™ regulators which feature 2-inch corrosion-resistant gauges and shatter-resistant polycarbonate lenses. Outfits are complete with safety and operations manual.



Note: Cutting capacity with tips supplied in HBS outfit is up to 1-1/4 inches (32 mm). Cutting capacity with tips supplied in HBAS outfit is up to 5/8 inch (16 mm).

Stock Number	Fuel Gas	Cutting Torch	Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Includes
<b>HBS-H510S</b>	Acetylene	SC229	SC12-2	40-175-540S CGA 540	40-15-510S CGA 510	HB190 Hard Hat gauge/regulator guard, operations manual
<b>HBS-H300S</b>					40-15-300S CGA 300	
<b>HBAS-30510</b>	Acetylene	SC229	SC12-1	30-100-540 CGA 540	30-15-510 CGA 510	20-ft. (6.1 m) 3/16-in. (5 mm) twin hose, lighter, safety glasses, tip cleaner, H743 torch-mount flashback arrestors, operations manual
<b>HBAS-30300</b>					30-15-300 CGA 300	

## Medium-Duty Cutting, Welding & Heating

Outfits



**MBA-30300**

**Cuts up to 6 inches (153 mm)** with optional tips  
**Welds up to 3/8 inch (9.8 mm)** with optional tips

These premium medium-duty outfits feature quality construction throughout and are built to provide reliability and extended service. Outfits feature our proven in-tip gas mixing technology and *include torch-mount flashback arrestors*. This combination greatly improves operator safety and increases torch life. Outfits feature rugged, highly accurate Series 30™ regulators with 2-inch gauges constructed with Sure Seat™ technology and shatter-resistant polycarbonate lenses. Outfits are complete with safety and operations manual.

*Note: Welding may require additional equipment depending on which outfit is ordered. See chart below.*



Torches are covered by our lifetime warranty when used with authentic Miller | Smith tips. Regulators are covered by a three-year limited warranty.



**MBA-30510 / MBA-30300**



**MBA-30510LP / MBA-30510MP**

*Note: All outfits packaged in outfit box shown above. Cutting capacity with tips supplied in acetylene outfits is up to 5/8 inch (16 mm). Welding capacity is up to 1/8 inch (3 mm).*

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tip	Heating Tip	Oxygen Regulator	Fuel Gas Regulator	Includes	
<b>MBA-30510</b>	Acetylene	WH100	MC509	MC12-0	MW205	MT603	30-100-540 CGA 540	30-15-510 CGA 510	20-ft. (6.1 m) 3/16-in. (5 mm) twin hose, lighter, safety glasses, tip cleaner, H743 torch-mount flashback arrestors, operations manual	
<b>MBA-30300</b>				MC12-1				30-15-300 CGA 300		
<b>MBA-30510LP</b>	Propane or Natural Gas	WH100	MC509	MC40-1	—	MT805	30-100-540 CGA 540	30-50-510 CGA 510		Propane/Propylene (LP/MP) outfits include 20-ft. (6.1 m) 1/4-in. (6 mm) "T" grade hose and check valves, not flashback arrestors
<b>MBA-30510MP</b>	Propylene	WH100	MC509	MC60-1	—	MT805				

## Toughcut™ Cutting, Welding & Heating

Outfits



**MB55A-510**

**Cuts up to 6 inches (153 mm)** with optional tips  
**Welds up to 3/8 inch (9.8 mm)** with optional tips

Versatile Toughcut outfits include many features found on more expensive outfits. The Toughcut series is perfect for a multitude of applications such as farm, ranch, hobby, automotive, refrigeration, light fabrication, and repair. Outfits feature rugged, reliable Series 30™ medium-duty regulators, and are complete with safety and operations manual.

*Note: Welding and heating may require additional equipment depending on which outfit is ordered. See chart below.*



Torches and regulators are covered by a three-year limited warranty.



**MB55A-510 / MB55A-300**



**MB54A-510 / MB54A-300**



**MB54-510L / MB54-300L**

*Note: All outfits packaged in clam shell shown above. Cutting capacity with tips supplied in acetylene outfits is up to 5/8 inch (16 mm). Welding capacity is up to 1/8 inch (3 mm).*

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tip	Heating Tip	Oxygen Regulator	Fuel Gas Regulator	Includes
<b>MB55A-510</b>	Acetylene	CW5A	CC509P	MC12-1	MW205	MT603	30-100-540 CGA 540	30-15-510 CGA 510	20-ft. (6.1 m) 3/16-in. (5 mm) twin hose, lighter, safety glasses, safety check valves, operations manual
<b>MB55A-300</b>								30-15-300 CGA 300	
<b>MB54A-510</b>	Acetylene	CW5A	CC509P	MC12-1	MW205	—	30-100-540 CGA 540	30-15-510 CGA 510	
<b>MB54A-300</b>								30-15-300 CGA 300	
<b>MB54A-B9</b> British fitting	Acetylene	CW5A	CC509P	MC12-1	MW205	—	30-100-B9 G5/8A-14RH	30-15-B9 G5/8A-14LH	
<b>MB54-510L</b>	Acetylene	CW5A	CC509P	MC12-1	MW205	—	30-100-540 CGA 540	30-15-510 CGA 510	Safety glasses, safety check valves, operations manual
<b>MB54-300L</b>								30-15-300 CGA 300	
<b>MB54A-510LP</b>	Propane	CW5A	CC509P	MC40-1	—	—	30-100-540 CGA 540	30-50-510 CGA 510	20-ft. (6.1 m) 1/4-in. "T" grade hose, lighter, safety glasses, safety check valves, operations manual
<b>MB54A-510MP</b>	Propylene	CW5A	CC509P	MC60-1	—	—			

## Tag-A-Long™ and Versa-Torch™

Outfits



TL-550

VT-4T



Versa-Torch torch is covered by our lifetime warranty when used with authentic Miller | Smith tips.

Tag-A-Long torch and all regulators are covered by a three-year limited warranty.

### TL-550/TL-500 Tag-A-Long Outfits (Acetylene)

Portable, lightweight Tag-A-Long cutting and welding outfits are ready to go where you need them. Compact design stores easily for road travel or when not in use. Series 30™ regulators provide efficient and dependable control of gases. The high-density polyethylene carrier is extremely durable and includes a hose wrap and covered storage compartment for accessories. Outfit also includes reverse flow check valves for added safety plus safety and operations manual.

### VT-4T Versa-Torch Outfit

This is one of the most versatile systems on the market. A broad selection of cutting, welding and specialty attachments (see below) makes the Versa-Torch ideal for manufacturing, maintenance and repair, air conditioning, refrigeration, plumbing, metal fabrication, jewelry, metal sculpture and many other applications. The Versa-Torch outfit features a lightweight nickel-plated torch handle and cutting attachment. The high-density polyethylene carrier is rugged and lightweight. Outfit also includes reverse flow check valves for added safety plus safety and operations manual.

**Both the Tag-A-Long and Versa-Torch outfits use "MC" medium-duty cutting tips.**

### Versa-Torch Brazing/Soldering Tip Selection

Tip Number	Brazing Capacity Copper Pipe Dia. Inches (mm)	Drill Size
AW201	1/4 – 3/8 (6 – 10)	71
AW203	3/8 – 5/8 (10 – 16)	67
AW205	1/2 – 7/8 (12 – 22)	57
AW207	5/8 – 1-3/8 (16 – 35)	54
AW209	3/4 – 2-1/8 (19 – 54)	49
AW210	7/8 – 2-5/8 (22 – 65)	44
LT103	1/2 – 3/4 (12 – 19)	63
LT104	5/8 – 1 (16 – 25)	56
LT106	3/4 – 1-1/2 (19 – 38)	52
NE153	5/8 – 1 (16 – 25)	44
NE154	7/8 – 1-5/8 (22 – 41)	36

  

Tip Number	Output BTU/Hour	Consumption (SCFH)	
		Oxygen	Fuel
AT605	41,230	32	29
13716	16,080	17	17
13715	16,600	38	12

See page 11 for standard for AW1A Versa-Torch torch handle.  
See page 38 for Kevlar brazing hose 14779-4-10.

Cutting capacity with tips supplied in outfits is up to 3/8 inch (10 mm). Welding capacity is up to 1/8 inch (3 mm).

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding/Brazing Tip	Oxygen Regulator	Fuel Gas Regulator	Includes
TL-500 (No Tanks)	Acetylene	CW5A	CC509P	MC12-0	MW203	30-100-540 CGA 540	30-15-200 CGA 200	12.5-ft. (3.8 m) 3/16-in. (5 mm) twin hose, carrier, lighter, safety glasses, regulator-mount safety check valves, operations manual, "R" 20-cu.-ft. oxygen and "MC" 10-cu.-ft. acetylene cylinders (cylinders not included with TL-500)
TL-550								
VT-4T	Acetylene	AW1A	AC309	MC12-00	LT103 LT104 LT106	30-100-540 CGA 540	30-15-200 CGA 200	12.5-ft. (3.8 m) 3/16-in. (5 mm) twin hose, carrier, lighter, safety glasses, regulator-mount safety check valves, operations manual, "R" 20-cu.-ft. oxygen and "MC" 10-cu.-ft. acetylene cylinders, AT60 tip tube, 13716 heating head

## Combination Torch and Tip Packages

Outfits



**16206**  
heavy-duty



**16205**  
medium-duty



### Combination torch with cutting, welding and heating tips plus flashback arrestors

**Heavy-duty**  
Cuts up to 8 inches (203 mm) with optional tips  
Welds up to 1/2 inch (13 mm) with optional tips

**Medium-duty**  
Cuts up to 6 inches (153 mm) with optional tips  
Welds up to 3/8 inch (9.8 mm) with optional tips

These premium, versatile kits come with tips to do most jobs. They include either our classic SC or MC cutting assembly with a heating tip, welding tip, cutting tip and torch-mount flashback arrestors, plus safety and operations manual. Torches are capable of cutting up to 5/8 inch (16 mm) with tip included. Our thick-wall welding and heating tips hold up well to excess heat and are capable of providing years of service. The Graf-Tite® cutting tip seats hold up far longer and require less replacement than traditional metal-to-metal seats. Torches may be used with alternate fuel gases and tips designated for alternate fuel.



Torches are covered by our lifetime warranty when used with authentic Miller | Smith tips.



**16280**  
heavy-duty



**16281**  
medium-duty

### Combination torch with cutting tips plus flashback arrestors

**Heavy-duty**  
Cuts up to 8 inches (203 mm) with optional tips  
Welds up to 1/2 inch (13 mm) with optional tips

**Medium-duty**  
Cuts up to 6 inches (153 mm) with optional tips  
Welds up to 3/8 inch (9.8 mm) with optional tips

These premium kits come with either our classic SC or MC cutting assembly with two cutting tips and torch-mount flashback arrestors, plus safety and operations manual. Torches in the acetylene outfits are capable of cutting up to 5/8 inch (16 mm) with tips included. The Graf-Tite® cutting tip seats hold up far longer and require less replacement than traditional metal-to-metal seats. Torches may be used with alternate fuel gases and tips designated for alternate fuel.

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tip	Heating Tip	Includes
<b>16206</b> (Heavy-duty)	Acetylene	WH200A	SC209	SC12-1	SW203	ST602 (40,000 Avg. BTU/Hr.)	H743 torch-mount flashback arrestors, operations manual
<b>16205</b> (Medium-duty)	Acetylene	WH100	MC509	MC12-1	MW203	MT603 (40,000 Avg. BTU/Hr.)	
<b>16280</b> (Heavy-duty)	Acetylene	WH200A	SC209	SC12-0, SC12-1	—	—	H743 torch-mount flashback arrestors, operations manual
<b>16281</b> (Medium-duty)	Acetylene	WH100	MC509	MC12-0, MC12-1			
<b>16280LP</b> (Heavy-duty)	Propane	WH200A	SC209	SC40-0, SC40-1			
<b>16281LP</b> (Medium-duty)	Propane	WH100	MC509	MC40-0, MC40-1			