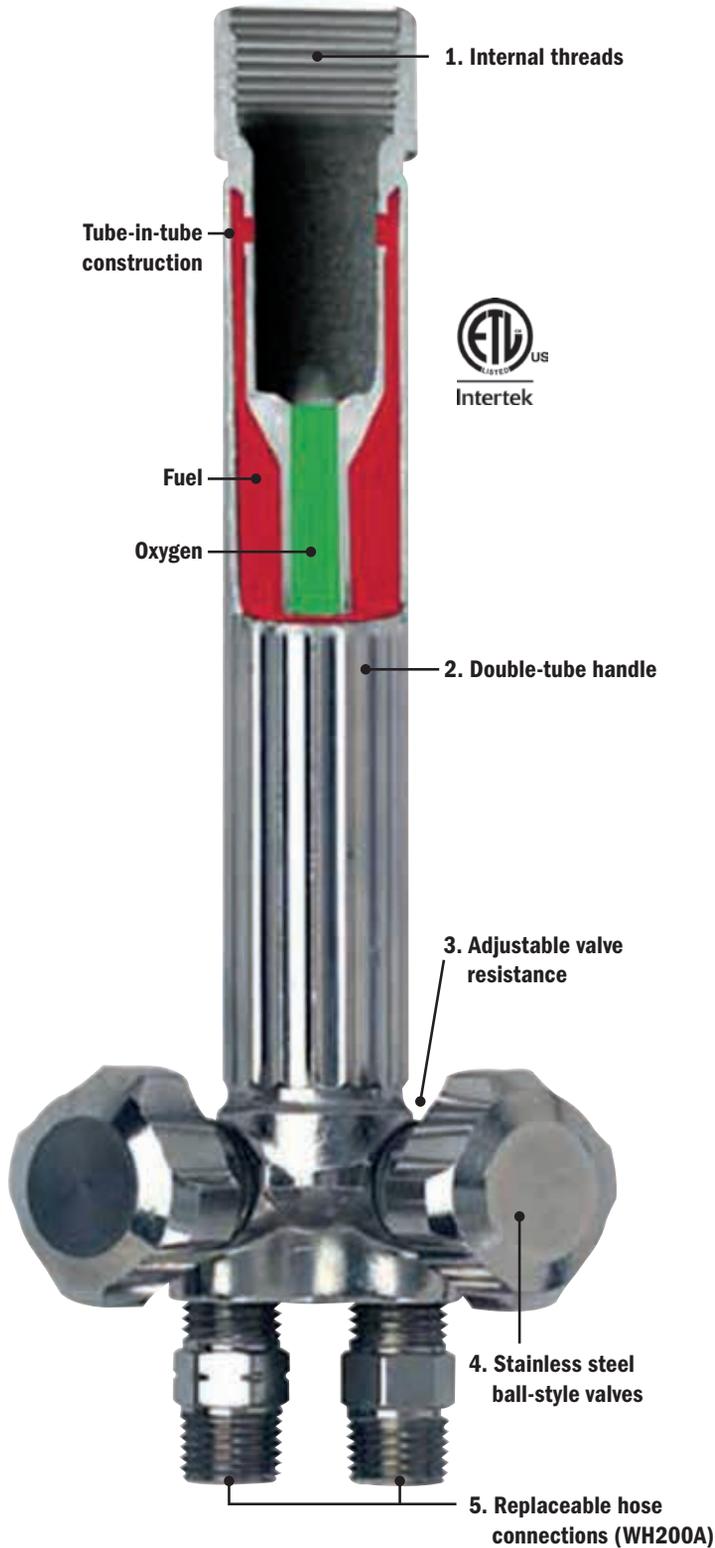


Torches

Torch Handles

Torches



Our torch handles are 100-percent tested and inspected. They are available in three capacities to match any job requirement: heavy-duty, medium-duty and standard-duty.

Torches have silver-brazed joints to provide overall strength and rigidity for safe performance under rugged conditions. Torch handles are individually tested to maintain our reputation for quality and dependable performance.



Torch handles are covered by our lifetime warranty when used with authentic Miller | Smith tips. CW5A Toughcut™ handle has a 3-year limited warranty.

Construction features

- 1 Internal threads**
Threads are protected from damage if the torch is dropped, eliminating costly torch repair, replacement or downtime.
- 2 Double-tube handle**
Tube-within-a-tube design provides strength while reducing weight. Internal tube is silver brazed for extra protection, strength and leak resistance.
- 3 Adjustable valve resistance**
Special PTFE packing provides a gas-tight seal while allowing the “drag” to be adjusted to the individual preference.
- 4 Stainless steel ball-style valves**
Corrosion-resistant balls and brass seating surfaces provide gall resistance and positive, chatter-free seating.
- 5 Replaceable hose connections (WH200A)**
Connections are easily replaced if damaged on the heavy-duty WH200A handle.

Fuel Gas Chart

Generic Name	Trade Name
Acetylene	—
Propane and Propane-Based Mixtures	Propane-butane, Flamex, Acetogen, Chem-O-Lene, Florida Industrial Gas, Hy-Temp, Fuel Gas, I.G. Gas, Chem-Gas, Lingas, Chemtone
Propylene	HPG, Apachi, B-Plus, Gulf HP Gas, HEF, Liquifuel, B.T.U.
Natural Gas (Methane)	Natural Gas, City Gas

Heavy-Duty Handle



WH200A

Length: 7.5 inches (191 mm)
 Weight: 1.01 lb. (0.46 kg)
 Handle diameter: 1 inch (25.4 mm)

Valve assembly replacement

G729-5A (also for SW1A, SW1B and WH200)

WH200A

Heavy-duty handle allows high gas flow for large cutting tips and heating tips. Heavy-duty handles have replaceable hose connections. "B"-size inlet connections are 9/16"-18. WH200A torch handle is covered by our lifetime warranty when used with authentic Miller | Smith tips.

Compatible cutting attachments

SC209, SC200, SC205, SC509, DG205, DG209 and DG200

Compatible tips

Welding: SW200 and SW400 Series
 Heating: ST600 and ST800 Series

Medium-Duty Handles



WH100 and CW5A

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

Valve assembly replacement

LW17 (also for MW5 and MW5A)

WH100

CW5A (Toughcut™ handle)

Easy handling, high-quality mid-size torch handle. Handles all but the highest volume heating and heaviest welding needs. Features rugged silver-brazed construction, forged brass butt and precision machined brass head. Stainless steel ball-type valves reduce uneven valve wear and provide easy flame adjustment. "B"-size inlet connections are 9/16"-18 right and left hand. WH100 torch handle is covered by our lifetime warranty when used with authentic Miller | Smith tips.

Note: CW5A Toughcut handle has a 3-year limited warranty and is not covered by our lifetime warranty.

Compatible cutting attachments

MC505, MC509 and DG109A

Compatible tips

Welding: MW200 and MW400 Series
 Heating: MT600 and MT800 Series

Standard-Duty Handle



AW1A

Length: 5.75 inches (146 mm)
 Weight: 0.37 lb. (0.17 kg)
 Handle diameter: 11/16 inch (17 mm)

Valve assembly replacement

AW11A

AW1A Airline™

Specially designed to handle standard-duty welding, brazing, cutting and fabricating. Light weight and compact size provide easy handling, even in confined areas. Needle valves located at front end for easy one-hand flame adjustment. "A"-size inlet connections are 3/8"-24 right and left hand. AW1A torch handle is covered by our lifetime warranty when used with authentic Miller | Smith tips.

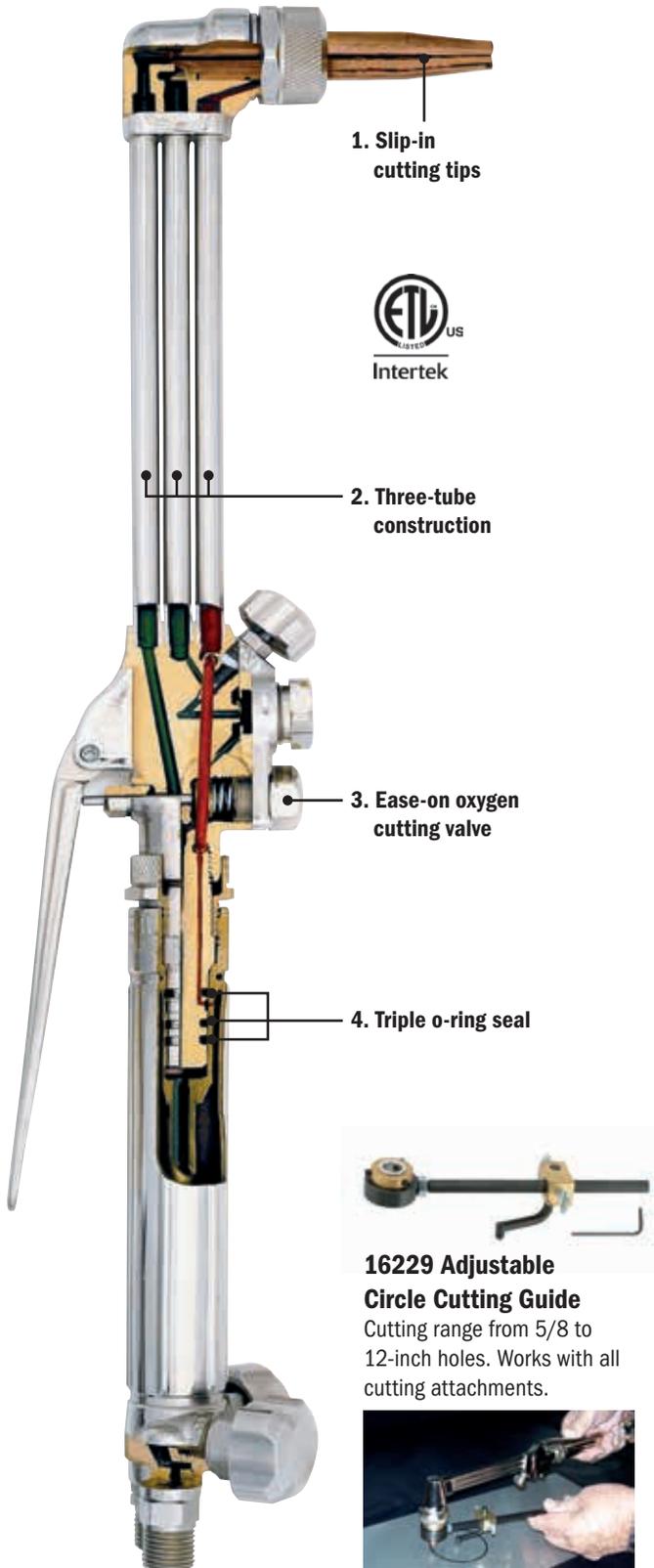
Compatible cutting attachment

AC309

Compatible tips

Welding: AW200 and AW400 Series
 Heating: AT600 Series
 Twin Flame Tips: AT600 and AT600X6

Cutting Attachments



1. Slip-in cutting tips



2. Three-tube construction

3. Ease-on oxygen cutting valve

4. Triple o-ring seal

16229 Adjustable Circle Cutting Guide
Cutting range from 5/8 to 12-inch holes. Works with all cutting attachments.



Our premium-quality cutting attachments are 100-percent tested and inspected. They are available in three capacities to match any job requirement: heavy-duty, medium-duty and standard-duty.

Cutting attachments have silver-brazed joints to provide overall strength and rigidity for safe performance under rugged conditions. Attachments are individually tested to maintain our reputation for quality and dependable performance.



Cutting attachments are covered by our lifetime warranty when used with authentic Miller | Smith tips. CC509P Toughcut™ attachment has a 3-year limited warranty.

Construction features

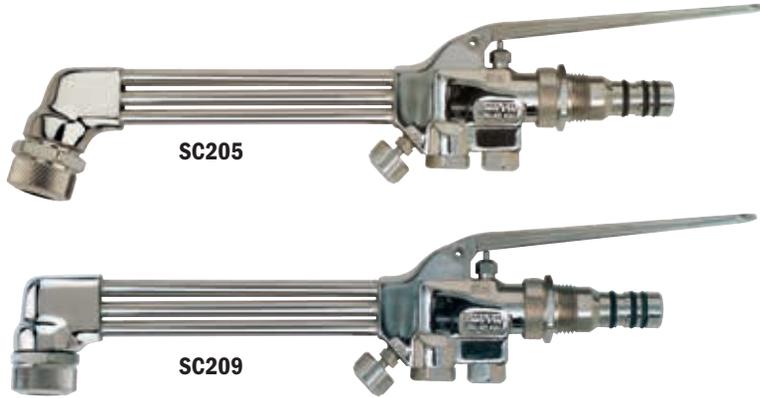
- 1 Slip-in cutting tips**
Save time when changing tips — no wrench needed. Resilient Graf-Tite® seat material protects tip from nicking and maintains positive seating. Requires less replacement than metal-to-metal seat designs.
- 2 Three-tube construction**
Gases are kept separated, eliminating mixing tube burnout. Our thick-wall, high-capacity stainless steel tubes provide high gas flow and superior strength.
- 3 Ease-on oxygen cutting valve**
Allows smooth piercing and keyhole free starts and restarts.
- 4 Triple o-ring seal**
Provides positive gas seating, and allows rotation during operation eliminating hose resistance during cutting.

Cutting Tip Compatibility

Attachment Number	Tip Compatibility
SC205 and SC209	Acetylene: SC12-00 thru SC12-5, SC56-1 thru SC56-5
	Propane and Propane-Based: SC40-0 thru SC40-4, SC46-2 thru SC46-5, SC50-00 thru SC50-5
	Propylene: SC60-0 thru SC60-5, SC36-1 thru SC36-4
	SC Series Special-Purpose Tips (except SC112 and SC83)
MC505, MC509, and CC509P*	Acetylene: MC12-00 thru MC12-5 (AC309: thru MC12-4)
	Propane and Propane-Based: MC40-00 thru MC40-4
	Propylene: MC60-0 thru MC60-4
AC309	MC Series Special-Purpose Tips

*Supplied in Toughcut™ outfits — 3-year warranty.

Heavy-Duty Attachments



SC205 and SC209

Length: 12.5 inches (318 mm)

Weight: 1.83 lb. (0.83 kg)

Head angle: 75 degrees (SC205), 90 degrees (SC209)

Repair kit

SC101 (also for DG200 Series)

SC200 Series

Cuts up to 8-inch (203 mm) thick steel. Solid silver-brazed construction. Features o-ring seating and easy-to-change slip-in Graf-Tite® cutting tips with cost-saving soft seats. Use with any industrial fuel gases – acetylene, propane, natural gas, propylene, hydrogen, and many others. Several models of standard and special-purpose tips are available for use in SC200 Series cutting attachments. SC200 series torch handles are covered by our lifetime warranty when used with authentic Miller | Smith tips.

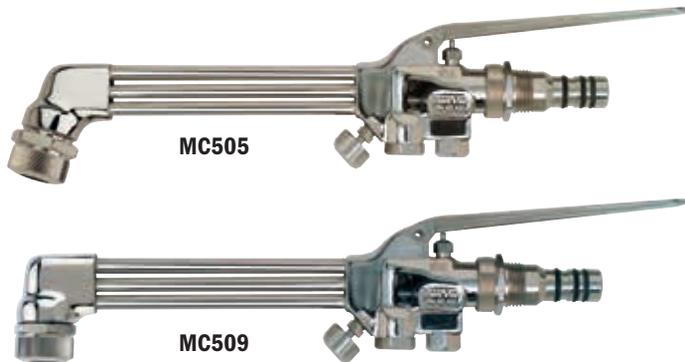
Compatible handles

WH200A, WH200, SW1B, SW1A and SW1

Compatible cutting tips

See SC Series tips on pages 28–30

Medium-Duty Attachments



MC505, MC509 and CC509P

Length: 11.25 inches (286 mm)

Weight: 1.1 lb. (0.5 kg)

Head angle: 75 degrees (MC505), 90 degrees (MC509)

Repair kit

MC101 (also for DG100 Series)

MC500 Series

CC509P (Toughcut™ attachment)

Popular medium-duty cutting attachment easily cuts up to 6-inch (153 mm) steel. Solidly constructed to last a lifetime – silver-brazed joints, stainless steel tubes, brass forged butt and head. This torch has the same quality features and construction as the larger and heavier Miller | Smith cutting attachments. Use with any industrial fuel gases – acetylene, propane, butane, natural gas, propylene, hydrogen and many others. MC500 series torch handles are covered by our lifetime warranty when used with authentic Miller | Smith tips.

Note: CC509P Toughcut attachment has a 3-year limited warranty and is not covered by our lifetime warranty.

Compatible handles

WH100, CW5A, MW5A and MW5

Compatible cutting tips

See MC Series tips on page 31

Standard-Duty Attachment



AC309

Length: 8.5 inches (216 mm)

Weight: 1 lb. (0.44 kg)

Head angle: 90 degrees

AC309 Airline™

Small, lightweight cutting attachment with cutting capacity up to 3-inch thick (76 mm) steel. This torch has the same quality construction and features built into each Miller | Smith cutting attachment. AC309 torch handle is covered by our lifetime warranty when used with authentic Miller | Smith tips.

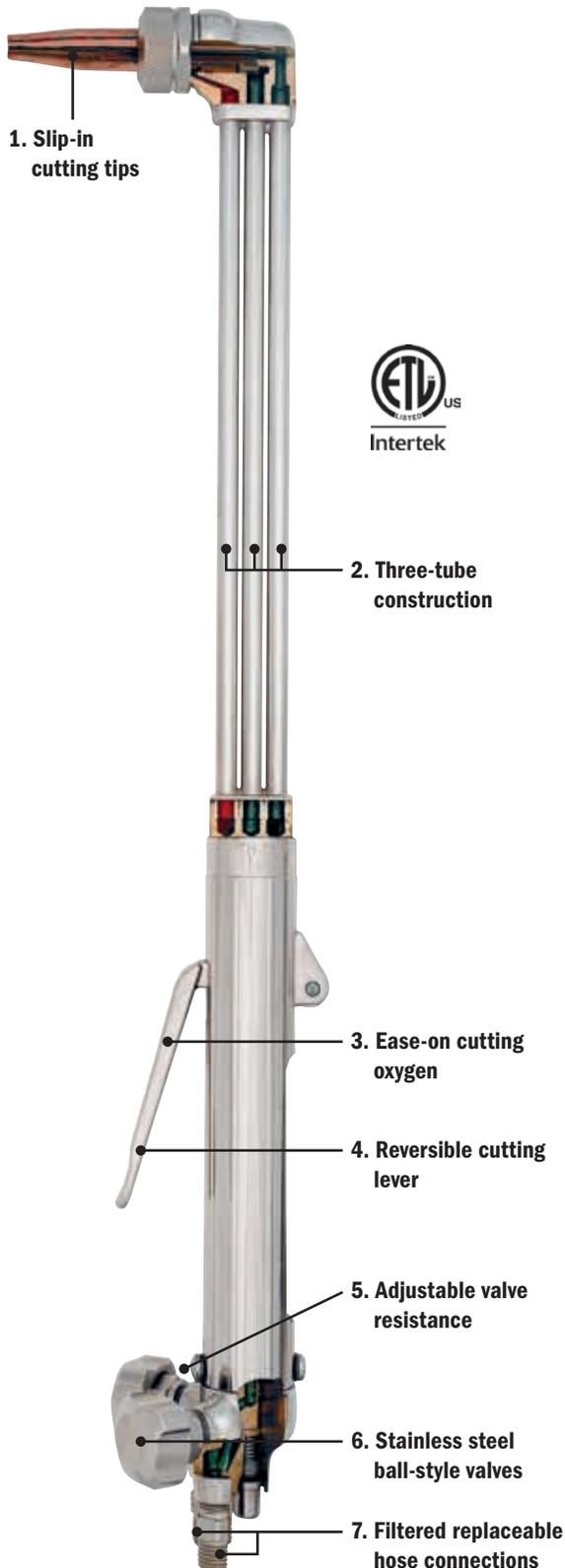
Compatible handles

AW1A and AW10A

Compatible cutting tips

See MC Series tips on page 31

Hand Cutting Torches



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

Our hand cutting torches are heavy-duty capacity, and 100-percent tested and inspected.

Cutting torches feature solid construction and ease of operation for hundreds of jobs in construction, fabricating, shipyards, salvage and other related industries. Torches have silver-brazed joints throughout, heads and butts are machined from dense forgings, and stainless steel ball-style control valves provide positive gas shut-off. Torches are individually tested to maintain our reputation for quality and dependable performance.

Construction features

- 1 Slip-in cutting tips**
Save time when changing tips – no wrench needed. Resilient Graf-Tite® seat material protects tip from nicking and maintains positive seating. Requires less replacement than metal-to-metal seat designs.
- 2 Three-tube construction**
Gases are kept separated, eliminating mixing tube burnout. Our thick-wall, high-capacity stainless steel tubes provide high gas flow and superior strength.
- 3 Ease-on cutting oxygen**
Exceptionally smooth application of cutting oxygen reduces keyholing and slag blowback without sacrificing extremely high cutting capacity.
- 4 Reversible cutting lever**
Top- or bottom-mount lever for ease of use.
- 5 Adjustable valve resistance**
Special PTFE packing provides a gas-tight seal while allowing the “drag” to be adjusted to the individual preference.
- 6 Stainless steel ball-style valves**
Provides smooth adjustment and positive seating.
- 7 Filtered replaceable hose connections**
Connections are easily replaced if damaged. Filters keep debris from entering the cutting mechanism and high-pressure seat.

Heavy-Duty Torches



SC229



SC229S

SC175 and SC179

Length: 17 inches (432 mm)
 Weight: 2.6 lb. (1.18 kg)
 Head angle: 75 degrees (SC175)
 90 degrees (SC179)

SC225, SC225S, SC229, SC229S and SC220

Length: 20.5 inches (521 mm) except SC220
 21 inches (533 mm) for SC220
 Weight: 2.7 lb. (1.22 kg)
 Head angle: 75 degrees (SC225 and SC225S)
 90 degrees (SC229 and SC229S)
 180 degrees (SC220)

SC365, SC369 and SC360

Length: 36 inches (914 mm)
 Weight: 3.3 lb. (1.5 kg)
 Head angle: 75 degrees (SC365)
 90 degrees (SC369)
 180 degrees (SC360)

Repair kit

SC100 (also for DG100, DG200 and DG300 Series)

Valve assembly replacement

LW14B-1 (also for SW1 and DG200 Series)

SC Series

Cuts up to 12-inch (305 mm) thick steel. Features sintered metal inlet filters, o-ring seating and easy-to-change slip-in Graf-Tite® cutting tips with cost-saving soft seats. Super-tough, thick-wall brass forged heads reduce warping and distortion. SC225S and SC229S have even thicker-walled heads for more severe service and applications. Use with any industrial fuel gases — acetylene, propane, natural gas, propylene, hydrogen, and many others. Several models of standard and special purpose tips are available for use in SC Series cutting torches. Cutting torches are covered by our lifetime warranty when used with authentic Miller | Smith tips.

Cutting Tip Compatibility

Torch Number	Tip Compatibility (see pages 28–30)
All SC Series Torches	Acetylene: SC12-00 thru SC12-6, SC56-1 thru SC56-5
	Propane and Propane-Based: SC40-0 thru SC40-4, SC46-2 thru SC46-6, SC50-00 thru SC50-6
	Propylene: SC60-0 thru SC60-6, SC36-1 thru SC36-6
	SC Series Special-Purpose Tips



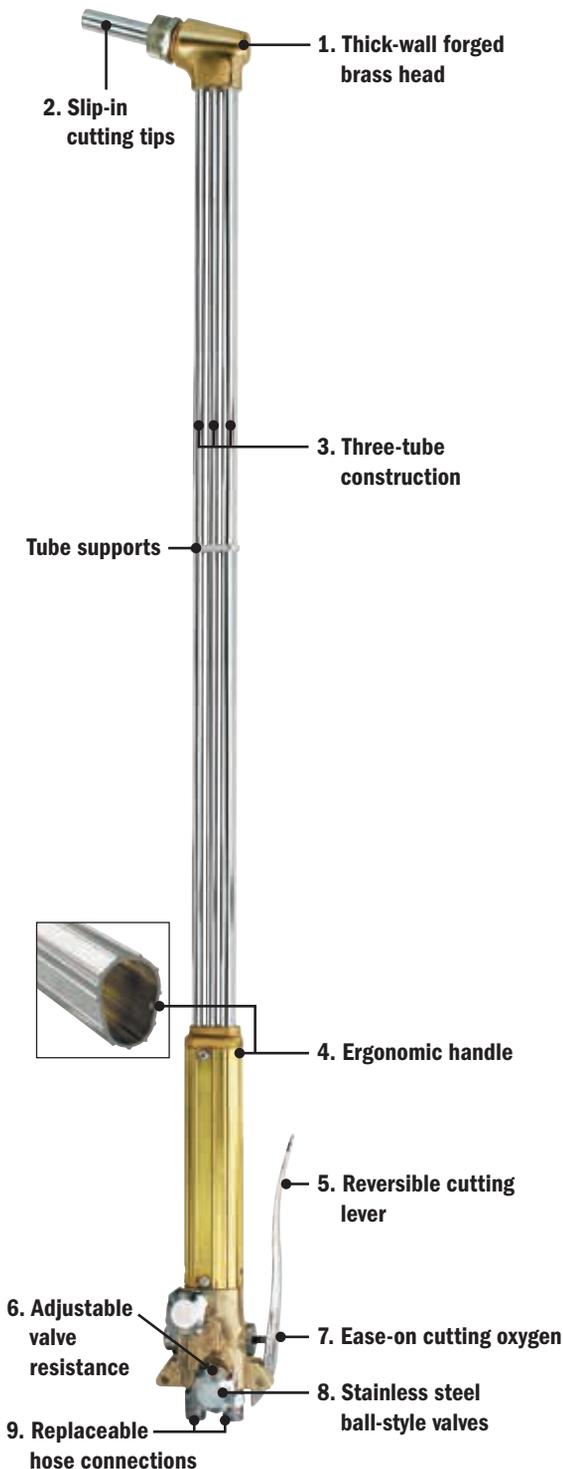
16229 Adjustable Circle Cutting Guide

Cutting range from 5/8 to 12-inch holes. Works with all hand cutting torches.



Gas Axe™ Hand Cutting Torches

Torches



CAUTION: Flashback arrestors

Gas Axe torches must be used in conjunction with high-flow flashback arrestors.

Gas Axe™ extra-heavy-duty torches are 100-percent tested and inspected, and are ideal for scrap and demolition cutting.

Safety engineered; designed for severe applications. Excellent for use with propane or natural gas. Works with all gases including propane/propylene-based fuels, natural gas and acetylene. Extra-high-capacity cuts up to 24 inches (610 mm) with acetylene. Cuts up to 20 inches (508 mm) with propane.

Construction features

- 1 Thick-wall forged brass head**
Super-tough, thick-walled head reduces heat warping and damage.
- 2 Slip-in cutting tips**
Save time when changing tips – no wrench needed. Resilient Graf-Tite® seat material protects tip from nicking and maintains positive seating. Requires less replacement than metal-to-metal seat designs.
- 3 Three-tube construction**
Gases are kept separated, eliminating mixing tube burnout. Our thick-wall, high-capacity stainless steel tubes provide high gas flow and superior strength.
- 4 Ergonomic handle**
Thick, durable brass raised-rib handle for comfort and positive grip. Adds comfort and reduces operator fatigue.
- 5 Reversible cutting lever**
Top- or bottom-mount lever for ease of use.
- 6 Adjustable valve resistance**
Special PTFE packing provides a gas-tight seal while allowing the “drag” to be adjusted to the individual preference.
- 7 Ease-on cutting oxygen**
Exceptionally smooth application of cutting oxygen reduces keyholing and slag blowback without sacrificing extremely high cutting capacity.
- 8 Stainless steel ball-style valves**
For easy shut-off, smooth adjustment and positive seating.
- 9 Replaceable hose connections**
Connections are easily replaced if damaged.

Cutting Tip Compatibility

Torch Number	Tip Compatibility (see pages 28–30)
All Gas Axe (SC900 Series) Torches	Acetylene: SC12-00 thru SC12-6, SC56-1 thru SC56-9
	Propane and Propane-Based: SC40-0 thru SC40-4, SC46-2 thru SC46-6, SC50-00 thru SC50-9
	Propylene: SC60-0 thru SC60-6, SC36-1 thru SC36-6
	Special-Purpose Tips: SC2-2, SC2-4

Recommended High-Flow Regulators

Torch Number	Recommended Regulator
All Gas Axe (SC900 Series) Torches	Oxygen: 40-175-540 or 40-275-540 (Cylinder), 46-175 (Manifold)
	LP Gas: 40-50-510 (Cylinder), 46-50 (Manifold)

Stock Number	Head Angle in Degrees	Length Inches (mm)
SC929	90	21 (533)
SC935	75	36 (914)
SC939	90	
SC930	180	
SC945	75	48 (1219)
SC949	90	
SC940	180	
SC965	75	72 (1829)
SC969	90	
SC960	180	

Torch Repair Kit 15772

Valve Assembly Replacement LW14B-1

Machine Cutting Torches

Our heavy-duty machine torches provide superior performance. Ease-on cutting lever reduces blowback in piercing and keyholing in restarts, extending tip life and providing high-quality precision cuts. Torch barrels easily adjust to four positions at 90-degree increments. Barrel diameters are 1-3/8 inches (9.5 mm) to fit most machines. Rack pitch is 32-10 teeth per inch. Stainless steel ball-type valves provide fine adjustment and positive shut-off.



Machine cutting torches are covered by our lifetime warranty when used with authentic Miller | Smith tips.

Two-Hose Torches



SC770
two-hose torch



SC772A
two-hose torch

SC770 and SC772A two-hose machine cutting torches are industrial grade and capable of cutting up to 12 inches (305 mm) with acetylene, LP or natural gas. SC781A three-hose machine cutting torch is high capacity and capable of cutting up to 24 inches (610 mm) with acetylene and up to 20 inches (508 mm) with LP or natural gas.

	Stock Number	Stock Number (32 Pitch Rack only)	Overall Torch Length Inches (mm)
Two-Hose Models	SC770	4769-1 Rack*	8 (203)
	SC772A	15599 (Includes mounting screws)	13.75 (349)
Three-Hose Model	SC781A	SC781-1 (Includes mounting screws)	15.5 (394)

*Requires stock number 4770 – two mounting screws.

Note: Overall length is measured from rear of hose connections to front of tip nut.

Cutting Tip Compatibility

Torch Number	Tip Compatibility (see pages 28–30)
Two-Hose Models SC770 and SC772A	Acetylene: SC12-00 thru SC12-6, SC56-1 thru SC56-9
	Propane and Propane-Based: SC40-0 thru SC40-4, SC46-2 thru SC46-6, SC50-00 thru SC50-9
	Propylene: SC60-0 thru SC60-6, SC36-1 thru SC36-6

Torch Number	Tip Compatibility (see pages 28–30)
Three-Hose Model SC781A	Acetylene: SC12 Series, SC56 Series
	Propane and Propane-Based: SC40-0 Series, SC46 Series, SC50 Series
	Propylene: SC60-0 Series, SC36 Series



SC781A
three-hose torch

Three-Hose Torch



SC290 Bevel Cutting Attachment

Make bevel cuts without moving the angle of the torch. Bevel attachment makes bevel cuts up to 90 degrees either side of vertical. Compatible with our two- and three-hose machine torches.



Note: Cutting tip not included.