



LONGEST LASTING TIPS YOU CAN BUY

Whatever your application, whatever your fuel gas, there's a Smith Slicer™ tip to provide fast, economical and quality cutting. Soft seats are not prone to damage like metal-to-metal seats, providing consistent seating and much longer life than metal to metal seats.

Authentic Smith tips must be used and accompany Smith torches to qualify for warranty repair. Aftermarket tips are often the cause of poor performance or malfunction.

Wide Variety of Fuel Gases

Select from quality tips for dependable performance with: acetylene, propane, propane base gases, propylene, natural gas and many more.

Wide Range of Tip Styles & Sizes

Select the tip to match the job. It's faster, gives a cleaner cut, saves on cleanup and machining, saves gas and cuts expensive labor time.

These tips are for: hand cutting, machine cutting, heavy cutting - up to 24" (610mm), gouging, bulkhead cutting, bevel cutting, heating, rivet cutting, piercing, thin plate cutting, flue cutting, rivet washing, rivet blowing, welding and riser cutting. Several different sizes cover the complete range from thin sheet metal (less than 1/8" - 3mm) up to 24" (610mm) thick steel.

FEATURE BENEFITS

- 1 In-Tip Mix Provides Added Resistance to Flashback**
Each tip is a precision engineered mixer for combining preheat oxygen and fuel gas to attain maximum efficiency.
- 2 Slip-In Design Saves Time and Money**
Quick, easy tip change encourages use of right tip for the job.
- 3 Hand Tighten Tips - No Wrench Needed!**
After the first tightening with a wrench, all that's needed to seat the tip snugly is hand-tightening. No need to search for a wrench to change tips; threads on tip nut won't be stripped by over-tightening.
- 4 Soft Graf-Tite® Flexible Seats End Reseating Repairs**
Compressible soft seats are practically indestructible and they withstand very high temperatures, resulting in longer tip life.
- 5 Fully Swaged Tip Minimizes Gas Turbulence**
Mirror smooth gas passages deliver stable gas flows for high heat transfer, fast starts and clean cuts, also, minimizes slag build-up, and reduces clean-up time.
- 6 Concave Shaped Tip End**
Reduces backfire and resists flameout when making accidental contact with base metal during cutting operations.
- 7 Removable High Pressure Seat**
Allows cleaning from back of tip.

100% FLAME TESTED AND INSPECTED

SC12 / SC50 Series Cutting Nozzles



Part #	Metal Thickness	Gas Type
SC12-0	0-10 mm	Oxygen & Acetylene
SC12-1	10-18 mm	Oxygen & Acetylene
SC12-2	18-36 mm	Oxygen & Acetylene
SC12-3	38-60 mm	Oxygen & Acetylene
SC12-4	60-100 mm	Oxygen & Acetylene
SC12-4x9	60-100 mm	Oxygen & Acetylene
SC12-5	100-200 mm	Oxygen & Acetylene
SC12-6	200-305 mm	Oxygen & Acetylene

Used with Smith cutting torches



Part #	Metal Thickness	Gas Type
SC50-0	0-10 mm	Oxygen & Propane (LPG)
SC50-1	10-18 mm	Oxygen & Propane (LPG)
SC50-2	18-36 mm	Oxygen & Propane (LPG)
SC50-3	36-60 mm	Oxygen & Propane (LPG)
SC50-4	60-100 mm	Oxygen & Propane (LPG)
SC50-5	100-200 mm	Oxygen & Propane (LPG)
SC50-6	200-300 mm	Oxygen & Propane (LPG)
SC50-7	300-360 mm	Oxygen & Propane (LPG)
SC50-8	360-450 mm	Oxygen & Propane (LPG)
SC50-9	450-500 mm	Oxygen & Propane (LPG)

Used with Smith cutting torches



Gouging Tip SC13-3 & SC13-5

For edge preparation, removal of welds or gouging cracked metals.



Rivet/Riser Cutting - SC14-3

Cuts heads of bolts and rivets. It can also be used in 180° head cutting torch to cut out boiler tubes. Works equally for cutting risers and bulk heads.



Rivet Blowing and Metal Washing - SC15-2

Quickly removes large quantities of metal. Heavy preheat primarily used as a rivet blowing tip, but can be used for stud removal, metal washing, gouging, veeing and groove cutting.



Plate Cutting - SC17-0

"Drag" style step tip cuts thin sheet metal with absolute minimum burn over and plate warpage.



Heating - SC83

Delivers large volume of heat quickly for bending, straightening, shrinking, forming and other heating applications. It allows heating with a one piece cutting torch. (For use with hand cutting torches only, not recommended for use with combination torch cutting attachments.)



Extra Long Cutting Tip - SC12-4X9

Tip for hard to reach areas. Size 4.