

Recommended Hose Sizes & Recommended Pressures

SC50 Series - Propane/Nat. Gas Tips, Sizes 6-9

Tip Size	Minimum Pressure At Torch	Recommended Pressure Settings (psig)				
		1/4" Dia. Hose		3/8" Dia. Hose		
		50 ft.	100 ft.	50 ft.	100 ft.	200 ft.
SC50-6	92 psig	130	145	117	122	138
SC50-7	95 psig	N/R	N/R	125	135	146
SC50-8	95 psig	N/R	N/R	130	140	155
SC50-9	95 psig	N/R	N/R	130	140	164

N/R - Not Recommended - Note: Smaller tips require less flow and will operate satisfactory with 1/4" dia. hose.

Recommended High Flow Regulators

Model Number	Gas	Outlet (psig) Pressure	Type
HB1510A-540	Oxygen	0-125	Cylinder
HB1511A-540	Oxygen	0-275	Cylinder
*HB2111A-540	Liquid Oxygen	0-275	Cylinder
HB1522B-510	LP Gas	0-60	Cylinder
HB1575A	Oxygen	0-150	Manifold
HB1580A	LP Gas	0-60	Manifold

*Equipped with stainless steel diaphragm



Cylinder Regulator



Manifold Regulator



Available Regulator Hard Hat™ protects gauges from damage. Part #HB190

Recommended Cutting Tips Heavy Preheat for Propane or Natural Gas

Tip Part Number	Metal Thickness (inches)	Metal (mm)	Gas Consumption - SCFH			Pressure Settings - PSIG			Drill Size Cutting Orifice
			Oxygen		Propane	Oxygen		Propane	
			Cutting	Preheat	Preheat	Cutting	Preheat	Propane	
SC50-0	1/4-3/8	6-10	50	47	13	30-35	10	10	62
SC50-1	1/2-5/8	13-16	85	70	15	35-40	10	10	56
SC50-2	3/4-1 1/4	19-32	135	75	16	36-51	10	10	54
SC50-3	1 1/2-2	38-51	180	75	16	42-47	10	10	51
SC50-4	2 1/2-4	64-102	315	80	17	38-54	10	10	45
SC50-5	5-8	127-203	550	90	20	56-78	10	10	41
SC50-6	10-12	254-304	975	280	60	83-125	40	12	32
SC50-7	14	354	1250	330	62	125	60	20	28
SC50-8	16-18	406-457	1800	400	85	125	60	20	17
SC50-9	20	508	2150	420	90	125	60	23	3

Note: Regulator pressures are for 50' (15.2m) of 3/8" (10mm) I.D. "T" Grade Hose.

Note: Data shown above is for propane gas. Natural Gas data is available from Smith Equipment.



Long Lasting Cutting Tips

Easiest To Use, Most Efficient And Longest Lasting You Can Buy!

Feature Benefits:

- Soft Graf-Tite® Seats Won't Damage if Dropped. Providing Consistent Gas Tight Seating Every Time, Unlike Metal to Metal Seat Tips.
- In-Tip Mix Provides Added Resistance to Flashback Protecting the Torch and Operator. Convenient Slip-In Design Saves Time and Money.
- Hand Tighten Tips - Require No Wrench! Tip Designed to Minimize Gas Turbulence for Smooth Cuts. Wide Variety of Tip Styles and Sizes to Match the Job.



Part # H743 (pair)



Warning!

High flow capacity flashback arrestors must be attached to the torch before operating!

- The Smith Flashback arrestors shown here may be used on tips up to size 5.

- Tips ranging from Size 6-9 require high capacity Flashback Arrestors. We Recommend Ibeda Brand: Part # - 0701-3021 - Fuel Gas Part # - 0701-3022 - Oxygen For more info go to: www.oxyfuelsafety.com

SMITH
EQUIPMENT

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Proudly
Made In
The USA

SMITH
EQUIPMENT

**GAS
AXE**

When Only The
TOUGHEST TORCH
Will Make The Cut

- Designed for Severe Applications
- Ideal for Scrap/Demolition Cutting
- Extra High Capacity Cuts to 24" (610mm)
- Excellent for Use with Propane or Natural Gas



Made In The USA



Torches for rugged high speed cutting applications

Works With All Gases Including Propane/Propylene based fuels, Mapp, Natural Gas & Acetylene

**High Capacity - Cuts up to 24" (610mm) Thick Steel
Available in 3ft., 4ft., 5ft. & 6ft. Lengths with various head angles.**



SLIP-IN CUTTING TIPS

Tightening by hand saves time when changing tips - no wrench needed. Resilient Graf-Tite™ seat material protects tip from nicking and leaking, unlike metal to metal seat tips. Requires far less replacement than other tip designs.

Smith Gas Axe Torches:

- **Safety Engineered**
- **Highest Quality**
- **Least Repairs**
- **Less Downtime**
- **Most Economical To Operate**

Lengths & Head Angles Available

Stock No	Head Angle	Length
SC939	90°	3 ft.
SC935	75°	3 ft.
SC930	180°	3 ft.
SC949	90°	4 ft.
SC940	180°	4 ft.
SC659	90°	5 ft.
SC650	180°	5 ft.
SC969	90°	6 ft.
SC960	180°	6 ft.

1 Year Warranty

SMITH
EQUIPMENT®



**If There Is A
Need For Speed
The Gas Axe
Is What You Need!**

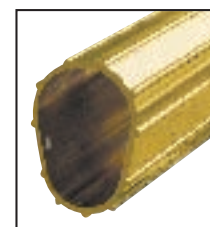


Made In The USA

- MANGANESE BRONZE HEAD**
Super tough manganese bronze head reduces warping and damage.
- THREE TUBE CONSTRUCTION**
Keeps gases separated, eliminating mixing tube burnout. Smith's thick wall, high capacity stainless steel tubes provide high gas flow and superior strength.
- TUBE SUPPORTS**
For added strength.
- ERGONOMIC HANDLE**
Brass, durable raised rib design for comfort and positive grip.
- REVERSIBLE CUTTING LEVER**
Top or bottom mount for desired use.
- EASE-ON OXYGEN**
Reduces Slag Blow-Back Protecting Operator.
- STAINLESS STEEL BALL-STYLE VALVES**
Provide positive seating and are designed with drag adjustment for variable valve resistance.
- REPLACEABLE HOSE CONNECTIONS**
easily replaced if damaged.



Warning!
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**ERGONOMIC
HANDLE AND
CUTTING LEVER**

Adds comfort and reduces operator fatigue.

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