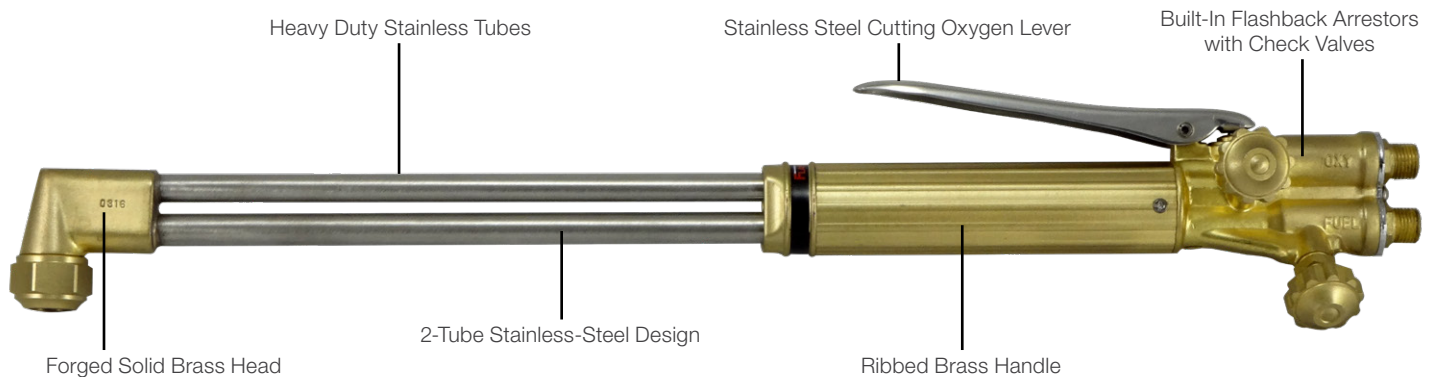


2621-90

Cuts Up to 8", for Use with Any Gas, Compatible with Victor® Series 1 Cutting Tips

Flame Tech's Scorpion 2621-90 torch is designed for heavy duty hand held applications for the fabshop, foundry or scrap yard environment where up to 8" cutting is required.

The universal mixer provides optimal performance with any fuel gas.



- Built-In Flashback Arrestors & Check Valves
Replace with Flame Tech flashback arrestor/check valve cartridges only.
DO NOT use other brand cartridges, as they may not seal correctly and cause gas leaks.
- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Universal Mixer

Optimal performance with any fuel gas

- Compatible with Victor® Series 1 cutting tips
- Two Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors
- Spring-Return Cutting Oxygen Lever

Do NOT use this torch without the built-in flashback arrestor cartridges!



Use only Flame Tech branded flashback arrestor cartridges!



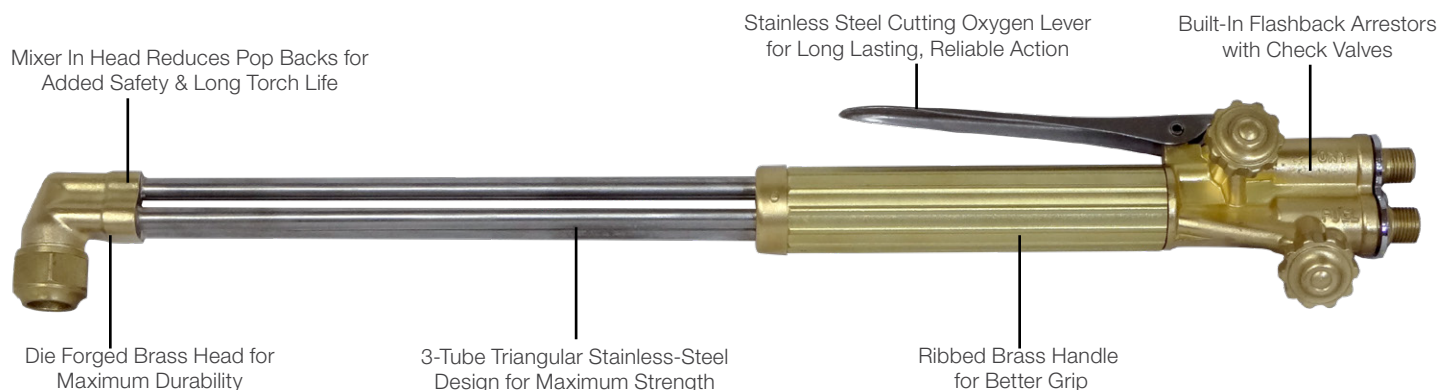
Flashback Arrestor/Check Valves Cartridges
Fuel: 77100010, Oxygen: 77100020

921-90

Cuts Up to 5", for Use with Any Gas, Compatible with Victor® Series 1 Cutting Tips

Flame Tech's Scorpion 921-90 torch is designed for heavy duty hand held applications for the fabshop, foundry or scrap yard environment where up to 5" cutting is required.

Universal mixer provides optimal performance with any fuel gas.



- Built-In Flashback Arrestors & Check Valves
Replace with Flame Tech flashback arrestor/check valve cartridges only.
DO NOT use other brand cartridges, as they may not seal correctly and cause gas leaks.
- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Universal Mixer

Optimal performance with any fuel gas

- Compatible with Victor® Series 1 cutting tips
- Three Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors
- Spring-Return Cutting Oxygen Lever

Do NOT use this torch without the built-in flashback arrestor cartridges!



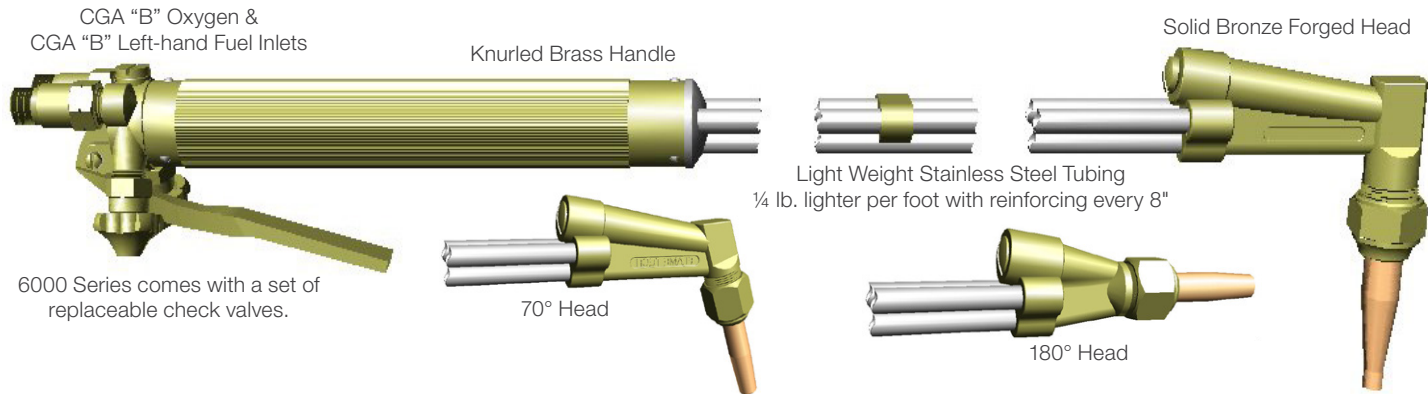
Use only Flame Tech branded flashback arrestor cartridges!



Flashback Arrestor/Check Valves Cartridges
Fuel: 77100010, Oxygen: 77100020

6000 SERIES

Cuts Up to 8", Model Specifies Gas Type, Compatible with Harris®, Victor® or Oxxweld® Style Tips



FEATURES

- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Injector/Mixer in Head
Reduces burn back in tubes; safer than tube mixing designs
- Replaceable External Check Valves Included
Flame Tech® recommends flash arrestors style GG/DGN
- Three Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors

PART NUMBERING

- First 2 digits are the OEM type
62: Harris®, 63: Victor®, 64: Oxxweld®
- Second 2 digits are the overall length in inches
- Letter after the dash is the fuel gas type
A: Acetylene, F: Alternative Fuel Gas
- Number at the end is head angle in degrees
** Flame Tech does not offer 180° heads for use with acetylene*

See price book for other models or call for a custom quote.

BENEFITS

- Reduced Flashback Compared to Tube Mix
- Maximum Strength, Greater Rigidity
- Low Maintenance, Longer Lasting
- Spring-Return Cutting Oxygen Lever

SCRAPPER TORCHES

6000 series torches are available with longer tubes for scraping jobs—generally 36 and 48 inches. Custom lengths are available.

Common Models

PN	OEM	LENGTH (IN)	FUEL	HEAD (DEG)
6218-F70	Harris®	18	Alt Fuel	70
6218-F90	Harris®	18	Alt Fuel	90
6221-A90	Harris®	21	Acetylene	90
6221-F180	Harris®	21	Alt Fuel	180
6221-F90	Harris®	21	Alt Fuel	90
6321-A90	Victor®	21	Acetylene	90
6321-F90	Victor®	21	Alt Fuel	90
6327-A90	Victor®	27	Acetylene	90
6327-F90	Victor®	27	Alt Fuel	90
6421-F90	Oxxweld®	21	Alt Fuel	90

» SEE PAGE 41 FOR SCRAPPER TIP INFORMATION



6500 SERIES

Cuts Up to 8", Gas Type Depends on Tip, Compatible with Airco® Style Tips

This heavy duty torch series is designed for rugged environments. It features a safe, tip-mix design that allows for any fuel gas type. Use of Flame Tech's "A-Scraper" or

Airco® compatible cutting tips is ideal for heavy cutting in scrap yards and steel mill operations. When using these tips, it can cut up to 8" of steel.

6500 Series comes with a set of replaceable check valves.

Knurled Brass Handle

Solid Bronze Forged Head



CGA "B" Oxygen &
CGA "B" Left-hand Fuel Inlets

Light Weight Stainless Steel Tubing
¼ lb. lighter per foot with reinforcing every 8"

FEATURES

- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Heavy Duty Tip-Mixing Torch
Same torch can be used with any fuel gas
- Replaceable External Check Valves Included
Flame Tech® recommends flash arrestors style GG/DGN
- Three Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors

PART NUMBERING

- First 2 digits are the model series
- Second 2 digits are the overall length in inches
- Number after the dash is head angle in degrees
** Flame Tech does not offer 180° heads for use with acetylene*

See price book for other models or call for a custom quote.

BENEFITS

- Reduced Flashback Compared to Tube Mix
- Maximum Strength, Greater Rigidity
- Low Maintenance, Longer Lasting
- Uses common CGA "B" size oxygen supply and LH CGA "B" size fuel supply to minimize the hose and regulator requirements
- Spring-Return Cutting Oxygen Lever

Common Models

PN	OEM	LENGTH (IN)	HEAD (DEG)
6521-180	Airco®	21	180
6521-70	Airco®	21	70
6521-90	Airco®	21	90
6527-90	Airco®	27	90

» SEE PAGE 41 FOR SCRAPER TIP INFORMATION



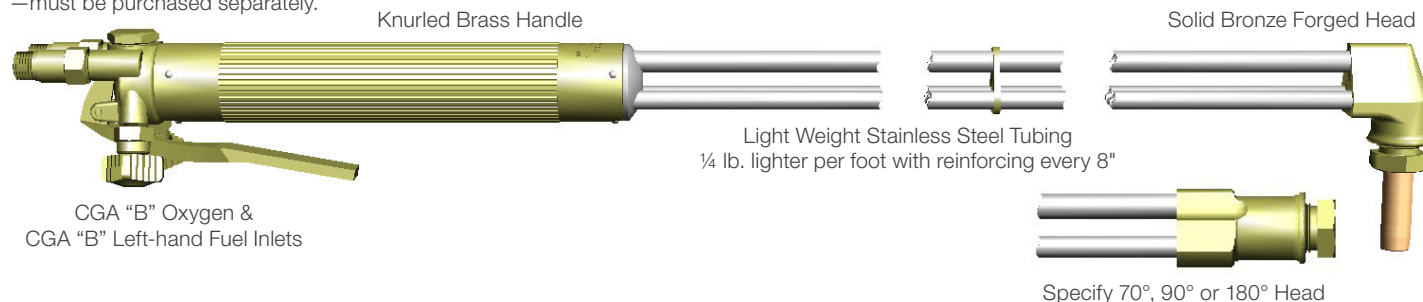
7500 SERIES

Cuts Up to 14", Gas Type Depends on Tip, Compatible with Airco® Style Tips

Flame Tech's 7500 Hand Cutting Torch is a heavy duty torch designed for rugged environments. This torch features a safe, tip-mix design. The 7500 series torch uses Flame Tech's "A-Scraper" or Airco® compatible cutting tips,

and is ideal for heavy cutting in scrap yards and steel mill operations. This heavy duty torch when using these tips can hand cut up to 14" of steel.

Check valves are recommended
—must be purchased separately.



FEATURES

- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Heavy Duty Tip-Mixing Torch
Same torch can be used with any fuel gas
- Uses Replaceable External Check Valves (additional)
Flame Tech® recommends flash arrestors style GG/DGN
- Three Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors
- Uses common CGA "B" size oxygen supply and LH CGA "B" size fuel supply to minimize the hose and regulator requirements

BENEFITS

- Reduced Flashback Compared to Tube Mix
- Maximum Strength, Greater Rigidity
- Low Maintenance, Longer Lasting
- Spring-Return Cutting Oxygen Lever

PART NUMBERING

- First 2 digits are the model series
- Second 2 digits are the overall length in inches
- Number after the dash is head angle in degrees
** Flame Tech does not offer 180° heads for use with acetylene.*

See price book for other models or call for a custom quote.

Common Models

PN	OEM	LENGTH (IN)	HEAD (DEG)
7536-180	Airco®	36	180
7536-90	Airco®	36	90
7548-180	Airco®	48	180
7548-90	Airco®	48	90
7572-180	Airco®	72	180

» SEE PAGE 41 FOR SCRAPER TIP INFORMATION

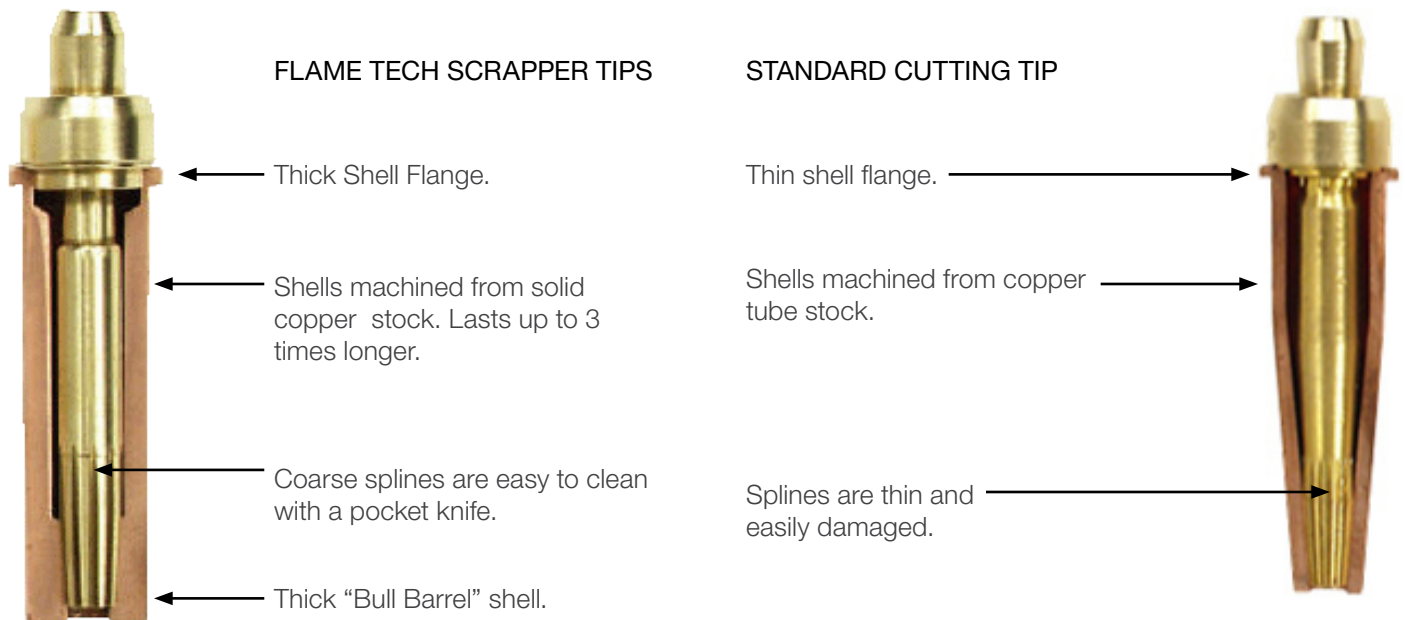


FLAME TECH® SCRAPPER TIPS

2621-90, 6000, 6500 & 7500 Series Torches

SEE THE DIFFERENCE YOURSELF WITH FLAME TECH'S FAMOUS "SCRAPPER" CUTTING TIPS

- Larger preheats reduce start time and help to "maintain the cut."
- Coarse "V" internal splines do not clog easily and can be cleaned with a pocket knife.
- Ideal for working on rusty, scaly, painted surfaces.
- Compatible with standard OEM torches.



METAL THICKNESS (INCHES)	TIP SIZE	DRILL SIZE	CUTTING OXYGEN PSI	CUTTING OXYGEN SCFH	FUEL GAS PSI	FUEL GAS SCFH	SPEED IPM	KERF WIDTH
2	2	52	40-50	150-200	6-12	12-65	10-14	.10
3	3	48	40-50	150-200	6-12	12-65	8-11	.11
4	4	44	40-50	210-250	6-12	12-65	7-10	.13
6	5	39	45-55	300-360	6-12	12-65	5-8	.15
8	6	31	55-65	450-500	6-12	12-65	4-6	.19
9	7	28	55-65	450-500	6-12	22-110	3-5	.22
10	8	25	60-70	750-850	10-18	22-110	3-4	.24
12	10	13	45-60	1000-1200	10-18	22-110	2-3	.34
14	12	5	40-55	1150-1350	10-18	22-110	1-2	.40

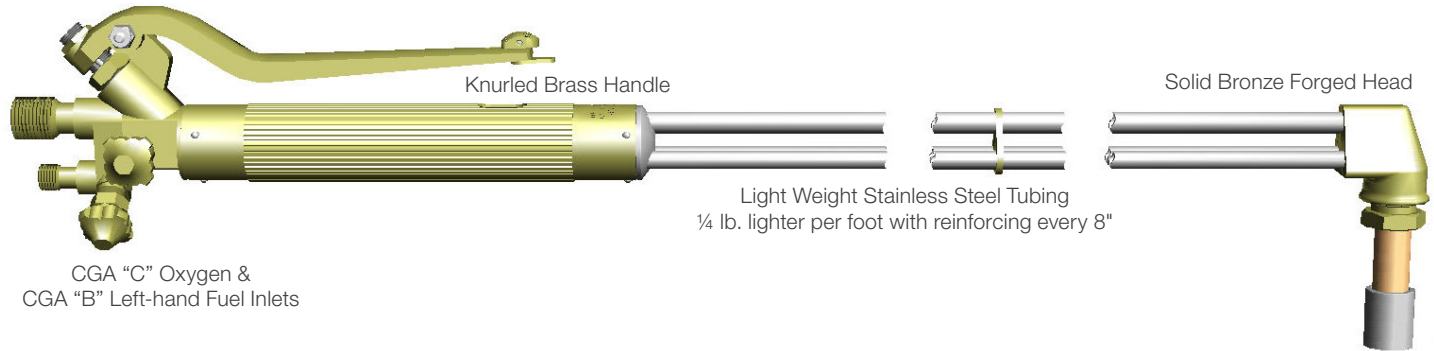
8600 SERIES

Cuts Up to 36", Uses Bi-Metal & Tri-Metal Tip Series

Flame Tech's 8600 Hand Cutting Torch is a heavy duty torch designed for rugged environments. This torch features a safe, tip-mix design. The 8600 series torch uses Flame Tech's proprietary BI-METAL or TRI-METAL cutting nozzles,

and is ideal for heavy cutting in scrap yards and steel mill operations. This heavy duty torch, when using the BI-METAL or TRI-METAL 80 series nozzles, can hand cut up to 36" of steel.

Check valves are recommended
—**must be purchased separately.**



FEATURES

- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Heavy Duty Tip-Mixing Torch
Same torch can be used with any fuel gas
- Uses Flame Tech® Designed Bi-Metal or Tri-Metal 80 Series Nozzles
- Uses Replaceable External Check Valves (additional)
Flame Tech® recommends flash arrestors style GG/DGN
- Three Light Weight Stainless Steel Tubes
Maximum design strength—1/4 lb. per foot lighter than competitors
- For alternative fuel only – NOT FOR ACETYLENE
- Uses CGA "C" size oxygen supply and LH CGA "B" size fuel supply to minimize the hose and regulator requirements.

BENEFITS

- Reduced Flashback Compared to Tube Mix
- Maximum Strength, Greater Rigidity
- Low Maintenance, Longer Lasting
- Spring-Return Cutting Oxygen Lever

PART NUMBERING

- First 2 digits are the model series
- Second 2 digits are the overall length in inches
- Number after the dash is head angle in degrees
** Flame Tech does not offer 180° heads for use with acetylene.*

See price book for other models or call for a custom quote.

Common Models

PN	OEM	LENGTH (IN)	HEAD (DEG)
8648-180	Flame Tech®	48	180
8672-180	Flame Tech®	72	180
8684-180	Flame Tech®	84	180
8696-180	Flame Tech®	96	180
8696-90	Flame Tech®	96	90

» SEE PAGE 43 FOR 80 SERIES BI-METAL & TRI-METAL TIP INFORMATION



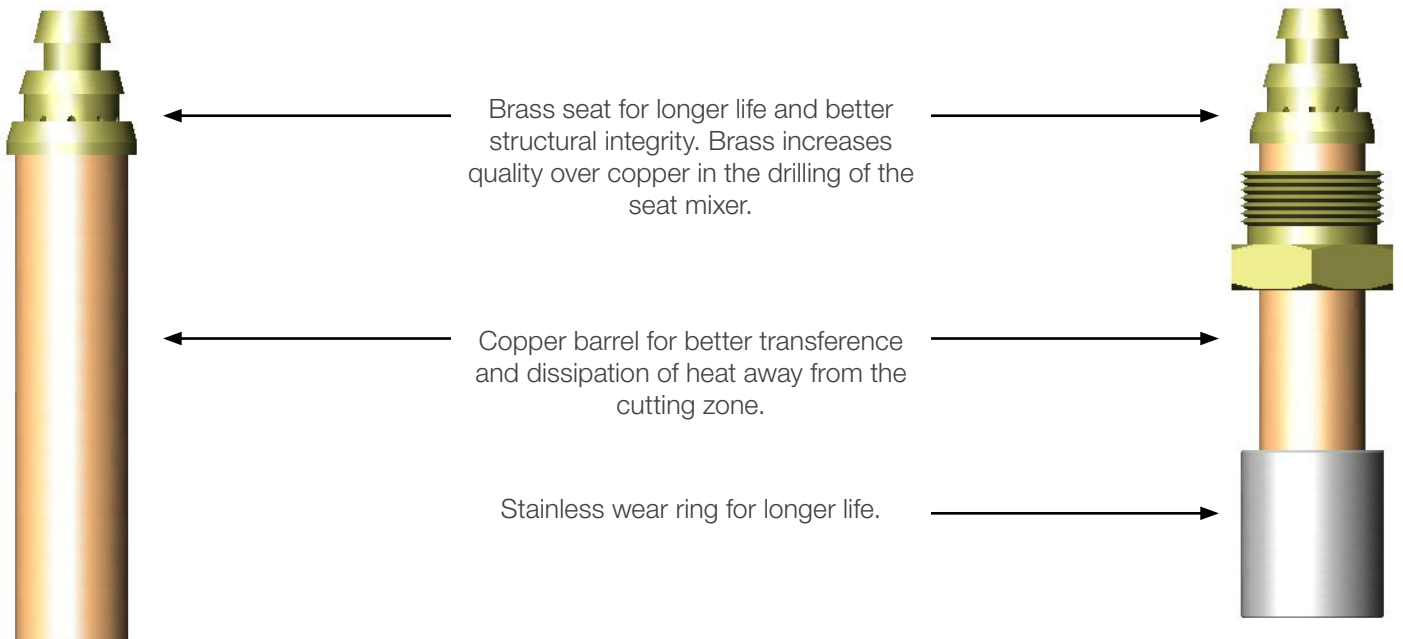
80 SERIES BI-METAL & TRI-METAL TIP-MIX CUTTING NOZZLES



HOSE & REGULATOR REQUIREMENTS

When cutting over 20", use 1/2" ID hose.

Oxygen supply and oxygen regulator must be capable of flows mentioned on cutting tip chart shown below.



80 SERIES NOZZLES				GAS PRESSURE (PSI)		GAS CONSUMPTION (CFH)	
SIZE	BI-METAL PN	TRI-METAL PN	METAL THICKNESS	OXYGEN	FUEL GAS	OXYGEN	FUEL GAS
12	BM80-12	TM80-12	10-12	60-100	5-15	750-1650	80-120
16	BM80-16	TM80-16	12-16	60-100	5-15	1000-1950	80-120
20	BM80-20	TM80-20	16-20	60-100	5-15	1600-2500	100-160
24	BM80-24	TM80-24	20-24	60-100	5-15	1800-3000	100-160
36	BM80-36	TM80-36	24-36	60-100	5-15	2100-3600	100-160

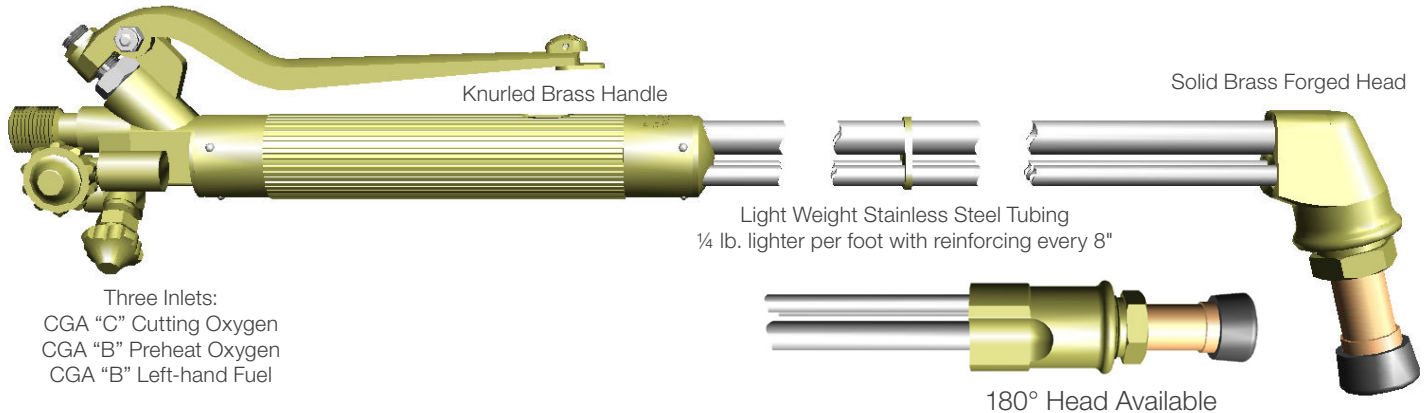
9600 SERIES

Cuts Up to 48", Uses Bi-Metal & Tri-Metal Tip Series

Flame Tech's 9600 Hand Cutting Torch is a heavy duty torch designed for rugged steel mill environments. This heavy duty torch features a safe, tip-mix design. The 9600

series torch uses the Flame Tech's BI-METAL or TRI-METAL nozzles can hand cut up to 48" of steel. 9600 Series torches are available with 70 or 180 degree heads.

Check valves are recommended
—must be purchased separately.



FEATURES

- Solid Bronze Forged Head
Long life, resists distortion from abuse
- Heavy Duty Tip-Mixing Torch
Same torch can be used with any fuel gas
- Uses Flame Tech® Designed Bi-Metal or Tri-Metal 90 Series Nozzles
- Uses Replaceable External Check Valves (additional)
Flame Tech® recommends flash arrestors style GG/DGN
- Three Light Weight Stainless Steel Tubes
Maximum design strength—¼ lb. per foot lighter than competitors
- For alternative fuel only – NOT FOR ACETYLENE
- Uses CGA "C" size oxygen supply and LH CGA "B" size fuel supply to minimize the hose and regulator requirements.

BENEFITS

- Reduced Flashback Compared to Tube Mix
- Maximum Strength, Greater Rigidity
- Low Maintenance, Longer Lasting
- Spring-Return Cutting Oxygen Lever, Standard
—Optional ball valve lever available, instead of spring-return.

PART NUMBERING

- First 2 digits are the model series
- Second 2 digits are the overall length in inches
- Number after the dash is head angle in degrees
** Flame Tech does not offer 180° heads for use with acetylene.*

See price book for other models or call for a custom quote.

Common Models

PN	OEM	LENGTH (IN)	HEAD (DEG)	FEATURE
9660-180	Flame Tech®	60	180	
9660-180V	Flame Tech®	60	180	Ball Valve Lever
9672-180	Flame Tech®	72	180	
9672-180V	Flame Tech®	72	180	Ball Valve Lever

» SEE PAGE 45 FOR 90 SERIES BI-METAL & TRI-METAL TIP INFORMATION



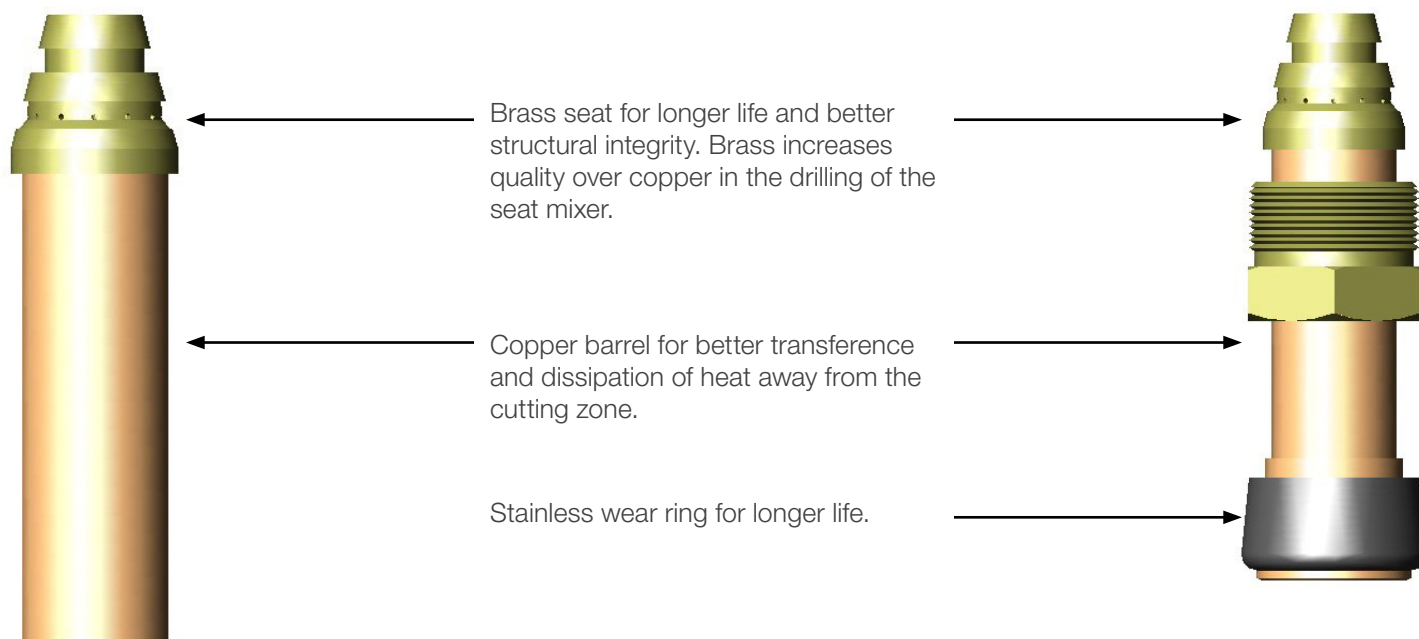
90 SERIES BI-METAL & TRI-METAL TIP-MIX CUTTING NOZZLES



HOSE & REGULATOR REQUIREMENTS

When cutting over 20", use 1/2" ID hose.

Oxygen supply and oxygen regulator must be capable of flows mentioned on cutting tip chart shown below.



90 SERIES NOZZLES				GAS PRESSURE (PSI)			GAS CONSUMPTION (CFH)	
SIZE	BI-METAL PN	TRI-METAL PN	METAL THICKNESS	OXYGEN	PRE-HEAT OXYGEN	FUEL GAS	OXYGEN	FUEL GAS
24	BM90-24	TM90-24	18-24	25-45	25-50	13-25	2200-3400	80-160
30	BM90-30	TM90-30	24-30	20-40	25-50	13-25	2200-3800	80-160
36	BM90-36	TM90-36	30-36	20-40	25-50	13-25	2300-4400	80-160
48	BM90-48	TM90-48	36-48	15-35	25-50	13-25	2400-5000	80-160