

GAS APPARATUS OXY FUEL CUTTING & WELDING PRODUCTS



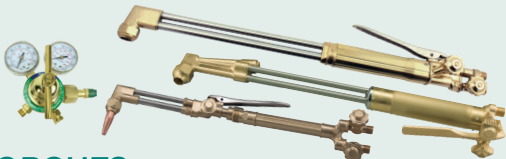
**CUTTING TORCHES
WELDING & CUTTING KITS
CUTTING TIPS & WELDING NOZZLES
REGULATORS, COMPONENTS & ACCESSORIES**

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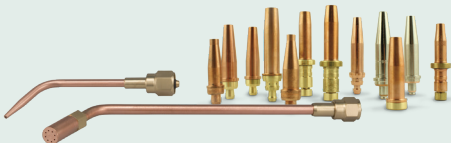
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WELDING, CUTTING & BRAZING OUTFITS

Durable

Brass & stainless steel construction with forged and extruded brass components for durability.

Any Fuel Gas

Complete High Performance Kits available for
Oxy-Acetylene and Alternative Fuels (Natural Gas,
Propane, Propylene).

ProMix™ Inside (For Victor® Style Kits)

Standard with Victor® style kits. Proven design and precision machined parts insure maximum performance and minimize flashback resistance. See "ProMix Inside" below.

Performance Tested

American Torch Tip ProMix™ mixers and cutting tips are leak and/or flame tested to assure you quality cuts and safe operation.

UL Listed

Product fulfills UL requirements.



OXY-FUEL

Precise Easy Control

“Ease on” cutting oxygen valve

Durable

Super tough stainless



ProMix™ Inside
Flashback and Burn Back Resistant

HEAVY DUTY KITS (SMITH® STYLE) with 300 Series Regulators

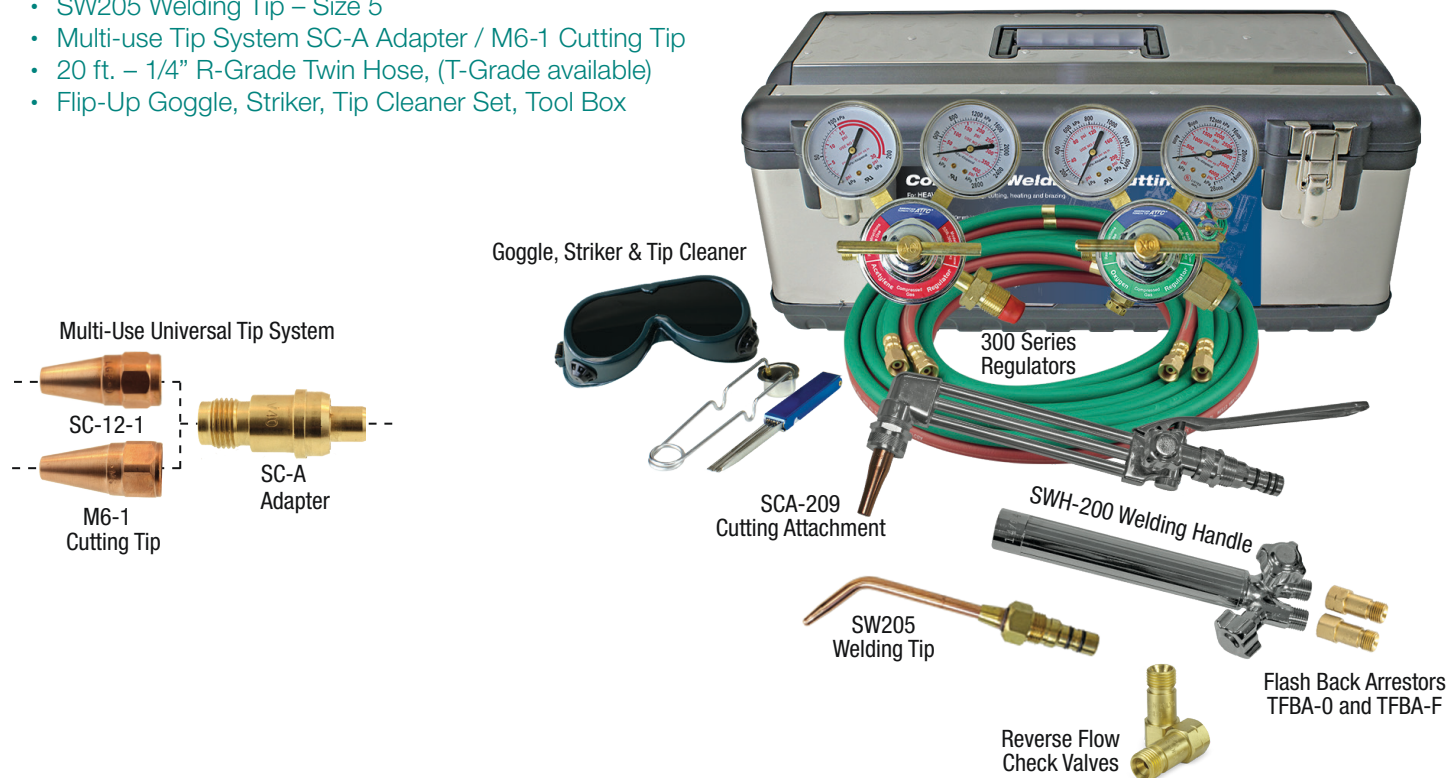
Part Number	Welding Tip	Multi-Use Cutting Tip	Oxygen Regulator	Acetylene Regulator	Flash Back Arrestors	Gas service	Included
SCTB3-510	SW205	SC-A/ M6-1	SSR-350-450	SSR-360-510	Sold Separately	Acetylene	
SCTB3-510F	SW205	SC-A/M6-1	SSR-350-450	SSR-360-510	TFBA-0 and TFBA-F	Acetylene	
SCTB3-510-A	SW205	SC-A/SC-12-1-	SSR-361-450	SSR-360-510	Sold Separately	Propane / natural gas / Propylene	
SCTB3-510F-A	SW205	SC-A/SC-12-1	SSR-361-450	SSR-360-510	TFBA-0 and TFBA-F	Propane / natural gas / Propylene	
SCTB3-510F	SW205	SC-A/M6-1	SSR-350-450	SSR-360-510	TFBA-0 and TFBA-F	Acetylene	

Note: Kits available with **CGA 510** or **CGA 300** fuel gas cylinder connections.

Heavy Duty Kits Listed Above Include:

- Series 300 Regulators
- SWH-200 Welding Handle
- Reverse Flow Check Valves or Flash Back Arrestors
- SCA-209 Cutting Attachment
- SW205 Welding Tip – Size 5
- Multi-use Tip System SC-A Adapter / M6-1 Cutting Tip
- 20 ft. – 1/4” R-Grade Twin Hose, (T-Grade available)
- Flip-Up Goggle, Striker, Tip Cleaner Set, Tool Box

OXY-FUEL



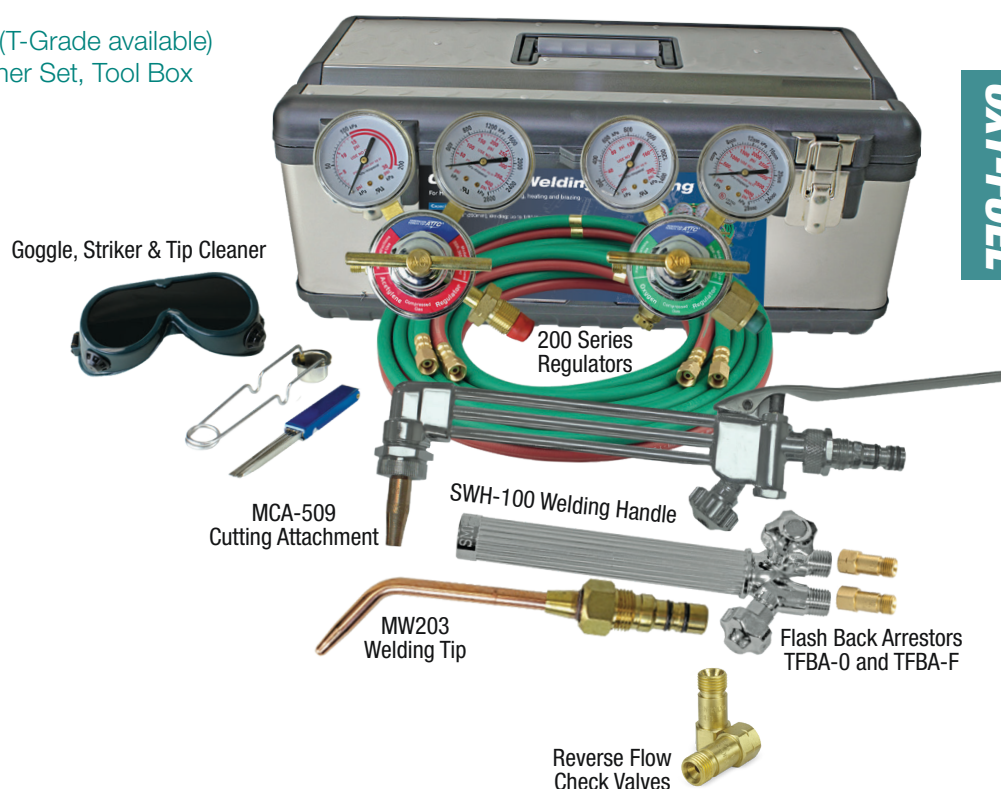
**MEDIUM DUTY KITS (SMITH[®] STYLE)
with 200 Series Regulators**

Part number	Welding Tip	Oxygen Regulator	Acetylene Regulator	Flash Back Arrestors	Gas service	Included
MCTB2-510	MW203	SSR-250-540	SSR-260-510	Sold Separately	Acetylene	
MCTB2-510-A	MW203	SSR-250-540	SSR-261-510	Sold Separately	Propane / natural gas / Propylene	
MCTB2-510F	MW203	SSR-250-540	SSR-260-510	TFBA-0 and TFBA-F	Acetylene	
MCTB2-510F-A	MW203	SSR-250-540	SSR-261-510	TFBA-0 and TFBA-F	Propane / natural gas / Propylene	
MCTB2-510F	MW203	SSR-250-540	SSR-260-510	TFBA-0 and TFBA-F	Acetylene	

Note: Kits available with **CGA 510** or **CGA 300** fuel gas cylinder connections.

Medium Duty Kits Listed Above Include:

- Series 200 Regulators
- SWH-100 Welding Handle
- Reverse Flow Check Valves or Flash Back Arrestors
- MCA-509 Cutting Attachment
- MW203 Welding Tip – Size 3
- 20 ft. – 1/4" R Grade Twin Hose (T-Grade available)
- Flip-up Goggle, Striker, Tip Cleaner Set, Tool Box



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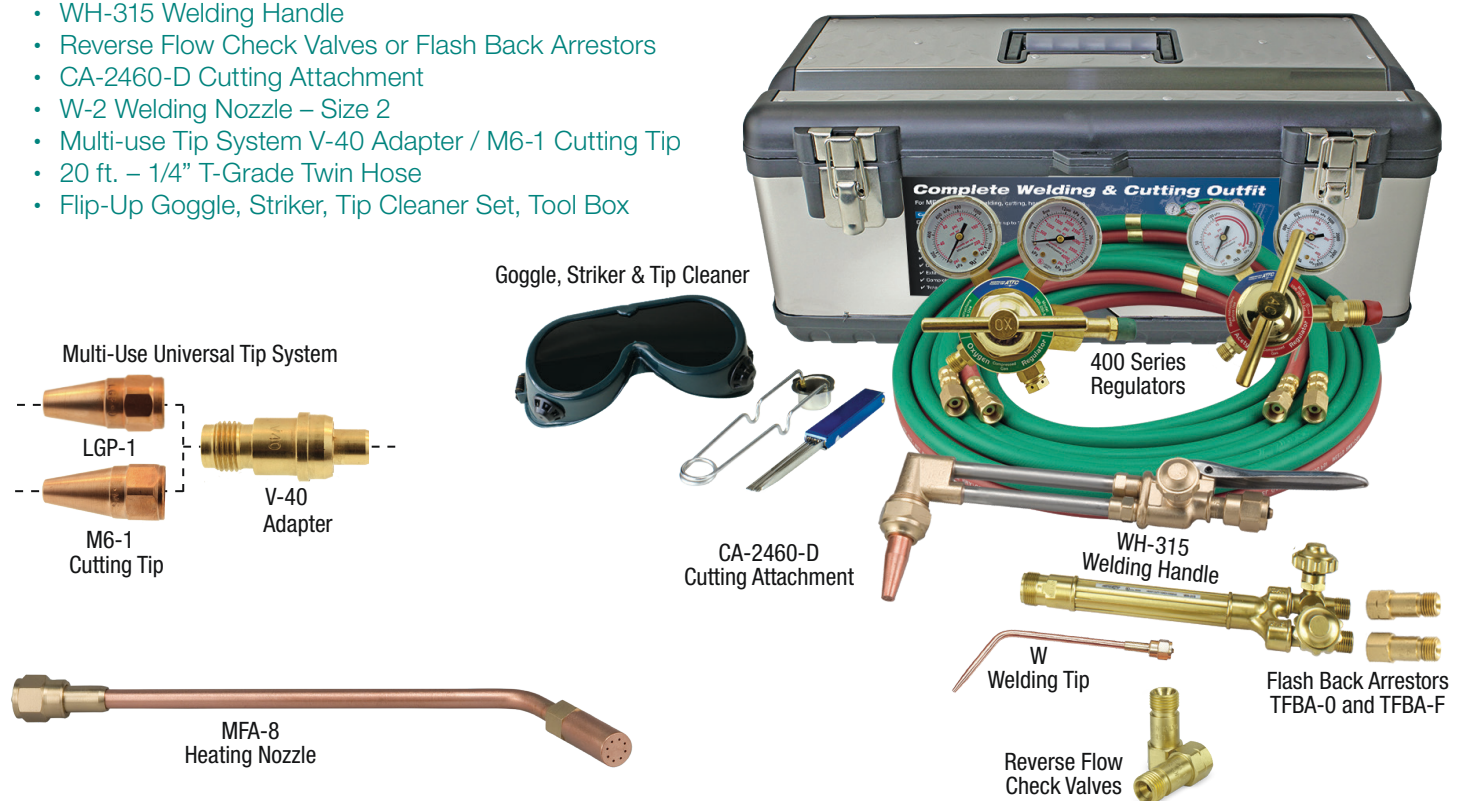
AMERICAN TORCH TIP
**HEAVY DUTY KITS (VICTOR® STYLE)
with 400 Series Regulators**

Part Number	Welding Nozzles	Multi-Use Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Flash Back Arrestors	Gas service	Included
VHSTB-510	W-2	V-40/ M6-1	VSR-450-540	VSR-460-510	Sold Separately	Acetylene	
VHSTB-510F	W-2	V-40/M6-1	VSR-450-540	VSR-460-510	TFBA-O and TFBA-F	Acetylene	
VHSTB-510-A	W-2	V-40/LGP-1	VSR-450-540	VSR-461-510	Sold Separately	Propane / natural gas / Propylene	
VHSTB-510F-A	W-2	V-40/LGP-1	VSR-450-540	VSR-461-510	TFBA-O and TFBA-F	Propane / natural gas / Propylene	
VHSTB-510-MFA-8	W-2	V-40/M6-1	VSR-450-540	VSR-460-510	Sold Separately	Acetylene	Heating Nozzle MFA-8
VHSTB-510F-MFA-8	W-2	V-40/M6-1	VSR-450-540	VSR-460-510	TFBA-O and TFBA-F	Acetylene	Heating Nozzle MFA-8
VHDTB-510F	W-1, W-3, W-5	V-40/M6-1	VSR-450-540	VSR-460-510	TFBA-O and TFBA-F	Acetylene	Heating Nozzle MFA-8

Note: Kits available with **CGA 510** or **CGA 300** fuel gas cylinder connections.

Heavy Duty Kits Listed Above Include:

- Series 400 Regulators
- WH-315 Welding Handle
- Reverse Flow Check Valves or Flash Back Arrestors
- CA-2460-D Cutting Attachment
- W-2 Welding Nozzle – Size 2
- Multi-use Tip System V-40 Adapter / M6-1 Cutting Tip
- 20 ft. – 1/4" T-Grade Twin Hose
- Flip-Up Goggle, Striker, Tip Cleaner Set, Tool Box

OXY-FUEL


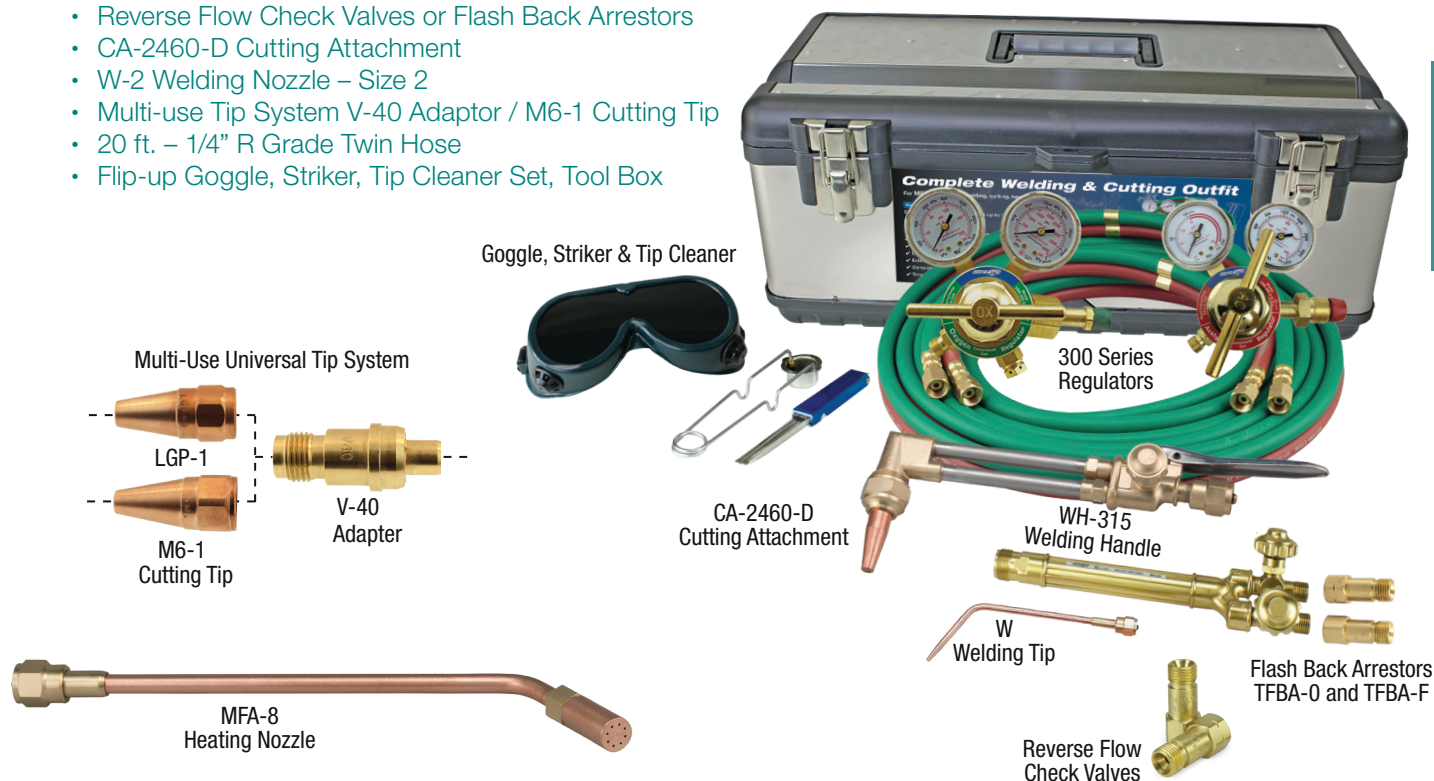
**HEAVY DUTY KITS (VICTOR[®] STYLE)
with 300 Series Regulators**

Part number	Welding Nozzles	Multi-Use Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Flash Back Arrestors	Gas service	Included
VHSTB3-510	W-2	V-40 / M6-1	VSR-350-540	VSR-360-510	Sold Separately	Acetylene	
VHSTB3-510-A	W-2	V-40 / LGP-1	VSR-350-540	VSR-361-510	Sold Separately	Propane / natural gas / Propylene	
VHSTB3-510F	W-2	V-40 / M6-1	VSR-350-540	VSR-360-510	TFBA-0 and TFBA-F	Acetylene	
VHSTB3-510F-A	W-2	V-40 / LGP-1	VSR-350-540	VSR-361-510	TFBA-0 and TFBA-F	Propane / natural gas / Propylene	
VHSTB3-510-MFA-8	W-2	V-40 / M6-1	VSR-350-540	VSR-360-510	Sold Separately	Acetylene	Heating Nozzle MFA-8
VHSTB3-510F-MFA-8	W-2	V-40 / M6-1	VSR-350-540	VSR-360-510	TFBA-0 and TFBA-F	Acetylene	Heating Nozzle MFA-8
VHDTB3-510F	W-1, W-3, W-5	V-40 / M6-1	VSR-350-540	VSR-360-510	TFBA-0 and TFBA-F	Acetylene	Heating Nozzle MFA-8

Note: Kits available with **CGA 510** or **CGA 300** fuel gas cylinder connections.

Heavy Duty Kits Listed Above Include:

- Series 300 Regulators
- WH-315 Welding Handle
- Reverse Flow Check Valves or Flash Back Arrestors
- CA-2460-D Cutting Attachment
- W-2 Welding Nozzle – Size 2
- Multi-use Tip System V-40 Adaptor / M6-1 Cutting Tip
- 20 ft. – 1/4" R Grade Twin Hose
- Flip-up Goggle, Striker, Tip Cleaner Set, Tool Box



OXY-FUEL

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AMERICAN TORCH TIP

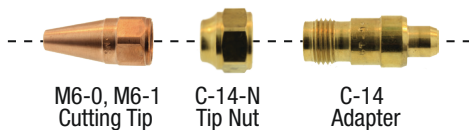
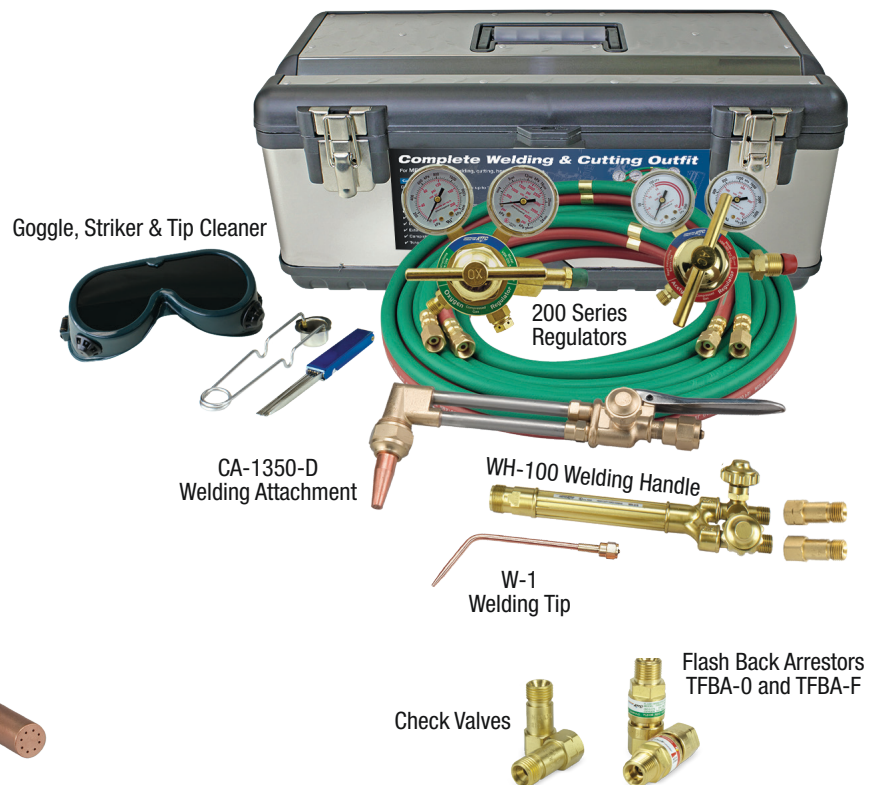
MEDIUM DUTY KITS (VICTOR® STYLE)
with 200 Series Regulators

Part number	Welding Nozzles	Multi-Use Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Flash Back Arrestors	Gas service	Included
VMSTB-510	W-1	C-14 / M6-0 C-14-N	VSR-250-540	VSR-260-510	Sold Separately	Acetylene	
VMSTB-510F	W-1	C-14 / M6-0 C-14-N	VSR-250-540	VSR-260-510	TFBA-0 and TFBA-F	Acetylene	
VMSTB-510-A	W-1	C-14 / LGP-0 C-14-N	VSR-250-540	VSR-261-510	Sold Separately	Propane / natural gas / Propylene	
VMSTB-510-MFA-1-6	W-1	C-14 / M6-0 C-14-N	VSR-250-540	VSR-260-510	Sold Separately	Acetylene	Heating Nozzle MFA-1-6
VMSTB-510F-MFA-1-6	W-1	C-14 / M6-0 C-14-N	VSR-250-540	VSR-260-510	TFBA-0 and TFBA-F	Acetylene	Heating Nozzle MFA-1-6
VMDTB-510F	W-1-1 W-1-2 W-1-5	C-14 / M6-0 C-14-N	VSR-250-540	VSR-260-510	TFBA-0 and TFBA-F	Acetylene	Heating Nozzle MFA-1-6

Note: Kits available with **CGA 510** or **CGA 300** fuel gas cylinder connections.

Included:

- Series 200 Regulators
- Cutting Attachment & Welding Handle
- Check Valves
- W-1 Welding Nozzle – Size 1
- Multi-use Tip System C-14 Adapter, M6-0 Cutting Tip
- 15 ft – 1/4" R Grade Twin Hose
- Flip-Up Goggle, Striker, Tip Cleaner Set, Tool Box



READ MORE ABOUT IT...

Download these Technical Guides and other **LIGHTNING®** literature at **AmericanTorchTip.com/oxy-fuel-brochures.**

AMERICAN TORCH TIP ATTC®
WH-315 & WH-100 Welding Handles by American Torch Tip

Oxy-Fuel

SPECS	Victor Style WH-315 (Heavy Duty) WH-100 (Medium Duty)	Welding Nozzle W (Heavy Duty) W-1 (Medium Duty)	Gas Type Acetylene	Heating Nozzles MFA, MFN (Heavy Duty) MFA-1 (Medium Duty)
Fits Cutting Attachments CA-2460-D (Heavy Duty) CA-1350-D (Medium Duty) <td>Tip Series 1-101, 3-101, GPP, 3-GPP, SPN, 3-GPN</td> <td>Fuel Gas Propylene Natural Gas / Propane</td> <td></td> <td></td>	Tip Series 1-101, 3-101, GPP, 3-GPP, SPN, 3-GPN	Fuel Gas Propylene Natural Gas / Propane		

Durable
Forged and extruded brass components

Tube Within Tube
Double walled construction

Use Any Fuel Gas
You'll get high performance with all fuel gas types by simply selecting the proper tip for your selected fuel gas.

100% Tested
All American Torch Tip Gas Apparatus is 100% leak and/or flashback tested.

Check valves and flashback arrestors are available separately.

Check Valve CV-O, CV-F

Flashback Arrestors TFBA-O, TFBA-F

AMERICAN TORCH TIP ATTC®
VHSTB Welding, Cutting & Brazing Outfits by American Torch Tip

OXY-FUEL

SPECS	Type Heavy Duty Tool Box Complete Kit	Cutting Range up to 8" (204 mm)	Gas Type Acetylene	Mixer Type ProMix™
Regulators 400 Series	Welding up to 3/8" (9 mm)	Fuel Gas Propylene Natural Gas / Propane	Head Angle 90 degrees	
	Tip Series 1-101			

Super Tough
Brass & stainless steel construction with forged and extruded brass for durability.

Use Any Fuel Gas
You'll get high performance with all fuel gas types by simply selecting the proper tip for your selected fuel gas.

Durable ProMix™
Proven design and precision machined parts insure maximum performance and long lasting heat and flashback resistance.

Lower Consumables Cost
Multi-Use™ quick change tips save up to 60% in consumables cost.

Less Down Time
Increase your efficiency and productivity by spending less time on consumables replacement and repair with longer lasting American Torch Tip equipment.

100% Tested
All American Torch Tip products and ProMix™ mixers are 100% leak and/or flashback tested.

Also Available
CGA 300, VSR-461-510 all fuel gas regulator, "T" grade hose

Universal Multi-Use Adapter

Interchangeable Multi-Use Tips For Every Purpose

ATTC® Multi-Use Tip System
Gives you the ability to transform your torch into a multi-use tool for cutting or heating applications. Save money when you replace your standard tips with multi-use.

Outfit Includes:
 Series 400 Regulators
 WH-315 Welding Handle w/ accessory check valves
 CA-2460-D Cutting attachment
 W-2 welding nozzle - size 2
 Multi-use tip system
 V-40 Adaptor with M6-1 cutting tip end
 20 ft - 1/4" R grade twin hose
 Goggles, striker, tip cleaner set, Tool box

Part Number	Welding Nozzles	Cutting Tip 1-101	Oxy Regulator	Acetylene Regulator	Torch Mount Safety Accessories	Gas Service
VHSTB-510	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-510	Check Valves CV-O, CV-F	Acetylene
VHSTB-510F	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-510	Flash Back Arrestor TFBA-O and TFBA-F	Acetylene
VHSTB-300	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-300	Check Valves CV-O, CV-F	Acetylene
VHSTB-300F	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-300	Flash Back Arrestor TFBA-O and TFBA-F	Acetylene

www.AmericanTorchTip.com/oxy-fuel

AMERICAN TORCH TIP ATTC®

MAH-BPO-CRY-004

Oxy-Fuel Instruction Manual
 Setup and operation safety instructions for cutting, heating, welding and brazing equipment

Read operating instructions before use.

Complete Welding & Cutting Outfit

Hose Connection	Gas Service	Weight Pounds	Length Inches
9/16" -18	All	0.785 lb	7 11/16"
9/16" -18	All	0.972" lb	9"
9/16" -18	All	1.093" lb	9 7/16"

Hose Connection	Gas Service	Weight Pounds	Length
9/16" -18	All	1.318" lb	8 5/8"
9/16" -18	All	1.506" lb	9 15/16"
9/16" -18	All	1.61" lb	10 3/8"

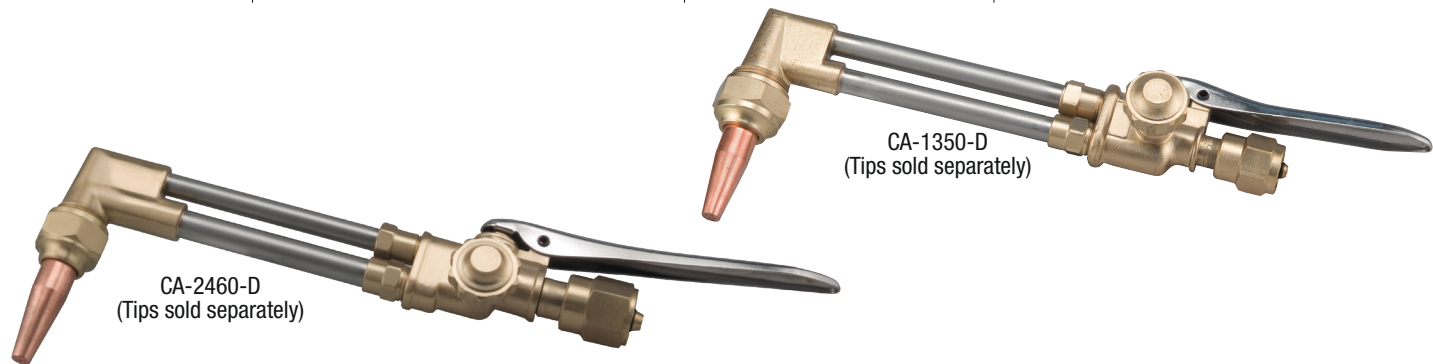
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OXY-FUEL

AMERICAN TORCH TIP ATTC®

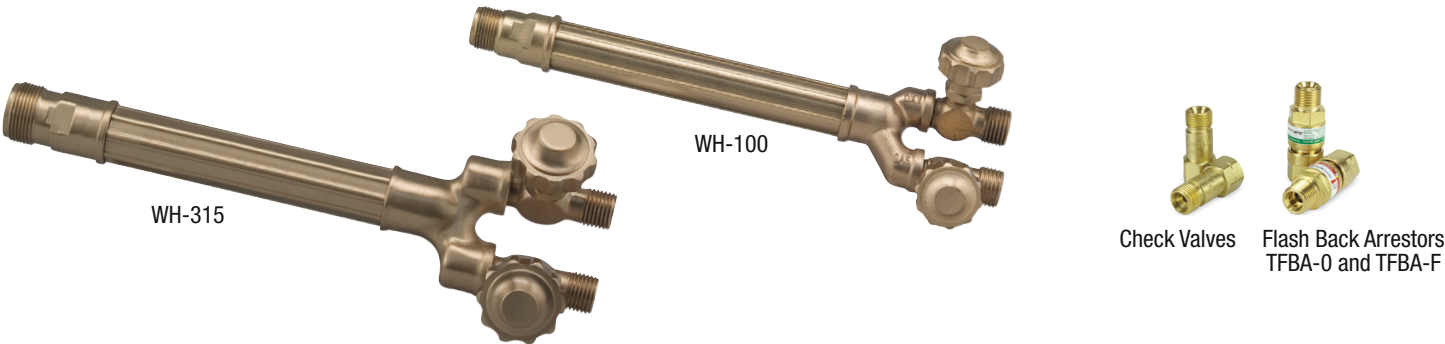
CUTTING ATTACHMENTS (VICTOR[®] STYLE)

Part Number	Cutting Attachment Description	Type	Mixer
CA-2460-D	Heavy Duty Cutting Attachment	Victor [®] Style	ProMix [™]
CA-1350-D	Medium Duty Cutting Attachment	Victor [®] Style	ProMix [™]



CUTTING ATTACHMENTS (VICTOR[®] & HARRIS[®] STYLE)

Part Number	Welding Handle Description	Type	Included
WH-315	Heavy Duty Welding Handle	Victor [®] Style	
WH-315-C	Heavy Duty Welding Handle	Victor [®] Style	Reverse Flow Check Valves
WH-315-FC	Heavy Duty Welding Handle	Victor [®] Style	Flash Back Arrestors/Reverse Flow Check Valves Combination
WH-100	Medium Duty Welding Handle	Victor [®] Style	
WH-100-C	Medium Duty Welding Handle	Victor [®] Style	Reverse Flow Check Valves
WH-100-FC	Medium Duty Welding Handle	Victor [®] Style	Flash Back Arrestors/Reverse Flow Check Valves Combination
WH-8500	Heavy Duty Welding Handle	Harris [®] Style	Flash Back Arrestors/Reverse Flow Check Valves Combination

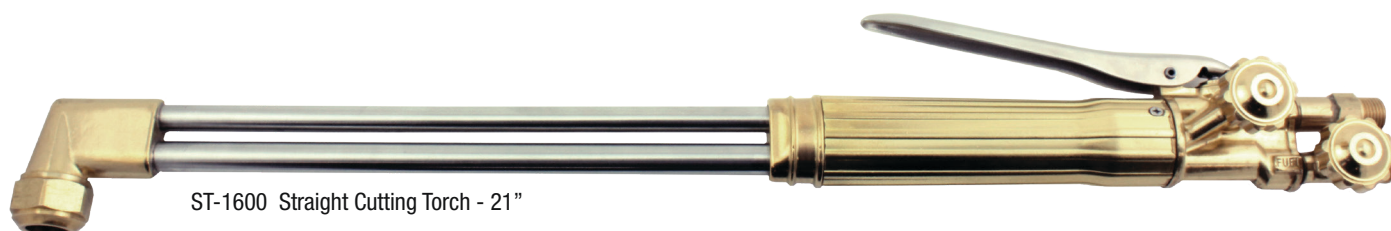


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OXY-FUEL

STRAIGHT CUTTING TORCHES AND KITS (VICTOR® STYLE)

Part number	Description	Length	Head	Oxygen Regulator	Fuel Gas Regulator	Includes
ST-1600	Heavy Duty Straight Cutting Torch	21"	90°			
ST-1600FC	Heavy Duty Straight Cutting Torch	21"	90°			Flashback Arrestor, Check Valve Comb.
ST-1600-250-510	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-250-540	VSR-260-510 Acetylene	
ST-1600-350-510	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-350-540	VSR-360-510 Acetylene	
ST-1600-350-300	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-350-540	VSR-360-300 Acetylene	
ST-1600FC-350-300	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-350-540	VSR-360-300 Acetylene	Flashback Arrestor, Check Valve Comb.
ST-1600FC-350-510	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-350-540	VSR-360-510 Acetylene	Flashback Arrestor, Check Valve Comb.
ST-1600-450-510	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-450-540	VSR-460-510 Acetylene	Reverse Flow Check Valves
ST-1600FC-450-510	Heavy Duty Straight Cutting Torch KIT	21"	90°	VSR-450-540	VSR-460-510 Acetylene	Flashback Arrestor, Check Valve Comb



ST-1600 Straight Cutting Torch - 21"

OXY-FUEL



VSR-350-540

VSR-360-510

(See chart above for other torch/regulator combinations)



Reverse Flow
Check Valves



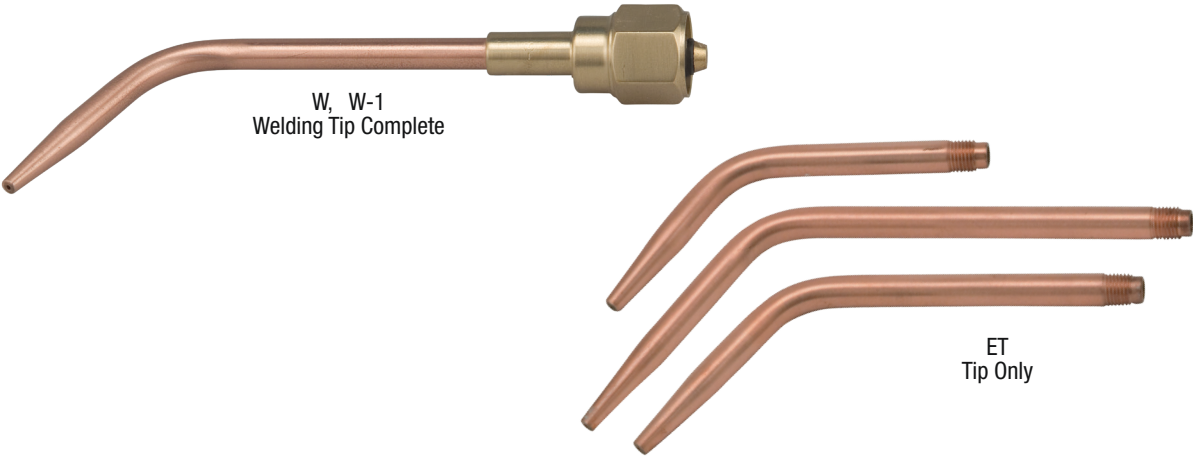
Combination
Flash Back Arrestor/
Check Valve

Use a regulator designed for the gas and pressures you intend to use.
Not doing so can result in unsafe conditions.

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AMERICAN TORCH TIP

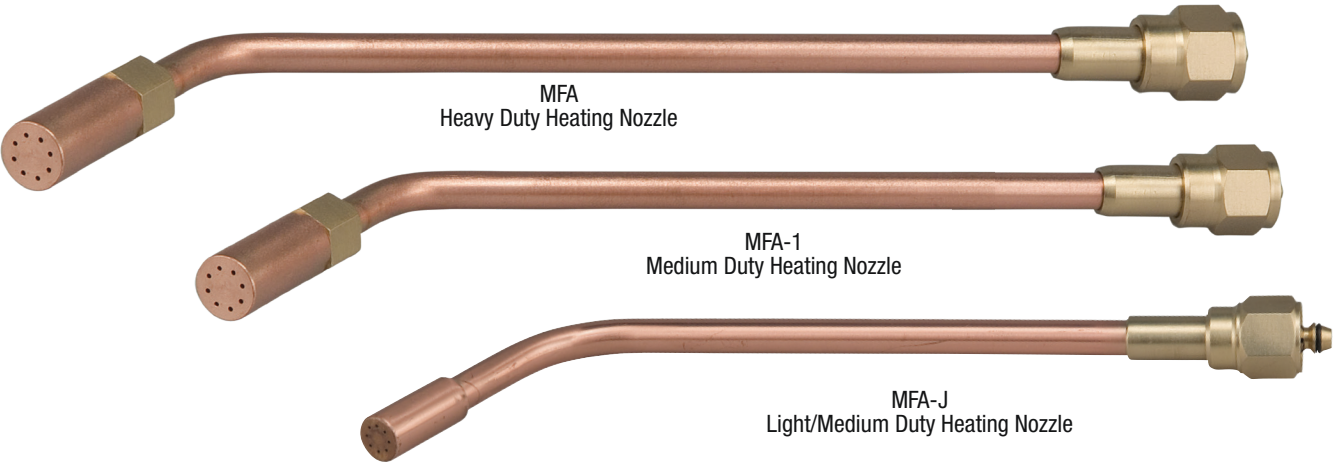
WELDING TIPS (VICTOR® STYLE)
Part Number = Style + Size (e.g. W-1-00)

Style	Sizes	Description
W	1, 2, 3, 4, 5, 6, 7, 8	Heavy Duty - Welding Tip Complete - For WH-315 Victor® Style Handle (300 Series)
W-1	000, 00, 0, 1, 2, 3, 4, 5, 6, 7	Medium Duty - Welding Tip Complete - For WH-100 Victor® Style Handle (100 Series)
ET	000, 00, 0, 1, 2, 3, 4	Tip Only



HEATING NOZZLES
Part Number = Style + Size (e.g. MFA-10)

Style	Sizes	Description
MFA	4, 6, 8, 10, 12, 15	Heavy Duty - Heating Nozzle - For Victor® Style Handle (300 Series)
MFA-1	2, 4, 6, 8	Medium Duty - Heating Nozzle - For Victor® Style Handle (100 Series)
MFA-J	2, 4, 6	Light/Medium Duty - Heating Nozzle - For Victor® Style Handle (J Series)



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**STRAIGHT CUTTING TORCHES (HARRIS® STYLE)
AND KITS**

Part number	Description	Gas Mixer	Length	Head	Oxygen Regulator	Fuel Gas Regulator	Includes
62-3UF	Heavy Duty Straight Cutting Torch	All Fuel Gases	18"	90°			
62-3-250	Heavy Duty Straight Cutting Torch KIT	All Fuel Gases	18"	90°	VSR-250-540	VSR-260-510	Reverse Flow Check Valves
62-3-350	Heavy Duty Straight Cutting Torch KIT	All Fuel Gases	18"	90°	VSR-350-540	VSR-360-510	Reverse Flow Check Valves
62-3-450	Heavy Duty Straight Cutting Torch KIT	All Fuel Gases	18"	90°	VSR-450-540	VSR-460-510	Reverse Flow Check Valves
6236-F70	Heavy Duty Straight Cutting Torch	All Fuel Gases	36"	70°			
6248-F70	Heavy Duty Straight Cutting Torch	All Fuel Gases	48"	70°			
6260-F180	Heavy Duty Straight Cutting Torch	All Fuel Gases	60"	180°			

Note: 62-3UF series includes a universal injector mixer for acetylene and all alternate fuel gases.



62-3 Straight Cutting Torch - 18"



VSR-350-540



VSR-360-510

(See chart above for other torch/regulator combinations)



Reverse Flow
Check Valves



Combination
Flash Back Arrestor/
Check Valve

OXY-FUEL

Use a regulator designed for the gas and pressures you intend to use.
Not doing so can result in unsafe conditions.

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AMERICAN TORCH TIP

400 SERIES REGULATORS

Part number	Description	Gas Service	Inlet Connection	Packaging
VSR-450-540	Heavy Duty Regulator	Oxygen	CGA 540	Box
VSR-450-540-CS	Heavy Duty Regulator	Oxygen	CGA 540	Clam Shell
VSR-460-510	Heavy Duty Regulator	Acetylene	CGA 510	Box
VSR-460-510-CS	Heavy Duty Regulator	Acetylene	CGA 510	Clam Shell
VSR-461-510	Heavy Duty Regulator	LPG	CGA 510	Box
VSR-460-300	Heavy Duty Regulator	Acetylene	CGA 300	Box
VSR-461-300	Heavy Duty Regulator	LPG	CGA 300	Box



VSR-450-540



VSR-460-510



VSR-461-510

Outlet Connections - B

9/16" – 18 RH
9/16" – 18 LH

Delivery Range

Oxygen 5 – 125 psi
Acetylene 2 – 15 psi
Alternate Fuel Gas 2 – 30 psi

Use a regulator designed for the gas and pressures you intend to use.
Not doing so can result in unsafe conditions.

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OXY-FUEL

300 SERIES REGULATORS

Part number	Description	Gas Service	Inlet Connection	Included	Packaging
VSR-350-540	Heavy Duty Regulator	Oxygen	CGA 540		Box
VSR-350-540-CS	Heavy Duty Regulator	Oxygen	CGA 540		Clam Shell
VSRG-350-540	Heavy Duty Regulator w/ Guard	Oxygen	CGA 540	Gauge Guard - Green	Box
VSR-360-510	Heavy Duty Regulator	Acetylene	CGA 510		Box
VSR-360-510-CS	Heavy Duty Regulator	Acetylene	CGA 510		Clam Shell
VSRG-360-510	Heavy Duty Regulator	Acetylene	CGA-510		Box
VSR-361-510	Heavy Duty Regulator w/ Guard	LPG	CGA 510	Gauge Guard - Red	Box
VSR-360-300	Heavy Duty Regulator	Acetylene	CGA 300		Box
VSR-361-300	Heavy Duty Regulator	LPG	CGA 300		Box



VSR-350-540



VSR-360-510



VSR-361-510

Outlet Connections - B

9/16" - 18 RH

9/16" - 18 LH

Delivery Range

Oxygen 5 - 125 psi

Acetylene 2 - 15 psi

Alternate Fuel Gas 2 - 30 psi



Green Gauge Guard
VGG-350



Red Gauge Guard
VGG-360

See Accessories Section

Use a regulator designed for the gas and pressures you intend to use.
Not doing so can result in unsafe conditions.

200 SERIES REGULATORS

Part number	Description	Gas Service	Inlet Connection	Packaging
VSR-250-540	Medium Duty Regulator	Oxygen	CGA 540	Box
VSR-250-540-CS	Medium Duty Regulator	Oxygen	CGA 540	Clam Shell
VSR-260-510	Medium Duty Regulator	Acetylene	CGA 510	Box
VSR-260-510-CS	Medium Duty Regulator	Acetylene	CGA 510	Clam Shell
VSR-261-510	Medium Duty Regulator	LPG	CGA 510	Box
VSR-260-300	Medium Duty Regulator	Acetylene	CGA 300	Box
VSR-261-300	Medium Duty Regulator	LPG	CGA 300	Box



VSR-250-540



VSR-260-510



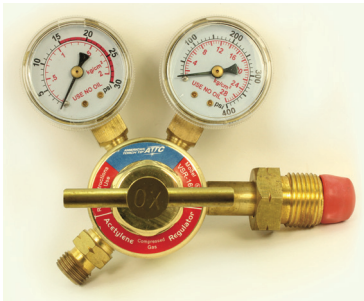
VSR-261-510

150 SERIES REGULATORS (SIDE MOUNT AND REAR MOUNT)

Part number	Description	Gas Service	Inlet Connection	Packaging
VSR-150-540	Light Duty Regulator	Oxygen	CGA 540	Box
VSR-150R-540	Light Duty Regulator	Oxygen	CGA 540 Rear Mount	Box
VSR-160-510	Light Duty Regulator	Acetylene	CGA 540	Box
VSR-160R-200	Light Duty Regulator	Oxygen	CGA 200 Rear Mount	Box



VSR-150-540



VSR-160-510

Outlet Connections - B

9/16" - 18 RH
9/16" - 18 LH

Delivery Range

Oxygen 5 - 125 psi
Acetylene 2 - 15 psi
Alternate Fuel Gas 2 - 30 psi

Use a regulator designed for the gas and pressures you intend to use.
Not doing so can result in unsafe conditions.

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FLOWMETER REGULATOR COMBINATIONS

With Hose

Part Number	Hose Length	Gas Service	Flow Rate	Delivery Range	Inlet Connection
AFM-100-580-CS6	6' Hose	Argon	3000	0-70	CGA 580
AFM-100-580-CS10	10' Hose	Argon	3000	0-70	CGA 580
CFM-100-320-CS6	6' Hose	CO2	3000	0-70	CGA 320
CFM-100-320-CS10	10' Hose	CO2	3000	0-70	CGA 320

Without Hose

Part Number	Gas Service	Flow Rate	Delivery Range	Inlet Connection
AFM-100-580	Argon	3000	0-70	CGA 580
CFM-100-320	CO2	3000	0-70	CGA 320

CHECK VALVES AND FLASH BACK ARRESTORS

Part number	Description	Gas Service	Fittings
TFBA	Torch Mount Flashback Arrestor - Pair Pack	Oxygen / Fuel Gas	9/16"-18
TFBA-O	Torch Mount Flashback Arrestor - Single	Oxygen	9/16"-18
TFBA-F	Torch Mount Flashback Arrestor - Single	Fuel Gas	9/16"-18
RFBA	Regulator Mount Flashback Arrestor - Pair Pack	Oxygen / Fuel Gas	9/16"-18
RFBA-O	Regulator Mount Flashback Arrestor - Single	Oxygen	9/16"-18
RFBA-F	Regulator Mount Flashback Arrestor - Single	Fuel Gas	9/16"-18
CV	Torch Mount Reverse Flow Check Valve - Pair Pack	Oxygen / Fuel Gas	9/16"-18
CV-O	Torch Mount Reverse Flow Check Valve - Single	Oxygen	9/16"-18
CV-F	Torch Mount Reverse Flow Check Valve - Single	Fuel Gas	9/16"-18



Torch Mount Flash Back Arrestors
TFBA



Regulator Mount Flash Back Arrestors
RFBA

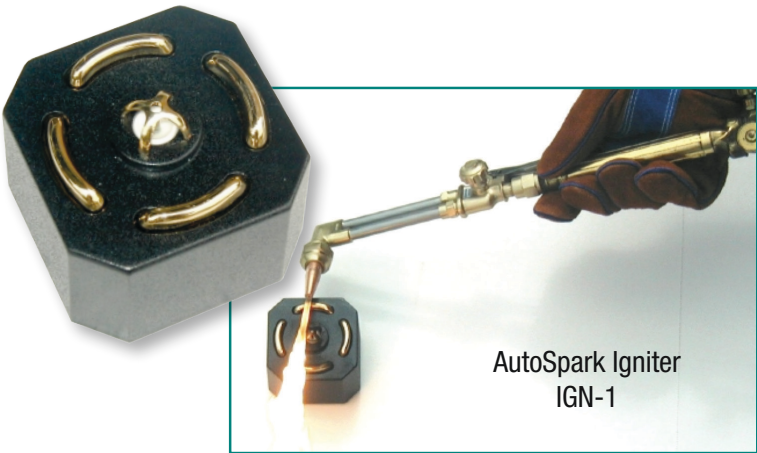


Torch Mount Reverse Flow
Check Valves
CV

350
AMERICAN TORCH TIP

ACCESSORIES

Part Number	Description
IGN-1	Autospark Igniter - Piezo Electric Igniter (Uses 2 - AA batteries)
STK-1	Round Flint Striker
LFG-1	Lift Front Goggles
TCS-1	Standard Tip Cleaner Set
VGG-350	Green Gauge Guard for 300 series gauges
VGG-360	Red Gauge Guard for 300 series gauges



AutoSpark Igniter
IGN-1



Round Flint Striker
STK-1



Tip Cleaner Set
TCS-1



Lift Front Goggles
LFG-1



For
300 Series
Regulators

Green Gauge Guard
VGG-350

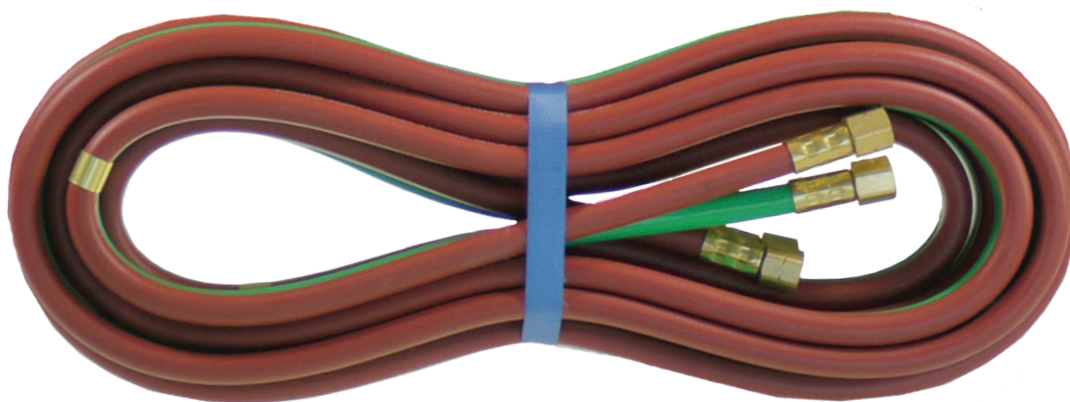
Red Gauge Guard
VGG-360

OXY-FUEL

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HOSE

Part number	Description	Length	Size	Fittings
TH14T800	T-Grade Twin Welding Hose	Reel (800 ft)	1/4"	None
TH1420T	T-Grade Twin Welding Hose	20 ft	1/4"	9/16" - 18
TH1415T	T-Grade Twin Welding Hose	15 ft	1/4"	9/16" - 18
TH1425T	T-Grade Twin Welding Hose	25 ft	1/4"	9/16" - 18
TH1450T	T-Grade Twin Welding Hose	50 ft	1/4"	9/16" - 18
TH14100T	T-Grade Twin Welding Hose	100 ft	1/4"	9/16" - 18
TH14R800	R-Grade Twin Welding Hose	Reel (800 ft)	1/4"	None
TH31625R	R-Grade Twin Welding Hose	25 ft	3/16"	"A" Fittings
TH1420R	R-Grade Twin Welding Hose	20 ft	1/4"	9/16" - 18
TH1415R	R-Grade Twin Welding Hose	15 ft	1/4"	9/16" - 18
TH1425R	R-Grade Twin Welding Hose	25 ft	1/4"	9/16" - 18
TH1450R	R-Grade Twin Welding Hose	50 ft	1/4"	9/16" - 18
TH14100R	R-Grade Twin Welding Hose	100 ft	1/4"	9/16" - 18



T-Grade Twin Welding Hose

OXY-FUEL

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AMERICAN TORCH TIP

MULTI-USE UNIVERSAL TIP SYSTEM

Multi-Use™
 Universal Tip System


The **ADAPTER** rarely wears out.
No need to replace.

The **TIP** is the only portion that
 has to be replaced.
No need to throw away the whole tip!

Easy Upgrade



Step 1
 Remove standard tip



Step 2
 Replace with universal adapter



Step 3
 Screw any Multi-Use tip onto adapter

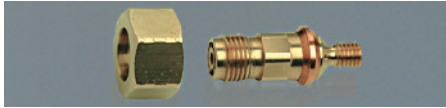
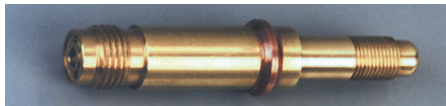
OXY-FUEL

**Benefits:**

- Quick and easy tip changes
- Only one adapter needed for each torch
- Every Multi-Use tip fits every adapter
- Virtually eliminates torch head re-seating
- Tip inventory can be reduced
- Heat, cut and weld with the same torch
- Adapters and tips for all gases

*A simple effective upgrade that can save you
 as much as 60% in replacement tip costs.*

MULTI-USE ADAPTERS

MANUFACTURER	TORCH MODEL #	ADAPTER #	ADAPTER
Airco® (regular)	261 ,261, 275, 361	A-90	
Airco® (small)	145, 155	A-45	
Air Products®	121, M6, 201, KGLG	KG	
Craftsman®	B, BL	CRF	
CIG®	41, 44	CIG	
Esab®	IAD-300, IPB-300	ESAB	
Harris®	6290, NX, NFF, VVC	H62	
Harris®	7490A, 7490BTU	C5	

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AMERICAN TORCH TIP

MULTI-USE ADAPTERS

MANUFACTURER	TORCH MODEL #	ADAPTER #	ADAPTER
Harris®	2890F, 2890P	H-28	
KOIKE®	102, 103, 106, 106D7	KOI	
Marquette®	GW-6, GWP	MKT	
Meco®	LA-6, LM	MCM	
MG®	ARC, PL-RC	MG	
National®	Veriflow A, LPG	N400	
National®	Veriflow 25AA, 25PGS	N15	
Oxweld®	L-TEC 1502, 1534, 1535, 1566, 1567	O-32	

OXY-FUEL

MULTI-USE ADAPTERS

MANUFACTURER	TORCH MODEL #	ADAPTER #	ADAPTER
Purox[®]	L-TEC 4202, 4203, 4213-14	PE	
Rego[®]	KX-6, KX-105	RKX	
Rego[®]	G1-AD, G1-R, G1-T	CCL	
SAF[®]		SAF	
Smith[®]	SC12, SC50	SC	
Smith[®]	LC-6, LC-P	SLT	
Torchweld[®]	250, 251	T75	
Torchweld[®]	650, 651	T36	

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AMERICAN TORCH TIP

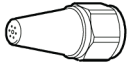
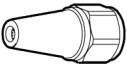
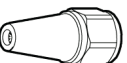
MULTI-USE ADAPTERS

MANUFACTURER	TORCH MODEL #	ADAPTER #	ADAPTER
Torchweld®	243, 247	T30	
Victor®		V40	
Victor®		C14	
Weld It®	S, SP	W37	
Zinser®		ZIN	

OXY-FUEL

MULTI-USE TIPS

Tip Part Number = Style + Size (e.g. SC-56-00)

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
M6	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene		1 piece med preheat		 
M6HS	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Acetylene		1 Piece high speed		 
LG	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	liquified natural gas		2 Piece		 
LGHS	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	liquified natural gas		2 Piece high speed		 

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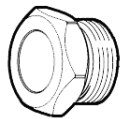
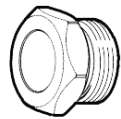
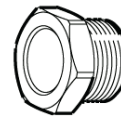
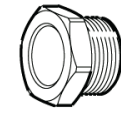
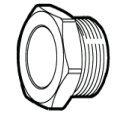
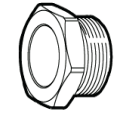
Tip Part Number = Style + Size (e.g. LGPHS-2)

MULTI-USE TIPS

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
LGM	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Mapp		2 piece		
LGMHS	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Mapp		2 piece high speed		image not available
AM8	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Mapp		1 piece		
HTA	1, 2, 3	Acetylene		1 piece		
HTG	1, 2, 3	propane		2 piece		
HTM	1, 2, 3	Mapp		2 piece		
MB	000, 00, 0, 1, 2, 3, 4	Acetylene		brazing tip		
M6H5D7	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene		1 piece high speed stainless steel insert		image not available
LGH5D7	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane/natural gas		2 piece high speed stainless steel insert		image not available
LGP	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Propylene		2 piece		
LGPHS	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propylene		2 piece High speed		
LGPH5D7	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propylene		2 piece high speed stainless steel insert		image not available
LGMHSD7	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Mapp		2 piece high speed stainless steel insert		image not available

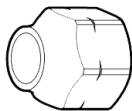
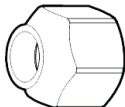
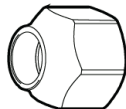
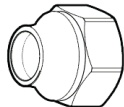
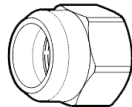
OXY-FUEL

358**AMERICAN TORCH TIP****TIP NUTS**

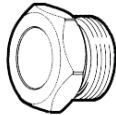
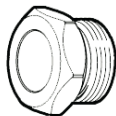
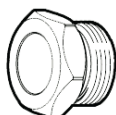
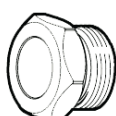
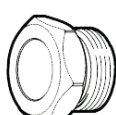
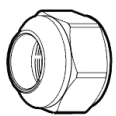
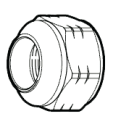
MANUFACTURER	TORCH MODEL	PART #	TIP NUT
Airco	3000, 9000	831-2259	
Airco	2490, 2475	831-2466	
Airco	145, 155 For use with Multi-Use Adapter	A45N-N	
Craftsman	A, D For use with Multi-Use Adapter	CRF-N	
Dockson	C	PE-N	
Dockson	C-6, CG	DOC-N	

OXY-FUEL

TIP NUTS

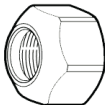
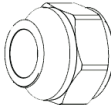
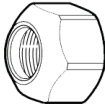
MANUFACTURER	TORCH MODEL	PART #	TIP NUT
Harris	62 (old) Fine	6259A	
Harris	62 (new) Coarse	6259B	
Harris	H-76	7459C5	image not available
Harris	Tip nut For use with Multi- Use Adapter	H62-N	
KG	Screw in	229V-360-000	
Meco	L	1641	

360**AMERICAN TORCH TIP****TIP NUTS**

MANUFACTURER	TORCH MODEL	PART #	TIP NUT
Oxweld	1808	37Z23	
Oxweld	1427	33A34	
Oxweld	C31 & C32	33A56	
Purox	For use with Multi-Use Adapter	PE	
Purox	E	902	
Rexarc (Rego)	KX (Old Style)	3978-21	
Rexarc (Rego)	KX (New Style)	4278-21	

OXY-FUEL

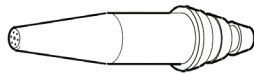
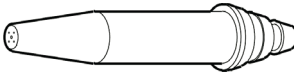
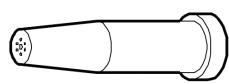
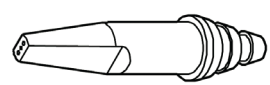
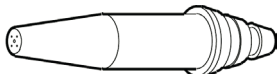
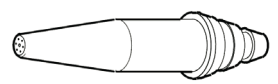
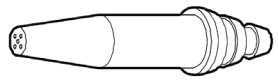
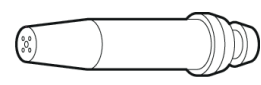
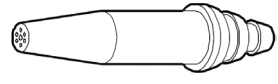
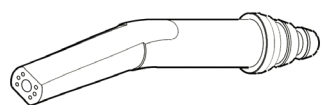
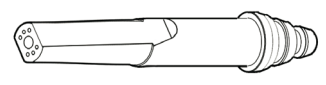
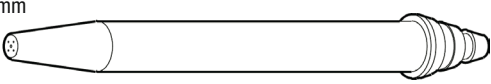
TIP NUTS

MANUFACTURER	TORCH MODEL	PART #	TIP NUT
Smith	LC	G71-A	
Smith	SC	SCG900-41A	
Victor	for 1-101 Series Tips and CA-2460 Cutting Attachment	0309-0018	
Victor	for 3-101 Series tips and CA-1350 Cutting Attachment	0309-0003	
Victor	Use with Multi-Use Adapter C-14 for 1-101 Series tips and CA-2460 Cutting Attachment	C-14-N	

362**AIRCO®**

Tip Part Number = Style + Size (e.g. 112-00)

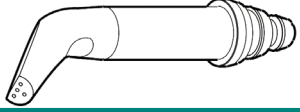
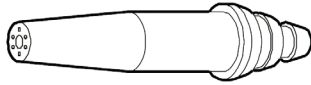
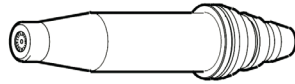
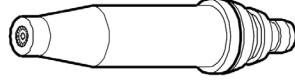
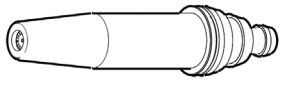
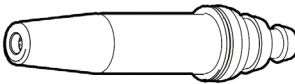
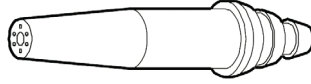
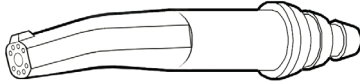
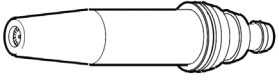
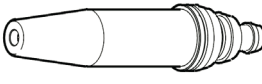
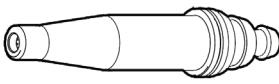
AIRCO® TIPS

STYLE	FUEL	SIZES	APPLICATION	FEATURES	LENGTH	TIP	
45	Acetylene	00, 0, 1, 2, 3, 4, 5, 6, 8, 10	Machine Cutting With Divergent Bore	Medium Preheat 6- Preheat Flames			
45C	Acetylene	0, 1, 2, 3, 4, 6	Machine Cutting With Divergent Bore Copper	Medium Preheat 6- Preheat Flames			
112	Acetylene	00, 0, 1, 2, 3	Hand Cutting Use On Clean Surface Flat Seat Design	Medium -6 Holes 1 Piece Copper	1.75" / 44.5mm		
119	Acetylene	00, 0, 1, 2, 3, 4	Hand Or Machine Cutting Trimming -Thin Sheet For Use In Restricted Areas	Light Preheat -2 Hole 1 Piece	3.4 / 86.4mm		
124	Acetylene	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Hand Or Machine Cutting For Clean Plate	Light Preheat 1 Piece	3.4 / 86.4mm		
138	Acetylene	000, 00, 0, 1, 2, 3, 4, 5, 6	Hand Or Machine Cutting Fine Contour Plate Or Sheet Metal	Light To Medium Preheat Close Circle Pattern	3.4" / 86.4mm		
144	Acetylene	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10	Hand Or Machine Cutting Rusty, Oxidized, Painted Surfaces On Low Carbon Steel & Steel Casting	Medium Sized 11-14 For Rivet Washing & Gouging 1 Piece	3.4" / 86.4mm		
145	Acetylene	00, 0, 1, 2, 3, 4, 5, 6	Hand Cutting General Cutting With Style 2700 Cutting Attach 2 Seat Design	Light To Medium 1 Piece	2.7" / 68.6		
164	Acetylene	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Hand Or Machine Cutting General Cutting Cast Iron Stainless Steel Extensive Preheat Plate Rust Scale Painted Surfaces	Heavy 1 Piece	3.4 / 86.4mm		
183	Acetylene	3, 4, 6, 8, 10, 12	For Grooving , Gouging , Flame Machining & Removing Imperfect Welds	Medium - Tip Bent 20 Degree 1 Piece	4.4 / 111.8mm		
185	Acetylene	6, 8, 10, 12	Gouging	Gouging	4.4 / 111.8mm		
191	Acetylene	1, 2, 3, 4, 5, 6, 7, 8	General Cutting Long 7"		7" / 177.8mm		

OXY-FUEL

Tip Part Number = Style + Size (e.g. 112-00)

AIRCO® TIPS

STYLE	FUEL	SIZES	APPLICATION	FEATURES	LENGTH		TIP
195	Acetylene	1, 2, 3, 4, 5	Hand Or Machine Cutting 45 Degree Machine Cutting Bevel Hand Cutting Rivet Heads/ Bulkheads	Medium - Tip Bent 45 Degree 1 Piece	3.8" / 86.4mm		
196	Acetylene	8, 10, 12, 14	Rivet Washing	Medium - 1 Piece	3.4" / 86.4mm		
345	Mapp	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Machine Cutting -High Speed General Purpose (Same As 245 Except Hs)	High Speed - 2 Piece			
245	Mapp	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Hand Or Machine Cutting General Purpose	Medium Preheat Fine Splines And Flutes 2 Piece	3.3 / 83.8mm		
A-FS	Mapp	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Hand & Machine Cutting General Purpose Cutting	Medium To Heavy Even Preheat Pattern 2 Piece Fine Spline	3.4" / 86.4mm		
A-FH	Mapp	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Hand & Machine Cutting General Purpose Use With High Pressure Cutting Oxygen	Heavy Preheat Even Preheat Pattern 2 Piece Designed For High Speed Cutting	3.4" / 86.4mm		
A-SP	Mapp / Propylene	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Hand Cutting	1 Piece -8 Preheat	3.4 / 86.4mm		
A-G-1	Mapp / Propylene	3, 4, 6, 8, 10, 12	Grooving & Gouging Deseaming And Removing Imperfect Welds	Medium To Heavy Preheat - Tip Bent 30 Degrees For Easy Use 1 Piece Speed Medium	4.8 / 121.9mm		
A-GW-30	Mapp / Propylene	113, 147, 191, 250, 86	Gouging Rivet Washing Straight				
A-GFS	Propane / Propylene / Natural Gas	1, 2, 6, 4, 6, 8	Gouging Straight				
183P	Propane / Natural Gas	6, 7, 8, 10, 11, 12	Gouging Bent				
219	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Hand Or Machine Cutting General Purpose Cutting	Light Preheat 2 Piece	3.4" / 86.4mm		
229	Propane / Natural Gas	00, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14	Hand Or Machine Cutting General Purpose Cutting	Light 2 Piece	3.4" / 86.4mm		

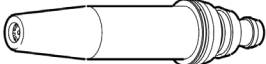
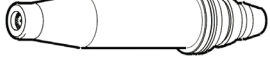
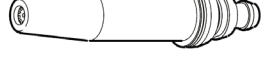
OXY-FUEL

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AIRCO[®]

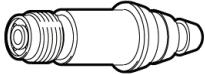
Tip Part Number = Style + Size (e.g. 112-00)

AIRCO[®] TIPS

STYLE	FUEL	SIZES	APPLICATION	FEATURES	LENGTH		TIP
261	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Hand Or Machine Cutting Hand Cutting Material In Excess Of 8" Machine Cutting Up To 14" For Cutting Clean Plate.	Heavy Preheat 2 Piece Exceptainal Flame Stability	3.4" / 86.4mm		
263	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Hand Or Machine Cutting General Purpose Cutting Straight Bore Cutting For Material Up To 8"	Medium Preheat- 22 Degree V Splines For Max Heat Transfer Fast Piercing/ Starting 2 Piece	3.4" / 86.4mm		
275	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Hand Or Machine Cutting General Purpose For Thick Plate Straight Bore Cutting	Fast Preheat - 22 Degree V Splines Sizes 00-5- 36 Degree V Splines 6-8	3.3" / 83.8mm		
287	Propane / Natural Gas	6, 8, 10, 12	Grooving & Gouging For Removing Imperfect Welds	Heavy Preheat Tip Bent 22 Degree Low Velocity Oxygen Stream	5.3 / 134.6mm		
297	Propane / Natural Gas	8, 10, 12	Rivet Washing		3.4 / 86mm		
361	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 6, 8, 10	Machine	High Speed -2 Piece			
363	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 8, 10	Machine	High Speed -2 Piece			
375	Propane / Natural Gas	00, 0, 1, 2, 3, 4, 5, 6, 7, 8,	Machine Cutting- High Speed Diverged Orifice Allows More Cutting Oxygen Pressure	Heavy Fast Preheat 2 Piece -22 Degree V Splines Designed For High Speed Cutting	3.3" / 83.8mm		
A-GFB	Propane / Propylene / Natural Gas	1, 2, 4, 6, 8	Gouging Bent				
209F	Propylene	5/0, 4/0, 000, 00, 0 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	General Cutting	2 Piece	3.4 / 86mm		

OXY-FUEL

AIRCO[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	LENGTH	MultiUse ADAPTER
A-90	REGULAR Replaces 124, 144, 164, 261, 275, 361	Use standard Airco nut with this adapter	2.25" / 57.2 mm	 
A-45	SMALL Replaces 145 – 155	 A45N required adapter nut	2.0" / 50.8 mm	 

See Multi-Use section for selection of tips for your torch.

AIRCO[®] TIP NUTS

PART #	TORCH STYLE	TIP NUTS
831-2259	3000, 9000	
831-2466	2475, 2490	
A45N-N	145 – 155	

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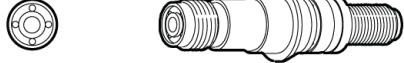
AIR PRODUCTS[®] / AGA

Tip Part Number = Style + Size (e.g. 121-00)

AIR PRODUCTS[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
121	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene	General purpose hand or machine cutting	Medium preheat 1 piece	3.8" / 96.5mm	
164	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Acetylene	General purpose hand or machine cutting 1-piece - conical seat	Light preheat	3.4" / 86.4mm	
261	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Propane/ Natural gas	General purpose hand or machine cutting	Heavy preheat 2 piece	3.4" / 86.4mm	

AIR PRODUCTS[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
KG	121, M6, 201, KGLG	Use standard Air Products tip nut with this adapter	

See Multi-Use section for selection of tips for your torch.

AGA[®] – EUROPEAN

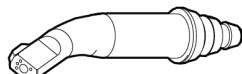
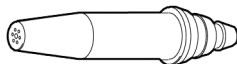
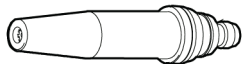
STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
211	1, 2, 3, 4, 5	Acetylene	General purpose	Medium preheat 1 piece	44mm	
302	2, 3, 4, 5, 6, 7, 8	Acetylene	General purpose	Medium to heavy preheat 1 piece	88mm	
211-Tetrene	1, 2, 3, 4, 5	MAPP/ propylene	General purpose	Light preheat 2 piece	44mm	

Tip Part Number = Style-Tetrene + Size e.g. 211-Tetrene-4

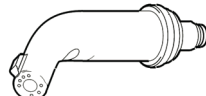
OXY-FUEL

Tip Part Number = Style + Size (e.g. ANME-1/16-10-25mm)

BOC – EUROPEAN

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP	
AGNM	13, 19, 25, 1/4, 3/16	Acetylene	Hand gouging for fast accurate removal of weld defects and weld preparation	Medium preheat 1 piece speed fast	3.93" / 100MM		
ANME	1/32-3-5mm, 3/64-5-10mm, 1/16-10-25mm, 5/64-25-50mm, 3/32-50-100mm, 7/64-100-200mm, 1/8-200-300mm	Acetylene	GENERAL PURPOSE	LONG	3.46" / 88mm		
PNME	1/32-3-5mm, 3/64-5-10mm, 1/16-10-25mm, 5/64-25-50mm, 3/32-50-100mm, 7/64-100-200mm, 1/8-200-300mm	Natural gas / Propane	GENERAL PURPOSE	LONG	3.46" / 88mm		

CIG – EUROPEAN

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP	
41	6, 8, 10, 12, 15, 20, 24, 32	Acetylene	General purpose cutting			image not available	
41HS	6, 8, 12, 15, 20, 24, 32	Acetylene	High speed	Medium preheat 1 piece	2.7" / 70mm	image not available	
41GS	32, 48, 64	Acetylene	Gouging -straight	Medium preheat 1 piece straight design	2.7" / 70mm		
41GB	32, 48, 64	Acetylene	Gouging - bent	Heavy preheat 1 piece bent design	3.7" / 95mm		

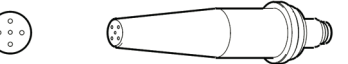
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CIG / CRAFTSMAN

Tip Part Number = Style + Size (e.g. 44HS-8)

CIG® – EUROPEAN STYLE (continued from previous page)

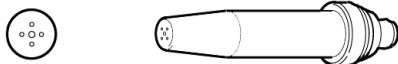
STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
44	6, 8, 10, 12, 15, 20, 24, 32	Acetylene	General purpose cutting	Medium preheat 2 piece	2.7" / 70mm	
44HS	6, 8, 12, 15, 20, 24, 32	Acetylene	High speed cutting	Medium preheat 2 piece	2.7" / 70mm	
44GB	32, 48, 64	Acetylene	Gouging -bent	Heavy preheat 1 piece	3.7" / 95mm	
44GS	32, 48, 64		Gouging -straight	Heavy preheat 1 piece	2.7" / 70mm	

CIG® MULTI-USE ADAPTER

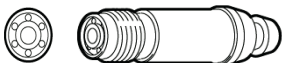
PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
CIG	41, 44	Use standard CIG tip nut with this adapter	

See Multi-Use section for selection of tips for your torch.

CRAFTSMAN®

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
B	68, 62, 60, 56, 52, 49	Acetylene	Hand cutting general or scrap cutting	Medium preheat 1 piece	3.0"/76.2mm	
BL	68, 62, 60, 56, 52, 49	Propane/ Natural gas	General purpose hand or machine cutting	Light preheat 2 piece	3.0"/76.2mm	

CRAFTSMAN® MULTI-USE ADAPTER

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
CRF	B, BL	Use standard tip nut	
	A, D	Use CRF-N (see next page)	

See Multi-Use section for selection of tips for your torch.

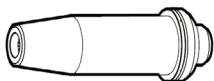
Tip Part Number = Style + Size (e.g. C-6-00)

CRAFTSMAN[®] / DOCKSON[®]

CRAFTSMAN[®] TIP NUT

PART #	TORCH STYLE	TIP NUT
CRF-N	A, D	

DOCKSON[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
C-6	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene	Hand cutting & cutting attachments general purpose	Medium preheat 1 piece		
CG	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane / Natural gas	Hand cutting general purpose	Medium preheat 2 piece	2.8" / 71.12mm	

DOCKSON[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
DOC-A	C-6 & CG	DOC-N nut required with this adapter	
DOC-N	C-6 & CG		

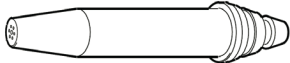
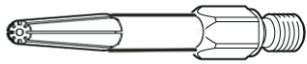
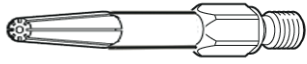
See Multi-Use section for selection of tips for your torch.

DOCKSON[®] TIP NUT

PART #	TORCH STYLE	TIP NUT
PE-N	C	

OXY-FUEL

370**ESAB[®]****ESAB[®]***Tip Part Number = Series + Size e.g. 4.450.001*

STYLE	SERIES	SIZES	FUEL	APPLICATIONS	FEATURES	TIP
IAA-250K	4.450.	000, 001, 002, 003, 004, 005, 006, 007,	Acetylene	High Speed Cutting	2 piece COMPLETE	image not available
IAA-250K	4.450.	500, 501, 502	Acetylene	Standard Cutting	EXTERNAL	image not available
GAA 300 L	4.450.	071, 072, 073, 074, 075, 076,	Acetylene	Standard Cutting Nozzle	1 piece	
IAD 300 L	4.450.	290, 291, 293, 294, 295, 296, 297	Acetylene	Standard Cutting Nozzle	INNER	
GAC100L	4.450.	242, 243, 244	Acetylene	High Performance Cutting Nozzle	1 piece	image not available
GPB-300L	4.450.	091, 092, 093, 094, 095, 096, 097, 098	Propane/ Natural Gas	High Speed Cutting Nozzle	1 piece	image not available
IPB - 300L	4.450.	040, 041, 042, 043, 044, 045, 046, 047, 048,	Propane/ Natural Gas	High Speed Cutting Nozzle	INNER	image not available
IPB - 300L	4.450.	545	Propane/ Natural Gas	High Speed Cutting Nozzle	OUTER	image not available
IPB - 300L	4.450.	260, 261, 262, 263, 264, 265,	Propane/ Natural Gas	High Performance Cutting Nozzle	INNER	
AMA250K	4.450.	020, 021, 022, 023, 024, 025, 026, 027	Propane/ Natural Gas	Standard Cutting Nozzle	INNER	
IPA250K	4.450.	521, 522, 561	Propane/ Natural Gas	Standard Cutting Nozzle	OUTER for AMA250K (above)	image not available
IPD-300L	4.450.	560	Propane/ Natural Gas	Super high speed	2 piece	image not available

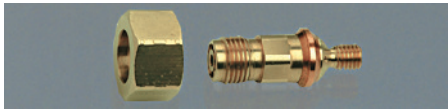
*(continued on next page)***OXY-FUEL**

Nozzle Part Number = MODEL e.g. A-10

ESAB®

MODEL	SERIES	SIZES	FUEL	APPLICATIONS	FEATURES	TIP
A-8			Acetylene	Marking Nozzle	1 piece	image not available
A-10			Propane/ Natural Gas	Marking Nozzle	1 piece	image not available
P-8			Acetylene	Marking Nozzle	1 piece	image not available
P-10			Propane/ Natural Gas	Marking Nozzle	1 piece	image not available

ESAB® MULTI-USE ADAPTERS

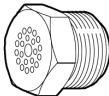
PART #	TORCH STYLE	ADAPTER NUT	MultiUse ADAPTER
ESAB	IAD-300, IPB-300		

See Multi-Use section for selection of tips for your torch.

OXY-FUEL

Tip Part Number = Style + Size e.g. SDS-26F

GEGA® – EUROPEAN

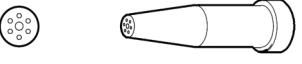
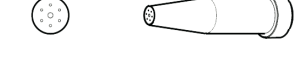
STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
SDS	26F, 28F, 33F, 36F, 33FP, 40F	Propane / Natural gas	Machine cutting continuous casting	Heavy preheat 1 piece	1.0"/25.4mm	 

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HARRIS[®]

Tip Part Number = Style + Size (e.g. 3690-00)

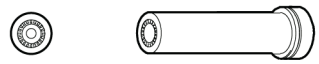
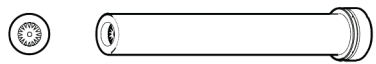
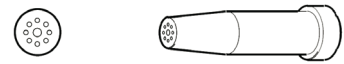
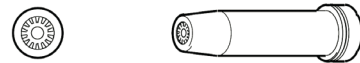
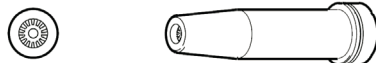
HARRIS[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
3690	00, 0, 1, 2	Acetylene	Mini Cutting Tip Can Be Use For Welding & Brazing	Light Preheat	1.5"/38.1 mm	
6290A	000, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General Purpose	Medium Preheat 1-Piece	2.5"/63.5mm	
6290S	000, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General Purpose , Scrap Heavily Rusted, Ideal For Beveling Cutting Plate 1/16 To 1/2"	Heavy Preheat 1 Piece	2.4/61.0mm	
6290D	1, 2, 3	Acetylene	Hand Cutting Drag Type For Cutting And Trimming Light Plate	Light Preheat 1 Piece	2.5"/63.5mm	
6290G	1, 2, 3	Acetylene	Gouging, Grooving And Removing Imperfect Welds	Medium Preheat 1 Piece Bent	2.3/58.4mm	
7490A	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene	General Purpose	Medium Preheat 1 Piece	3.9/99.1mm	
3690P	00, 0, 1, 2	Propane/ Natural Gas	Mini Cutting Tip 2 Piece	Light Preheat	1.3"/33.3mm	
6290N	000, 00, 0, 12, 3, 4, 5, 6,	Propane/ Natural Gas	General Purpose	Medium Preheat	2.5"/63.5mm	
6290NH	4, 5, 6, 7, 8	Propane/ Natural Gas	Machine Cutting For Heavy Cutting Of Plate	Medium Preheat	2.5"/63.5mm	
6290NX	000, 00, 0, 1, 2, 3, 4, 5, 6	Propane/ Natural Gas	Hand & Machine Cutting General Purpose Straight Line Clean Surface Cutting 3/16-12"	Medium Preheat	2.5/63.5mm	
6290NXP	000, 00, 0, 1, 2, 3, 4, 5, 6	Propane/ Natural Gas	Hand & Machine Cutting General Purpose Straight Line Clean Surface Cutting 3/16-12" (Deeper Recess Than Nx)	Medium Preheat	2.5"/63.5mm	
6290NFF	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	Hand & Machine Cutting General Cutting General Purpose Scrap, Heavily Rusted, Scaled Or Painted Metal 5/8 To 12" Ideal For Bevel	Medium Preheat 2 Piece Chrome Plated Ext	2.5"/63.5mm	

OXY-FUEL

Tip Part Number = Style + Size (e.g. 6290GG-3)

HARRIS[®]

STYLE	FUEL	SIZES	APPLICATION	FEATURES	LENGTH	TIP
6290NFW	4, 5, 8	Propane/ Natural Gas	Hand & Cutting Gouging, Rivet Washing, Removing Weld Metal . Metal Prepara- tion And Beveling	Medium To Heavy Preheat 2 Piece	2.5"/63.5mm	
6290HRW	4, 5, 8	Propane/ Natural Gas	Rivet Washing	Heavy Preheat 2 Piece	2.5"/63.5mm	
6290VVC	5/0, 4/0, 000, 00, 0, 1/2, 1, 1 1/2, 2, 2 1/2, 3, 4, 5, 6,	Propane/ Natural Gas	Machine Cutting High Speed Oxygen Flow - Narrow Cut- ting Jet And Kerf	Heavy Preheat 2 Piece	2.5"/63.5mm	
6290 GG	1, 2, 3	Propane/ Natural Gas	Gouging 1 Piece Bent	Medium Preheat	4.0"/101.6mm	
2290HH	1, 2, 3, 4, 5	Propane/ Natural Gas	Hand Heating	High Heat	3.25"/82.6mm	
7490 BTU	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane/ Natural Gas	General Purpose	Heavy Preheat 1 Piece (Rug- ged/Durable)	3.9"/99.1mm	
6290H-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	General Purpose Metal Cut- ting 3/16" To 12"	Medium Preheat 1 Piece	2.4"/61.0mm	
6290H-FS	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	General Purpose Cutting Metal 3/16 To 12"	Medium To Heavy 2 Piece Fine Spline Flutes	2.4"/61.0mm	
6290VVC	5/0, 4/0, 000, 00, 0, 1/2, 1, 1 1/2, 2, 2 1/2, 3, 4, 5	Mapp	Machine Cutting	Medium Preheat 2 Piece	2.4"/61.0mm	
6290VVCP	5/0, 4/0, 000, 00, 0, 1/2, 1, 11/2, 2, 2 1/2, 3, 4, 5, 6,	Mapp	Machine Cutting Precision High Speed Machine Cutting High Speed Oxygen Flow Narrow Cutting Jet Low Fuel Consumption Narrow Kerf	Heavy 2 Piece	2.5"/63.5mm	
2290MPHD	1, 2, 3, 4, 5	Mapp	Hand Heating	Heavy Heating For Mapp Gas	2.0"/50.8mm	
6290H-FH	72, 68, 65, 62, 60, 56, 54, 52, 49, 46, 44, 42, 38	Mapp	High Speed 2 Piece			image not available

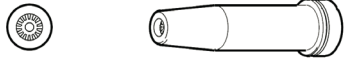
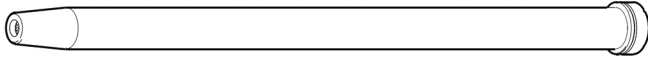
OXY-FUEL

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HARRIS[®]

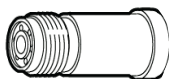
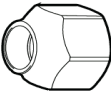
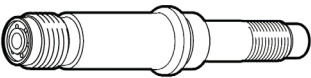
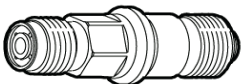
Tip Part Number = Style + Size (e.g. 8490-2)

HARRIS[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
6290NFFL	000P, 00P, 0P, 1P, 2P, 3P, 4P, 0P	Hpg Gas	Hpg Gas Long	8" Long	8" / 203.2 mm	image not available
6290NXM	000, 00, 0, 1, 2, 3, 4, 5, 6		General Cutting	2 Piece		
6290VAX	0, 1, 2, 3, 4, 5, 6	Acetylene	High Speed	2 Piece Chromed		image not available
6290VVCPM	5/0, 4/0, 000, 00, 0, 1/2, 1, 1 1/2, 2, 2 1/2, 3, 4, 5, 6	Mapp/Pro- pylene	High Speed	2 Piece		image not available
8490	2, 3, 4, 4 1/2, 5, 6	Acetylene	Welding Tip			image not available
8490N	2, 4, 5, 6, 7, 8,	Propane/ Natural Gas	Welding Tip			image not available
6290NFFL	000, 00, 0, 1, 2, 3, 4, 6	Propane/ Natural Gas	Standard Tip Long		8" / 203.2 mm	
6290NFFLM		Mapp	Mapp Long		8" / 203.2 mm	
6290NHM		Mapp	General Purpose		2.5/33.3 mm	image not available

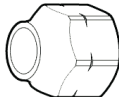
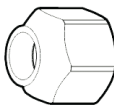
OXY-FUEL

HARRIS[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER	
H62A	6290, NX, NFF, VVC	H62N nut required with this adapter		
H62N	6290, NX, NFF, VVC			
C5	7490A, 7490BTU	Use standard Harris [®] Nut		
H28	2890F, 2890P	Use standard Harris [®] Nut		

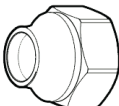
See Multi-Use section for selection of tips for your torch.

HARRIS[®] TIP NUTS

PART #	MODEL #	NUT
6259A	62 (old) Fine	
6259B	62 (new) Coarse	
7459C5	H-76	image not available

OXY-FUEL

KG[®] TIP NUT

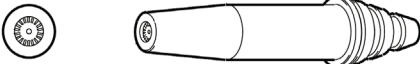
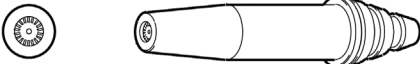
PART #	MODEL #	NUT
229V-360-000	Screw In	

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KOIKE® / MARQUETTE®

Tip Part Number = Style + Size (e.g. 106-0-8)

KOIKE®

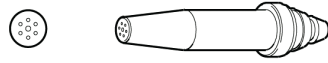
STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
106M7	1, 2, 3, 4, 5, 6	Propane/ Natural Gas	High Speed Cutting Stainless Steel Insert	2 Piece		
106-0	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane/ Natural Gas	Standard Tip With O Ring	2 Piece		
106-07S	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	High Speed Chromed Stainless Steel Insert	2 Piece		
106Q7	00, 0, 1, 2, 3, 4, 5, 6, 8	Propane/ Natural Gas	High Speed Chromed Stainless Steel Insert	2 Piece		
107D7S	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane/ Natural Gas	High Speed Stainless Steel Insert	2 Piece		
406NT	00, 0, 1, 2, 3, 4, 5	Propane/ Natural Gas	General Cutting	2 Piece		
EPOCH	100, 150, 300, 600	Propane/ Natural Gas	Cast Or Cutoff	2 Piece		image not available

KOIKE® MULTI-USE ADAPTER

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
KOI	102, 103, 106, 106 D7	Use standard Koike nut with this adapter	

See Multi-Use section for selection of tips for your torch.

MARQUETTE®

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
GW-6	00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General cutting	Light To Medium Preheat 1 Piece	3.5"/88.9mm	
GWP	00, 0, 1, 2, 3, 4, 5, 6	Propane / Natural gas	General cutting	Light To Medium Preheat 2 Piece	3.5"/88.9mm	image not available

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OXY-FUEL

Tip Part Number = Style + Size (e.g. LM-00)

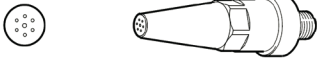
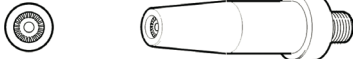
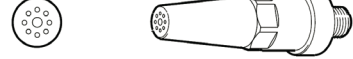
MARQUETTE[®] / MECO[®]

MARQUETTE[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
MKT	GW-6, GWP	Use standard Marquette nut with this adapter	

See Multi-Use section for selection of tips for your torch.

MECO[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
LA-6	00, 0, 1, 2, 3, 4, 5, 6	Acetylene	Hand cutting	Medium Preheat 1 Piece	2.8"/71mm	
LM	00, 0, 1, 2, 3, 4, 5, 6	Propane/ Natural Gas	Hand general purpose	Medium Preheat 2 Piece Milled Tip	2.9"/73.7mm	
LB	00, 0, 1, 2, 3, 4, 5, 6	Propane/ Natural Gas	Hand general purpose	Medium Preheat 1 Piece With Recess	2.8"/71mm	
M-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 35, 30	Mapp/ Propylene	General purpose	Medium Preheat 1 Piece	2.8"/71mm	
M-FS	72, 68, 60, 56, 52, 49, 44, 42, 38	Mapp/ Propylene	General purpose	Medium To Heavy 2 Piece	2.8"/71.1mm	

OXY-FUEL

MECO[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
MCM	LA-6, LM	Use standard Meco nut with this adapter	

See Multi-Use section for selection of tips for your torch.

MECO[®] TIP NUTS

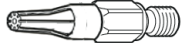
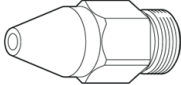
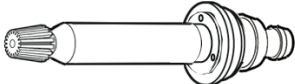
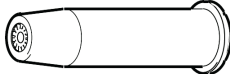
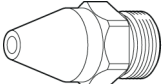
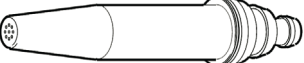
PART #	TORCH STYLE	TIP NUT
1641	L	

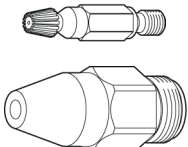
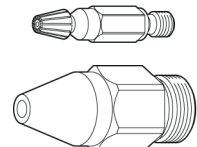
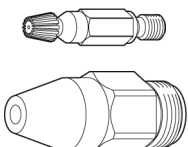
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MESSER®

OXY-FUEL

STYLE	PART #	CUT RANGE	FEATURES	FUEL	TIP / INTERNAL / OUTER
Vadrum® style 1210-A	716.15760	2-5 mm	Internal	Acetylene	 
	716.15761	3-5 mm	Internal		
	716.15762	6-10 mm	Internal		
	716.15763	10-25 mm	Internal		
	716.15764	25-50 mm	Internal		
	716.15765	50-80 mm	Internal		
	716.15766	80-100 mm	Internal		
	716.15769	100-150 mm	Internal		
	716.15770	2-150 mm	OUTER		
Gricut® style 8280	716.16072	7-15 mm	Internal	Mapp/Propane	 
	716.16073	15-25 mm	Internal		
	716.16074	25-40 mm	Internal		
	716.16075	40-60 mm	Internal		
	716.16076	60-100 mm	Internal		
	716.16077	100-200 mm	Internal		
	716.16078	200-250 mm	Internal		
	716.16080	3-100 mm	OUTER		
	716.16100	100-300 mm	OUTER		
A-RS	666.17101	2-8 mm	Internal	Acetylene	 
	666.17102	3-10 mm	Internal		
	666.17103	10-25 mm	Internal		
	666.17104	25-40 mm	Internal		
	666.17105	40-60 mm	Internal		
	666.17106	60-100 mm	Internal		
	666.17107	100-200 mm	Internal		
	666.17108	200-300 mm	Internal		
	666.17115	2-100 mm	OUTER		
	666.17116	100-300 mm	OUTER		
1215-A	716.15941	3-5 mm	Internal	Acetylene	 
	716.15942	6-10 mm	Internal		
	716.15943	10-25 mm	Internal		
	716.15944	25-40 mm	Internal		
	716.15945	40-60 mm	Internal		
	716.15946	60-100 mm	Internal		
	716.15947	100-150 mm	Internal		
	716.15948	150-230 mm	Internal		
	716.15949	230-300 mm	Internal		
	716.15950	3-150 mm	OUTER		
	716.15951	150-300 mm	OUTER		
PLRC	666.17225	2-8 mm	Internal	Mapp/Propane	 
	666.17226	3-10 mm	Internal	Mapp/Propane	
	666.17227	10-25 mm	Internal	Mapp/Propane	
	666.17228	25-40 mm	Internal	Mapp/Propane	
	666.17229	40-60 mm	Internal	Mapp/Propane	
	666.17230	60-100 mm	Internal	Mapp/Propane	
	666.17231	100-200 mm	Internal	Mapp/Propane	
	666.17232	200-300 mm	Internal	Mapp/Propane	
	666.17235	2-100 mm	OUTER	Propane	
	666.17236	100-300 mm	OUTER	Propane	
	716.15919	2-100 mm	OUTER	MAPP	
	716.15920	100-300 mm	OUTER	MAPP	
A-CID	716.16020	3-5 mm	1 Piece	Acetylene	
	716.16021	6-10 mm	1 Piece		
	716.16022	10-25 mm	1 Piece		
	716.16023	25-40 mm	1 Piece		
	716.16024	40-60 mm	1 Piece		
	716.16025	60-80 mm	1 Piece		
	716.16026	80-100 mm	1 Piece		
	716.16027	100-200 mm	1 Piece		
	716.16028	200-300 mm	1 Piece		

STYLE	PART #	CUT RANGE	FEATURES	FUEL	TIP / INTERNAL / OUTER
1230 PMYF	716.15901	3-10 mm	Internal	Mapp/Propane	
	716.15902	7-15 mm	Internal		
	716.15903	15-25 mm	Internal		
	716.15904	25-40 mm	Internal		
	716.15905	40-60 mm	Internal		
	716.15906	60-100 mm	Internal		
	716.15900	3-100 mm	OUTER		
1270 PYF	716.15910	2-5 mm	Internal	Mapp/Propane	
	716.15921	3-5 mm	Internal		
	716.15922	6-10 mm	Internal		
	716.15923	10-25 mm	Internal		
	716.15924	25-50 mm	Internal		
	716.15925	50-80 mm	Internal		
	716.15926	80-100 mm	Internal		
	716.15930	100-150 mm	OUTER	Propane	
	716.15932	2-150 mm	OUTER	Mapp	
1280 PMYF	716.15927	100-200 mm	Internal	Mapp/Propane	
	716.15928	200-250 mm	Internal		
	716.15929	250-300 mm	Internal		
	716.15931	100-300 mm	OUTER		
Alfa[®] style	816.11301ATT		OUTER (contact cap)	Mapp/Propane Acetylene	
	<i>Replaces 716.11301 outer contact cap (see next page)</i>				

(continued on next page)

MG[®] MULTI-USE ADAPTERS

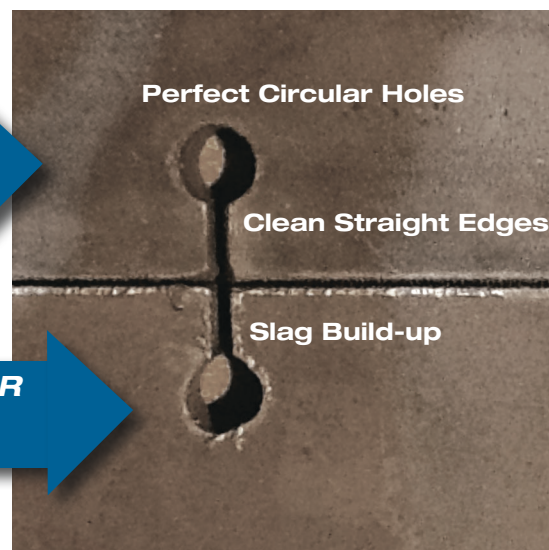
PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
MG	ARC, PLRC	Use standard MG nut with this adapter	

See Multi-Use section for selection of tips for your torch.

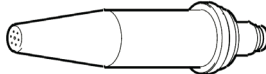
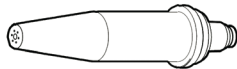
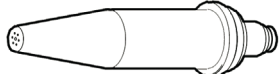
MESSER®

ATTC® Outer Nozzle and Torch Cap must be used with ATTC® Tapered Insert

OXY-FUEL



Tip Part Number = Style + Size (e.g. 1515-8)

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP	
1501	2, 3, 4, 6, 8, 10, 12	Acetylene	Hand & Straight Line Machine Cutting. Use On Clean Surfaces General Purpose	Light To Medium Preheat 1 Piece Swaged Copper	3.4" / 86.4mm		
1502	2, 3, 4, 6, 8, 10, 12	Acetylene	Hand & Machine Cutting General Purpose Poor Or Dirty Surfaces .Machine Cut Irregular Shapes	Medium Preheat 1 Piece	2.8" / 71.1mm		
1505	20, 24, 28	Acetylene	Deseaming -Scarfig	Medium Preheat 1 Piece		image not available	
1511	13, 19, 25	Acetylene	Gouging Removing Defective Welds Grooving Steel Plate Or Castings	Medium Preheat 1 Piece Angled	3.4" / 86.4mm		
1514	28, 31, 47, 52, 60, 80, 100, 120, 140	Acetylene	Machine Cutting, Cutting Bars, Billet And Forging Blanks Low Or Medium Pressure Acetylene	Heavy Preheat 1 Piece	2.8" / 71.1mm		
1563	1/2, 3/4, 1, 1-1/2, 2, 2 1/2, 4, 6, 10, 14	Acetylene	Machine Cutting High Speed Cutting Can Bevel Clean Plate Up To 45 Degree	Heavy Preheat 1 Piece Fuel Saving Features	2.8" / 71.1mm		
1565	1/8, 1/4, 1/2, 3/4, 1, 1-chrome, 1 1/2, 2, 3, 4, 6, 8	Acetylene	General Purpose Bevel Plate Up To 45 Degree	Medium Preheat 1 Piece Low Fuel Use	2.8" / 71.1mm		

(continued on next page)

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OXWELD®

Tip Part Number = Style + Size (e.g. 1515-8)

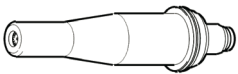
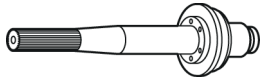
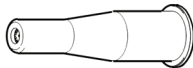
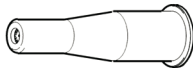
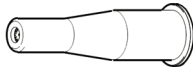
OXWELD®

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
1508	24, 28	Propane/ Natural Gas	Hand Use For Scarfing -Deseaming	Medium Preheat 2 Piece Fur- nished With Wearing & Nut		image not available
1515	3, 4, 6, 8, 10, 12, 14, 16, 18, 20	Propane/ Natural Gas	General Purpose Use For Gouging	Medium Preheat 1 Piece Swaged Copper With Re- cessed Front		
1536	19, 25, 31, 40, 43, 47, 52, 60, 80, 100, 120	Propane/ Natural Gas		2-piece		
1540	6, 8, 10, 12, 14, 16, 18, 20	Propane/ Natural Gas		2-piece		image not available
1542	13, 19, 25, 25- S, 10, 12	Propane/ Natural Gas		2-piece		image not available
1551	4, 6, 8, 10, 12, 16, 18, 20	Propane/ Natural Gas		2-piece		image not available
1564	1/2, 1 1/2, 3/4, 1 1/2, 2, 4, 6, 8, 10, 12	Propane/ Natural Gas		1-piece		
1566 (COMPLETE)	1/8, 1/4, 1/2, 3/4, 1 1/2, 1, 2, 2 1/2, 3, 4, 6, 8, 10, 12, 14, 16	Propane/ Natural Gas		2-piece		
part number for 2-piece tip = STYLE + SIZE + COMPLETE e.g. 1566-4-COMPLETE						
1566	1/8, 1/4, 1/2, 3/4, 1 1/2, 1, 2, 2 1/2, 3, 4, 6, 8, 10, 12, 14, 16	Propane/ Natural Gas		INTERNAL ONLY		
part number for internal only = STYLE + SIZE e.g. 1566-4						

OXY-FUEL

Tip Part Number = Style + Size (e.g. 1515-8)

OXWELD[®] 1534

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP	
1534 (COMPLETE)	2, 3, 4, 6, 8, 10, 12, 14, 16, 20, 22	Propane/ Natural Gas	General Purpose	COMPLETE Medium Preheat 2 Piece	3.3" / 83.8mm		
part number for 2-piece tip = STYLE + SIZE + COMPLETE e.g. 1534-4-COMPLETE							
1534	2, 3, 4, 6, 8, 10, 12, 14, 16, 20, 22	Propane/ Natural Gas		INTERNAL ONLY			
part number for internal only = STYLE + SIZE e.g. 1534-4							
14Z38	2, 3, 4	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1534			
this part # used for above listed sizes (for style 1534)							
14Z39	6, 8	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1534			
this part # used for above listed sizes (for style 1534)							
14Z77	10, 12	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1534			
this part # used for above listed sizes (for style 1534)							
14Z69	14, 16, 20, 22	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1534			
this part # used for above listed sizes (for style 1534)							
639322		Propane/ Natural Gas	External Sleeve For The 1534 Series	EXTERNAL SLEEVE ONLY for style 1534		image not available	

EXTERNAL SLEEVES FOR 1534

EXTERNAL SLEEVE FOR 1534

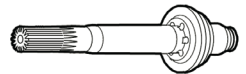
STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
114Z07 (998560)	2, 3, 4	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1534		image not available
this part # used for above listed sizes (for style 1534)						
114Z08 (998561)	6, 8	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1534		image not available
this part # used for above listed sizes (for style 1534)						
14Z96	10, 12	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1534		image not available

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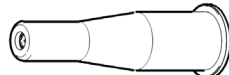
384**OXWELD[®]****OXWELD[®] 1535**

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
1535 (COMPLETE)	28, 31, 47, 52, 60, 80, 100, 120, 140	Propane/ Natural Gas	Hand & Machine Cutting High Speed Cutting	Medium Preheat 2 Piece	3.4" / 86.4mm	

part number for 2-piece tip = STYLE + SIZE + COMPLETE e.g. 1535-28-COMplete

1535	28, 31, 47, 52, 60, 80, 100, 120, 140	Propane/ Natural Gas		INTERNAL ONLY		
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part number for internal only = STYLE + SIZE e.g. 1535-28

14Z38	28 - 52	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1535		
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this part # used for above listed sizes (for style 1535)

14Z39	60 - 80	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1535		
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this part # used for above listed sizes (for style 1535)

14Z77	100	Propane/ Natural Gas		EXTERNAL SLEEVE ONLY for style 1535		
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this part # used for above listed sizes (for style 1535)

EXTERNAL SLEEVES FOR 1535

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
114Z07 (998560)	31 - 52	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1535		image not available

this part # used for above listed sizes (for style 1535)

114Z08 (998561)	60 - 80	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1535		image not available
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this part # used for above listed sizes (for style 1535)

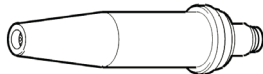
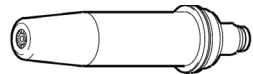
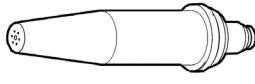
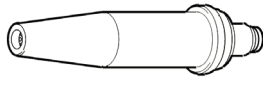
14Z69	100	Fg-2/ Mpp		EXTERNAL SLEEVE ONLY for style 1535		image not available
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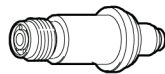
OXY-FUEL

Tip Part Number = Style + Size (e.g. 1515-8)

OXWELD[®]

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH		TIP
O-FH	72, 68, 65, 60, 56, 54, 52, 49, 44	Mapp/Propylene					
O-FS	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp/Propylene	General Purpose	Medium To Heavy 2 Piece Fine Spline	3.3" / 83.8mm		
O-GW	86, 113, 147, 191, 254	Mapp/Propylene	Hand Use For Gouging & Washing	Heavy Preheat 1 Piece	3.7" / 94.0mm		
O-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp/Propylene	General Purpose	Medium Preheat 1 Piece	3.4 / 86.4mm		
1567 (COMPLETE)	1/8, 1/4, 1/2, 3/4, 1, 1 1/2, 2, 2 1/2, 3, 4, 6, 8, 10, 12, 16, 18, 20	Mapp/Propylene		2 - piece			
1567	1/8, 1/4, 1/2, 3/4, 1, 1 1/2, 2, 2 1/2, 3, 4, 6, 8, 10, 12, 16, 18, 20	Mapp/Propylene		INTERNAL ONLY			

OXWELD[®] MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
0-32	1502, 1534, 1505, 1566, 1567	Use standard Oxweld tip nut with this adapter	 

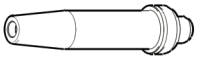
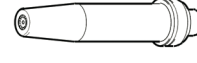
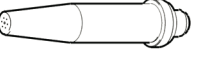
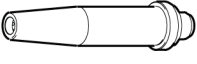
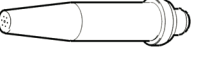
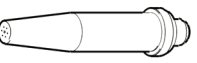
See Multi-Use section for selection of tips for your torch.

OXWELD[®] TIP NUTS

PART #	TORCH STYLE	TIP NUT
33A56	C31 & C32	
37Z23	1808	
33A34	1427	

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PUROX[®]**PUROX[®]***Tip Part Number = Style + Size (e.g. PFS-72)*

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH		TIP
4213-14	2, 3, 4, 5, 7, 9, 10, 11, 12, 13	Propane/ Natural Gas	General Purpose	Medium Preheat 2 Piece Cylindral Oxygen Cutting Bore	2.8"/71.1mm		
P-FS	72, 68, 50, 56, 52, 49, 44, 42, 38	Mapp/ Propylene	General Purpose	Medium To Heavy 1 Piece	2.8"/71.1mm		
P-FSP	72, 68, 60, 56, 52, 49, 44, 42, 38	Mapp/ Propylene	General Purpose	Medium To Heavy 2 Piece	2.8"/71.1mm		
4209	4, 7, 9, 11	Acetylene		Medium Preheat Bent Rivet Tip	2.8" / 71.1mm	image not available	
4206	3, 4, 5, 7	Acetylene		Light Preheat Drag Tip	2.8" / 71.1mm	image not available	
4202	2, 3, 4, 5, 7, 9, 11, 13	Acetylene	Hand cutting attachment general purpose	Medium Preheat 1 Piece	2.9" / 73.7mm		
4203	3, 4, 5, 6, 7, 8, 9, 1, 11, 12, 13	Propane/ Natural Gas	General purpose	Medium Preheat 1 Piece Also Available In 2 Piece For All Sizes	2.9" / 73.7mm		
4208	4, 5, 7, 9, 11			Heavy Preheat 1 Piece	2.9" / 73.7mm		
P-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp/ Propylene	General Purpose	Medium Preheat 1 Piece	2.9" / 73.7mm		
4201	2, 3, 4, 5, 7, 9, 11, 13	Acetylene	General purpose	Light Preheat 1 Piece	2.9" / 73.7mm		
4211	5, 7, 9, 11	Propane/ Natural Gas		Medium Preheat 1 Piece	3.875 / 98.46mm	image not available	
P-FSC	35, 38, 44, 45, 49, 52, 54, 56, 60, 62, 68, 72	Propylene					
4208	4, 5, 7, 9, 11	Propane/ Natural Gas		Heavy Preheat			

OXY-FUEL

PUROX[®] / REXARC[®] (REGO[®])

PUROX[®] MULTI-USE ADAPTERS

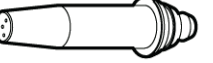
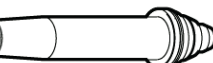
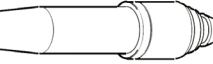
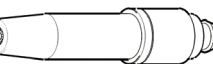
PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
PE-A	L-Tec, 4202, 4203, 4213, 4214	Use standard Purox nut (PE-N) with this adapter	 

PUROX[®] TIP NUTS

PART #	TORCH STYLE	TIP NUT
902	E	
PE-N	Standard Purox	

Tip Part Number = Style + Size (e.g. KX6-18)

REXARC[®] (REGO)

STYLE	SIZES	FUEL	APPLICATION	FEATURES	LENGTH	TIP
KX6	68, 62, 56, 53, 51, 46, 42, 35, 30, 25, 18	Acetylene	General Purpose	Medium Preheat 1 Piece (6 Holes)	3.0" / 76.2mm	 
150A	65, 62, 56, 53	Acetylene	General Purpose	Light Preheat (3 Hole & 4 Hole) 1 Piece	1.6" / 40.7mm	 
150P	65, 62, 56, 53	Propane	General Purpose	Medium Preheat 2 Piece	1.9" / 48.3mm	 
KX-105	68, 62, 56, 53, 51, 46, 42, 35, 30, 25, 18	Propane/ Natural Gas	General Purpose	Medium Preheat 2 Piece	3.3" / 83.8mm	 
KX -205	68, 62, 56, 53, 51, 46, 42, 35, 30, 25, 18	Propane/ Natural Gas	Hand & Machine cutting General purpose	Medium Preheat 2 Piece	2.7" / 68.6mm	 
R-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	Hand & Machine cutting General purpose	Medium Preheat 1 Piece Kx Type	3.0" / 76.2mm	 
R-FS (KXM-105)	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	Hand & Machine cutting General purpose	Medium To Heavy 2 Piece	3.3" / 83.8mm	 

REXARC[®] (REGO) MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
RKX	KX-6, KX-105	Use standard Rego nut (see tip nuts on next page)	 

(continued on next page)

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REXARC® / SAF® / SMITH®

Tip Part Number = Style + Size (e.g. G1-AD-7/10)

REXARC® (REGO) MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
CCL	G1-AD, G1-R, G1-T	Use standard Rego nut (see tip nuts below)	

REXARC® (REGO) TIP NUTS

PART #	TORCH STYLE	TIP NUT
3978-21	KX Old Style	
4278-21	KX New Style	

SAF® EUROPEAN

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
G1-AD	7/10, 10/10, 16/10, 20/10, 25/10, 30/10	Acetylene	Hand Cutting	High preheat 1 piece	3.4" / 86.4mm	
G1-P	7/10, 10/10, 16/10, 20/10, 25/10, 3/8	Propane	Hand Cutting	2 PIECE	3.4" / 86.4M	image not available

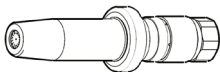
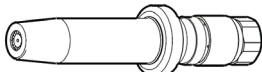
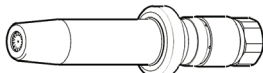
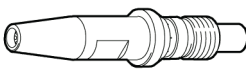
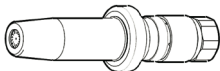
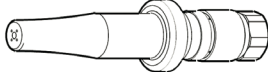
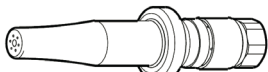
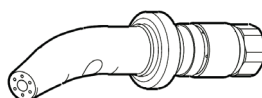
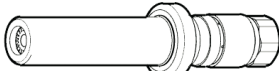
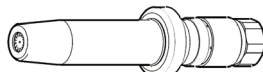
SAF® EUROPEAN MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
SAF		Use standard SAF nut	

OXY-FUEL

Tip Part Number = Style + Size (e.g. MC-90-00)

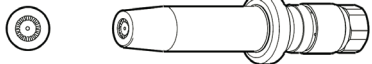
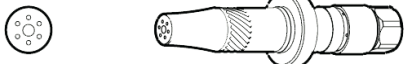
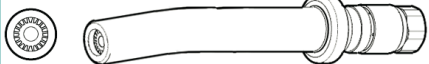
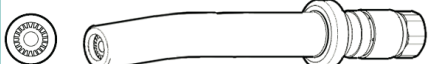
SMITH®

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP	
MC-90	00, 0, 1, 2, 3, 4	Mapp	General Cutting		2.8" / 71 mm		
SC-60	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Propylene	General Purpose - Hand Cutting		2.8" / 71.1mm		
MC 12	00, 0, 1, 2, 3, 4, 5, 6, 7	Acetylene	Hand cutting general purpose cutting 3/16" to 6" plate	Medium Preheat 1 Piece	2.8" / 71.1mm		
SC 21	00, 0, 1, 2, 3, 4, 5, 6	Propane/ Natural Gas	Machine cutting high speed	Medium To Heavy 2 Piece	2.9" / 73.7mm		
LC 46	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	General purpose	Medium Preheat	3.0" / 76.2mm		
MC- P	000, 00, 0 1, 2, 3, 4, 6	Propane/ Propylene			2.9" / 73.7mm		
LC-6	00, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	Hand & Machine	Medium	3.0" / 76.2mm		
SC 10	00, 0, 1, 2, 3, 4, 5, 6, 7,	Acetylene	General purpose 1/4" to 4" plate	Light Preheat 1 Piece	3.6" / 91.4mm		
SC 12	000, 00, 0, 2, 3, 4, 5, 6, 7	Acetylene	General purpose	Medium Preheat 1 Piece	3.6" / 91.4mm		
SC 13	1, 3, 5	Acetylene	Hand us gouging, cutting V grooves remove old welds	Heavy Preheat 1 Piece	3.6" / 91.4mm		
SC 40	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	General purpose	Medium Preheat 2 Piece	3.6" / 91.4mm		
SC 46	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	Hand & machine cutting heavy cutting tip cutting scrap metal	Medium- Heavy Preheat 1 -Piece Recesses Front	3.6" / 91.4mm		
SC 50	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Propane/ Natural Gas	Hand & machine cutting heavy cutting tip for steel up to 20"	Heavy Preheat 2 Piece	3.6" / 91.4mm		

OXY-FUEL

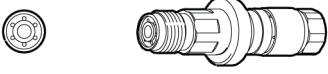
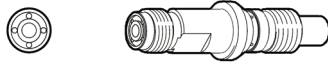
390**SMITH®**

Tip Part Number = Style + Size (e.g. SC-56-00)

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
S-FS	72, 68, 60, 56, 52, 49, 44, 42, 38, 31	Mapp	General purpose	Medium Preheat 2 Piece Fine Spline	3.6" / 91.4mm	
SC-110	not applicable	Acetylene	Heating		3.6 / 91.4mm	
SC-56	00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Acetylene	Heavy Preheat		3.6 / 91.4mm	
SC 90	00, 0, 1, 2, 3, 4, 5, 6	Mapp				
S-FH	42, 44, 46, 48, 49, 52, 54, 56, 60, 65	Mapp				
S-SP	19, 28, 31, 38, 41, 42, 44, 45, 46, 49, 52, 54, 56, 60, 65, 68	Mapp				
SC-140	2, 3	Propane/ Natural Gas	General Cutting			image not available
SC-14	2, 3	Acetylene	Rivet Cutting			image not available
SC-17	000, 0, 2	Acetylene	Single Preheat drag tip plate cutting			image not available
SC-2	2, 4, 6	Propane/ Natural Gas	Bent Tip piece General Gouging			
SC-23	3, 5	Propane	Bent Gouging			

OXY-FUEL

SMITH[®] MULTI-USE ADAPTERS

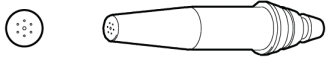
PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
SC	SC12, SC50	Use standard Smith tip nut with this adapter	
SLT	LC-6, LC-P	Use standard Smith tip nut with this adapter	

See Multi-Use section for selection of tips for your torch.

SMITH[®] TIP NUTS

PART #	TORCH STYLE	TIP NUT
G71-A	LC	
SCG900-41A	SC	

TANAKA[®]

PART #	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
3040G		Propane / Natural gas	General Purpose	Medium preheat 1 piece	2.9" / 73.7mm	
3051		Propane / Natural gas	General Purpose	Medium preheat 2 piece	2.9" / 73.7mm	
P-8		Propane / Natural gas	Marking nozzle	2 piece	2.36" / 60mm	image not available
P-10		Propane / Natural gas	Marking nozzle	2 piece	2.36" / 60mm	image not available

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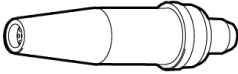
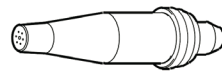
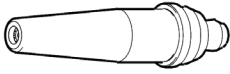
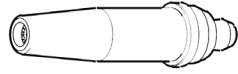
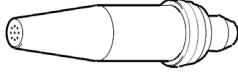
VICTOR[®]

Tip Part Number = Style + Size (e.g. 5-101-00)

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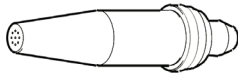
STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS		TIP
5-101	000, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General Purpose	Light To Medium Preheat 1 Piece	1.7" / 43.2mm		
3-101	000, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General Purpose Deseaming, Gouging, Removing Defective Weld & Rivet Washing	Light To Medium Preheat 1 Piece	1.9" / 48.3mm		
3-200	000, 00, 0, 1, 2, 3, 4,	Propane/ Natural Gas	General Purpose	Medium Preheat 1 Piece	1.9" / 48.3mm		
3 - GPN	000, 00, 01, 2, 3, 4, 5, 6	Propane/ Natural Gas	General Purpose	Medium Preheat 2 Piece	1.9" / 48.3mm		
3V-SP (3-303M)	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	General Purpose	Medium Preheat 1 Piece	1.9" / 48.3mm		
3V-FS (3-GPM)	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28, 19	Mapp	General Purpose	Medium Preheat 2 Piece	2.1" / 48.3mm		
3-118	0, 2, 4	Acetylene	Hand Use	Medium Preheat 1 Piece 35 Degree Angle Tip	2.1" / 53.3mm		
3-MTHN	000, 00, 0, 1, 2, 3, 4, 5	Propane/ Natural Gas	Machine Cutting High Speed For Cutting Up To 10" Plate	Medium Preheat 2 Piece	2.1" / 53.3mm		
3-MTHP (3-MTHM)	000, 00, 0, 1, 2, 3, 4, 5	Mapp	Machine Cutting High Speed Up To 10"	Heavy Preheat 2 Piece	2.1" / 53.3mm		
3V-G1 (3-318M)	2, 4-8 Hole, 6, 8-10 hole	Mapp	Hand Use Gouging, Deseaming, Rivet Cutting, Removing Defective Metal/Welds	Medium Preheat 1 Piece 1 Piece Chrome Plated	2.2" / 55.9mm		
2V-G1 (1-318M, 1-318MP)	0, 1, 2, 4, 6, 8, 10, 12	Mapp	Hand Use Gouging, Deseaming, Rivet Cutting, Removing Defective Welds	Medium Preheat 1 Piece 35 Degree Angle Tip	2.3" / 58.4mm		
2V-SF	72, 68, 60, 56, 52, 49, 44, 4, 2, 38, 31	Mapp	General Purpose	Medium Preheat 2 Piece	2.4" / 61.0mm		

OXY-FUEL

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP	
GPM	000, 0, 1, 2, 3, 4, 5, 6, 8, 10, 12	Mapp	General Purpose	Medium Preheat 2 Piece	2.4" / 61.0mm		
HPP (HPM)	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12	Mapp	Hand Use Heavy Shell For Scrap Bevel Heavy Preheat Requirements	Heavy Preheat 2 Piece	2.4" / 61.0mm		
1-100	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene	Hand & Machine Cutting Clean Plate & General Purpose	Light Preheat 1 Piece	2.5" / 63.5mm		
1-101	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Acetylene	General Purpose	Medium Preheat 1 Piece	2.5" / 63.5mm		
2-210N	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12	Propane/ Natural Gas	Hand & Machine Cutting Scrap Cutting General Purpose	Medium Preheat 2 Piece	2.5" / 63.5mm		
2-210N (GPN)	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12	Propane/ Natural Gas	General Purpose	Medium Preheat 2 Piece	2.5" / 63.5mm		
1-200	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Propane/ Natural Gas	Hand & Machine Cutting General Purpose	Medium To Heavy Preheat 1 Piece	2.5" / 63.5mm		
GPN	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12	Propane/ Natural Gas	General Purpose Cutting	Medium Preheat 2 Piece	2.5" / 63.5mm		
HPN	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12	Propane/ Natural Gas	Hand Use For Scarp, Bevel And Heavy Preheat Uses	Heavy Preheat 2 Piece	2.5" / 63.5mm		
2V-SP	72, 68, 60, 56, 52, 49, 44, 42, 38, 31, 28	Mapp	General Purpose	Medium Preheat 1 Piece	2.5" / 63.5mm		
MTHP (MTM)	00, 0, 1, 2, 5, 6, 7	Mapp	Machine Cutting High Speed Up To 10 "	Heavy Preheat 2 Piece	2.5" / 63.5mm		
MTHN	00, 0, 1, 2, 3, 4, 5, 6, 7	Propane/ Natural Gas	Machine Cutting High Speed	Heavy Preheat 2 Piece	2.5" 63.5mm		

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Tip Part Number = Style + Size (e.g. 1-118-2)

STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP	
MTHM	00, 0, 1, 2, 3, 4, 5, 6, 7, 8	Mapp	Machine Cutting High Speed Up To 10 "	Medium To Heavy Preheat 2 Piece	2.5" 63.5mm		
1-118	0, 2, 4, 6, 8, 10, 12	Acetylene	Hand Use Gouging, De-seaming, Scarfing, Weld Preparation, Rivet Washing	Medium Preheat	2.7" / 68.6mm		
1-303M	000, 0, 1, 2, 3, 4, 5, 6, 7, 8	Mapp	General Purpose	Medium Preheat 1 Piece			
1-101L	000, 00, 0, 1, 2, 3, 4, 5, 6	Acetylene	General Purpose 10" Long		10"	image not available	
1-108	0, 1, 2, 3, 4	Acetylene	Pipe Cutting			image not available	
1-110	00, 0, 1, 2, 3	Acetylene	Drag			image not available	
1-111	00, 0, 1, 2, 3, 4	Acetylene	Trimmers & Rivet			image not available	
1-112	0, 1, 2, 3, 4	Acetylene	Bent Trimming & Rivet			image not available	
1-118	0, 2, 4, 6, 8, 10, 12	Acetylene	Bent Gouging				
1-218N	2, 4, 6, 8, 10, 12	Propane/ Natural Gas	Bent Gouging				
1-303MP	00, 0, 1, 2, 3, 4, 5, 6, 8	Mapp/Propane	General Purpose				
2-285N	190, 250, 312, 375, 437	Propane/ Natural Gas				image not available	

OXY-FUEL

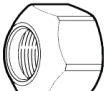
STYLE	SIZES	FUEL	APPLICATIONS	FEATURES	DIMENSIONS	TIP
VBN	3, 4, 5, 6, 8, 10, 12	Propane/ Natural Gas/ Propylene	Scrap Cutting	2 Piece		
2V-FH	42, 46, 49, 50, 53, 54, 64, 65, 67, 71	Mapp	Machine Cutting			
2V-FS	19, 20, 25, 31, 38, 42, 44, 48, 49, 62, 64, 65, 68, 72	Mapp	General Purpose	2 Piece		
3-GPP	000, 00, 0, 1, 2, 3, 4, 5, 6	Mapp	General Purpose	2 Piece		
GPML	00, 0, 1, 2, 3, 4	Propylene	General Purpose			image not available
GPP	000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10	Mapp	General Purpose 10 Inch Long			

VICTOR® MULTI-USE ADAPTERS

PART #	TORCH STYLE	ADAPTER NUT	ADAPTER
C14	CA-1350 Cutting Attachment 3-101 Series		
V40	CA-2460 Cutting Attachment 3-101 Series	Use standard Victor tip nut with this adapter	

See Multi-Use section for selection of tips for your torch.

VICTOR® TIP NUTS

PART #	TORCH STYLE	TIP NUT
0309-0003	CA-1350 Cutting Attachment 3-101 Series	
0309-0018	CA-2460 Cutting Attachment 1-101 Series	
C-14-N	For use with Multi-Use Adapter 100 Series	

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AMERICAN TORCH TIP ATTC®
WH-315 & WH-100 Welding Handles by American Torch Tip

Oxy-Fuel

SPECS	Victor Style WH-315 (Heavy Duty) WH-100 (Medium Duty)	Welding Nozzle W (Heavy Duty) W-1 (Medium Duty)	Gas Type Acetylene	Heating Nozzles MFA, MFM (Heavy Duty) MFA-1 (Medium Duty)
Fits Cutting Attachments CA-2460-D (Heavy Duty) CA-1350-D (Medium Duty) <td>Tip Series 1-101, 3-101, GPP, 3-GPP, SPN, 3-GPN</td> <td>Fuel Gas Propylene Natural Gas / Propane</td> <td></td> <td></td>	Tip Series 1-101, 3-101, GPP, 3-GPP, SPN, 3-GPN	Fuel Gas Propylene Natural Gas / Propane		

Durable
Forged and extruded brass components

Tube Within Tube
Double walled construction

Use Any Fuel Gas
You'll get high performance with all fuel gas types by simply selecting the proper tip for your selected fuel gas.

100% Tested
All American Torch Tip Gas Apparatus is 100% leak and/or flashback tested.

Check valves and flashback arrestors are available separately.

Check Valve CV-O, CV-F

Flashback Arrestors TFBA-O, TFBA-F

AMERICAN TORCH TIP ATTC®
VHSTB Welding, Cutting & Brazing Outfits by American Torch Tip

OXY-FUEL

SPECS	Type Heavy Duty Tool Box Complete Kit	Cutting Range up to 8" (204 mm)	Gas Type Acetylene	Mixer Type ProMix™
Regulators 400 Series	Welding up to 3/8" (9 mm)	Fuel Gas Propylene Natural Gas / Propane	Head Angle 90 degrees	
	Tip Series 1-101			

Super Tough
Brass & stainless steel construction with forged and extruded brass for durability.

Use Any Fuel Gas
You'll get high performance with all fuel gas types by simply selecting the proper tip for your selected fuel gas.

Durable ProMix™
Proven design and precision machined parts insure maximum performance and long lasting heat and flashback resistance.

Lower Consumables Cost
Multi-Use™ quick change tips save up to 60% in consumables cost.

Less Down Time
Increase your efficiency and productivity by spending less time on consumables replacement and repair with longer lasting American Torch Tip equipment.

100% Tested
All American Torch Tip products and ProMix™ mixers are 100% leak and/or flashback tested.

Also Available
CGA 300, VSR-461-510 all fuel gas regulator, "T" grade hose

Universal Multi-Use Adapter

Interchangeable Multi-Use Tips For Every Purpose

ATTC® Multi-Use Tip System
Gives you the ability to transform your torch into a multi-use tool for cutting or heating applications. Save money when you replace your standard tips with multi-use.

Outfit Includes:
 Series 400 Regulators
 WH-315 Welding Handle w/ accessory check valves
 CA-2460-D Cutting attachment
 W-2 welding nozzle - size 2
 Multi-use tip system
 V-40 Adaptor with M6-1 cutting tip end
 20 ft - 1/4" R grade twin hose
 Goggles, Striker, tip cleaner set, Tool box

Part Number	Welding Nozzles	Cutting Tip 1-101	Oxy Regulator	Acetylene Regulator	Torch Mount Safety Accessories	Gas Service
VHSTB-510	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-510	Check Valves CV-O, CV-F	Acetylene
VHSTB-510F	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-510	Flash Back Arrestor TFBA-O and TFBA-F	Acetylene
VHSTB-300	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-300	Check Valves CV-O, CV-F	Acetylene
VHSTB-300F	W-2	V-40 Adaptor M6-1 Tip End	VSR-450-540	VSR-460-300	Flash Back Arrestor TFBA-O and TFBA-F	Acetylene

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AMERICAN TORCH TIP ATTC®

MAH-BPO-CRY-004

Oxy-Fuel Instruction Manual
 Setup and operation safety instructions for cutting, heating, welding and brazing equipment

Read operating instructions before use.

Complete Welding & Cutting Outfit

Hose Connection

Hose Connection	Gas Service	Weight Pounds	Length Inches
9/16" - 18	All	0.785 lb	7 11/16"
9/16" - 18	All	0.972" lb	9"
9/16" - 18	All	1.093" lb	9 7/16"

Hose Connection

Hose Connection	Gas Service	Weight Pounds	Length
9/16" - 18	All	1.318" lb	8 5/8"
9/16" - 18	All	1.506" lb	9 15/16"
9/16" - 18	All	1.61" lb	10 3/8"

103116
MAH-BPO-CRY-002

OXY-FUEL

AMERICAN TORCH TIP ATTC®

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