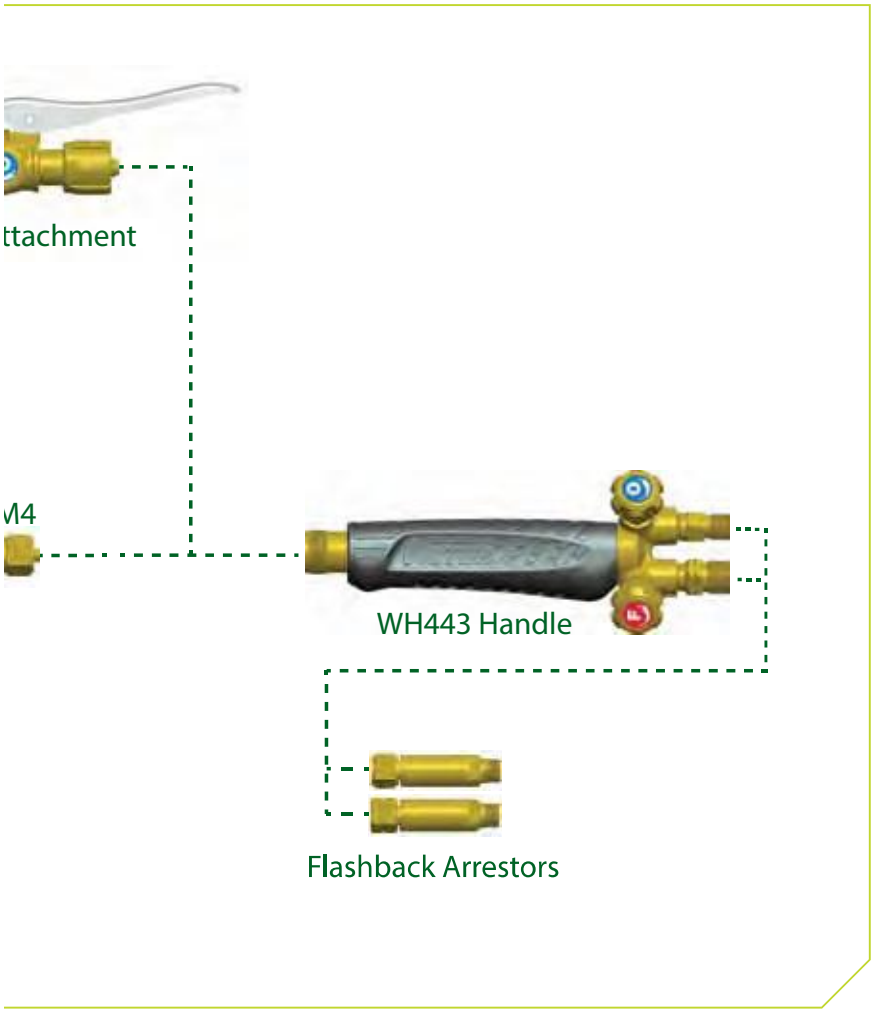
Nozzle Mix Cutting & Welding System

The 400 Series torch system is designed to provide maximum flexibility, offering a cutting attachment to accept nozzle mix consumables along with a universal heating and welding system.



Torches - Nozzle Mix

Product Features and Benefits

- In-line stainless tubes for better visibility and reduced profile vs triangular

Cutting Attachments, Shanks & Straight Cutters

DESIGN/CONSTRUCTION

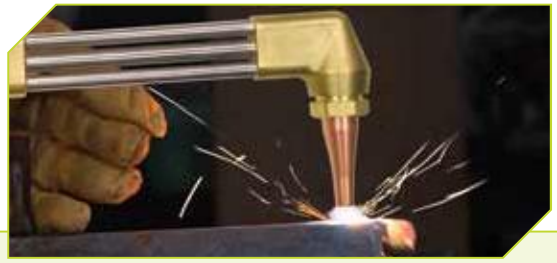
- Forged brass body
- Stainless steel tubes and lever
- Stainless steel valves for longevity
- High strength zinc-aluminium shank grip
- Double O-ring gives quick gas tight seal without wrench
- Meets ISO 5172

Part No.	Description	Gas Type	Length	Head Angle	Inlet Connection	Cut Capacity	List Price £
0381-1955	CA444 NM Style Cutting Attachment	All	10" 254mm	90⁰	N/A	8" 200mm	**70.00**
0382-0353	WH443 NM Style Welding Handle	All	8.75" 222mm	N/A	3/8"	8" 200mm	**70.00**
0381-1988	ST 443 NM Cutting Torch	All	21" 533mm	90⁰	3/8"	12" 300mm	**65.00**
0381-1993	ST 443L NM Cutting Torch (Locking Lever)	All	21" 533mm	90⁰	3/8"	12" 300mm	**70.00**
0381-1997	ST 443 NM Cutting Torch	All	27" 686mm	90⁰	3/8"	12" 300mm	**85.00**
0382-4000	Lightweight Handle With Mixer	All	6" 150mm	N/A	1/4"	2" 50mm	**70.00**

Patent # D672,378

Consumables - Nozzle Mix

Product Features and Benefits



- High quality nozzles for hand cutting applications.
- One and two piece designs optimised for the gas type.

Type		Fuel Gas	Application
ANME		Acetylene	General purpose hand cutting (Extended length)
PNME		Propane	General purpose hand cutting (Extended length)
AGNM		Acetylene	Deseaming, scarfing, gouging, weld preparation, removing defective welds, rivet washing
ANM		Acetylene	General purpose hand cutting
PNM		Propane	General purpose hand cutting

ANME One Piece Acetylene Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
6700C1040	ANME-0	1/32	3-6mm	2.1	0.29	**5.00**
6700C1041	ANME-1	3/64	6-10mm	2.8	0.34	**5.00**
6700C1044	ANME-4	1/16	50-65mm	3.4	0.41	**5.00**
6700C1045	ANME-5	5/64	65-100mm	4.1	0.54	**5.00**
6700C1046	ANME-6	3/32	100-150mm	4.4	0.68	**5.00**
6700C1048	ANME-8	1/8	200-250mm	4.8	0.68	**5.00**

PNME Two Piece Propane Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Propane	List Price £
6700C1187	PNME-0	1/32	3-6mm	2.1	0.29	**5.00**
6700C1188	PNME-1	3/64	6-10mm	2.8	0.34	**5.00**
6700C1191	PNME-4	1/16	50-65mm	3.4	0.41	**5.00**
6700C1192	PNME-5	5/64	65-100mm	4.1	0.54	**5.00**
6700C1193	PNME-6	3/32	100-150mm	4.4	0.68	**5.00**
6700C1195	PNME-8	1/8	200-250mm	4.8	0.68	**5.00**

AGNM One Piece Gouging Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
6700C1083	AGNM-1	1	3-6mm	2.4	.34 - 1.02	**17.50**
6700C1084	AGNM-2	2	5-9mm	3.4	.34 - 1.02	**17.50**
6700C1085	AGNM-4	4	6-13mm	3.4	.34 - 1.02	**17.50**

Consumables - Nozzle Mix

Product Features and Benefits

Victor Cutting Nozzles

ANM One Piece Acetylene Nozzle

Part Number	Model No.	Tip Size	Material Thickness	Pressure (bar) Oxygen	Pressure (bar) Acetylene	List Price £
6700C1060	ANM-0	1/32	3-6mm	2.1	0.29	**4.00**
6700C1061	ANM-1	3/64	6-10mm	2.8	0.34	**4.00**
6700C1064	ANM-4	1/16	50-65mm	3.4	0.41	**4.00**
6700C1065	ANM-5	5/64	65-100mm	4.1	0.54	**4.00**
6700C1066	ANM-6	3/32	100-150mm	4.4	0.68	**4.00**
6700C1068	ANM-8	1/8	200-250mm	4.8	0.68	**4.00**

PNM Two Piece propane Nozzle

Part Number	Model No.	Tip Size	Material Thickness	Pressure (bar) Oxygen	Pressure (bar) Propane	List Price £
6700C1120	PNM-0	1/32	3-6mm	2.1	0.29	**4.00**
6700C1121	PNM-1	3/64	6-10mm	2.8	0.34	**4.00**
6700C1124	PNM-4	1/16	50-65mm	3.4	0.41	**4.00**
6700C1125	PNM-5	5/64	65-100mm	4.1	0.54	**4.00**
6700C1126	PNM-6	3/32	100-150mm	4.4	0.68	**4.00**
6700C1128	PNM-8	1/8	200-250mm	4.8	0.68	**4.00**

Victor Welding Nozzles

NOZZLES ARE SWAGED AND 100% FLAME TESTED FOR SUPERIOR PERFORMANCE

One piece copper nozzle for use with UM1-A mixer

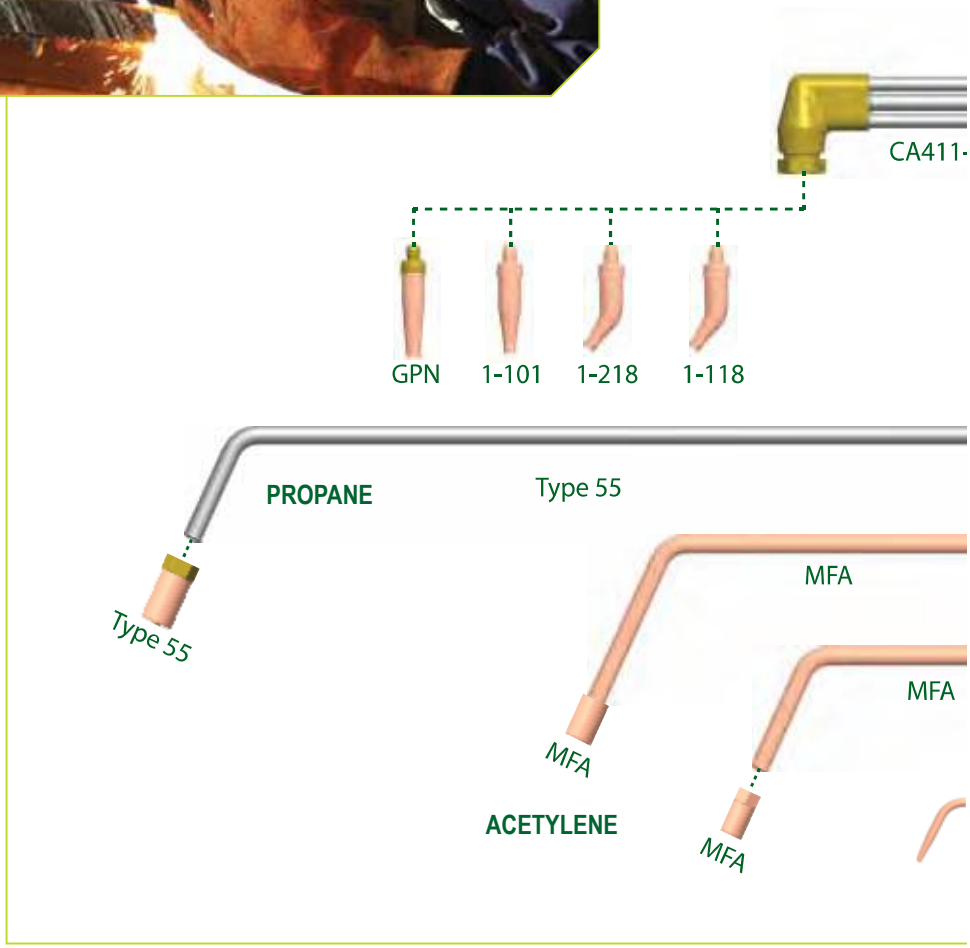
Part Number	Description	UK Size	Material Thickness	Gas Type	List Price £
0311-1058	000 Welding Nozzle	1	.8 mm	Acetylene	**5.03**
0311-1059	00 Welding Nozzle	2	1.2 mm	Acetylene	**5.03**
0311-1060	0 Welding Nozzle	3	1.9 mm	Acetylene	**5.03**
0311-1061	1 Welding Nozzle	5	2.4 mm	Acetylene	**5.03**
0311-1062	2 Welding Nozzle	7	3.2 mm	Acetylene	**5.03**
0311-1063	3 Welding Nozzle	13	4.8 mm	Acetylene	**5.03**
0311-1064	4 Welding Nozzle	18	6.4 mm	Acetylene	**5.03**

Part Number	Description	Length	Compatible With	Fuel Gas Usage	List Price £
0328-0025	Welding Mixer UM4	3" / 76mm	WH443 Handle	Oxy Acetylene	**17.50**
0328-4000	Lightweight Welding Mixer	2.75" / 70mm	Lightweight Handle	Oxy Acetylene	**17.50**

Lightweight Welding Nozzles

One piece copper nozzle for use with lightweight handle

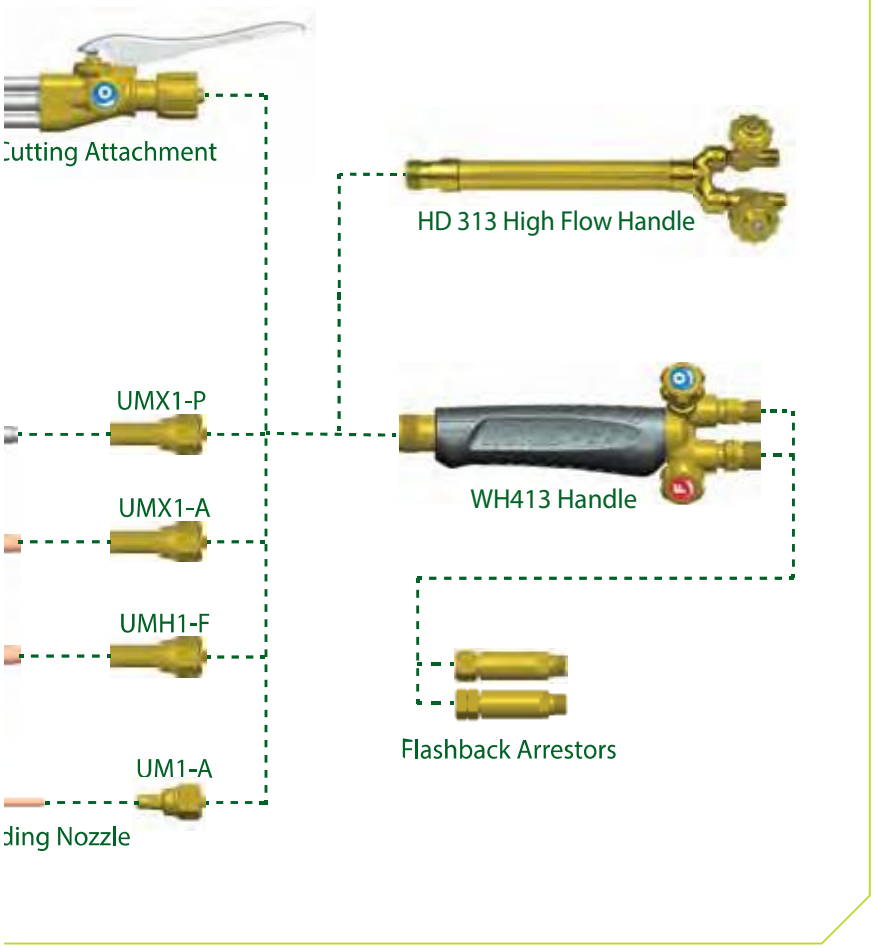
Part Number	Description	List Price £
0311-4000	Lightweight Nozzle Size 1	**4.88**
0311-4001	Lightweight Nozzle Size 2	**4.88**
0311-4002	Lightweight Nozzle Size 3	**4.88**
0311-4003	Lightweight Nozzle Size 5	**4.88**
0311-4004	Lightweight Nozzle Size 7	**4.88**
0311-4005	Lightweight Nozzle Size 10	**4.88**
0311-4006	Lightweight Nozzle Size 13	**4.88**
0311-4007	Lightweight Nozzle Size 18	**4.88**
0311-4008	Lightweight Nozzle Size 25	**4.88**


CA411-
GPN
1-101
1-218
1-118
PROPANE
Type 55
Type 55
MFA
MFA
MFA
ACETYLENE
MFA

400 Series

High Performance Cutting & Welding System

The 400 Series torch system brings to Europe for the first time the high performance Victor consumable range for the highest level of confidence in cutting, welding and heating applications.



Torches - High Performance

Product Features and Benefits

- Non-slip shank is ergonomic and comfortable, easing stress on the hand.
- Knobs are contoured and spaced further apart for easy adjustment and colour coded with increase/decrease labels.
- In-line stainless tubes for better visibility and reduced profile vs triangular design.

Cutting Attachments, Shanks & Straight Cutters

DESIGN/CONSTRUCTION

- Forged brass body
- Stainless steel tubes and lever
- Stainless steel valves for longevity
- High strength zinc-aluminium shank grip
- Double O-ring gives quick gas tight seal without wrench
- Meets ISO 5172

CA411

WH413

HD 313
HIGH FLOW HANDLE

Ideal for super heating applications. Works with:
Type 55 heating nozzles
MFA heating nozzles

ST413 90

Part No.	Description	List Price £
0307-0062	Locking Lever Kit	**22.00**

Part No.	Description	Gas Type	Length	Head Angle	Inlet Connection	Cut Capacity	List Price £
	Combination Torches						
0381-1921	CA411-1B Victor Cutting Attachment	All	254mm	90⁰	N/A	200mm	**70.00**
0382-0354	WH413 Victor Handle	All	222mm	N/A	3/8,3/8	200mm	**70.00**
0382-0026	HD 313 High Flow Handle	All	279mm	N/A	3/8,3/8	200mm	**85.00**
	Hand Cutting Torches						
0381-1996	ST413-1A 90	All	533mm	90⁰	3/8,3/8	300mm	**65.00**

Patent # D672,378

IT IS RECOMMENDED TO USE CHECK VALVES AND FLASHBACK ARRESTORS TO REDUCE RISK

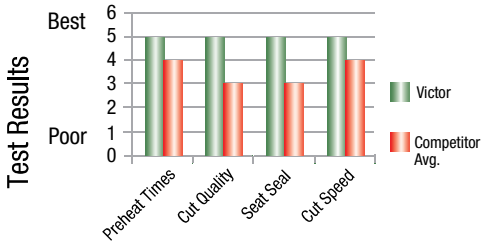
Consumables - High Performance

Product Features and Benefits

- High quality nozzles for hand cutting applications.
- One and two piece designs optimised for the gas type.
- All nozzles 100% flame tested - All nozzles swaged rather than drilled.

Type		Fuel Gas	Application
101		Acetylene	General purpose hand cutting
GPN		Propane	General purpose hand cutting
118		Acetylene	Deseaming, scarfing, gouging, weld preparation, removing defective welds, rivet washing
218		Propane	Deseaming, scarfing, gouging, weld preparation, removing defective welds, rivet washing

Acetylene Nozzle



Victor Nozzles out perform the competition

High Performance Cutting Nozzles

Type 101 One Piece Acetylene Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
0330-0003	000-1-101	000	3mm	1.55	0.28	**12.00**
0330-0004	00-1-101	00	6mm	1.55	0.28	**12.00**
0330-0012	0-1-101	0	13mm	2.07	0.28	**12.00**
0330-0005	1-1-101	1	20mm	2.24	0.28	**12.00**
0330-0006	2-1-101	2	38mm	2.93	0.34	**12.00**
0330-0002	3-1-101	3	50mm	3.10	0.45	**12.00**
0330-0007	4-1-101	4	75mm	3.10	0.55	**12.00**
0330-0008	5-1-101	5	100mm	3.45	0.62	**12.00**
0330-0009	6-1-101	6*	150mm	3.45	0.69	**12.00**
0330-0013	7-1-101	7*	250mm	3.45	0.86	**12.00**
0330-0014	8-1-101	8*	300mm	3.45	0.86	**12.00**

Type GPN Two Piece Propane Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Fuel	List Price £
0333-0300	000-GPN	000	3mm	1.55	0.28	**13.00**
0333-0301	00-GPN	00	6mm	1.55	0.28	**13.00**
0333-0302	0-GPN	0	13mm	2.07	0.28	**13.00**
0333-0303	1-GPN	1	20mm	2.24	0.28	**13.00**
0333-0304	2-GPN	2	38mm	2.76	0.34	**13.00**
0333-0305	3-GPN	3	63mm	3.10	0.45	**13.00**
0333-0306	4-GPN	4	75mm	3.27	0.55	**13.00**
0333-0307	5-GPN	5	127mm	3.45	0.62	**13.00**
0333-0308	6-GPN	6*	203mm	3.79	0.69	**13.00**
0333-0309	7-GPN	7*	250mm	4.13	0.86	**13.00**
0333-0310	8-GPN	8*	300mm	4.48	0.86	**13.00**

* For best results use high capacity torch (HC1100) and 10mm hose

Type 118 One Piece Acetylene Nozzle

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
0330-0109	0-1-118	0	13mm	2.07	0.28	**15.00**
0330-0113	2-1-118	2	38mm	2.76	0.34	**15.00**
0330-0114	4-1-118	4	75mm	3.10	0.52	**15.00**
0330-0115	6-1-118	6	203mm	3.45	0.72	**40.00**
0330-0116	8-1-118	8	300mm	3.45	0.86	**40.00**

Type 218 One Piece Propane Nozzle

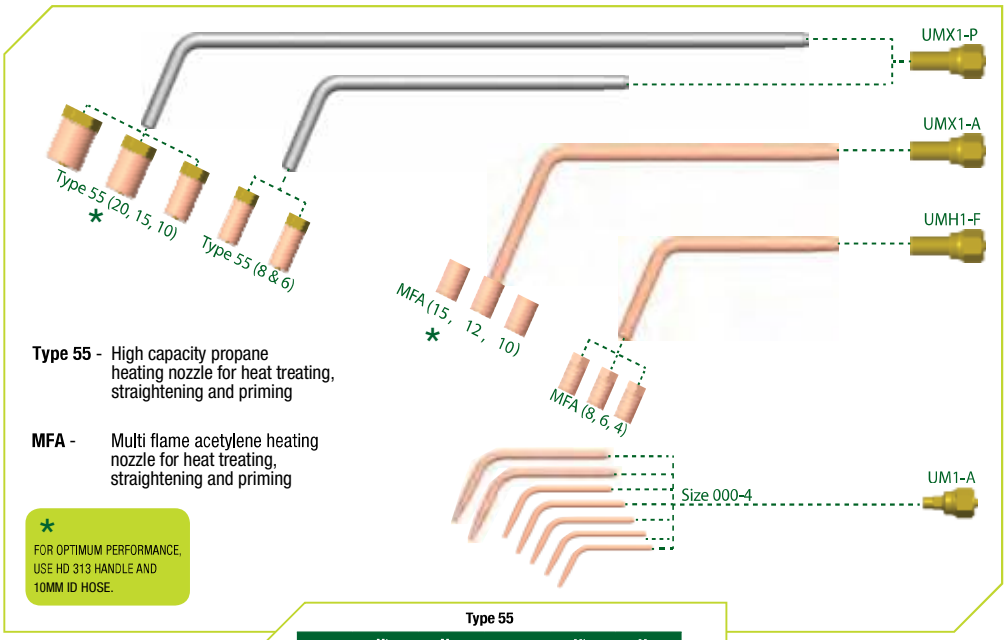
Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Fuel	List Price £
0330-0178	4-218	4	75mm	3.10	0.52	**37.50**
0330-0179	6-218	6	203mm	3.79	0.62	**40.00**
0330-0183	8-218	8	250mm	4.48	0.83	**45.00**
0330-0184	10-218	10	300mm	3.45	0.90	**45.00**

Consumables - High Performance

High Performance Heating & Welding Nozzle Guide

Designed for demanding heating applications



Type 55 - High capacity propane heating nozzle for heat treating, straightening and priming

MFA - Multi flame acetylene heating nozzle for heat treating, straightening and priming

* FOR OPTIMUM PERFORMANCE, USE HD 313 HANDLE AND 10MM ID HOSE.

Type 55

PROPANE

Size	Min Flow LPH	Max Flow LPH	BTU Rate	Min Total BTU	Max Total BTU
6	1820	1820	2498	162,370	162,370
8	2380	2380	2498	212,330	212,330
10	4200	5600	2498	374,700	499,600
15	7000	9800	2498	624,500	874,300
20	11200	14000	2498	999,200	1,249,000

LPH - Litres per hour

MFA

ACETYLENE

Size	Min Flow LPH	Max Flow LPH	BTU Rate	Min Total BTU	Max Total BTU
4	168	560	1470	8,820	29,400
6	392	1120	1470	20,580	58,800
8	840	2240	1470	44,100	117,600
10	1120	2800	1470	58,800	147,000
12	1680	4200	1470	88,200	220,500
15	2520	6160	1470	132,300	323,400

High Performance Heating & Welding Nozzles

	Complete Nozzle Assemblies			Heating Tips & Elbows			Elbows Only		
	Part No.	Description	List Price £	Part No.	Description	List Price £	Part No.	Description	List Price £
ACETYLENE	0323-0250	MFA Size 4	**34.51**	0311-0536	MFA Heat Tip-4	**25.75**	0304-0081	4,6,8 MFA elbow	**22.66**
	0323-0251	MFA Size 6	**34.51**	0311-0537	MFA Heat Tip-6	**25.75**			
	0323-0252	MFA Size 8	**34.51**	0311-0538	MFA Heat Tip-8	**30.90**			
	0323-0260	MFA Size 10	**51.50**	0311-0539	MFA Heat Tip and Elbow Ass'y-10	**34.51**	N/A	Not sold separately	
	0323-0261	MFA Size 12	**51.50**	0311-0540	MFA Heat Tip and Elbow Ass'y-12	**36.05**			
	0323-0262	MFA Size 15	**51.50**	0311-0541	MFAHeat Tip and Elbow Ass'y-15	**36.05**			
PROPANE	0323-0327	Type 55 Size 6 11"	**56.65**	0311-0240	Type 55 Heat Tip 6	**30.90**			
	0323-0328	Type 55 Size 8 11"	**56.65**	0311-0241	Type 55 Heat Tip 8	**30.90**	For any Size Type 55		
	0323-0324	Type 55 Size 10 11"	**77.25**	0311-0230	Type 55 Heat Tip 10	**34.51**	0304-0022	14" Elbow Type 55	**25.75**
	0323-0325	Type 55 Size 15 28"	**82.40**	0311-0231	Type 55 Heat Tip 15	**38.63**	0304-0095	16" Straight Type 55	**28.84**
	0323-0326	Type 55 Size 20 28"	**90.00**	0311-0232	Type 55 Heat Tip 20	**38.63**	0304-0011	26" Elbow Type 55	**36.05**

Complete Nozzle Assemblies

Part No.	Description	List Price £
0323-0110	000-W Welding Nozzle	**21.48**
0323-0111	00-W Welding Nozzle	**21.48**
0323-0112	0-W Welding Nozzle	**21.48**
0323-0120	1-W Welding Nozzle	**21.48**
0323-0121	2-W Welding Nozzle	**21.48**
0323-0122	3-W Welding Nozzle	**21.48**
0323-0130	4-W Welding Nozzle	**21.48**
0323-0131	5-W Welding Nozzle	**30.90**
0323-0132	6-W Welding Nozzle	**30.90**
0323-0140	7-W Welding Nozzle	**38.63**
0323-0141	8-W Welding Nozzle	**38.63**
0323-0142	10-W Welding Nozzle	**38.63**

Mixers

Part No.	Description	List Price £
0328-0011	UM1-A mixer for 000-4 elbows	**15.45**
0328-0012	UMX1-P mixer for Type 55	**27.81**
0328-0027	UMX1-A mixer for MFA 10,12,15	**28.84**
0328-0028	UMH1-F mixer for MFA 4,6,8	**19.57**

One piece copper nozzle for use with UM1-A mixer

Welding Elbows

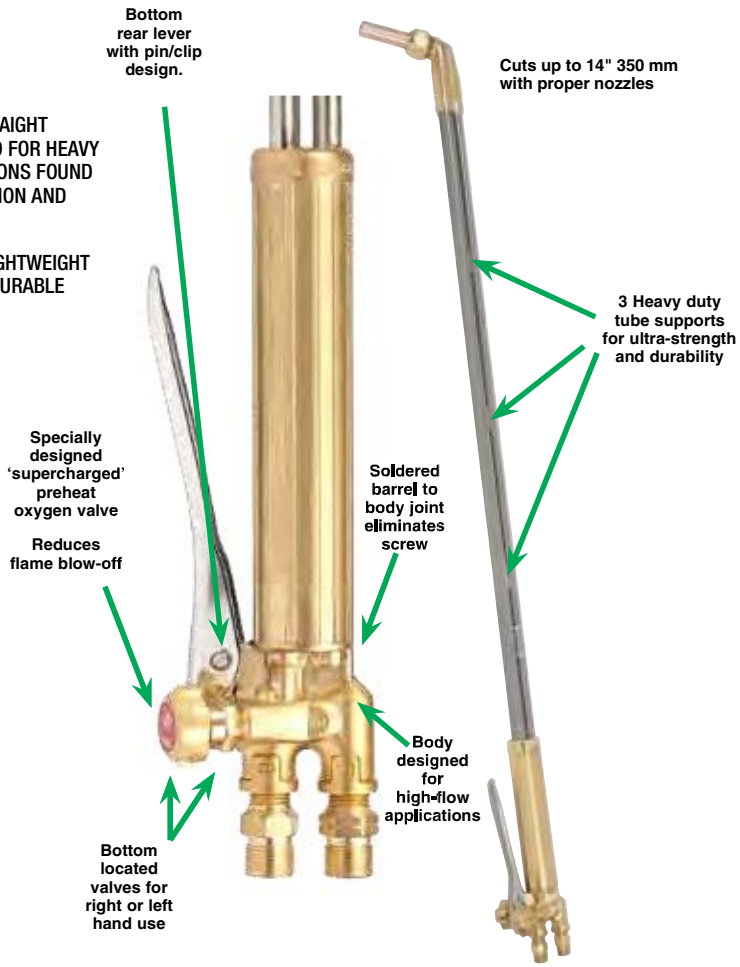
Part No.	Description	Material Thickness	Gas Type	List Price £
0311-1058	000 Welding Elbow	.8 mm	Acetylene	**5.03**
0311-1059	00 Welding Elbow	1.2 mm	Acetylene	**5.03**
0311-1060	0 Welding Elbow	1.9 mm	Acetylene	**5.03**
0311-1061	1 Welding Elbow	2.4 mm	Acetylene	**5.03**
0311-1062	2 Welding Elbow	3.2 mm	Acetylene	**5.03**
0311-1063	3 Welding Elbow	4.8 mm	Acetylene	**5.03**
0311-1064	4 Welding Elbow	6.4 mm	Acetylene	**5.03**

Heavy Industry Torches

Product Features and Benefits

HIGH CAPACITY STRAIGHT TORCHES DESIGNED FOR HEAVY CUTTING APPLICATIONS FOUND IN SCRAP, DEMOLITION AND FOUNDRIES

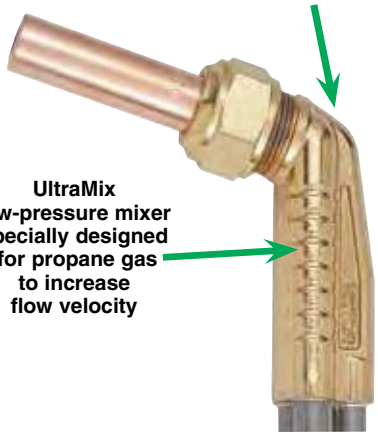
DESIGNED TO BE LIGHTWEIGHT BUT STRONG AND DURABLE



Heavy Industry Straight Cutting Torches

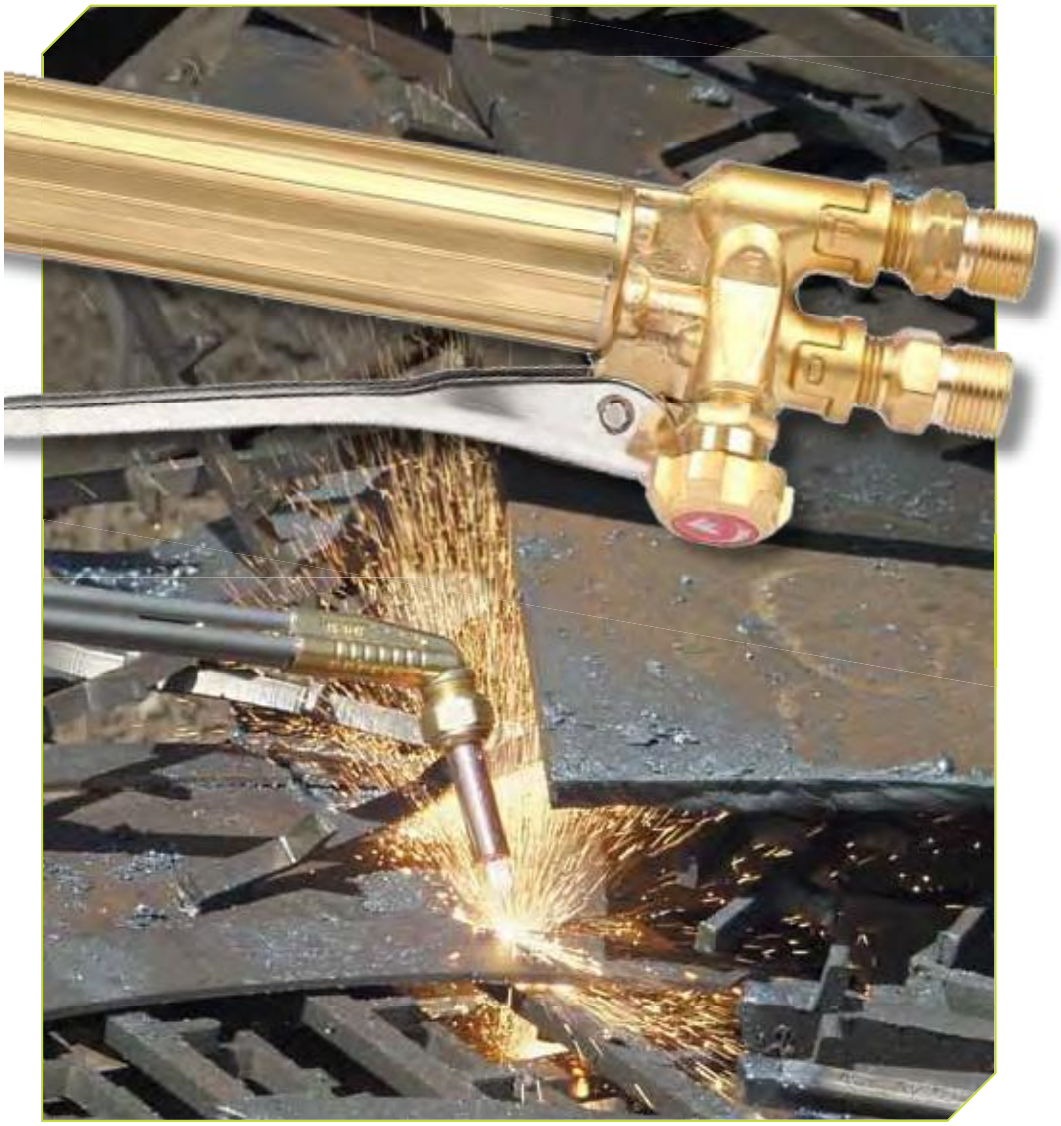
SCRAP STRAIGHT CUTTING TORCH

With Bulldog Torches, superior performance and productivity are assured. The low profile head and lightweight design, strength and durability puts the Bulldog in a class of it's own. Meets ISO 5172



Part No.	Model Number	Head Angle	Gas Type	Inlet Connection	Length	List Price £
0381-2015	HC 1131	75⁰	Propane	3/8, 3/8	36" 914mm	**212.50**
0381-2016	HC 1151	75⁰	Propane	3/8, 3/8	48" 1219mm	**412.50**
0381-2017	HC 1161	75⁰	Propane	3/8, 3/8	60" 1524mm	**500.00**
0381-2018	HC1100	90⁰	Propane	3/8, 3/8	21" 533mm	**187.50**
0381-2019	HC1102	180⁰	Propane	3/8, 3/8	21" 533mm	**220.00**

Heavy Industry Torches



Heavy Industry Consumables & Accessories

Victor Bulldog Cutting Nozzles For Use With Propane And Natural Gas

		Metal Thickness		Cutting Oxygen Pressure		Preheat Oxygen	Fuel Pressure		List
Part No.	Model No.	in	mm	BAR	LPM	LPM	BAR	LPM	Price £
6700C0710	VBN-3	2.5	63.5	2.7-3.4	70-94	11-66	.4-.8	6-30	**12.50**
6700C0711	VBN-4	3	76.2	2.7-3.4	99-118	11-66	.4-.8	6-30	**12.50**
6700C0712	VBN-5	5	127.0	3.1-3.8	141-170	11-66	.4-.8	6-30	**12.50**
6700C0713	VBN-6	8	203.2	3.8-4.5	212-236	11-66	.4-.8	6-30	**12.50**
6700C0715	VBN-8	10	254.0	4.1-4.8	354-401	21-113	.7-1.2	10-52	**12.50**
6700C0716	VBN-10	12	304.8	3.1-3.8	472-566	21-113	.7-1.2	10-52	**12.50**
6700C0717	VBN-12	14	355.6	3.1-3.8	542-637	21-113	.7-1.2	10-52	**12.50**

Replacement Nozzle Nut: 0309-0018 - List price £4.36

For best performance, use the following recommended equipment:

Regulators - Oxygen: EDGE™ ESS3
Fuel: EDGE™ ESS3

Hoses - Oxygen: (10mm) I.D. with (3/8") connections
Fuel: (10mm) I.D. with (3/8") connections

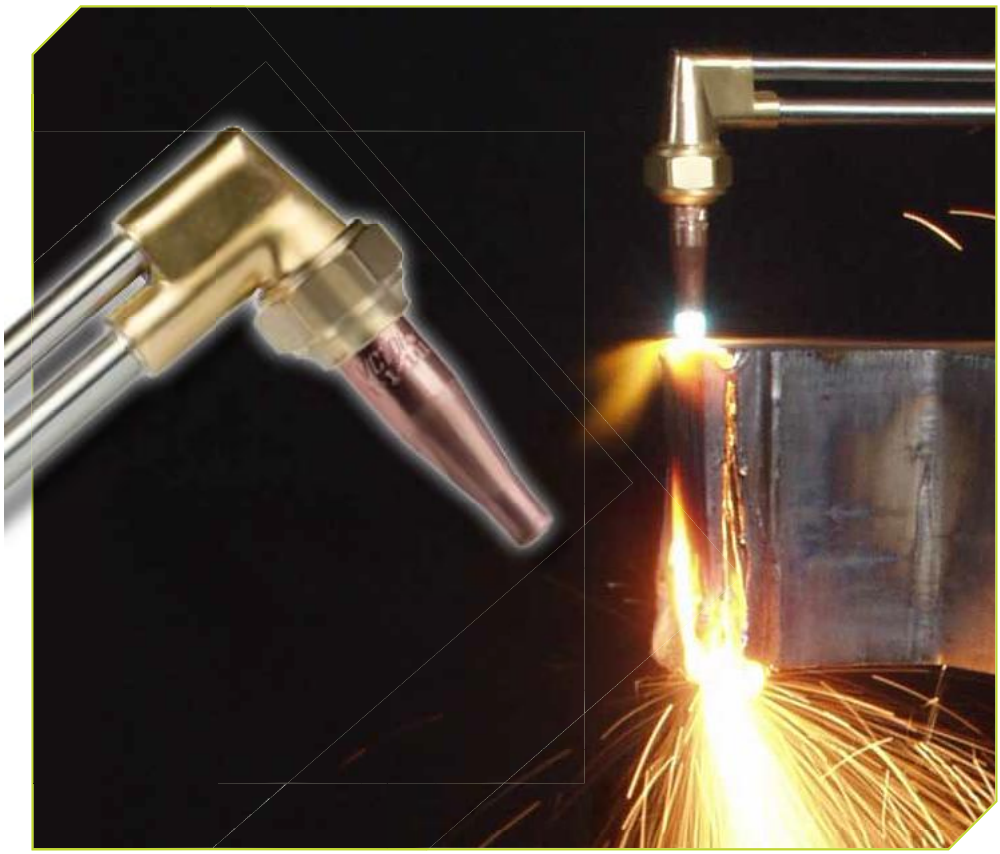
Flashback Arrestors - Oxygen: Part No. 0140 FBHC-0R-B High Flow
Fuel: Part No. 0136 FBR-F-B D97

Size 10 and above nozzles require high flow regulator HF14 or HF35 (see page 11)

Heavy Industry Torches

Product Features and Benefits

- Universal mixer for use with any fuel gas.
- Cutting capacity up to 450 mm.
- Uses Victor Series 1 High Performance Nozzles.



HC1200 Series Torch

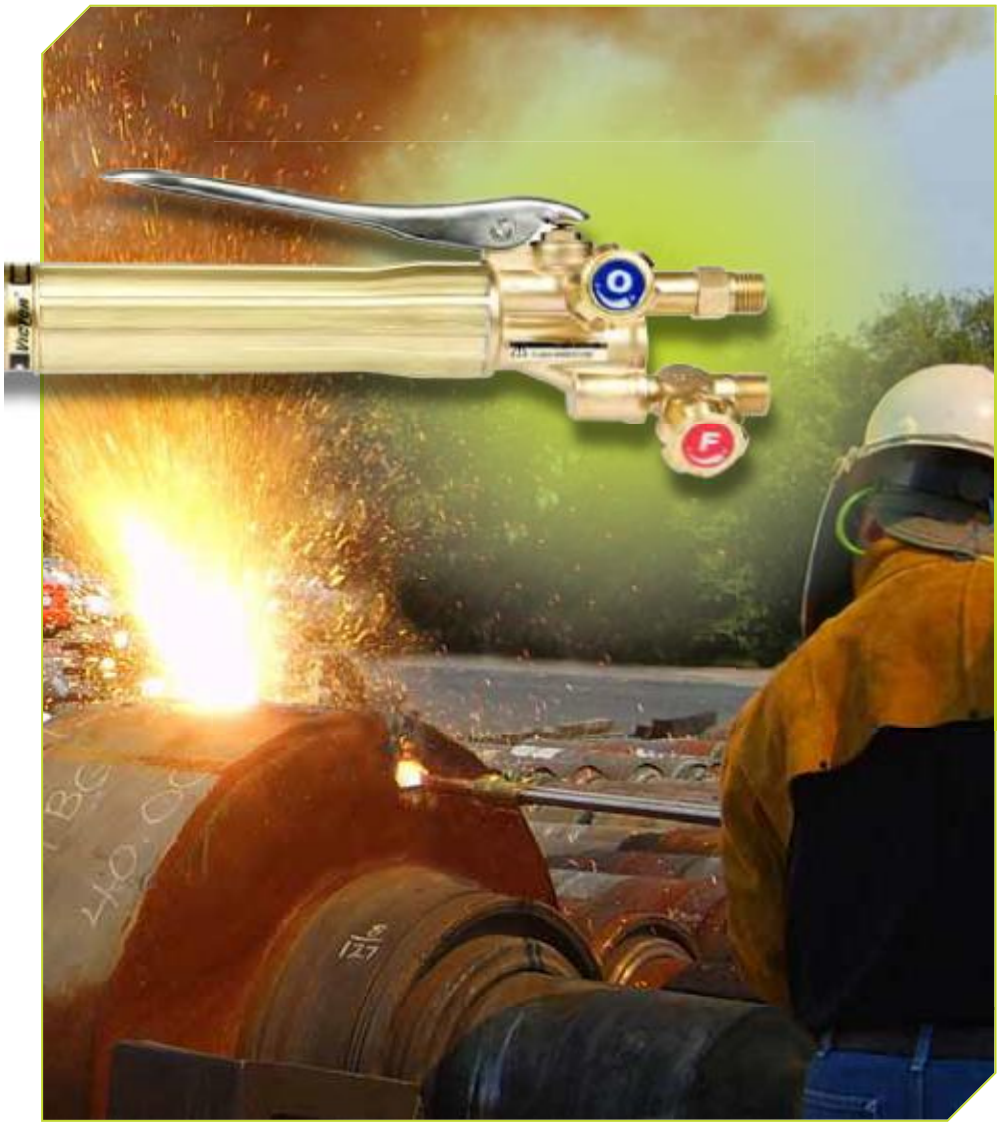
A HIGH CAPACITY, HEAVY DUTY CUTTING TORCH DESIGNED FOR A WIDE VARIETY OF HEAVY INDUSTRIAL APPLICATIONS

- **Durable forged brass head**
- **Stainless steel cutting lever for durability and comfort**
- **Smooth cutting oxygen valve provides precise flow control**
- **Meets ISO 5172**

Part No.	Model Number	Head Angle	Gas Type	Inlet Connection	Length	List Price £
0381-1442	HC1213-1A	90	All	3/8	533mm	**250.00**
0381-1443	HC1213-2A	75	All	3/8	533mm	**250.00**
0381-1444	HC1213-3A	180	All	3/8	533mm	**300.00**

It is always recommended to use add on flashback arrestors with adequate flow capacity.
For best performance use 10 mm I.D. hose.

Heavy Industry Torches



HC1200 Series Cutting Nozzles

Acetylene General Purpose Nozzles

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
0330-0009	6-1-101	6*	150mm	3.45	0.69	**12.00**
0330-0013	7-1-101	7*	250mm	3.45	0.86	**12.00**
0330-0014	8-1-101	8*	300mm	3.45	0.86	**12.00**

Propane General Purpose Nozzles

Pressure (bar)

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Propane	List Price £
0333-0308	6-GPN	6*	203mm	3.79	0.69	**13.00**
0333-0309	7-GPN	7*	250mm	4.13	0.86	**13.00**
0333-0310	8-GPN	8*	300mm	4.48	0.86	**13.00**

Nozzles for deseaming, scarfing, gouging, weld preparation, rivet washing

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Acetylene	List Price £
0330-0114	4-1-118	4	75mm	3.10	0.52	**15.00**
0330-0115	6-1-118	6	203mm	3.45	0.72	**40.00**
0330-0116	8-1-118	8	300mm	3.45	0.86	**40.00**

Nozzles for deseaming, scarfing, gouging, weld preparation, rivet washing

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Propane	List Price £
0330-0178	4-218	4	75mm	3.10	0.52	**37.50**
0330-0179	6-218	6	203mm	3.79	0.62	**40.00**
0330-0183	8-218	8	250mm	4.48	0.83	**45.00**
0330-0184	10-218	10	300mm	3.45	0.90	**45.00**

Tips for mill, foundry and scrap cutting under severe conditions, use 0309-0025 tip nut - £18.03

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Propane	List Price £
0330-0504	6-HDN	6	203mm	4.13	0.69	**38.63**
0330-0505	8-HDN	8	304mm	4.48	0.83	**38.63**
0330-0506	10-HDN	10	355mm	4.13	0.90	**38.63**
0330-0507	12-HDN	12	406mm	3.45	1.03	**38.63**
0330-0508	14-HDN	14	457mm	3.45	1.03	**38.63**

Heavy preheat tips for scrap and bevel cutting

Part Number	Model No.	Tip Size	Material Thickness	Oxygen	Propane	List Price £
0333-0328	6-HPN	6	203mm	4.13	0.69	**21.48**
0333-0330	8-HPN	8	254mm	4.48	0.83	**21.48**
0333-0331	10-HPN	10	304mm	3.45	0.90	**21.48**
0333-0332	12-HPN	12	355mm	3.45	1.03	**21.48**