

400 Series

WH 411C Torch Handle

Heavy Duty



- Accepts CA411-3 & CA411-1 Cutting Attachments, W Series Welding Tips and MFA/MFN/Type55 Heating Assemblies
- 5 Year Warranty

SPECIAL DESIGNED ALLOY MATERIAL:

- 3x the tensile strength of Brass
- Ergonomic, textured, precision contoured handle is designed to reduce operator fatigue and provide better grip
- Durable to withstand tough use and prevention of dents and scratches

INTUITIVE KNOBS:

- Color coded
- Clearly marked lettering with increase/decrease label
- Understandable in any language

Part No.	Model No.	Hose Connection	Gas	Weight	Length
0382-0355	WH 411C	"B" 9/16"-18 (CGA 022 & 023)	All		

CA 411-1 Cutting Attachment

Heavy Duty



(for use with all fuel gases)

CA 411-3 Cutting Attachment

Medium Duty



(for use with all fuel gases with appropriate tip)

Performance matched for each torch handle series.

- Efficient Universal Spiral Head Mixer
- 1 Cutting Attachment for All Fuel Gases
- Redesigned inlet nut increases grip for Hand Tightening
- Inline stainless tubes for better visibility
- Improved Stainless Lever provides increased comfort and reduced operator hand fatigue
- 5 Year Warranty

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-1940	CA411-1	6" (152.4 mm)	1	90°
0381-1939	CA411-3	5" (127.0 mm)	3	90°

Heavy and medium duty cutting attachments for use with acetylene, propane, butane, liquid air fuel gas, natural gas (2 PSI & above) and propylene. Cutting attachment accepts all Victor Style Tips.

300 Series

HD 310C Torch Handle

Victor® Heavy Industry

Built tough to withstand rugged job site conditions. Threaded assembly permits economical repair if service is necessary. The HD 310C has "B" hose connections with built-in reverse flow check valves for added safety.

The HD 310C is compatible with high capacity heating nozzles and all Victor 300 Series equipment.



WELDING & CUTTING EQUIPMENT:

- MFA & MFN heating nozzles
- Type 55 high capacity heating nozzles
- CA 2460 cutting attachment
- W Series welding nozzles

WARNING: Use flashback arrestors

Although built to Victor's quality and safety standards, due to the flow capacity requirements, flashback arrestors are not manufactured into this Victor heavy industry torch handle.

To reduce the risk of personal injury, death and/or property damage, use sufficient capacity flashback arrestors with all Victor heavy industry torch products

Part No.	Model No.	Hose Connection	Gas	Weight	Length
0382-0015	HD 310C	"B" 9/16"-18 (CGA 022 & 023)	All	28 oz	11" (279.4 mm)

For best performance, use the following recommended equipment:

Flashback Arrestors

Part No.	Model	Type
Oxygen: (Select one of the following)		
0657-0010	*FB-0	Torch Mount
0657-0014	FB-OR	Regulator Mount
Fuel: (Select one of the following)		
0657-0011	*FB-F	Torch Mount
0657-0015	FB-FR	Regulator Mount
Pair Packs		
0656-0001	*FB-1	Oxy/Fuel Torch Mount
0656-0004	FBR-1	Oxy/Fuel Regulator Mount

*Torch mount models also protect the hose

Handles & Attachments

300 SERIES

300 Series H 315FC Torch Handle

Extra Heavy Duty



315FC Torch Handle

Heavy Duty



VICTOR® TORCH HANDLES ARE AVAILABLE WITH VANGUARD™ SAFETY FEATURES:

- Built-in flashback arrestors – no need for accessory flash arrestors
- Built-in reverse flow check valves – no need for accessory check valves
- Works with all fuel gases. There are pressure restrictions for different gases

VanGuard torch handles are offered in extra heavy duty (H 315FC), heavy duty (315FC) and medium duty (100FC) models, and available in Victor's most popular system models. VanGuard torch handles also feature Victor traditional threaded assemblies for economical repair if service is necessary.

Part No.	Model No.	Description	Hose Connection	Gas	Weight	Length
0382-0316	H 315FC	High Flow Torch Handle	9/16"-18	All	20 oz	9" (228.6 mm)
0382-0034	315FC	"VanGuard" Heavy Duty	9/16"-18	All	18 oz	9" (228.6 mm)
0387-0008	315FC	"VanGuard" Heavy Duty (Clamshell)	9/16"-18	All	18 oz	9" (228.6 mm)

320 Torch Extension



Part No.	Description	Hose Connection	Gas	Weight	Length
0382-0019	320 Torch Extension	9/16"-18	All	16 oz	12" (304.9 mm)

300 Series CA 2460 Cutting Attachment

Heavy Duty



(for use with all fuel gases with appropriate tip)

Performance matched for each torch handle series

- Forged brass head
- Spiral mixer blends oxygen & fuel
- Smooth cutting valve (push type)
- Stainless steel tubes
- Brass coupling nut & double "O" ring tapered seal gives quick gas-tight seal without a tightening wrench
- Length 10.5" (266.7 mm)
- Weight 32 oz (0.91 kg)

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-0816	CA 2460	8" (203.2 mm)	1	90°
0387-0000	CA 2460 CS	8" (203.2 mm)	1	90°
0381-0817	CA 2461	8" (203.2 mm)	1	75°
0381-0818	CA 2462	8" (203.2 mm)	1	180°
0381-0823	CA 2470	7" (177.8 mm)	3	90°

CS = Clamshell Package

Change the Tip, Not the Torch

ONE TORCH ALL FUELS

Switching from oxy-acetylene to oxy-propylene or other alternative gases requires changing the gas regulator and torch tips. A T-grade hose should be used with alternate fuels. Victor torches can easily accommodate any industrial fuel gas



HANDLES & ATTACHMENTS

100 Series

100FC Torch Handle

Medium Duty

Victor® torch handles cover the full range of welding, cutting and heating needs. Performance matched cutting attachments are available for each torch handle series. VanGuard™ handles include built-in flashback arrestors and reverse flow check valves.



VICTOR TORCH HANDLES ARE AVAILABLE WITH VANGUARD SAFETY FEATURES:

- Built-in flashback arrestors - no need for accessory flash arrestors
- Built-in reverse flow check valves - no need for accessory check valves
- Works with all fuel gases (pressure restrictions for different gases)

VanGuard torch handles are offered in extra heavy duty (H 315FC), heavy duty (315FC) and medium duty (100FC) models, and available in Victor's most popular system models. VanGuard torch handles also feature Victor traditional threaded assemblies for economical repair if service is necessary.

Part No.	Model No.	Description	Hose Connection	Gas	Weight	Length
0382-0032	100FC	"VanGuard" Medium Duty	9/16"-18	All	14 oz	8.5" (215.9 mm)
0387-0011	100FC	"VanGuard" Medium Duty (Clamshell)	9/16"-18	All	14 oz	8.5" (215.9 mm)

CA 1350 Cutting Attachment

Medium Duty



(for use with all fuel gases with appropriate tip)

Performance matched for each torch handle series.

- Forged brass head
- Spiral mixer blends oxygen & fuel
- Smooth cutting valve (pull type)
- Stainless steel tubes
- Brass coupling nut & double "O" ring seal gives quick gas-tight seal tightening with out wrench
- Length 8" (203.2 mm)
- Weight 13 oz (0.37 kg)

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-0418	CA 1350	6" (152.4 mm)	3	90°
0387-0005	CA 1350 CS	6" (152.4 mm)	3	90°
0381-0420	CA 1351	6" (152.4 mm)	3	75°
0381-0421	CA 1352	6" (152.4 mm)	3	180°

CS = Clamshell Package

J Series

J-28 & J-40 Torch Handles

Light Duty

Victor torch handles cover the full range of welding, cutting and heating needs. Choose from patented standard models. Performance matched cutting attachments are available for each torch handle series.



Part No.	Model No.	Description	Hose Connection	Gas	Weight	Length
0382-0006	J-40	Standard Light Duty	"A" Hose CGA 021/022	All	5.5 oz	3.75" (95.3 mm)
0382-0127	J-28	Light Duty	"A" Hose CGA 021/022	All	8.5 oz	6" (152.4 mm)

J-40 handle does not have check valves or flashback arrestors included
J-28 handle includes accessory reverse flow check valves for regulator use

CA 1260 Cutting Attachment

Light Duty



(for use with all fuel gases with appropriate tip)

Performance matched for each torch handle series.

- Forged brass head
- Spiral mixer blends oxygen & fuel
- Smooth cutting valve (pull type)
- Stainless steel tubes
- Brass coupling nut & double "O" ring seal gives quick gas-tight seal tightening without wrench
- Length 8" (203.2 mm)
- Weight 13 oz (0.37 kg)

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-0162	CA 1260	3" (76.2 mm)	3	90°
0387-0003	CA 1260 CS	3" (76.2 mm)	3	90°

CS = Clamshell Package

Welding & Heating Nozzles/Tips

GENERAL INFORMATION

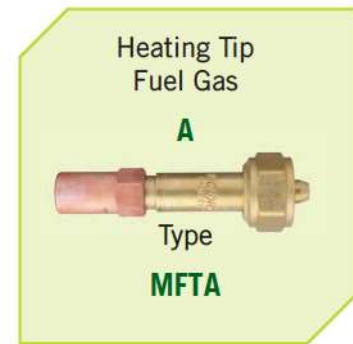
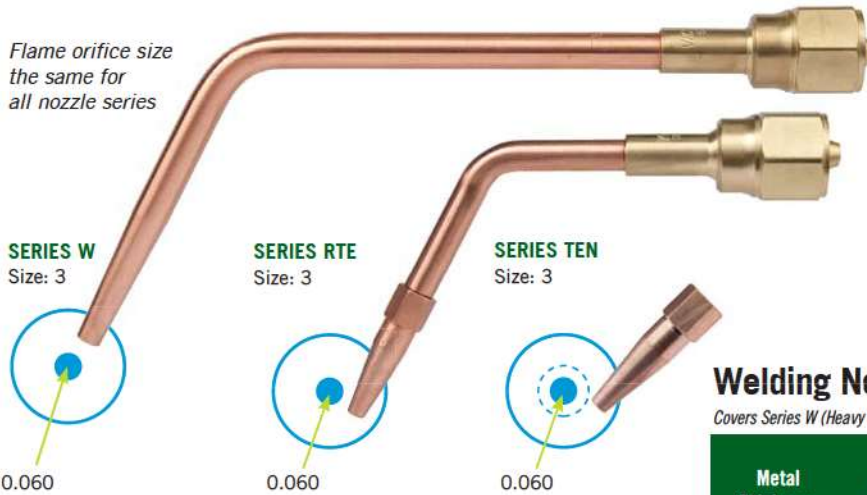
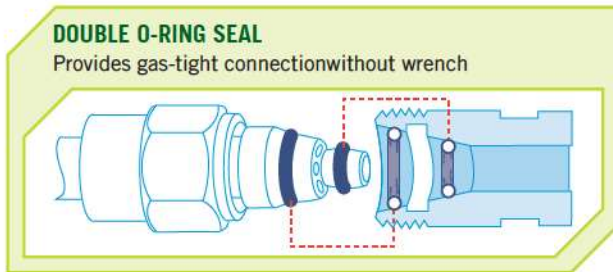


Exclusive "OPTIMIZED" nozzles with a large choice of types and sizes, plus uniformity of tip orifice and size for all series

VICTOR OFFERS A COMPLETE RANGE OF NOZZLES, tips and elbows with a size for every application including: welding, brazing, heating, descaling, hard facing, flame priming, etc.

NOZZLES DESIGNED FOR "OPTIMUM" PERFORMANCE
Each complete nozzle has its own built-in spiral mixer, individually designed for each tip size and flame characteristic. Each nozzle is individually swaged to insure proper alignment for uniform flame, sizing and free-flow contour.

ORIFICE SIZES ARE COMMON FOR ALL SERIES
Regardless of nozzle series (W, W-1, W-J), flame characteristic or fuel gas used. The uniformity of orifice sizes simplifies nozzle selection, eliminates chances of ordering and wrong size when changing from one type of nozzle to another.



Welding Nozzle Operational Data/Acetylene

Covers Series W (Heavy Duty), W-1 (Medium Duty) And W-J (Light Duty) Series

Operational & Performance Data					
Metal Thickness	Tip Size	Drill Size	Oxygen (psig)	Acetylene (psig)	Acetylene (Scfh)
1/32" (0.8 mm)	000	75 (0.022)	3/5	3/5	1/2
3/64" (1.2 mm)	00	70 (0.028)	3/5	3/5	1.5/3
5/64" (1.9 mm)	0	65 (0.035)	3/5	3/5	2/4
3/32" (2.4 mm)	1	60 (0.040)	3/5	3/5	3/6
1/8" (3.2 mm)	2	56 (0.046)	3/5	3/5	5/10
3/16" (4.8 mm)	3	53 (0.060)	4/7	3/6	8/18
1/4" (6.4 mm)	4	49 (0.073)	5/10	4/7	10/25
1/2" (12.7 mm)	5	43 (0.089)	6/12	5/8	15/35
3/4" (19.0 mm)	6	36 (0.106)	7/14	6/9	25/45
1 1/4" (32.0 mm)	7	30 (0.128)	8/16	8/10	30/60
2" (51.0 mm)	8	29 (0.136)	10/19	9/12	35/75
3" (76.2 mm)	10	27 (0.144)	12/24	12/15	50/100

WARNING: At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/7 of the cylinder contents per hour. If additional flow capacity is required use an acetylene manifold system of sufficient size to supply the necessary volume.

Oxygen consumption (SCFH) is 1.1 times the acetylene under neutral flame conditions.

Oxy-Acetylene & Oxy-Hydrogen				
Application	Torch Series	Nozzle Type	Available Sizes	Illustration
General purpose welding & heating. Uses replaceable tip ends. Flame characteristic – Long cone	315FC H 315FC	RTE	000-6, 8, 10	
General purpose welding and preheating. Swaged one-piece copper elbow. Flame characteristic – Long cone	315FC 100FC J-28 J-40	W W-1 W-J	000-8, 10 000-7 000-4	

NOZZLES