

Journeyman Heavy Duty

*This heavy duty outfit cuts up to 3/4" (19.1mm) or 8" (203.2mm) with optional tips.
It welds up to 1/2" (12.7mm) or 3" (76.2mm) with optional nozzles.*

- >> ESS4 Series regulators
- >> H 315FC torch handle with built-in flashback arrestors and check valves
- >> CA 2460 cutting attachment
- >> Cutting tip (See chart)
- >> Heating nozzle (See chart)
- >> Welding nozzles (See chart)
- >> T-grade hose 20' x 1/4" (5.1mx6.4mm)
- >> Striker and tip cleaner
- >> Soft-sided shade 5 goggles
- >> 5-Year Warranty



Gas Service	Part No.	Welding Nozzle	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2035	1,3,5-W	1-1-101	8-MFA	ESS4-125-540	ESS4-15-300
	0384-2036	1,3,5-W	1-1-101	8-MFA	ESS4-125-540	ESS4-15-510
British Fuel	0385-0530	1,3,5-W	1-1-101	8-MFA	ESS4-125-992	ESS4-15-993

Journeyman II Heavy Duty

*This heavy duty outfit cuts up to 3/4"(19.1mm) or 8"(203.2mm) with optional tips.
It welds up to 1/8"(3.2mm) or 3"(76.2mm) with optional nozzles.*

- >> ESS4 Series regulators
- >> 315FC torch handle with built-in flashback arrestors and check valves
- >> CA 2460 cutting attachment
- >> Cutting tip (See chart)
- >> Heating nozzle (See chart)
- >> Welding nozzles (See chart)
- >> T-grade hose 20' x 1/4"(5.1mx6.4mm)
- >> Striker and tip cleaner
- >> Soft-sided shade 5 goggles
- >> 5-Year Warranty



Gas Service	Part No.	Welding Nozzle	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2040	2-W	1-1-101	-	ESS4-125-540	ESS4-15-300
	0384-2041	2-W	1-1-101	-	ESS4-125-540	ESS4-15-510
British Fuel	0385-0531	2-W	1-1-101	-	ESS4-125-992	ESS4-15-993
Propane Natural gas	0384-2042	-	1-1-GPN	8T55	ESS4-125-540	ESS4-125-510LP
Propylene	0384-2043	-	1-1-GPP	8T55	ESS4-125-540	ESS4-125-510-LP

Performer Medium Duty

*This Medium duty outfit cuts up to 1/2"(12.7mm) or 6"(152.4mm) with optional tips.
It welds up to 1/4"(6.4mm) or 1.25"(31.8mm) with optional nozzles.*

- >> ESS3 Series regulators
- >> 100FC torch handle with built-in flashback arrestors and check valves
- >> CA 1350 cutting attachment
- >> Cutting tip (See chart)
- >> Heating nozzle (See chart)
- >> Welding nozzles (See chart)
- >> T-grade hose 12.5' x 3/16"(3.8mx4.8mm)
- >> Striker and tip cleaner
- >> Soft-sided shade 5 goggles
- >> 5-Year Warranty



Gas Service	Part No.	Welding Nozzle	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2046	0-W-1	0-3-101	6-MFA-1	ESS3-125-540	ESS3-15-300
	0384-2045	0-W-1	0-3-101	6-MFA-1	ESS3-125-540	ESS3-15-510
Propane Natural gas	0384-2047	—	0-3-GPN	6T55-1	ESS3-125-540	ESS3-40-510LP
Propylene	0384-2048	—	0-3-GPP	6T55-1	ESS3-125-540	ESS3-40-510-LP

Journeyman Select Heavy Duty

This Heavy duty outfit cuts up to 8"(203.2mm) and welds up to 3"(76.2mm) with accessories

- >> ESS4 Series regulators
- >> 315FC torch handle with built-in flashback arrestors and check valves
- >> CA 2460 cutting attachment
- >> Available with 75° or 90° head angle
- >> 5-Year Warranty



Gas Service	Part No.	Cutting Attachment	Head Angle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2070	CA 2460	90°	ESS4-125-540	ESS4-15-300
	0384-2068	CA 2460	90°	ESS4-125-540	ESS4-15-510
	0384-2069	CA 2461	75°	ESS4-125-540	ESS4-15-510
British Fuel	0385-2071	CA 2460	90°	ESS4-125-992	ESS4-15-993
Oxygen	0384-2073	CA 2460	90°	ESS4-125-540	-
	0384-2074	CA 2460	90°	ESS4-125-992	-
Propane Natural gas Propylene	0384-2075	CA 2460	90°	ESS4-125-540	ESS4-125-510LP

➔ **0384-2073 and 0384-2074 supplied with 2 oxygen regulators**

Outfits

Cutter Select ST 2600FC

Heavy Duty

This Heavy duty outfit cuts up to 8"(203.2mm) with accessories

- >> ESS4 Series regulators
- >> ST 2600FC cutting torch with built-in flashback arrestors and check valves
- >> Available with 90° head angle
- >> 5-Year Warranty



Gas Service	Part No.	Torch	Head Angle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2061	ST 2600FC 21"	90°	ESS4-125-540	ESS4-15-300
	0384-2060	ST 2600FC 21"	90°	ESS4-125-540	ESS4-15-510
Propane Natural gas Propylene	0384-2062	ST 2600FC 21"	90°	ESS4-125-540	ESS4-125-510LP

Cutter Select ST 900FC

Heavy Duty

This Heavy duty outfit cuts up to 5"(127mm) with accessories

- >> ESS3 or CSR350 Series regulators
- >> ST 900FC cutting torch with built-in flashback arrestors and check valves
- >> Available with 90° head angle
- >> 5-Year Warranty



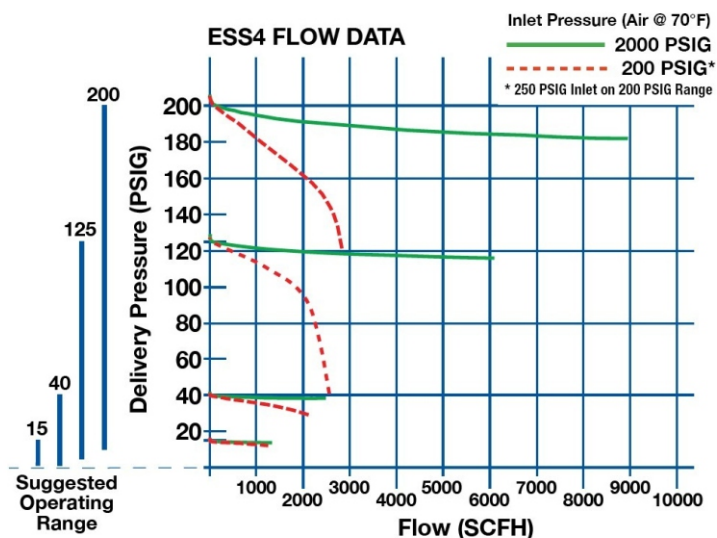
Gas Service	Part No.	Torch	Head Angle	Oxygen Regulator	Fuel Gas Regulator
Acetylene	0384-2675	ST 900FC 21"	90°	ESS3-125-540	ESS3-15-300
	0384-2676	ST 900FC 21"	90°	ESS3-125-540	ESS3-15-510
	0384-0854	ST 900FC 21"	90°	CSR 350D-540	CSR 360A-300
	0384-0853	ST 900FC 21"	90°	CSR 350D-540	CSR 360A-510
Propane Natural gas Propylene	0384-0857	ST 900FC 21"	90°	CSR 350D-540	CSR 361B-510

ESS4

High Capacity

Design/Construction

- >> Forged brass body
- >> Zinc-Aluminum housing cap
- >> High Impact ABS gauge guard
- >> 1.5"(40mm) gauges
- >> 2.7"(68.6mm) diaphragm-fabric reinforced neoprene
- >> Encapsulated Valves seat mechanism
- >> Sintered inlet filter-nickel plated bronze
- >> SLAM impact absorbing safety knob
- >> External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on low pressure fuel gas models).
- >> Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test



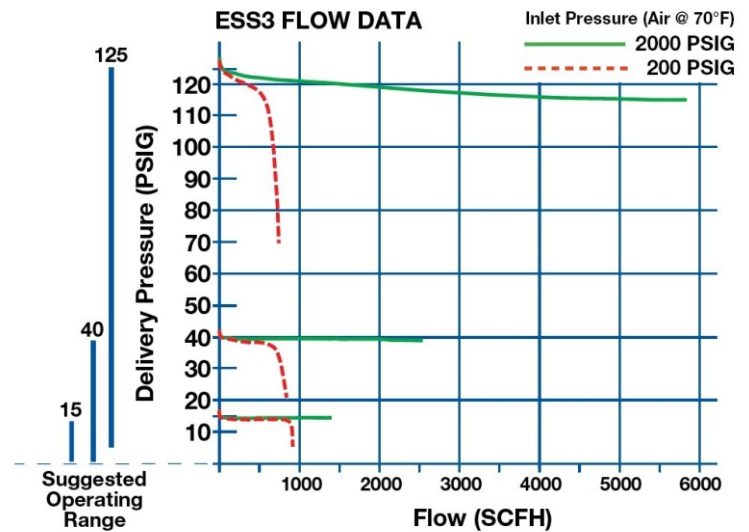
Gas Service	Part Number	Model Number	Max Inlet Pressure (PSIG)	Delivery Range (PSIG)	Inlet Gauge Range	Outlet Gauge Range	Inlet Connection	Outlet Connection
Acetylene	0781-5133	ESS4-15-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-5160	ESS4-15-300L	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-5132	ESS4-15-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
	0781-5159	ESS4-15-510L	350	2-15	400	30	CGA 510	9/16"-18 M LH
	0781-5134	ESS4-15-993	350	2-15	400	30	CGA 993	9/16"-18 M LH
L.P. Gas	0781-5135	ESS4-40-510LP	350	2-40	400	60	CGA 510	9/16"-18 M LH
	0781-5136	ESS4-125-510LP	350	5-125	400	200	CGA 510	9/16"-18 M LH
Oxygen	0781-5154	ESS4-40-540	3000	2-40	4000	60	CGA 540	9/16"-18 M RH
	0781-5127	ESS4-125-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
	0781-5161	ESS4-125-540L	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
	0781-5131	ESS4-200-540	3000	10-200	4000	400	CGA 540	9/16"-18 M RH
	0781-5128	ESS4-125-992	3000	5-125	4000	200	CGA 992	9/16"-18 M RH
	0781-5155	ESS4-200-992	3000	10-200	4000	400	CGA 992	9/16"-18 M RH
Air	0781-5142	ESS4-125-346	3000	5-125	4000	200	CGA 346	5/8"-18 F LH
	0781-5145	ESS4-200-346	3000	10-200	4000	400	CGA 346	5/8"-18 F LH
Inert Gas	0781-5143	ESS4-125-580	3000	5-125	4000	200	CGA 580	5/8"-18 F RH
	0781-5144	ESS4-200-580	3000	10-200	4000	400	CGA 580	5/8"-18 F RH
	0781-5152	ESS4-200-580L	3000	10-200	4000	400	CGA 580	5/8"-18 F RH
Methane Hydrdon	0781-5137	ESS4-125-350	3000	5-125	4000	200	CGA 350	9/16"-18 M LH
	0781-5138	ESS4-200-350	3000	10-200	4000	400	CGA 350	9/16"-18 M LH
Carbon Dioxide	0781-5147	ESS4-200-320	3000	10-200	4000	400	CGA 320	CGA 032 5/8"-18 UNF



ESS3 Medium Capacity

Design/Construction

- >> Forged brass body
- >> Zinc-Aluminum housing cap
- >> High Impact ABS gauge guard
- >> 1.5"(40mm) gauges
- >> 2"(50.8mm) diaphragm-fabric reinforced neoprene
- >> Encapsulated Valves seat mechanism
- >> Sintered inlet filter-nickel plated bronze
- >> SLAM impact absorbing safety knob
- >> External self reseating relief valve. Not designed to protect downstream equipment(no relief valve is needed on low pressure fuel gas models).
- >> Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test



Gas Service	Part Number	Model Number	Max Inlet Pressure (PSIG)	Delivery Range (PSIG)	Inlet Gauge Range	Outlet Gauge Range	Inlet Connection	Outlet Connection
Acetylene	0781-5106	ESS3-15-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-5105	ESS3-15-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
L.P. Gas	0781-5108	ESS3-40-510LP	350	2-40	400	60	CGA 510	9/16"-18 M LH
	0781-5109	ESS3-125-510LP	350	5-125	400	200	CGA 510	9/16"-18 M LH
Oxygen	0781-5100	ESS3-125-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
Air	0781-5115	ESS3-125-346	3000	5-125	4000	200	CGA 346	5/8"-18 F LH
Inert Gas	0781-5122	ESS3-40-580	3000	2-40	4000	60	CGA 580	5/8"-18 F RH
	0781-5116	ESS3-125-580	3000	5-125	4000	200	CGA 580	5/8"-18 F RH
Methane Hydrgon	0781-5110	ESS3-40-350	3000	2-40	4000	60	CGA 350	9/16"-18 M LH
	0781-5111	ESS3-125-350	3000	5-125	4000	200	CGA 350	9/16"-18 M LH
Carbon Dioxide	0781-5121	ESS3-125-320	3000	5-125	4000	200	CGA 320	CGA 032 5/8"-18 UNF

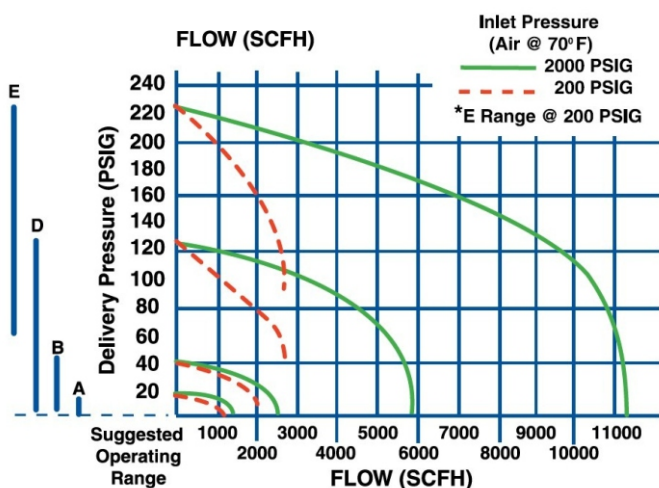


Regulator

SR 450 Heavy Duty

Design/Construction

- >> Forged brass body
- >> Forged brass housing cap
- >> 2.5"(63.5mm) gauges
- >> 3.25"(82.6mm) diaphragm-stainless steel
- >> Encapsulated Valves seat mechanism
- >> Sintered inlet filter-nickel plated bronze
- >> Delrin cap bushing for smooth adjustments
- >> External self reseating relief valve. Not designed to protect downstream equipment(no relief valve is needed on SR 460 and SR 461 series regulators).
- >> Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test



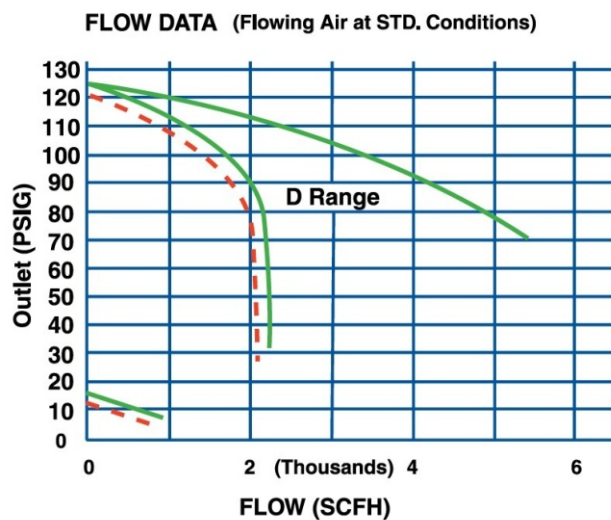
Gas Service	Part Number	Model Number	Max Inlet Pressure (PSIG)	Delivery Range (PSIG)	Inlet Gauge Range	Outlet Gauge Range	Inlet Connection	Outlet Connection
Acetylene	0781-0583	SR 460A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-0584	SR 460A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
	0781-0591	CSR 460A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-0610	CSR 460A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
L.P. Gas	0781-0589	SR 461B-510	350	2-40	400	60	CGA 510	9/16"-18 M LH
	0781-0600	CSR 461B-510	350	2-40	400	60	CGA 510	9/16"-18 M LH
	0781-0595	SR 461D-510	350	5-125	400	200	CGA 510	9/16"-18 M LH
Oxygen	0781-0515	SR 450B-540	3000	2-40	4000	60	CGA 540	9/16"-18 M RH
	0781-0527	SR 450D-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
	0781-0531	CSR 450D-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
Air	0781-0532	SR 450D-346	3000	5-125	4000	200	CGA 346	5/8"-18 F LH
Inert Gas	0781-0516	SR 450B-580	3000	2-40	4000	60	CGA 580	5/8"-18 F RH
	0781-0528	SR 450D-580	3000	5-125	4000	200	CGA 580	5/8"-18 F RH
Methane Hydrgon	0781-0558	SR 452B-350	3000	2-40	4000	60	CGA 350	9/16"-18 M LH
	0781-0564	SR 452D-350	3000	5-125	4000	200	CGA 350	9/16"-18 M LH
Carbon Dioxide	0781-0576	SR 453D-320	3000	5-125	4000	200	CGA 320	CGA 032 5/8"-18 UNF

- ➡ **Contact to Manufacturer for other gas and pressure requirement.**
- ➡ **CSR model:Green Gauges for Oxygen,Red Gauges for Fuel.**

SR 350 Heavy/Medium Duty

Design/Construction

- >> Forged brass body
- >> Forged brass housing cap
- >> 2.5"(63.5mm) gauges
- >> 2.7"(68.6mm) diaphragm-fabric reinforced neoprene
- >> Encapsulated Valves seat mechanism
- >> Sintered inlet filter-nickel plated bronze
- >> Delrin cap bushing for smooth adjustments
- >> External self reseating relief valve. Not designed to protect downstream equipment(no relief valve is needed on SR 360 and SR 361 series regulators).
- >> Meets or exceeds CGA E-4,UL 252 and ASTM G-175 Promoted Ignition Test



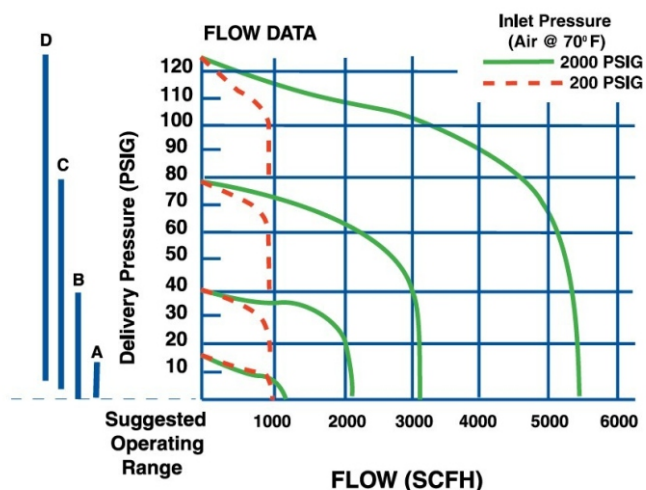
Gas Service	Part Number	Model Number	Max Inlet Pressure (PSIG)	Delivery Range (PSIG)	Inlet Gauge Range	Outlet Gauge Range	Inlet Connection	Outlet Connection
Acetylene	0781-2400	SR 360A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-2401	SR 360A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
	0781-2404	CSR 360A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-2408	CSR 360A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
L.P. Gas	0781-2275	CSR 361B-510	350	2-40	400	60	CGA 510	9/16"-18 M LH
Oxygen	0781-2341	SR 350D-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
	0781-2274	CSR 350D-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH

- ➔ **Contact to Manufacturer for other gas and pressure requirement.**
- ➔ **CSR model: Green Gauges for Oxygen, Red Gauges for Fuel.**

SR 250 Medium Duty

Design/Construction

- >> Forged brass body
- >> Forged brass housing cap
- >> 2" (50.8mm) gauges
- >> 1.75" (44.5mm) diaphragm-fabric reinforced neoprene
- >> Encapsulated Valves seat mechanism
- >> Sintered inlet filter-nickel plated bronze
- >> Delrin cap bushing for smooth adjustments
- >> External self reseating relief valve. Not designed to protect downstream equipment(no relief valve is needed on SR 260 and SR 261 series regulators).
- >> Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test



Gas Service	Part Number	Model Number	Max Inlet Pressure (PSIG)	Delivery Range (PSIG)	Inlet Gauge Range	Outlet Gauge Range	Inlet Connection	Outlet Connection
Acetylene	0781-0085	SR 260A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-0087	SR 260A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
	0781-0244	CSR 260A-300	350	2-15	400	30	CGA 300	9/16"-18 M LH
	0781-0232	CSR 260A-510	350	2-15	400	30	CGA 510	9/16"-18 M LH
L.P. Gas	0781-0095	SR 261B-510	350	2-40	400	60	CGA 510	9/16"-18 M LH
	0781-0098	SR 261C-510	350	4-80	400	100	CGA 510	9/16"-18 M LH
	0781-0104	SR 261D-510	350	5-125	400	200	CGA 510	9/16"-18 M LH
Oxygen	0781-0027	SR 250C-540	3000	4-80	4000	100	CGA 540	9/16"-18 M RH
	0781-0043	SR 250D-540	3000	5-125	4000	200	CGA 540	9/16"-18 M RH
	0781-0033	CSR 250C-540	3000	4-80	4000	100	CGA 540	9/16"-18 M RH
Air	0781-0002	SR 250C-346	3000	4-80	4000	100	CGA 346	5/8"-18 F LH
	0781-0010	SR 250D-346	3000	5-125	4000	200	CGA 346	5/8"-18 F LH
Inert Gas	0781-0028	SR 250C-580	3000	4-80	4000	100	CGA 580	5/8"-18 F RH
	0781-0044	SR 250D-580	3000	5-125	4000	200	CGA 580	5/8"-18 F RH
Methane Hydrgon	0781-0065	SR 252C-350	3000	4-80	4000	100	CGA 350	9/16"-18 M LH
	0781-0068	SR 252D-350	3000	5-125	4000	200	CGA 350	9/16"-18 M LH
Carbon Dioxide	0781-0077	SR 253C-320	3000	4-80	4000	100	CGA 320	CGA 032 5/8"-18 UNF
	0781-0079	SR 253D-320	3000	5-125	4000	200	CGA 320	CGA 032 5/8"-18 UNF

➡ **Contact to Manufacturer for other gas and pressure requirement.**

➡ **CSR model:Green Gauges for Oxygen,Red Gauges for Fuel.**

VanGuard Torch Handle

Victor torch handles cover the full range of welding, cutting and heating needs. Performance matched cutting attachments are available for each torch handle series. Victor torch handles are available with VanGuard safety features:

- >> Built-in flashback arrestors - no need for accessory flashback arrestors
- >> Built-in reverse flow check valves - no need for accessory check valves
- >> Work 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 outfit models. VanGuard torch handles also feature Victor traditional threaded assemblies for economical repair if service is necessary.

H 315FC & 315FC Torch handle Extra Heavy Duty & Heavy Duty



Part Number	Model Number	Description	Oxygen Hose Connection	Fuel Hose Connection	Gas Service	Length
0382-0316	H 315FC	High Flow Torch Handle	9/16"-18 M RH	9/16"-18 M LH	All	9"(228.6mm)
0382-0034	315FC	VanGuard Heavy Duty	9/16"-18 M RH	9/16"-18 M LH	All	9"(228.6mm)

100FC Torch Handle Medium Duty



Part Number	Model Number	Description	Oxygen Hose Connection	Fuel Hose Connection	Gas Service	Length
0382-0032	100FC	VanGuard Medium Duty	9/16"-18 M RH	9/16"-18 M LH	All	8.5"(215.9mm)

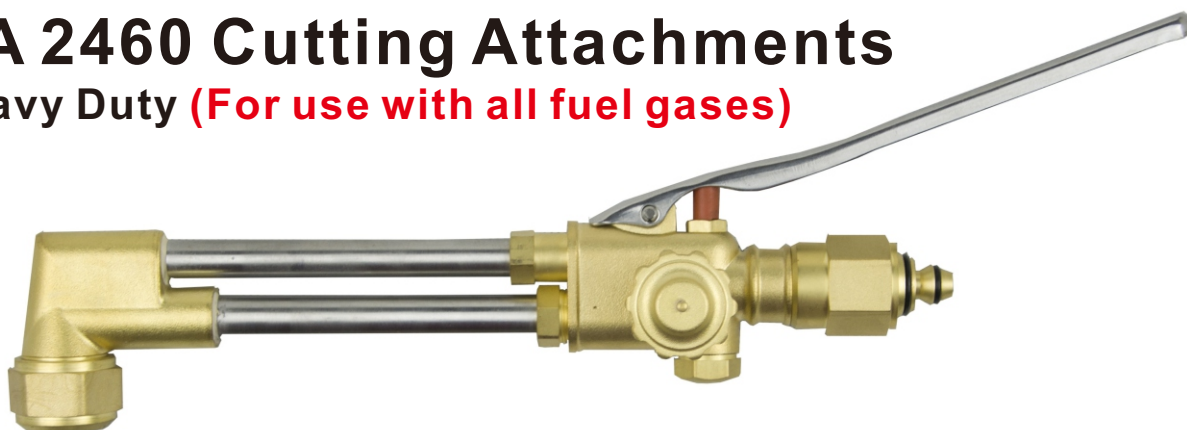
Cutting Attachment

Performance matches for each torch handle series

- >> Forged brass head
- >> Spiral mixer blends oxygen&Fuel
- >> Smooth cutting valve(push type)
- >> Stainless steel tube
- >> Brass coupling nut&double O-ring taperedseal gives quick gas-tight seal without tightening wrench

CA 2460 Cutting Attachments

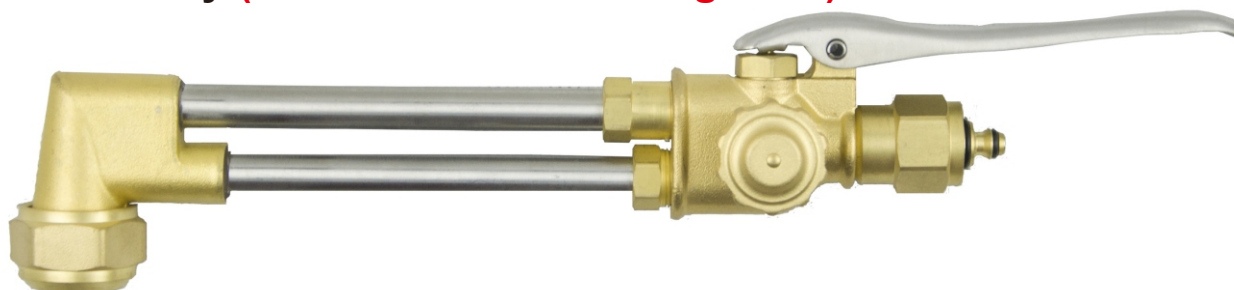
Heavy Duty (**For use with all fuel gases**)



Part Number	Model Number	Gas Service	Cutting Range	Tip Series	Head Angle
0381-0816	CA 2460	All	8"(203.2mm)	1	90°
0381-0817	CA 2461	All	8"(203.2mm)	1	75°
0381-0818	CA 2462	All	8"(203.2mm)	1	180°

CA 1350 Cutting Attachments

Medium Duty (**For use with all fuel gases**)



Part Number	Model Number	Gas Service	Cutting Range	Tip Series	Head Angle
0381-0418	CA 1350	All	6"(152.4mm)	3	90°
0381-0420	CA 1351	All	6"(152.4mm)	3	75°
0381-0421	CA 1352	All	6"(152.4mm)	3	180°

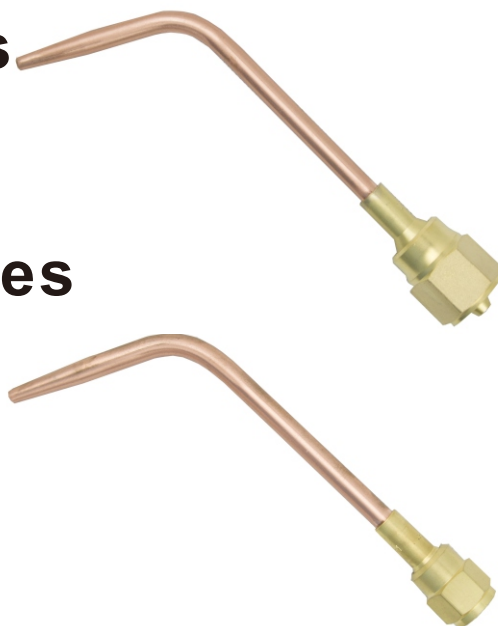
W Series Welding Nozzles

For use with 300 Series torch handles

W-1 Series Welding Nozzles

For use with 100 Series torch handles

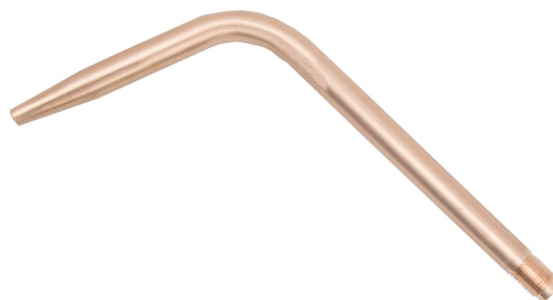
- >> General purpose welding&preheating
- >> Fuel gas usage-acetylene,hydrogen
- >> 65° tip angle
- >> long cone flame
- >> one piece copper elbow tip



Model	Size	Part Number	Series
W	000	0323-0110	300
	00	0323-0111	300
	0	0323-0112	300
	1	0323-0120	300
	2	0323-0121	300
	3	0323-0122	300
	4	0323-0130	300
	5	0323-0131	300
	6	0323-0132	300
	7	0323-0140	300
	8	0323-0141	300
	10	0323-0142	300
W-1	000	0324-0068	100
	00	0324-0069	100
	0	0324-0070	100
	1	0324-0071	100
	2	0324-0072	100
	3	0324-0073	100
	4	0324-0074	100
	5	0324-0075	100
	6	0324-0076	100

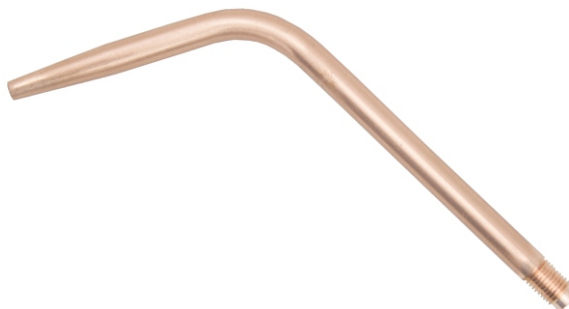
ET Series Elbow Tips

For use with 300 Series torch handles



ET-1 Series Elbow Tips

For use with 100 Series torch handles



- >> General purpose welding&preheating
- >> Fuel gas usage-acetylene,hydrogen
- >> 65° tip angle
- >> long cone flame
- >> one piece copper elbow tip

Model	Size	Part Number	Series
ET	000	0311-0055	300
	00	0311-0056	300
	0	0311-0057	300
	1	0311-0058	300
	2	0311-0059	300
	3	0311-0572	300
	4	0311-0573	300
	5	0311-0574	300
	6	0311-0575	300
	7	0311-0576	300
	8	0311-0577	300
	10	0311-0073	300
ET-1	000	0311-0055	100
	00	0311-0056	100
	0	0311-0057	100
	1	0311-0058	100
	2	0311-0059	100
	3	0311-0345	100
	4	0311-0346	100
	5	0311-0602	100
	6	0311-0603	100

MFA/MFA-1 Heating Nozzles



For use with 100,300&HD310C Series Torch Handle

Heavy Industry

Multi-flame heating head for heat treating, straightening & priming

Part Number	Type	Gas Service	Size	Tip end Replacement	Length	Series
0323-0250	MFA	Acetylene	4	0311-0536	12"(304.8mm)	300
0323-0251	MFA	Acetylene	6	0311-0537	12"(304.8mm)	300
0323-0252	MFA	Acetylene	8	0311-0538	12"(304.8mm)	300
0323-0260	MFA	Acetylene	10	0311-0648	17.5"(304.8mm)	300
0323-0261	MFA	Acetylene	12	0311-0649	17.5"(304.8mm)	HD 310C
0323-0262	MFA	Acetylene	15	0311-0650	17.5"(304.8mm)	HD 310C
0324-0108	MFA-1	Acetylene	2	0311-0558	12"(304.8mm)	100
0324-0109	MFA-1	Acetylene	4	0311-0559	12"(304.8mm)	100
0324-0110	MFA-1	Acetylene	6	0311-0600	12"(304.8mm)	100
0324-0111	MFA-1	Acetylene	8	0311-0601	12"(304.8mm)	100

➔ **WARNING: MFA Nozzle for Acetylene, Not for use with other fuel gases**

➔ Size 12 and 15 MFA heating nozzles must be used with HD310C torch handle and 3/8"(9.5mm) hose for best performance

Type MFA&MFA-1 Operational and Performance Data

Tip Size	Oxygen Pressure (PSIG)	Acetylene Pressure (PSIG)	Oxygen Consumption (SCFH)	Acetylene Consumption (SCFH)
2	4/8	4/8	3/10	3/9
4	8/12	6/10	7/22	6/20
6	10/15	8/12	15/44	14/20
8	20/30	10/15	33/88	30/80
10	30/40	12/15	44/110	40/100
12	50/60	12/15	66/165	60/150
15	50/60	12/15	99/244	90/220

Torch

ST 2600FC Series

Heavy Duty Straight Cutting Torch

For use with all fuel gases



- >> Forged brass head
- >> Spiral mixer blends oxygen&Fuel
- >> Smooth cutting valve(push type)
- >> Stainless steel tube
- >> Includes built-in flashback arrestors and reverse flow check valves for added safety
- >> Cutting capacity 1/8"(3.2mm) to 8"(203.2mm)
- >> Hose connections are 9/16"-18 unless noted

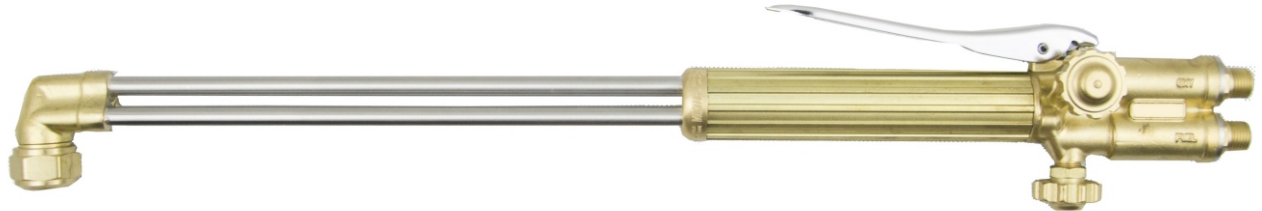
Part Number	Model Number	Lever Position	Tip Series	Head Angle	Length
0381-1486	SST 2600FC	Top Rear	1	90°	17"(43.2cm)
0381-1487	SST 2601FC	Top Rear	1	75°	17"(43.2cm)
0381-1480	ST 2600FC	Top Rear	1	90°	21"(53.3cm)
0381-1482	ST 2601FC	Top Rear	1	75°	21"(53.3cm)
0381-1484	ST 2602FC	Top Rear	1	180°	21"(53.3cm)
0381-1490	ST 2610FC	Top Rear	1	90°	27"(68.6cm)
0381-1491	ST 2611FC	Top Rear	1	75°	27"(68.6cm)
0381-1492	ST 2612FC	Top Rear	1	180°	27"(68.6cm)
0381-1496	ST 2630FC	Top Rear	1	90°	36"(91.4cm)
0381-1498	ST 2631FC	Top Rear	1	75°	36"(91.4cm)
0381-1500	ST 2632FC	Top Rear	1	180°	36"(91.4cm)

Torch

ST 900FC Series

Heavy Duty Straight Cutting Torch

For use with all fuel gases



- >> Forged brass head
- >> Spiral mixer blends oxygen&Fuel
- >> Smooth cutting valve(push type)
- >> Stainless steel tube
- >> Includes built-in flashback arrestors and reverse flow check valves for added safety
- >> Cutting capacity 1/8"(3.2mm) to 5"(127mm)
- >> Hose connections are 9/16"-18 unless noted

Part Number	Model Number	Lever Position	Tip Series	Head Angle	Length
0381-1620	SST 900FC	Top Rear	1	90°	17"(43.2cm)
0381-1622	SST 901FC	Top Rear	1	75°	17"(43.2cm)
0381-1621	ST 900FC	Top Rear	1	90°	21"(53.3cm)
0381-1623	ST 901FC	Top Rear	1	75°	21"(53.3cm)
0381-1628	ST 912FC	Top Rear	1	180°	27"(68.6cm)
0381-1624	ST 930FC	Top Rear	1	90°	36"(91.4cm)
0381-1625	ST 931FC	Top Rear	1	75°	36"(91.4cm)
0381-1626	ST 932FC	Top Rear	1	180°	36"(91.4cm)
0381-1629	ST 950FC	Top Rear	1	90°	48"(121.9cm)
0381-1630	ST 951FC	Top Rear	1	75°	48"(121.9cm)
0381-1631	ST 952FC	Top Rear	1	180°	48"(121.9cm)

Cutting Nozzle

TOPGAS®
Professional Manufacturer

Victor Professional Series 1-Acetylene Cutting Tips

Size	Series	Type
000	1	101



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Acetylene (PSIG)	Acetylene (SCFH)	Speed I.P.M.	Kerf Width
0330-0003	000	1/8"	20/25	20/25	3/5	3/5	3/5	3/5	28/32	0.04
0330-0004	00	1/4"	20/25	30/35	3/5	4/6	3/5	4/6	27/30	0.05
0330-0012	0	1/2"	25/35	55/65	3/6	5/11	3/5	5/10	20/28	0.06
0330-0005	1	3/4"	30/35	80/85	4/7	9/14	3/5	8/13	17/21	0.07
0330-0006	2	1"	40/45	150/160	4/12	13/20	3/7	12/18	13/17	0.09
0330-0002	3	2"	40/50	210/240	5/16	15/29	4/10	14/26	10/15	0.11
0330-0007	4	3"	40/50	270/320	6/17	20/33	5/10	18/30	9/12	0.12
0330-0008	5	5"	45/55	390/450	7/20	24/41	5/13	22/38	7/11	0.15
0330-0009	6	6"	45/55	500/600	10/25	33/55	7/14	30/50	5/8	0.18
0330-0013	7	10"	45/55	700/850	15/30	44/62	10/15	40/56	4/5	0.34
0330-0014	8	12"	45/55	900/1000	20/35	53/68	10/15	48/62	3/5	0.41

Size	Series	Type
000	1	101 30°



- >> General purpose
- >> Hand and machine torch cutting 30° with torch perpendicular

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Acetylene (PSIG)	Acetylene (SCFH)	Speed I.P.M.	Kerf Width
0330-0198	0	1/2"	25/35	55/65	3/6	5/11	3/5	5/10	20/28	0.06
0330-0199	1	3/4"	30/35	80/85	4/7	9/14	3/5	8/13	17/21	0.07
0330-0284	2	1"	40/45	150/160	4/12	13/20	3/7	12/18	13/17	0.09

Size	Series	Type
000	1	101-L



- >> General purpose
- >> Extra length tips

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Acetylene (PSIG)	Acetylene (SCFH)	Speed I.P.M.	Kerf Width
0330-0531	4	3"	45/50	270/320	6/17	20/33	5/10	18/30	9/12	0.12
0330-0535	6	6"	45/55	500/600	10/25	33/55	7/14	30/50	5/8	0.18

- >> Data compiled using mild steel as test material.
- >> Preheat data applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.
- >> For best performance use 3/8" hose when using tip size 6 or larger.
- >> All pressure are measured at the regulator using 25'x 1/4" hose through tip size 5 and 25'x 3/8" hose for tip size 6 or larger.
- >> Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.

Cutting Nozzle

Victor Professional Series 1-Propylene Cutting Tips

Size	Series	Type
000	1	GPP



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0260	000	1/8"	20/25	12/14	30/35	23/108	3/5	5/6	24/28	0.04
0333-0261	00	1/4"	20/25	22/26	30/35	23/108	3/5	5/7	21/25	0.04
0333-0262	0	1/2"	25/35	45/55	30/35	23/108	3/5	8/10	18/24	0.06
0333-0263	1	3/4"	30/35	70/80	30/35	23/108	4/6	10/12	15/20	0.08
0333-0264	2	1"	35/45	115/135	30/35	23/108	4/9	12/15	12/18	0.09
0333-0265	3	2"	40/50	150/200	30/35	23/108	5/10	14/18	9/14	0.10
0333-0266	4	3"	45/50	210/250	30/35	23/108	8/12	16/20	8/11	0.12
0333-0267	5	5"	45/55	300/360	30/35	23/108	8/12	20/30	6/10	0.14
0333-0268	6	6"	45/65	400/500	30/35	23/153	10/15	25/35	4/7	0.17
0333-0269	7	10"	55/65	450/500	30/35	23/153	10/15	25/35	3/5	0.34
0333-0270	8	12"	60/70	450/500	30/35	23/153	10/15	25/35	3/4	0.41

Size	Series	Type
000	1	HPP



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0282	0	1/2"	30/35	70/80	30/35	44/240	3/5	22/110	18/22	0.06
0333-0283	1	3/4"	30/35	70/80	30/35	44/240	3/6	22/110	15/20	0.08
0333-0284	2	1"	35/45	115/135	30/35	44/240	3/8	22/110	12/18	0.09
0333-0285	3	2"	40/50	150/200	30/35	44/240	4/9	22/110	9/14	0.10
0333-0286	4	3"	40/50	210/250	30/35	44/240	6/9	22/110	8/11	0.12
0333-0287	5	5"	45/55	300/360	30/35	44/240	6/10	22/110	6/10	0.14
0333-0288	6	6"	45/65	400/500	30/35	44/240	6/12	22/110	4/7	0.18
0333-0290	8	12"	60/70	750/850	30/35	50/265	10/14	25/120	3/4	0.41
0333-0291	10	15"	60/70	1000/1200	30/35	50/265	10/16	25/120	2/4	—
0333-0292	12	18"	60/70	1150/1350	30/35	60/290	10/16	30/130	2/3	—

- >> Data compiled using mild steel as test material.
- >> Preheat data applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.
- >> For best performance use 3/8" hose when using tip size 6 or larger.
- >> All pressure are measured at the regulator using 25'x 1/4" hose through tip size 5 and 25'x 3/8" hose for tip size 6 or larger.
- >> Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.

Cutting Nozzle

TOPGAS®
Professional Manufacturer

Victor Professional Series 1-LP Cutting Tips

Size	Series	Type
000	1	GPN



>> General purpose
>> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0300	000	1/8"	20/25	12/14	30/35	23/108	3/5	5/6	24/28	0.04
0333-0301	00	1/4"	20/25	22/26	30/35	23/108	3/5	5/7	21/25	0.04
0333-0302	0	1/2"	25/35	45/55	30/35	23/108	3/5	8/10	18/24	0.06
0333-0303	1	3/4"	30/35	70/80	30/35	23/108	4/6	10/12	15/20	0.08
0333-0304	2	1"	35/45	115/135	30/35	23/108	4/9	12/15	12/18	0.09
0333-0305	3	2"	40/50	150/200	30/35	23/108	5/10	14/18	9/14	0.10
0333-0306	4	3"	45/50	210/250	30/35	23/108	8/12	16/20	8/11	0.12
0333-0307	5	5"	45/55	300/360	30/35	23/108	8/12	20/30	6/10	0.14
0333-0308	6	6"	45/65	400/500	30/35	23/153	10/15	25/35	4/7	0.18
0333-0309	7	10"	55/65	450/500	30/35	23/153	10/15	25/35	3/5	0.34
0333-0310	8	12"	60/70	450/500	30/35	23/153	10/15	25/35	3/4	0.41

Size	Series	Type
000	1	HPN



>> General purpose
>> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0322	0	1/2"	30/35	70/80	30/35	44/240	3/5	22/110	18/22	0.06
0333-0323	1	3/4"	30/35	70/80	30/35	44/240	3/6	22/110	15/20	0.08
0333-0324	2	1"	35/45	115/135	30/35	44/240	3/8	22/110	12/18	0.09
0333-0325	3	2"	40/50	150/200	30/35	44/240	4/9	22/110	9/14	0.10
0333-0326	4	3"	40/50	210/250	30/35	44/240	6/9	22/110	8/11	0.12
0333-0327	5	5"	45/55	300/360	30/35	44/240	6/10	22/110	6/10	0.14
0333-0328	6	6"	45/65	400/500	30/35	44/240	6/12	22/110	4/7	0.18
0333-0330	8	12"	60/70	750/850	30/35	50/265	10/14	25/120	3/4	0.41
0333-0331	10	15"	60/70	1000/1200	30/35	50/265	10/16	25/120	2/4	—
0333-0332	12	18"	60/70	1150/1350	30/35	60/290	10/16	30/130	2/3	—

>> Data compiled using mild steel as test material.
>> Preheat data applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.
>> For best performance use 3/8" hose when using tip size 6 or larger.
>> All pressure are measured at the regulator using 25'x 1/4" hose through tip size 5 and 25'x 3/8" hose for tip size 6 or larger.
>> Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.

Cutting Nozzle

Victor Professional Series 3-Acetylene Cutting Tips

Size	Series	Type
000	3	101



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Acetylene (PSIG)	Acetylene (SCFH)	Speed I.P.M.	Kerf Width
0331-0002	000	1/8"	20/25	20/25	3/5	3/5	3/5	3/5	28/32	0.04
0331-0009	00	1/4"	20/25	30/35	3/5	4/6	3/5	4/6	27/30	0.05
0331-0013	0	1/2"	25/35	55/65	3/6	5/11	3/5	5/10	20/28	0.06
0331-0014	1	3/4"	30/35	80/85	4/7	9/14	3/5	8/13	17/21	0.07
0331-0015	2	1"	35/45	140/160	4/12	11/20	3/7	10/18	13/19	0.09
0331-0016	3	2"	40/50	210/240	5/16	15/29	4/10	14/26	10/15	0.11
0331-0017	4	3"	45/50	270/320	6/17	20/33	5/10	18/30	9/12	0.12
0331-0018	5	4"	45/55	390/450	7/20	24/41	5/13	22/38	7/11	0.15

Victor Professional Series 3-Propylene Cutting Tips

Size	Series	Type
000	3	GPP



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0389	00	1/4"	20/25	22/26	30/35	23/108	3/5	5/7	21/25	0.04
0333-0390	0	1/2"	25/35	45/55	30/35	23/108	3/5	8/10	18/24	0.06
0333-0391	1	3/4"	30/35	70/80	30/35	23/108	4/6	10/12	15/20	0.08
0333-0392	2	1"	35/45	115/135	30/35	23/108	4/9	12/15	12/18	0.09
0333-0393	3	2"	40/50	150/200	30/35	23/108	5/10	14/18	9/14	0.10
0333-0394	4	3"	45/50	210/250	30/35	23/108	8/12	16/20	8/11	0.12

- >> Data compiled using mild steel as test material.
- >> Preheat data applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.
- >> For best performance use 3/8" hose when using tip size 6 or larger.
- >> All pressure are measured at the regulator using 25'x 1/4" hose through tip size 5 and 25'x 3/8" hose for tip size 6 or larger.
- >> Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.

Victor Professional Series 3-LP Cutting Tips

Size	Series	Type
000	3	GPN



- >> General purpose
- >> Hand and machine torch cutting

Part Number	Sizes	Metal Thickness (Inches)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Preheat Oxygen (PSIG)	Preheat Oxygen (SCFH)	Fuel (PSIG)	Fuel (SCFH)	Speed I.P.M.	Kerf Width
0333-0398	00	1/4"	20/25	22/26	30/35	23/108	3/5	5/7	21/25	0.04
0333-0399	0	1/2"	25/35	45/55	30/35	23/108	3/5	8/10	18/24	0.06
0333-0400	1	3/4"	30/35	70/80	30/35	23/108	4/6	10/12	15/20	0.08
0333-0401	2	1"	35/45	115/135	30/35	23/108	4/9	12/15	12/18	0.09
0333-0402	3	2"	40/50	150/200	30/35	23/108	5/10	14/18	9/14	0.10
0333-0403	4	3"	45/50	210/250	30/35	23/108	8/12	16/20	8/11	0.12
0333-0404	5	5"	45/55	300/360	30/35	23/108	8/12	20/30	6/10	0.14

- >> Data compiled using mild steel as test material.
- >> Preheat data applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.
- >> For best performance use 3/8" hose when using tip size 6 or larger.
- >> All pressure are measured at the regulator using 25'x 1/4" hose through tip size 5 and 25'x 3/8" hose for tip size 6 or larger.
- >> Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.