

Cutting Tips

Oxy/Propane/LPG/Natural Gas

Opens up avenues for the Contractor who is using LPG/Propane as his fuel gas. A high performance product, which will give quick starts and quality cutting.

To suit 362 Cutting Attachment

	Size	Precision
3690	00P	Cuts 0- 6mm Steel
3690	0P	Cuts 6-13mm Steel
3690	1P	Cuts 13-25mm Steel
3690	2P	Cuts 25-75mm Steel

Professional Oxy/Propane/LPG/Natural Gas

The design of these Tips is superb and adds a new dimension to cutting, using Oxy/ LPG, Propane, Natural Gas. They give very **quick starts** and also **precise control** over the amount of gas used. Every Tip is flame tested before leaving the factory.

To suit 1492FHC, 492F Cutt. Att., 142F & 624FL.

	Size	Professional
6290	000NX	Cuts 0- 5mm Steel
6290	OONX	Cuts 5- 10mm Steel
6290	ONX	Cuts 10- 15mm Steel
6290	1NX	Cuts 15- 25mm Steel
6290	2NX	Cuts 25- 50mm Steel
6290	3NX	Cuts 50- 75mm Steel
6290	4NX	Cuts 75-150mm Steel
6290	5NX	Cuts 150-200mm Steel
6290	6NX	Cuts 200-300mm Steel

NOTE: Standard 5mm Hose does limit good cutting to 100mm. Suggest larger diameter Hose.





Heating Tips

Oxy/Acetylene

Heating with Oxy /Acet is used in industry in many different applications. It is when using the J633 and above, that procedures and methods become critical. Contact **Harris** for advise.

We believe our heating tips are the hottest in the industry.

Size

J63	2	Multi Flame Heating
J63	3	Multi Flame Heating
J63	4	Multi Flame Heating
J143	5	Multi Flame Heating

- NOTE:**
- 1) Tip is silver soldered to stainless steel Tip Tube. Comes as a complete item (J633 & J634, J1435).
 - 2) Size 2 suits E43 Mixers. Sizes 3 & 4 suit E243 Mixer only.
 - 3) J632 can be fitted to H192E Mixer by using 190111 Adaptor.
 - 4) J633,4 can cause some problems with 5mm hose - restricts flow and/or wrong technique.
 - 5) J1435 requires 10mm Hose and manifold acetylene cylinders.

Professional Oxy/Propane

The shape, performance, characteristics of the flame are affected/controlled in some way by the tip. Harris tips are designed and manufactured to give the very best flame. Our quality is assured as every tip is flame tested.

Size

2290	1H	Multi Flame Oxy/Propane Heating Tip
2290	2H	Multi Flame Oxy/Propane Heating Tip
2290	3H	Multi Flame Oxy/Propane Heating Tip
2290	4H	Multi Flame Oxy/Propane Heating Tip
2290	5H	Multi Flame Oxy/Propane Heating Tip

- NOTE:**
- 1) Tip Tube 2393 is needed, as well as the correct Mixer - F43 Propane/LPG, B43N Natural Gas.
 - 2) Standard 5mm Hose limits size to 2290 1H, 2H, 3H.
 - 3) Enormous heat is available with the above range of Tips.

Size

H62	1P	Heating Tip	NOTE: 1) Can attach to Professional Cutt Att. and Hand Cutting Torches.
H62	2P	Heating Tip	
H62	3P	Heating Tip	

23573 Nipple - Use with 2393 Tip Tube before fitting heating Tip for protection of the threads

23579 Adapts 2290 Heating Tips to Competitors S/S Tip Tubes





Tip Tubes

Range, gas sealing and construction help to make these products an ideal addition to the safe use of gas equipment.

D50C Designed for Precision Handle Fits H192E, H192S, B191, B193 Mixers plus 1390 Tips.

8593 Designed for Professional Fits E43, E43HC, B433, B436, B438 Mixers plus 1390 Tips.

23932F Stainless Steel - 710mm

23933F Stainless Steel - 380mm

23935F Stainless Steel Straight 1040mm

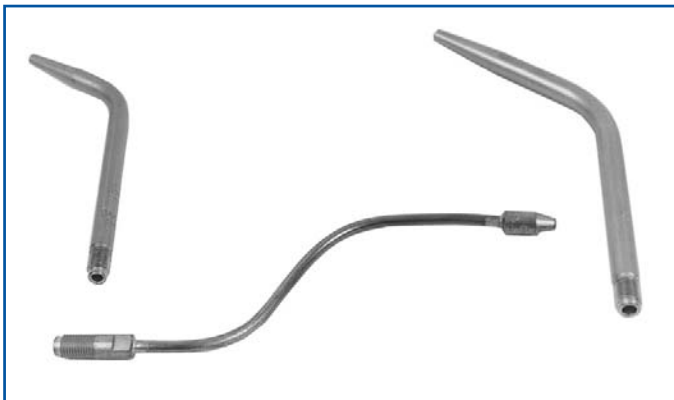
NOTE: 23933F is the most popular size.

Welding, Brazing, Heating Tips

Oxygen Acetylene

	Size	Precision or Professional
0090	1	Flexible Welding/Brazing
0090	3	Flexible Welding/Brazing
0090	5	Flexible Welding/Brazing
0090	6	Flexible Welding/Brazing
0090	8	Flexible Welding/Brazing

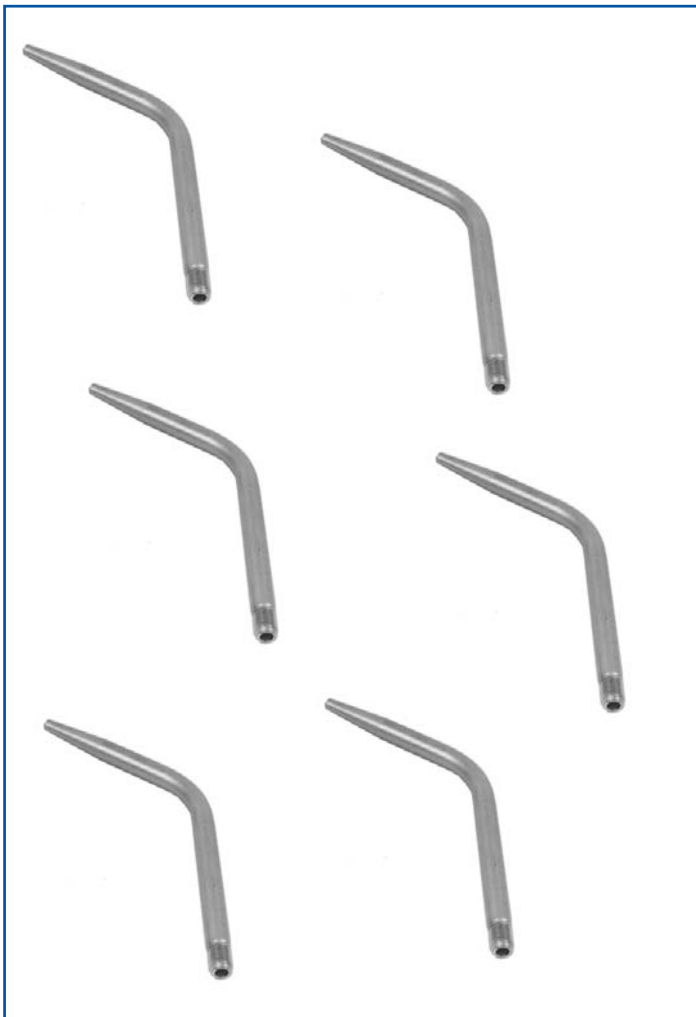
NOTE: To suit H192E Mixer. Precision Series. Adaptor 430111 needed for E43, E43HC Mixers, Professional Series.





Size		Precision
5090	1	Copper Swaged Welding/Brazing
5090	3	Copper Swaged Welding/Brazing
5090	5	Copper Swaged Welding/Brazing
5090	6	Copper Swaged Welding/Brazing
5090	8	Copper Swaged Welding/Brazing

NOTE: To suit H192E Mixer. Part of Precision Series.



Size		Professional
23A90	1	Copper Swaged Welding/Brazing
23A90	3	Copper Swaged Welding/Brazing
23A90	5	Copper Swaged Welding/Brazing
23A90	6	Copper Swaged Welding/Brazing
23A90	8	Copper Swaged Welding/Brazing
23A90	10	Copper Swaged Welding/Brazing

NOTE:

- 1) To suit E43, E43HC Mixers. Part of Professional Series.
- 2) Shown are the most popular sizes. Other sizes (up to 23A90 15) are available on request and subject to stock holdings.
- 3) Precision is also known as Contractors when in Kit form.



Brazing, Heating Tips

Propane/LPG/Natural Gas

The shape, performance and characteristics of the flame are affected/controlled in some way by the tip. **Harris** tips are designed and manufactured to give the very best flame with every tip flame tested to ensure quality and consistency.

	Size	Precision or Professional
0090	2N	Flexible Brazing Tip
0090	4N	Flexible Brazing Tip
0090	6N	Flexible Brazing Tip
0090	8N	Flexible Brazing Tip

THE END THAT BENDS

NOTE: To suit H192S, B191, B193 Mixer
Adaptor 430111 needed to suit B433, B436, B438 Mixer

	Size	Precision or Professional
1390	3N	Screw-in Brazing
1390	5N	Screw-in Brazing
1390	6N	Screw-in Brazing
1390	8N	Screw-in Brazing
1390	10N	Screw-in Brazing

Tip Tubes

DC50	For contractor handle - Fits H192E, H192S, B191, B193 Mixers
8593	For contractor handle - Fits E43, E43HC, B433, B436, B438 Mixers
TH119	Twin Tip Holder - Ideal for 0090 Flexible Tips



OXY/ACET

Gouging Tips

This range of Gouging Tips gives the end user terrific scope for repair or weld preparation. The quick starting and speed is a real feature of the design. It is often said **“The better the flame the better and easier the job”**. Never truer than with these tips.

Oxy/Acetylene To suit 492 Cutt. Att., 142& 623Torches

Size	Precision or Professional
6290 1G	Gouging 3 x 6mm
6290 2G	Gouging 5 x 10mm
6290 3G	Gouging 6 x 13mm



OXY/LPG

Oxy/Propane/LPG/Natural Gas To suit I492FHC, 492F Cutt. Att., 142& 623FLTorches

Size	Precision or Professional
6290 1GG	Gouging 3 x 6mm
6290 2GG	Gouging 5 x 10mm
6290 3GG	Gouging 6 x 13mm

Super Hi speed M. C. Tips Acetylene

Hi speed acetylene machine cutting tips specifically designed to enhance profile cutting with acetylene. Flat seating for less tip popping and ease of re-seating. Cutting steel quickly is the aim in profile cutting. The quality of the flame is a major factor in the process. Harris engineers spend considerable energy in perfecting flame shape, resulting in higher speeds, quality cutting and reduced gas costs.



VAX

Size	Acetylene Hi-Speed Cuts
6290 1VAX	0 - 8mm
6290 2VAX	8 - 15mm
6290 3VAX	15 - 35mm
6290 4VAX	35 - 75mm
6290 5VAX	75 - 150mm
6290 6VAX	150 - 200mm



Propane, LPG, Natural Gas

The **Harris** tip has become accepted world wide as “The Tip” for profile machine cutting. Flame shape, gas consumption, flame consistency and flat seating make this range an ideal choice for any business.

<i>Size</i>	
6290 50VVC	Hi-Speed Cuts 0 - 4mm
6290 40VVC	Hi-Speed Cuts 4 - 6mm
6290 30VVC	Hi-Speed Cuts 6 - 9mm
6290 20VVC	Hi-Speed Cuts 9 - 12.5mm

NOTE: The sizing of the above Tips is expressed in this manner rather than showing them as - eg. 6290-00000VVC. Tip and box only display size.

<i>Size</i>	
6290 0VVC	Hi-Speed Cuts 12.5 - 20mm
6290 0.5VVC	Hi-Speed Cuts 20 - 35mm
6290 1VVC	Hi-Speed Cuts 35 - 60mm
6290 1.5VVC	Hi-Speed Cuts 60 - 75mm
6290 2VVC	Hi-Speed Cuts 75 - 125mm
6290 2.5VVC	Hi-Speed Cuts 125 - 150mm
6290 3VVC	Hi-Speed Cuts 150 - 175mm
6290 4VVC	Hi-Speed Cuts 175 - 200mm
6290 5VVC	Hi-Speed Cuts 200 - 225mm
6290 5.5VVC	Hi-Speed Cuts 225 - 250mm
6290 6NH	Heavy Duty Cuts 250 - 275mm
6290 7NH	Heavy Duty Cuts 275 - 300mm
6290 8NH	Heavy Duty Cuts 300-380mm

TRAINING

Harris can conduct a professional, structured, profile cutting training course which will improve

- ▶ **Quality**
- ▶ **Increase Speed**
- ▶ **Lower Operation Costs**
- ▶ **Increase Staff Morale**

For further details contact your “local” Harris Distributor

Specialty Tips

These Tips have many uses and are an added benefit to the **Harris** Range. For many end users, rivet cutting, used for cutting brackets from bulkheads; rivet washing for a straight gouging tip, etc can enhance the use of the torch as a tool. Missing in photograph is our 8" long Tips, which are ideal in hard to reach places or in Profile machines cutting 'H' Beams.

To suit Professional Series

Size	Professional Series
6290 NFW	Rivet Washing
6290 2NFFR	Propane Rivet Cutting
6290 R	Acetylene Rivet Cutting
1501051	Professional Size 4NFFL 8" long Tip
1501053	Professional Size 2NFFL 8" long Tip
1501910	Jumbo Cutting Tip
1501920	Jumbo Cutting Tip
1501930	Jumbo Cutting Tip
1501940	Jumbo Cutting Tip
1501950	Jumbo Cutting Tip
1501960	Jumbo Cutting Tip
629000AA	Model 192 - Safety Regulator Cutting Tip
62900AA	Model 192 - Safety Regulator Cutting Tip
62901AA	Model 192 - Safety Regulator Cutting Tip
62902AA	Model 192 - Safety Regulator Cutting Tip
62903AA	Model 192 - Safety Regulator Cutting Tip
62904AA	Model 192 - Safety Regulator Cutting Tip



Flashguards

Flashguards/Checkvalves/Non-Return Valves

883AL1	Fuel Gas 5/8" Inlet/Outlet suit standard Australian Torches - all makes
883AR1	Oxy Gas 5/8" Inlet/Outlet suit standard Australian Torches - all makes
883AL	Fuel Gas 5/8" Hose End 9/16" Suit 432, 623, 142, 196.
883AR	Oxy Gas 5/8" Hose End 9/16" Suit 432, 623, 142, 196.
C98V2	Oxy Hi Flow valve for cutting oxy on Machine Cutting Torches



Shown attached to a handle