

# INDUSTRIAL GRADE STRAIGHT CUTTING TORCHES

PROFESSIONAL TOOLS...  
SUPERIOR RESULTS™

HARRIS

[www.harrisproductsgroup.com](http://www.harrisproductsgroup.com)

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## Introducing **NEW** 242V Torches from Harris



**100% Tested  
100% of the Time**

Look for the shield that guarantees  
the highest quality

*Professional Tools... Superior Results™*

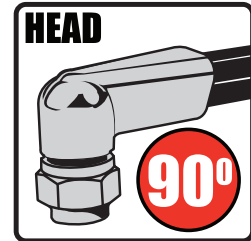
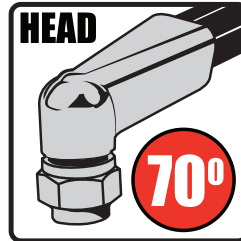
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**HARRIS**

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- For all fuel gases
- Cutting capacity up to 8" / 203.2mm
- UL Listed (pending)
- Meets CGA E.5 standards
- Rugged construction for heavy-duty application
- Spare parts and accessories readily available

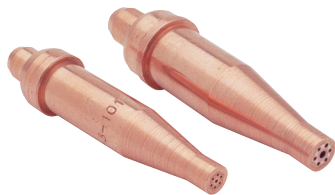


**Cuts  
to 8"**



**THE HARRIS  
242V**

### Oxy-Acetylene Cutting Tips



**V1-101 Oxy-Acetylene Tip Chart - One Piece**

| TIP SIZE | V1-101 TIPS<br>PART NO. | PLATE<br>THICKNESS<br>INCHES | OXYGEN<br>PRESSURE<br>PSIG | ACETYLENE<br>PRESSURE<br>PSIG | CUTTING<br>ORIFICE<br>DRILL SIZE |
|----------|-------------------------|------------------------------|----------------------------|-------------------------------|----------------------------------|
| 000      | 1502088                 | 1/8                          | 20-30                      | 5                             | #70                              |
| 00       | 1502089                 | 1/8-5/16                     | 20-30                      | 5                             | #69                              |
| 0        | 1502090                 | 5/16-5/8                     | 30-40                      | 7                             | #61                              |
| 1        | 1502091                 | 5/8-1                        | 40-50                      | 7                             | #56                              |
| 2        | 1502092                 | 1-2                          | 45-55                      | 8                             | #53                              |
| 3        | 1502093                 | 2-3                          | 50-60                      | 9                             | #50                              |
| 4        | 1502094                 | 3-4                          | 60-75                      | 10                            | #46                              |
| 5        | 1502095                 | 4-6                          | 70-80                      | 12                            | #39                              |
| 6*       | 1502096                 | 6                            | 75-80                      | 15                            | #31                              |

\*For optimal performance, use 3/8" I.D. hose for tip size 6 and larger

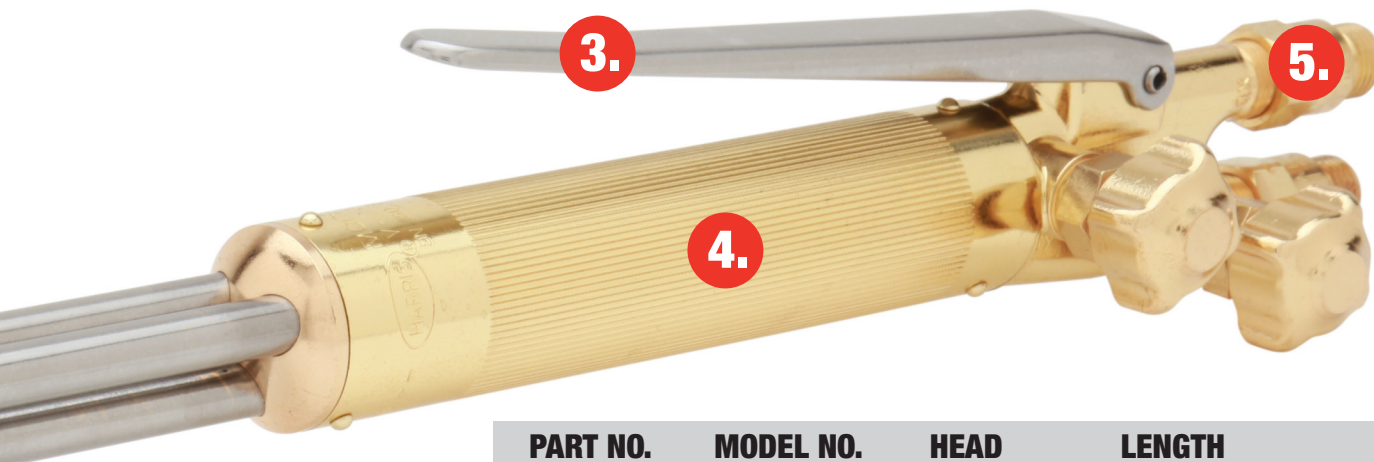
**V1-101 AC Oxy-Acetylene Tip Chart - Two Piece**

| TIP SIZE | V1-101 AC TIPS<br>PART NO. | PLATE<br>THICKNESS<br>INCHES | OXYGEN<br>PRESSURE<br>PSIG | ACETYLENE<br>PRESSURE<br>PSIG | CUTTING<br>ORIFICE<br>INCHES |
|----------|----------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|
| 000      | 1502069                    | 1/8                          | 20-25                      | 3-5                           | .031                         |
| 00       | 1502070                    | 1/8-1/4                      | 20-25                      | 3-5                           | .036                         |
| 0        | 1502071                    | 1/4-1/2                      | 25-35                      | 7                             | .040                         |
| 1        | 1502072                    | 1/2-3/4                      | 30-35                      | 3-5                           | .046                         |
| 2        | 1502073                    | 3/4-1 1/2                    | 35-45                      | 3-7                           | .059                         |
| 3        | 1502074                    | 1 1/2-3 1/2                  | 40-50                      | 4-10                          | .067                         |
| 4        | 1502075                    | 1 1/2-2 1/2                  | 40-50                      | 5-10                          | .093                         |
| 5        | 1502076                    | 2 1/2-3                      | 45-55                      | 5-13                          | .110                         |
| 6*       | 1502077                    | 5-8                          | 45-55                      | 7-14                          | .120                         |

\*For optimal performance, use 3/8" I.D. hose for tip size 6 and larger



# PROFESSIONAL TOOLS... SUPERIOR RESULTS™



| PART NO. | MODEL NO. | HEAD      | LENGTH        | WEIGHT            |
|----------|-----------|-----------|---------------|-------------------|
| 1003569  | V242L     | 90° Angle | 21" / 533.4mm | 2.99lbs / 1.356kg |
| 1003567  | V242AL    | 70° Angle | 21" / 533.4mm | 2.99lbs / 1.356kg |

## FEATURES

1. HEAD: Solid brass forged head withstands rough field handling and resists flashback damage, low profile for better visibility
2. TUBES: Triangular stainless steel tubes with brazed connections for added strength
3. LEVER: Stainless steel cutting oxygen lever for ease of operation and corrosion resistance
4. HANDLE: Non-slip grooves provide maximum comfort and control
5. CHECK VALVES: Easily replaceable Flashguard® check valves that prevent the reverse flow of gases for added safety
6. MIXER: Positive pressure mixer for use with acetylene and all other fuel gases

### 1-GPN and LP/Natural Gas Tip Chart - Two Piece

| TIP SIZE | 1-GPN TIPS<br>PART NO. | PLATE<br>THICKNESS<br>INCHES | OXYGEN<br>PRESSURE<br>PSIG | FUEL GAS**<br>PRESSURE<br>PSIG | CUTTING<br>ORIFICE<br>DRILL SIZE |
|----------|------------------------|------------------------------|----------------------------|--------------------------------|----------------------------------|
| 000      | 1502300                | 1/8                          | 20-25                      | 3-5                            | #71                              |
| 00       | 1502301                | 1/4                          | 20-25                      | 3-5                            | #67                              |
| 0        | 1502302                | 3/8-1/2                      | 25-35                      | 3-5                            | #60                              |
| 1        | 1502303                | 3/4                          | 30-35                      | 4-6                            | #56                              |
| 2        | 1502304                | 1-1 1/2                      | 35-45                      | 4-9                            | #53                              |
| 3        | 1502305                | 2-2 1/2                      | 40-50                      | 5-10                           | #50                              |
| 4        | 1502306                | 3                            | 45-50                      | 8-12                           | #45                              |
| 5        | 1502307                | 4-5                          | 45-55                      | 8-12                           | #39                              |
| 6*       | 1502308                | 6                            | 45-55                      | 10-15                          | #31                              |

\*\*Fuel gas pressure on Harris injector type torches should be 4oz - 2lbs.

\*For optimal performance, use 3/8" I.D. hose for tip size 6 and larger.



### Alternate Fuel Cutting Tips



### 1-GPP Propylene Tip Chart - Two Piece

| TIP SIZE | 1-GPP TIPS<br>PART NO. | PLATE<br>THICKNESS<br>INCHES | OXYGEN<br>PRESSURE<br>PSIG | FUEL GAS**<br>PRESSURE<br>PSIG | CUTTING<br>ORIFICE<br>DRILL SIZE |
|----------|------------------------|------------------------------|----------------------------|--------------------------------|----------------------------------|
| 000      | 1502317                | 1/8"                         | 20-25                      | 3-5                            | 71                               |
| 00       | 1502318                | 1/4"                         | 20-25                      | 3-5                            | 67                               |
| 0        | 1502319                | 3/8 - 1/2"                   | 25-35                      | 3-5                            | 60                               |
| 1        | 1502320                | 3/4"                         | 30-35                      | 4-6                            | 56                               |
| 2        | 1502321                | 1 - 1 1/2"                   | 35-45                      | 4-9                            | 53                               |
| 3        | 1502322                | 2 - 2 1/2"                   | 40-50                      | 5-10                           | 50                               |
| 4        | 1502323                | 3                            | 45-50                      | 8-12                           | 45                               |
| 5        | 1502324                | 4-5                          | 45-55                      | 8-12                           | 39                               |
| 6*       | 1502325                | 6-8                          | 45-65                      | 10-15                          | 31                               |

\*\*Fuel gas pressure on Harris injector type torches should be 4oz - 2lbs.

be 4oz - 2lbs. \*For optimal performance, use 3/8" I.D. hose for tip size 6 and larger.



# Regulator & Torch Safety Accessories

## Model 25 Single Stage Regulator

- One-piece encapsulated seat design with an internal filter and a PTFE teflon seat
- Chrome-plated bonnet with Forged brass body
- 2" dual scale gauges

Gauge Guards



4300140  
Fuel Gas

4300139  
Oxygen



| PART NO. | MODEL NO.   | GAS       | MAXIMUM INLET PSIG | DELIVERY PRESSURE RANGE PSIG | DELIVERY PRESSURE GAUGE PSIG | SUPPLY PRESSURE GAUGE PSIG | INLET CONNECTION | OUTLET CONNECTION |
|----------|-------------|-----------|--------------------|------------------------------|------------------------------|----------------------------|------------------|-------------------|
| 3000350  | 25-15C-300  | ACETYLENE | 500                | 0-15                         | 30                           | 400                        | CGA 300          | 9/16"-18 LH       |
| 3000380  | 25-15C-510  | ACETYLENE | 500                | 0-15                         | 30                           | 400                        | CGA 510          | 9/16"-18 LH       |
| 3000450  | 25-50C-510P | PROPANE*  | 500                | 0-50                         | 60                           | 400                        | CGA 510P         | 9/16"-18 LH       |
| 3000510  | 25-100C-540 | OXYGEN    | 3000               | 0-100                        | 150                          | 4000                       | CGA 540          | 9/16"-18 RH       |

\*Regulator designated for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.

## Harris Model 88-5 FBT Flash-Guard® Torch Flashback Arrestors

- Built-in check valves to prevent reverse flow of gases
- Steel sintered element to extinguishes flashback flame
- 9/16" - 18 threads. "B" size connections
- Flow Capacity cuts to 6" (NFF TIPS - #4)
- 100 Micron inlet filter helps keep dust and dirt out

Torch Type  
Model 88-5FBT (R&L)  
(P/N 4301650)  
Sold in pairs only



E-9 TIP  
Two Piece Tip Cleaner  
P/N: 9000160

C-9 TIP  
One Piece Tip Cleaner  
P/N: 9000156