



CREATING A BETTER  
EXPERIENCE



# **PHDX<sup>TM</sup>**

## **HIGH DENSITY PLASMA TORCHES & CONSUMABLES**



**LINCOLN<sup>®</sup> (KALIBURN<sup>®</sup>) Style**

Compatible with  
**SPIRIT<sup>®</sup> 275/400**  
**PROLINE<sup>™</sup> 2200/2600 SYSTEMS**

## 70 - 400 AMP TORCH KITS

| Part #               | Amp | Power Supply | Plasma Gas     | Shield Gas | Material   | Notes            | CleanCut™ Technology |
|----------------------|-----|--------------|----------------|------------|------------|------------------|----------------------|
| 90-070-L<br>90-070-R | 70  | 275          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |
| 90-100-L<br>90-100-R | 100 | 275          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |
| 90-150-L<br>90-150-R | 150 | 275          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |
| 90-200-L<br>90-200-R | 200 | 275          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |
| 90-275-L<br>90-275-R | 275 | 275          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |
| 90-400-L<br>90-400-R | 400 | 400          | O <sub>2</sub> | Air        | Mild Steel | Standard Cutting | ✓                    |

### PLASMA HIGH DENSITY

#### LOWER OPERATING COSTS

- Bevel less than 2°
- Minimal dross

#### LIFETIME WARRANTY

- The best torch warranty in the industry

#### MADE IN THE USA

- Engineered to stringent tolerances

#### QUALITY CHECKED

- All consumables are tested for dimensional accuracy

#### LIQUID COOLED SHIELD

- Provides a higher consumable life and higher piercing capability



| Qty | Parts                     |
|-----|---------------------------|
| 1   | Torch Body                |
| 10  | Electrodes                |
| 10  | Nozzles                   |
| 2   | Swirl Rings               |
| 1   | Nozzle Retaining Cap      |
| 2   | Shields                   |
| 1   | Shield Cap                |
| 1   | Consumables Removal Tool  |
| 1   | Water Tube Removal Tool   |
| 1   | 1/4 oz. Silicon Lubricant |
| 1   | O-ring Kit                |

### CLEANCUT™ TECHNOLOGY

#### Upgrade Your Consumables

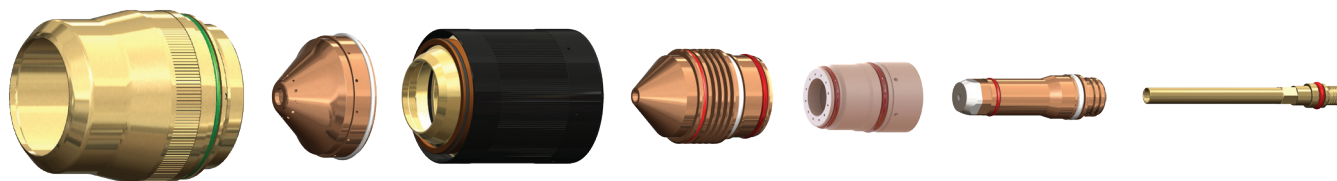
CleanCut™'s patented nozzle and electrode allow your consumables to run longer and cut cleaner making for less downtime and post grind clean-up.

#### Learn more at:

[AmericanTorchTip.com/cleancut](http://AmericanTorchTip.com/cleancut)

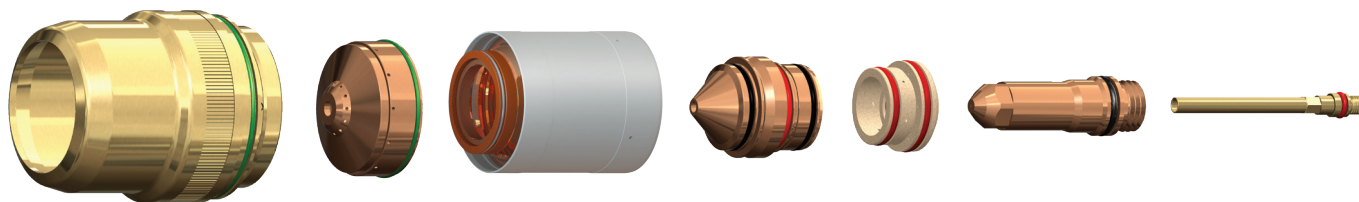


## 50 - 400 AMP CONSUMABLES



400 amp Mild Steel consumables illustrated above

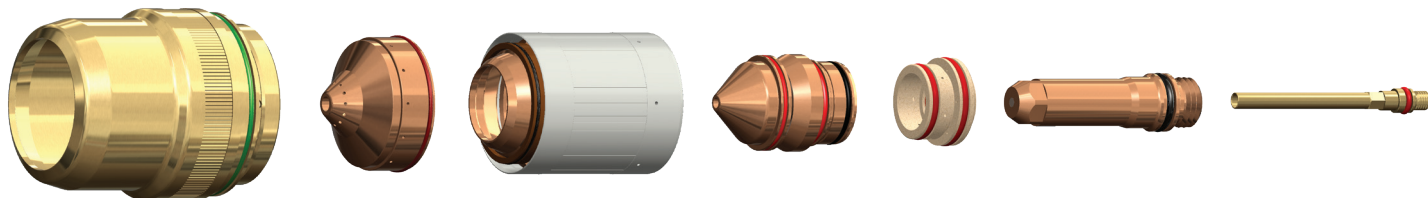
| Mild Steel  |            |         |                      |         |            |           |                     |            |
|-------------|------------|---------|----------------------|---------|------------|-----------|---------------------|------------|
| Amp         | Shield Cap | Shield  | Nozzle Retaining Cap | Nozzle  | Swirl Ring | Electrode | CleanCut™ Electrode | Water Tube |
| 50 A        | 90-0747    | 90-0555 | 90-0754              | 90-0554 | 90-0553    | 90-0552   |                     | 90-0340    |
| 70 A        | 97-0200    | 97-0246 | 97-1365              | 97-0243 | 90-0179    | 97-0240   |                     | 90-0700    |
| 100 A       | 97-0200    | 97-0255 | 97-1365              | 97-0252 | 90-0179    |           | 97-0249             | 90-0700    |
| 150 A       | 97-0200    | 97-0513 | 97-1365              | 97-0261 | 90-0405    |           | 97-0258             | 90-0700    |
| 200 A       | 97-0200    | 97-0513 | 97-1365              | 97-0261 | 90-0405    |           | 97-0258             | 90-0700    |
| 275 A       | 97-0200    | 97-0491 | 97-0365              | 97-0279 | 90-0436    |           | 97-0276             | 90-0571    |
| 400 A       | 97-0200    | 97-4002 | 97-0365              | 90-0632 | *220631    |           | 90-0530             | 90-0571    |
| 70 A bevel  | 90-0637    | 90-0742 | *220845              | 90-0806 | 90-0179    | 90-0802   |                     | 90-0700    |
| 150 A bevel | 97-0200    | 97-0513 | 97-1365              | 97-0261 | 90-0405    |           | 97-0258             | 90-0700    |
| 275 A bevel | 97-0200    | 90-0491 | 97-0365              | 97-0279 | 90-0436    |           | 97-0276             | 90-0571    |
| 400 A bevel | 97-0200    | 97-4002 | 97-0365              | 90-0632 | *220631    |           | 90-0530             | 90-0571    |



275 amp Stainless Steel consumables illustrated above

| Stainless Steel |            |         |                                            |         |            |           |            |
|-----------------|------------|---------|--------------------------------------------|---------|------------|-----------|------------|
| Amp             | Shield Cap | Shield  | Nozzle Retaining Cap                       | Nozzle  | Swirl Ring | Electrode | Water Tube |
| 50 A            | 90-0747    | 90-0202 | 90-0755                                    | 90-0201 | 90-0180    | 90-0308   | 90-0340    |
| 70 A            | 90-0747    | 90-0338 | 90-0755                                    | 90-0337 | 90-0179    | 90-0339   | 90-0340    |
| 100 A           | 90-0747    | 90-0198 | 90-0755 (H35)<br>90-0756 (N <sub>2</sub> ) | 90-0197 | 90-0179    | 90-0307   | 90-0340    |
| 200 A           | 90-0637    | 90-0762 | *220758                                    | 90-0343 | 90-0342    | 90-0307   | 90-0340    |
| 275 A           | 90-0637    | 90-0763 | *220758                                    | 90-0406 | 90-0405    | 90-0307   | 90-0340    |
| 400 A           | 90-0637    | 90-0707 | *220712                                    | 90-0708 | 90-0405    | 90-0709   | 90-0571    |
| 150 A bevel     | 90-0637    | 90-0738 | *220739                                    | 90-0656 | 90-0179    | 90-0606   | 90-0571    |
| 275 A bevel     | 90-0637    | 90-0738 | *220739                                    | 90-0607 | 90-0405    | 90-0606   | 90-0571    |

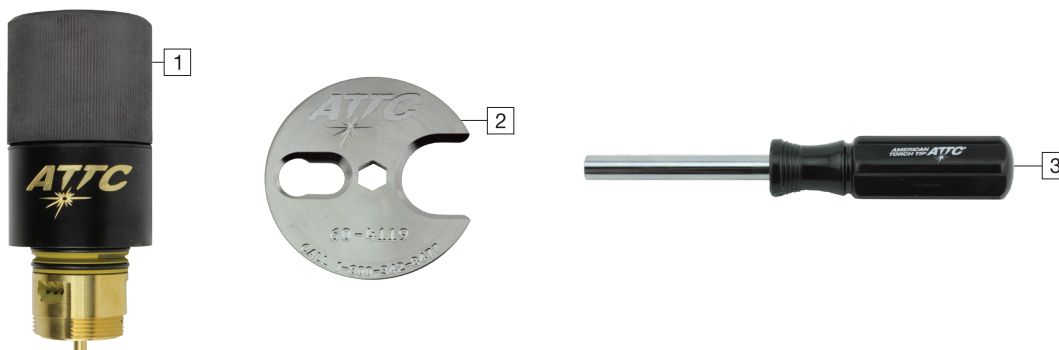
## 45 - 400 AMP CONSUMABLES



275 amp Aluminum consumables illustrated above

| Aluminum |            |         |                                |         |            |                                |            |
|----------|------------|---------|--------------------------------|---------|------------|--------------------------------|------------|
| Amp      | Shield Cap | Shield  | Nozzle Retaining Cap           | Nozzle  | Swirl Ring | Electrode                      | Water Tube |
| 45 A     | 90-0747    | 90-0202 | 90-0756                        | 90-0201 | 90-0180    | 90-0308                        | 90-0340    |
| 130 A    | 90-0747    | 90-0198 | 90-0755 (H35)<br>90-0756 (Air) | 90-0197 | 90-0179    | 90-0307 (H35)<br>90-0181 (Air) | 90-0340    |
| 200 A    | 90-0637    | 90-0672 | *220759                        | 90-0346 | 90-0342    | 90-0307                        | 90-0340    |
| 275 A    | 90-0637    | 90-0763 | *220758                        | 90-0406 | 90-0405    | 90-0307                        | 90-0340    |
| 400 A    | 90-0637    | 90-0707 | *220712                        | 90-0708 | 90-0405    | 90-0709                        | 90-0571    |

## PHDX™ PARTS & ACCESSORIES



| Pos | Part #    | Desc                                    |
|-----|-----------|-----------------------------------------|
| 1   | 52-0706-L | Torch body - Left Handed                |
| 1   | 52-0706-R | Torch body - Right Handed               |
| 2   | 60-4119   | Consumable tool                         |
| 3   | 60-0000   | Water tube tool                         |
|     | 90-8879   | Torch kit: O-rings, Water tube, Seal    |
|     | 90-8880   | Quick disconnect kit: O-ring, Connector |

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