

# Hypertherm®

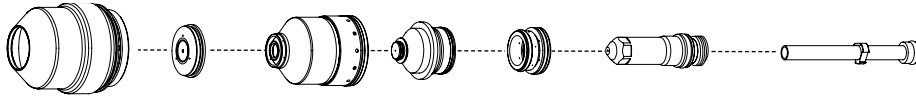
## HyPerformance® Plasma

### HPR400xd®



## Consumables

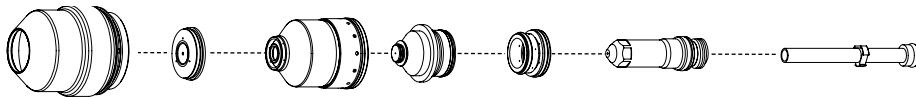
### Mild steel



|                     | Shield cap | Shield | Nozzle retaining cap | Nozzle | Swirl ring | Electrode | SilverPlus | Water tube |
|---------------------|------------|--------|----------------------|--------|------------|-----------|------------|------------|
| <b>30 A</b>         | 220747     | 220194 | 220754               | 220193 | 220180     | 220192    | ————       | 220340     |
| <b>50 A</b>         | 220747     | 220555 | 220754               | 220554 | 220553     | 220552    | ————       | 220340     |
| <b>80 A</b>         | 220747     | 220189 | 220756               | 220188 | 220179     | 220187    | ————       | 220340     |
| <b>130 A</b>        | 220747     | 220183 | 220756               | 220182 | 220179     | 220181    | 220665     | 220340     |
| <b>200 A</b>        | 220637     | 220761 | 220757               | 220354 | 220353     | 220352    | 220666     | 220340     |
| <b>260 A</b>        | 220637     | 220764 | 220760               | 220439 | 220436     | 220435    | 220668     | 220340     |
| <b>400 A</b>        | 220637     | 220636 | 220635               | 220632 | 220631     | 220629    | ————       | 220571     |
| <b>80 A bevel</b>   | 220637     | 220742 | 220845               | 220806 | 220179     | 220802    | ————       | 220700     |
| <b>130 A bevel</b>  | 220637     | 220742 | 220740               | 220646 | 220179     | 220649    | ————       | 220700     |
| <b>200 A bevel</b>  | 220637     | 220658 | 220845               | 220659 | 220353     | 220662    | ————       | 220700     |
| <b>260 A bevel</b>  | 220637     | 220741 | 220740               | 220542 | 220436     | 220541    | ————       | 220571     |
| <b>*260 A bevel</b> | 220637     | 220897 | 220896               | 220898 | 220436     | 220899    | ————       | 220571     |
| <b>400 A bevel</b>  | 220637     | 220636 | 220635               | 220632 | 220631     | 220629    | ————       | 220571     |

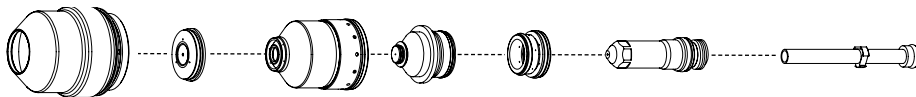
\* Recommended for use if you have a problem with excessive slag, or problems with the torch misfiring, when using standard bevel consumables.

### Stainless steel



|                    | Shield cap | Shield | Nozzle retaining cap     | Nozzle | Swirl ring | Electrode | Water tube |
|--------------------|------------|--------|--------------------------|--------|------------|-----------|------------|
| <b>45 A</b>        | 220747     | 220202 | 220755                   | 220201 | 220180     | 220308    | 220340     |
| <b>60 A HDi</b>    | 220747     | 220815 | 220814                   | 220847 | 220180     | 220339    | 220340     |
| <b>80 A</b>        | 220747     | 220338 | 220755                   | 220337 | 220179     | 220339    | 220340     |
| <b>130 A</b>       | 220747     | 220198 | 220755 (H35)             | 220197 | 220179     | 220307    | 220340     |
|                    |            |        | 220756 (N <sub>2</sub> ) |        |            |           |            |
| <b>200 A</b>       | 220637     | 220762 | 220758                   | 220343 | 220342     | 220307    | 220340     |
| <b>260 A</b>       | 220637     | 220763 | 220758                   | 220406 | 220405     | 220307    | 220340     |
| <b>400 A</b>       | 220637     | 220707 | 220712                   | 220708 | 220405     | 220709    | 220571     |
| <b>130 A bevel</b> | 220637     | 220738 | 220739                   | 220656 | 220179     | 220606    | 220571     |
| <b>260 A bevel</b> | 220637     | 220738 | 220739                   | 220607 | 220405     | 220606    | 220571     |
| <b>400 A bevel</b> | 220637     | 220707 | 220712                   | 220708 | 220405     | 220709    | 220571     |

### Aluminum



|              | Shield cap | Shield | Nozzle retaining cap | Nozzle | Swirl ring | Electrode    | Water tube |
|--------------|------------|--------|----------------------|--------|------------|--------------|------------|
| <b>45 A</b>  | 220747     | 220202 | 220756               | 220201 | 220180     | 220308       | 220340     |
| <b>130 A</b> | 220747     | 220198 | 220755 (H35)         | 220197 | 220179     | 220307 (H35) | 220340     |
|              |            |        | 220756 (Air)         |        |            | 220181 (Air) |            |
| <b>200 A</b> | 220637     | 220762 | 220759               | 220346 | 220342     | 220307       | 220340     |
| <b>260 A</b> | 220637     | 220763 | 220758               | 220406 | 220405     | 220307       | 220340     |
| <b>400 A</b> | 220637     | 220707 | 220712               | 220708 | 220405     | 220709       | 220571     |



### TECHNOLOGIES

**Advanced Axial Swirl Ring**  
**Chambered Swirl Ring**  
**Conical Flow™**  
**CoolCore™**  
**CoolFlow™**  
**HyDefinition®**  
**HyLife®**  
**LongLife™**  
**PowerPierce™**  
**SilverPlus®**  
**TrueFlow™**  
**Vented Shield**  
**HDi**

# HyPerformance® Plasma HPR400XD®

## Torch assembly options



### Standard leads

| Lead length | Part number |        |
|-------------|-------------|--------|
|             | 6' gas      | 8' gas |
| 2 m (6')    | 228291      | 228410 |
| 3 m (10')   | 228292      | 228411 |
| 4.5 m (15') | 228293      | 228412 |
| 6 m (20')   | 228294      | 228413 |
| 7.5 m (25') | 228295      | 228414 |
| 10 m (35')  | 228296      | 228415 |
| 15 m (50')  | 228297      | 228416 |
| 20 m (65')  | 228547      | 228516 |

### Robotic/Bevel leads

| Lead length | Part number |        |
|-------------|-------------|--------|
|             | 6' gas      | 8' gas |
| 2 m (6')    | 228514      | 228516 |
| 2.4 m (8')  | 228515      | 228517 |
| 3 m (10')   | 228475      | 228482 |
| 3.6 m (12') | 228476      | 228483 |
| 4.5 m (15') | 228477      | 228484 |
| 6 m (20')   | 228478      | 228485 |
| 7.5 m (25') | 228479      | 228486 |
| 10 m (35')  | 228480      | 228487 |
| 15 m (50')  | 228481      | 228488 |

### Mounting sleeves

| Description | Length         | Diameter     | Part number |
|-------------|----------------|--------------|-------------|
| Standard    | 181 mm (7")    | 50.8 mm (2") | 220789      |
| Short       | 114 mm (4.5")  | 50.8 mm (2") | 220788      |
| Extended    | 248 mm (9.75") | 50.8 mm (2") | 220790      |
| Rotational  | 146 mm (5.5")  | 50.8 mm (2") | 220864      |

### Quick-disconnect receptacle

220705

### HyPerformance HPRXD torch

220706

### Additional parts available (not shown)

|                                                  |                                      |        |
|--------------------------------------------------|--------------------------------------|--------|
| Mild steel consumables starter kit               | (All amps, mild steel)               | 228367 |
| Aluminum/Stainless steel consumables starter kit | (All amps, aluminum/stainless steel) | 228368 |
| Torch kit, o-rings, water tube                   |                                      | 128879 |
| Quick-disconnect kit, o-ring and connector       |                                      | 128880 |
| Consumables removal tool                         |                                      | 104119 |
| Silicon lubricant for o-rings                    |                                      | 027055 |

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Leads



Mounting sleeve



Quick-disconnect receptacle



HyPerformance HPRXD torch