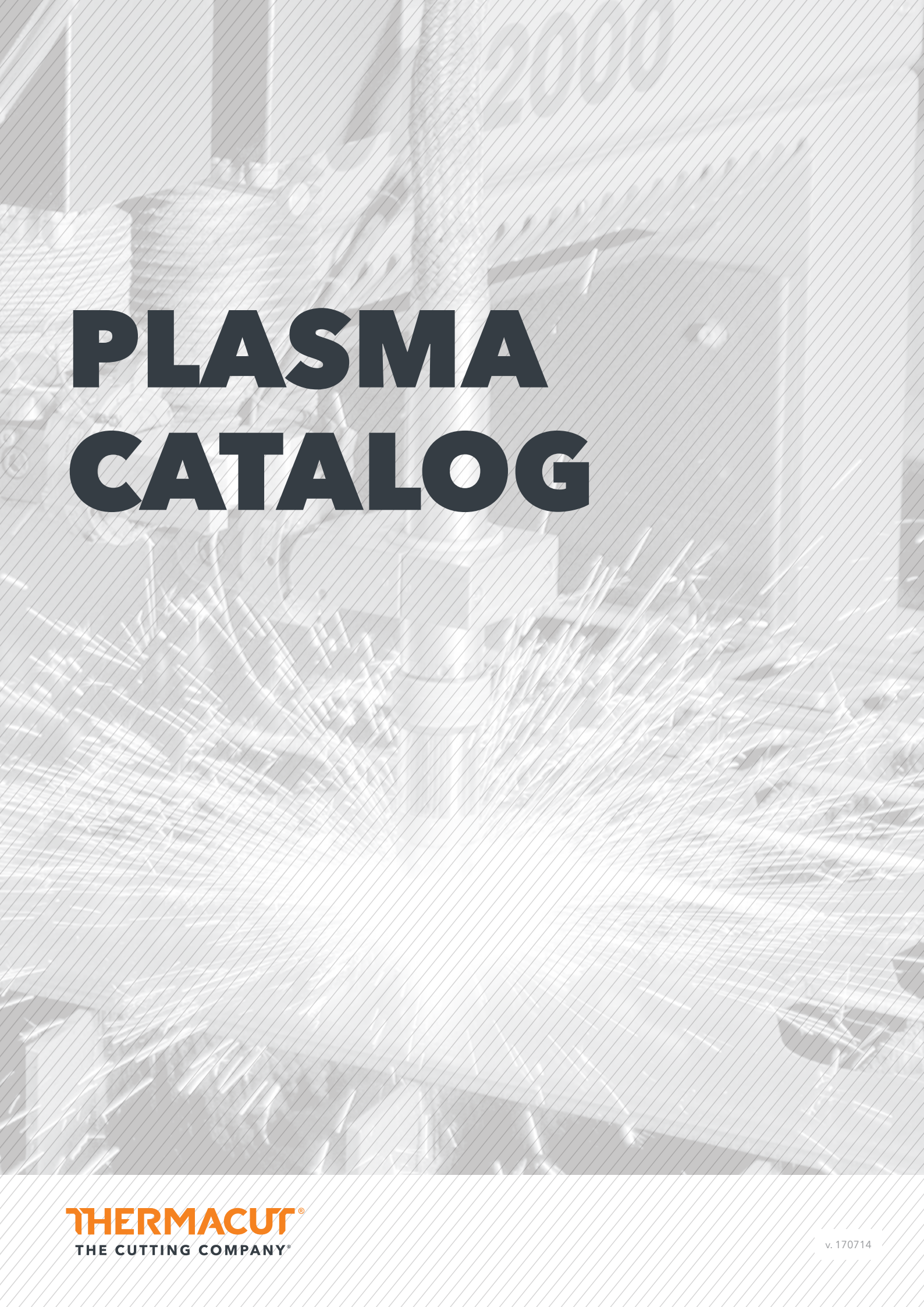


A grayscale background image showing a plasma cutting process. A bright, intense light is visible at the point where the plasma torch meets the metal workpiece, creating a shower of sparks. The background is slightly blurred, focusing attention on the cutting action.

# **PLASMA CATALOG**



# A PROGRESSIVE COMPANY FOR AN EVOLVING MARKET

Over a period of 22 years the Thermacut Group has undergone a multitude of changes. Thermacut (originally Tatra Imports Inc.) was incorporated in Claremont, New Hampshire in 1990 and sold under the brand ZAP Plasmatherm, a reseller of plasma consumables from local vendors directly to end-users. The company began operating with three employees, conducting business through telephone sales. In 1992, the company opened a small manufacturing facility and a sales office in the Czech Republic in 1996 to produce and sell plasma consumables and torches directly into the Eastern European market and through distributors in Western Europe under the brand name Thermacut utilizing both inside and outside sales representatives. And in 1993 the Thermacut brand was introduced into North America and sold through distributors.

In January of 1999 STK Gesellschaft für Schweißtechnik mbH (a holding company 100% owned by the IBG Group of Cologne Germany) purchased 80% of the shares of Thermacut and in 2002 completed the acquisition to become the 100% shareholder of the Thermacut Group.

Since those early and humble beginnings, Thermacut has evolved into a major force in providing plasma torches and consumables through multiple sales channels supported by fourteen sales subsidiaries and with a close partnership with Abicor-Binzel (an IBG owned company) with locations in India, the Middle East, Turkey and Scandinavia. Based on customer demand Thermacut has also introduced TIG/WIG, MIG/MAG and Oxy-fuel products and produces those products at its modern ISO 9001 production facility located in Uherske Hradiste of the Czech Republic.

The Thermacut Group has focused its efforts in providing high quality direct replacement consumable and torch product lines that would meet or exceed the expectations of our valued customers, cutting and welding metals thermally throughout the world. But as our customer base expanded, their expectations and demands also increased, where in 2005 Thermacut expanded its product portfolio with the addition of advanced

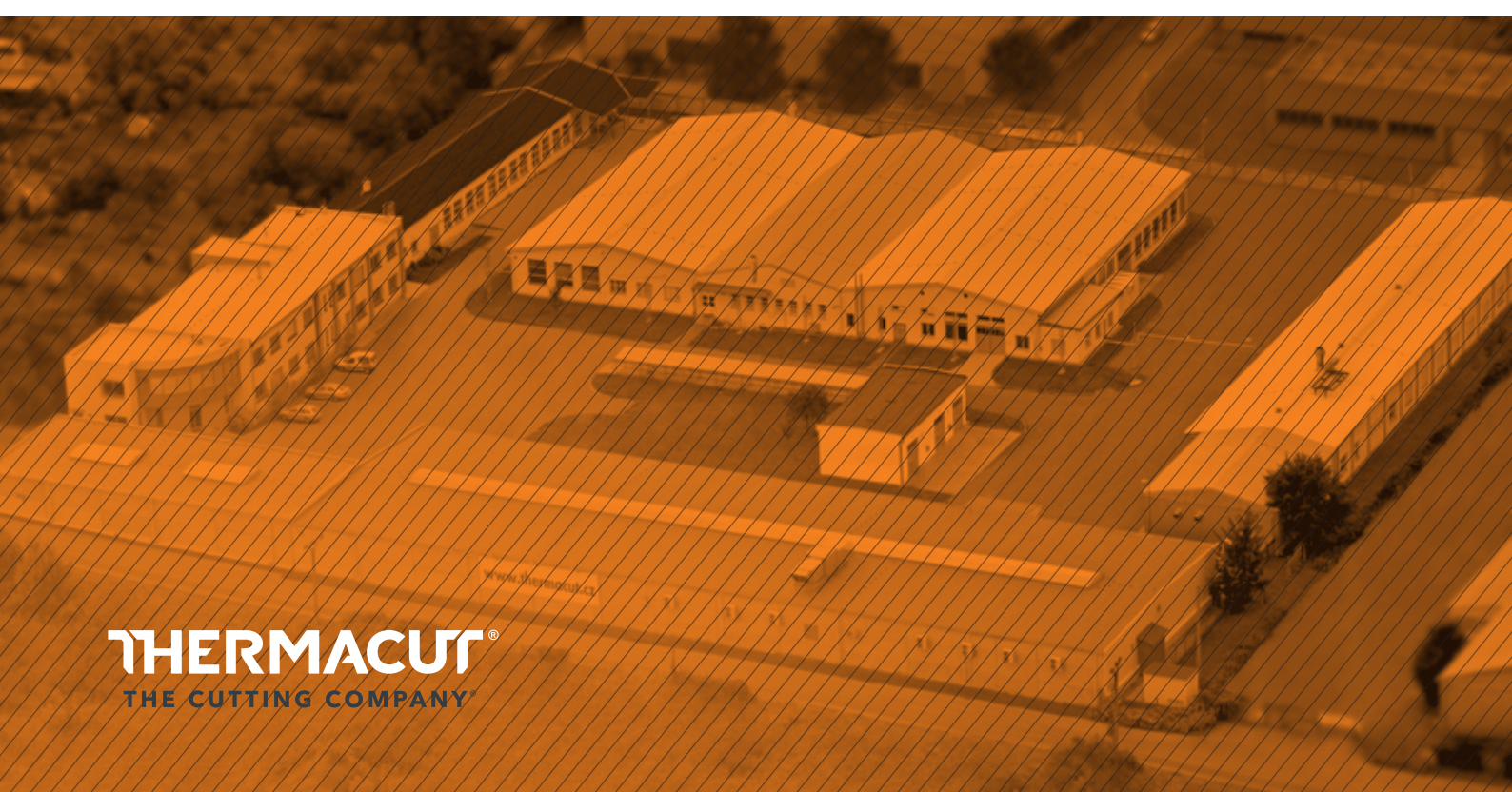
consumables, which have included products such as the Silver Plus™, Silver Pro™ and Silver EX-™ electrodes, plus the patented Tungsten EX-™ nozzles. At that time to signify our advanced products offerings we also updated our corporate image, introducing a new logo, a new orange and black color scheme, and a new slogan: "Advanced Consumables" and a mission to be the Providers of Advanced Cutting and Welding Consumables Worldwide.

Now we as move into the year 2013, the Thermacut Group continue to expand and evolve in the thermal cutting and welding marketplace. In December of 2012 the Thermacut Group concluded the purchase of the HOLMA® AG, a producer of premium quality laser consumables, which will enhance our customer's ongoing requests for a high quality laser consumable brand and a further expansion of Thermacut's plasma cutting and oxy-fuel consumable product portfolio.

In September 2013 at the SCHWEISSEN & SCHNEIDEN Exposition, the Thermacut Group is evolving once again with the introduction of a line of plasma cutting systems for both manual and mechanized plasma processes up to 65 mm thickness. The initial introduction will feature both a 105 and a 125 amp system. Thermacut will also have the 65 and 85 amp systems on display.

During 2014 the complete line of plasma systems will be rolled out on a planned basis, which will range from 30 amps to 125 amps. This change will mark a major commitment to our valued customers throughout the world and thrust Thermacut into the ranks of a full line plasma OEM.

Recognizing this continuing evolution is important, so the Thermacut Group will update its' logo, change its' slogan to "The Cutting Company" and further its' mission by becoming a "Global Provider of Thermal Cutting Technology".



**THERMACUT®**  
THE CUTTING COMPANY™

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HYPERTHERM®, PAC110®, PAC121®, PAC120®, PAC135®, PAC140®, PAC130®, PAC160®, PAC105®, PAC110®, PAC110T®, PAC121T/M®, PAC125T/M®, PAC135T/M®, PAC123T®, PAC123M®, PAC125T®, PAC130/M®, PAC140/M®, PAC160/E®, T60®/T60M®/T80®, T80M®/T100®/T100M®/MAX200®/HT2000®/HT400®, PAC170®/PAC620®/PAC600®/PAC500®/HT4400®, T30v®, T45v®, T45m®, PAC182®/PAC184®/PAC185®/PAC186®, MAX20®, MAX40CS®, MAX42®, MAX43®, MAX40®, HT40®, MAX70®, MAX80®, MAX100®, MAX100D®, POWERMAX30®, POWERMAX45®, POWERMAX190c®, POWERMAX350®, POWERMAX380®, POWERMAX600®, POWERMAX800®, POWERMAX900®, POWERMAX1000®, POWERMAX1100®, POWERMAX1250®, POWERMAX1650®, HT4000®, HT4001®, PAC600®, PAC500®, PAC620®, HT4400®, HD1070®, HD3070®, HPR130®, HPR260®, HPR130XD®, HPR260XD®, HPR400XD®, HySpeed®, HSD130™, HyPro2000™, HT2000®, MAX200® are the Registered Trademarks of Hypertherm, Inc.



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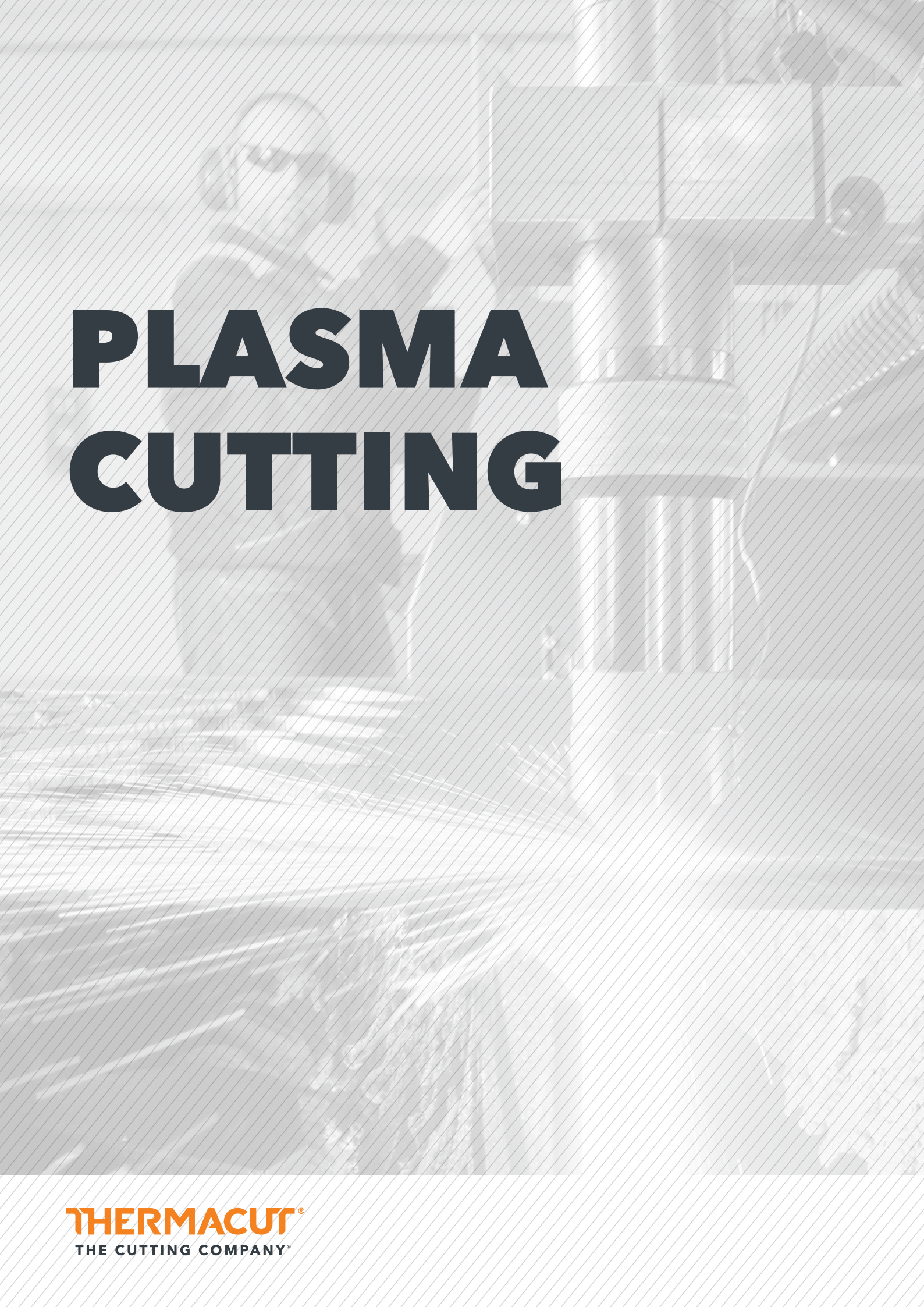
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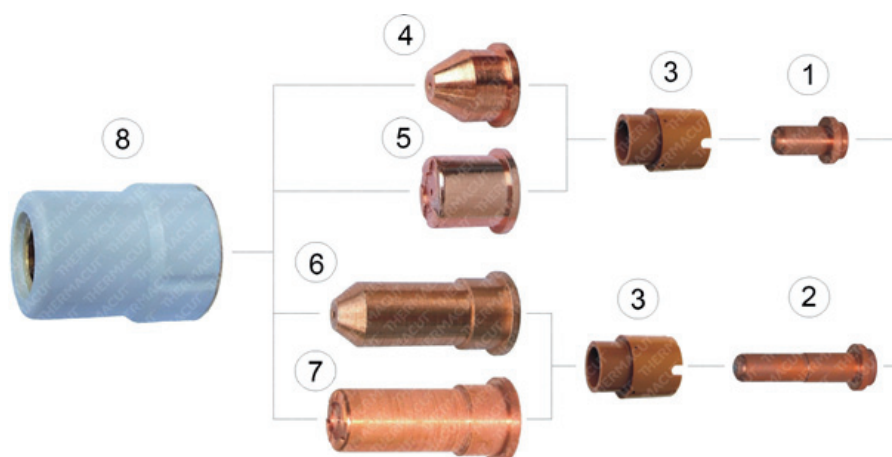
A grayscale photograph of a worker wearing a protective mask and gloves, operating a plasma cutting machine. The worker is positioned in the background, and the machine's torch is visible in the foreground, cutting through a metal plate. The entire image is overlaid with a diagonal line pattern.

# PLASMA CUTTING



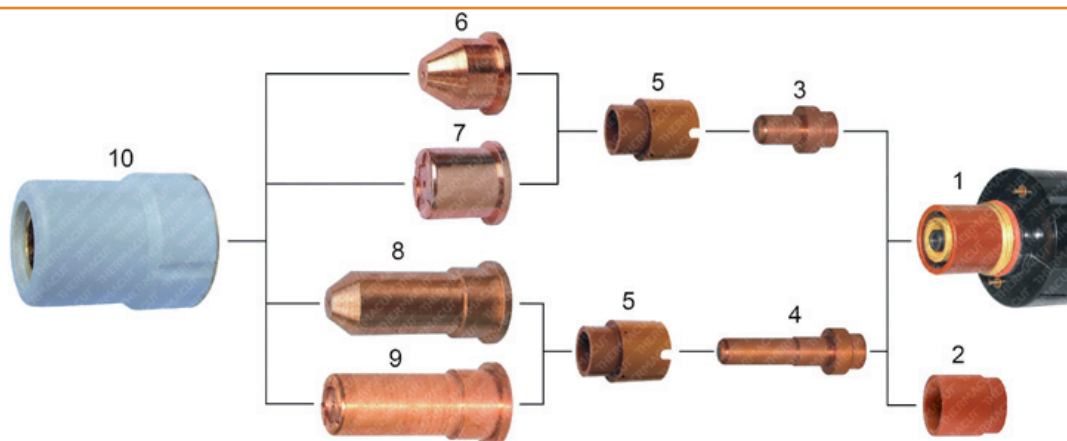
# REPLACEMENT PARTS SUITABLE FOR CEBORA®

## HP041®



| Item | Part No. | Description     | Ref. No. | Item | Part No. | Description          | Ref. No. |
|------|----------|-----------------|----------|------|----------|----------------------|----------|
| 1.   | T-0393   | Electrode       | 1520     | 5.   | T-0388   | Nozzle               | 1304     |
| 2.   | T-0394   | Electrode, Long | 1519     | 6.   | T-0391   | Nozzle, Long Conical | 1306     |
| 3.   | T-0392   | Swirl Ring      | 1510     | 7.   | T-0390   | Nozzle, Long         | 1370     |
| 4.   | T-0389   | Nozzle Conical  | 1305     | 8.   | T-0387   | Retaining Cap        | 5710120  |

## P50®



| Item | Part No. | Description          | Ref. No. | Item                                                | Part No. | Description                 | Ref. No. |
|------|----------|----------------------|----------|-----------------------------------------------------|----------|-----------------------------|----------|
| 1.   | T-0399   | Torch Body - Hand    | 1352     |                                                     | T-1871   | Nozzle, Long Life           | 1396     |
|      | T-5439   | Torch Body - Machine | MP50     | 8.                                                  | T-0391   | Nozzle, Long, Conical       | 1306     |
| 2.   | PT-10428 | Torch Insulator      | 1352-4   | 9.                                                  | T-0390   | Nozzle, Long                | 1370     |
| 3.   | T-0397   | Electrode            | 1521     |                                                     | T-2979   | Nozzle, Long, Long Life     | 1395     |
| 4.   | T-0398   | Electrode, Long      | 1518     | 10.                                                 | T-0396   | Retaining Cap               | 5710121  |
| 5.   | T-0392   | Swirl Ring           | 1510     | NS                                                  | KT-1316  | HP50®, HP70® Cable Leads 6m | 1344     |
| 6.   | T-0389   | Nozzle Conical       | 1305     | Different types of cable leads available on request |          |                             |          |
| 7.   | T-0388   | Nozzle               | 1304     |                                                     |          |                             |          |

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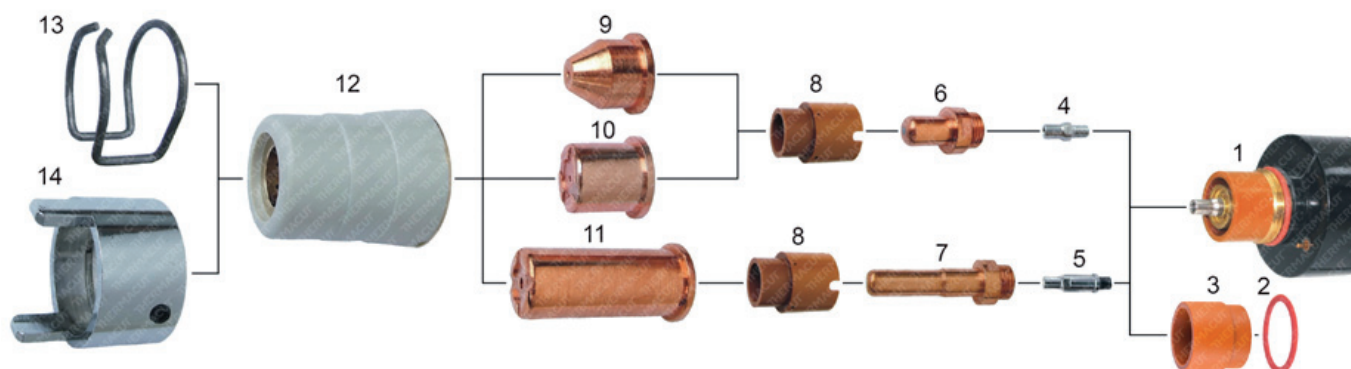
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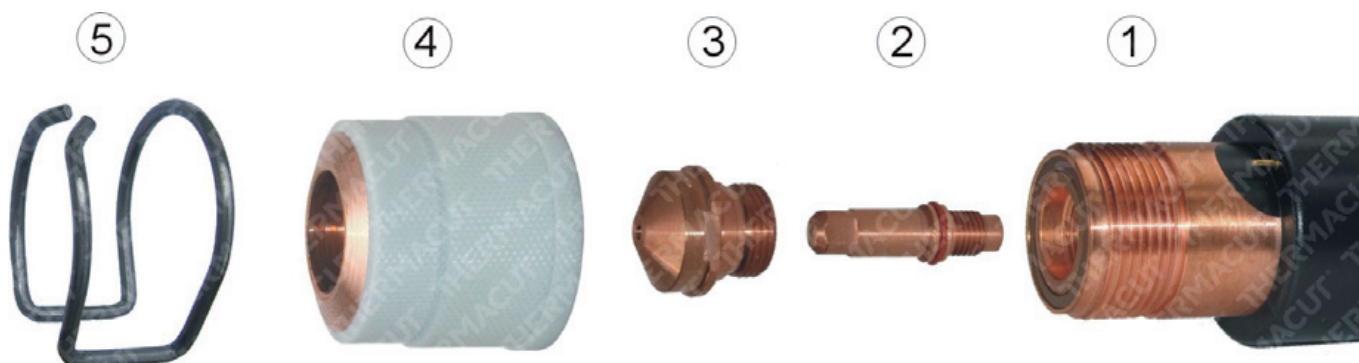
# REPLACEMENT PARTS SUITABLE FOR CEBORA®

## P70®



| Item | Part No. | Description          | Ref. No.   | Item                                                | Part No. | Description                             | Ref. No. |
|------|----------|----------------------|------------|-----------------------------------------------------|----------|-----------------------------------------|----------|
| 1.   | T-1868   | Torch Body - Hand    | 1351       | 10.                                                 | T-4100   | Nozzle                                  | 1308     |
|      | T-1867   | Torch Body - Machine | 1349       |                                                     | T-1871   | Nozzle, Long Life                       | 1396     |
| 2.   | T-5428   | O - Ring             | 3.160067   | 11.                                                 | T-2979   | Nozzle, Long, Long Life                 | 1395     |
| 3.   | T-8757   | Torch Insulator      | 1351-4     | 12.                                                 | T-5429   | Nozzle Retaining Cap                    | 5710171  |
| 4.   | T-5426   | Air Diffuser         | 3.065204   | 13.                                                 | T-5402   | Spacer Spring                           | 1394     |
| 5.   | PT-10415 | Air Diffuser, Long   | 1351-1     | 14.                                                 | T-5404   | Double Pointed Spacer                   | 1405     |
| 6.   | T-1872   | Electrode            | 1402       | NS                                                  | KT-1316  | HP50®, HP70® Cable Leads 6m             | 1344     |
| 7.   | T-5403   | Electrode, Long      | 1403(1368) | NS                                                  | KT-1197  | HP70® Torch w/ Leads 6m w/ centr. conn. | 1573     |
| 8.   | T-0392   | Swirl Ring           | 1510       | Different types of cable leads available on request |          |                                         |          |
| 9.   | T-0389   | Nozzle, Conical      | 1305       |                                                     |          |                                         |          |

## CP200®



| Item | Part No. | Description    | Ref. No. | Item | Part No. | Description    | Ref. No. |
|------|----------|----------------|----------|------|----------|----------------|----------|
| 1.   | T-5440   | Machine Torch  | 1357     |      | T-5422   | Nozzle, 1.6 mm | 1844     |
| 2.   | T-9688   | Electrode      | 1367     |      | T-5423   | Nozzle, 1.8 mm | 1845     |
| 3.   | T-5420   | Nozzle, 1.0 mm | 1842     | 4.   | T-5424   | Shield Cap     | 1905     |
|      | T-5421   | Nozzle, 1.3 mm | 1843     | 5.   | T-0400   | Spacer Spring  | 1386     |

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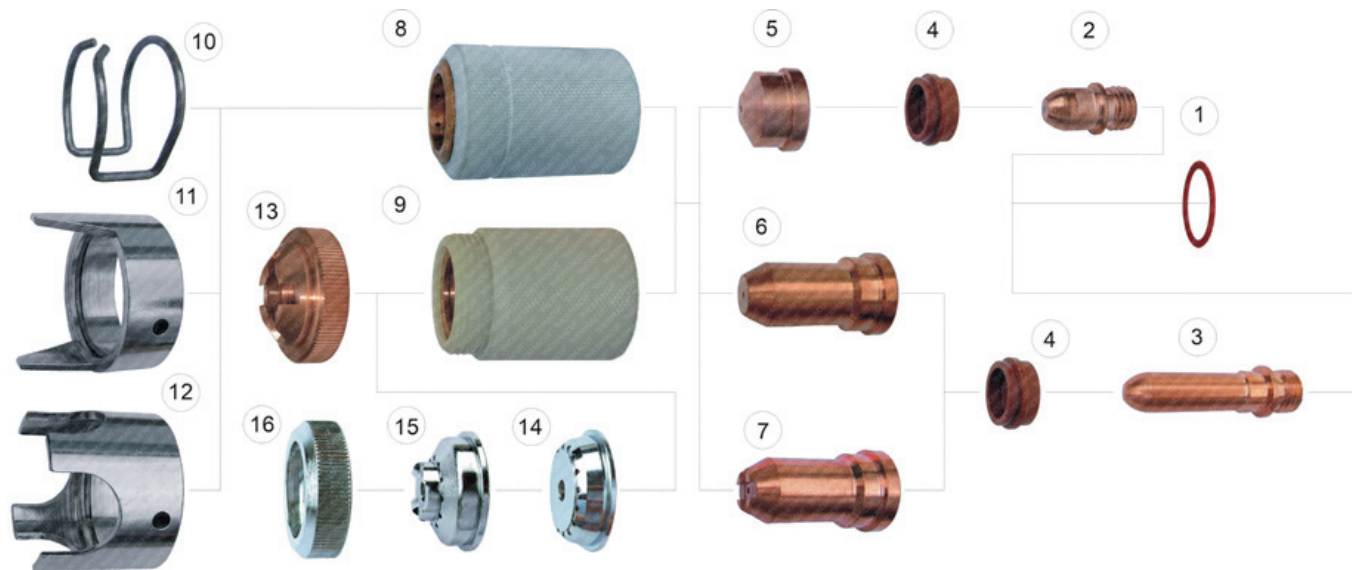
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# REPLACEMENT PARTS SUITABLE FOR CEBORA®

HP100®, MP100®



| Item | Part No. | Description              | Ref. No. | Item | Part No. | Description                       | Ref. No. |
|------|----------|--------------------------|----------|------|----------|-----------------------------------|----------|
| 1.   | T-0411   | O-Ring                   | 1398     | 8.   | T-5432   | Retaining Cap HP100               | W0300129 |
| 2.   | T-0408   | Electrode                | 1376     | 9.   | T-5433   | Contact Nozzle Ret. Cap HP, MP100 | W0300138 |
| 3.   | T-0409   | Electrode, Long          | 1517     | 10.  | T-0400   | Spacer Spring                     | 1386     |
| 4.   | T-0407   | Swirl Ring               | 1377     | 11.  | T-0643   | Double Pointed Spacer             | 1408     |
|      | T-8959   | Swirl Ring               | 1377-CW  | 12.  | T-5003   | Crown Spacer                      | CV14     |
| 5.   | T-0402   | Nozzle 1.1mm             | 1371     | 13.  | T-5401   | Shield Cup, Only for W0300138     | 1392     |
|      | T-0403   | Nozzle 1.3mm             | 1372     | NS   | T-5442   | Handle with Switch                | 1356     |
|      | T-0404   | Nozzle 1.6mm             | 1373     | 14.  | T-9372   | Shield Cup, Machine               |          |
|      | T-0405   | Nozzle 1.8mm HP, MP150   | 1374     | 15.  | T-9370   | Spacer for Contact Cutting        |          |
| 6.   | T-11041  | Nozzle, Long D1,6 – 120A | 1369.16  | 16.  | T-9375   | Locking Nut                       |          |
| 7.   | T-0406   | Nozzle, Long, Contact    | 1369     |      |          |                                   |          |

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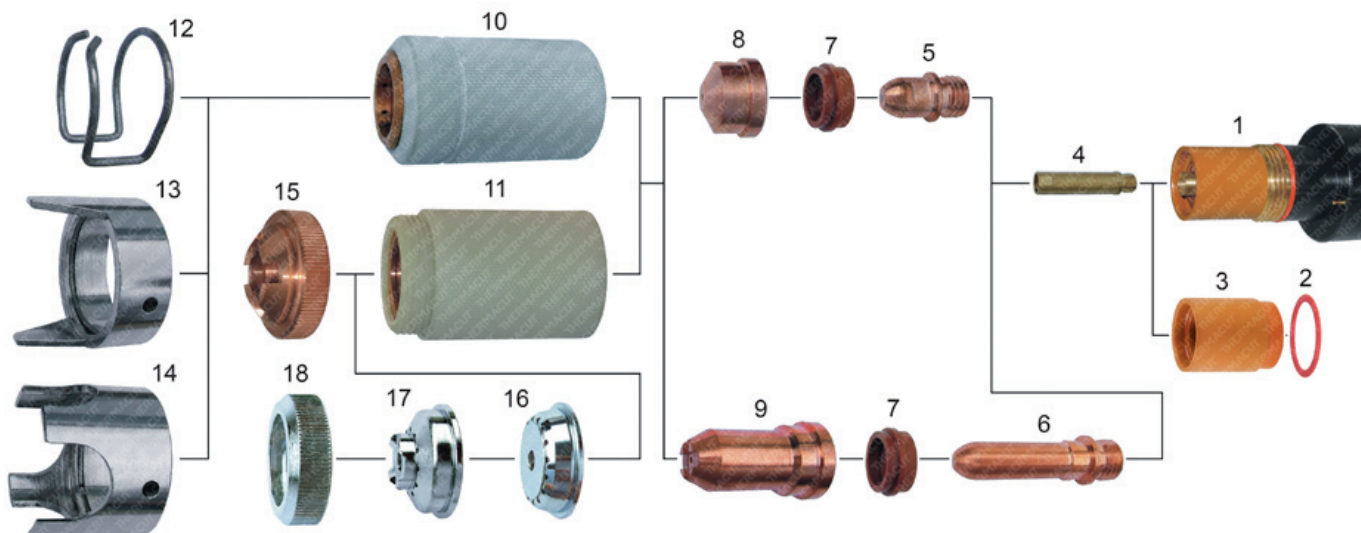
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# REPLACEMENT PARTS SUITABLE FOR CEBORA®

CP160®



| Item | Part No. | Description                       | Ref. No. | Item                                                | Part No.                                              | Description                | Ref. No. |
|------|----------|-----------------------------------|----------|-----------------------------------------------------|-------------------------------------------------------|----------------------------|----------|
| 1.   | T-8955   | Torch Body - Hand                 | 1353     | 12.                                                 | T-0400                                                | Spacer Spring              | 1386     |
|      | T-0412   | Torch Body - Hand                 | 1353T    | 13.                                                 | T-0643                                                | Double Pointed Spacer      | 1408     |
|      | T-8746   | Torch Body - Machine              | 1354     | 14.                                                 | T-5003                                                | Crown Spacer               | CV14     |
| 2.   | T-0411   | O-Ring                            | 1398     | 15.                                                 | T-5401                                                | Shield Cup                 | 1392     |
| 3.   | T-9377   | Torch Insulator                   | 40941    | NS T-5442                                           | Handle with Switch                                    | 1356                       |          |
| 4.   | T-0410   | Air Diffuser                      | 1378     | 16.                                                 | T-9372                                                | Shield Cup, machine        |          |
| 5.   | T-0408   | Electrode                         | 1376     | 17.                                                 | T-9370                                                | Spacer for contact cutting |          |
| 6.   | T-0409   | Electrode, Long                   | 1517     | 18.                                                 | T-9375                                                | Locking Nut                |          |
| 7.   | T-0407   | Swirl Ring                        | 1377     | NS KT-1048                                          | CP160-H® Torch with Leads 6m with centr. conn.        | 1576                       |          |
|      | T-8959   | Swirl Ring                        | 1377-CW  | NS KT-1057                                          | CP160-H® Torch with Leads 6m, fittings                | 1571                       |          |
| 8.   | T-0402   | Nozzle 1.1mm                      | 1371     | NS KT-1070                                          | CP160-H® Cable Leads, Hand. 6m with centr. conn.      | K.CP160H.6M.CK.K           |          |
|      | T-0403   | Nozzle 1.3mm                      | 1372     | NS KT-1083                                          | CP160-H® Hand Torch with Leads 12m with centr. conn.  | 1578                       |          |
|      | T-0404   | Nozzle 1.6mm                      | 1373     | NS KT-1128                                          | CP160-M® Mach.Torch with Leads 6m with centr. conn.   | 1577                       |          |
|      | T-0405   | Nozzle 1.8mm                      | 1374     | NS KT-1273                                          | CP160-M® Cable Leads, Mach. 12m with centr. conn.     | K.CP160M.12M.CK.K          |          |
| 9.   | T-0406   | Nozzle, Long                      | 1369     | NS KT-1086                                          | CP160-M® Mach. Torch with Leads 12m with centr. conn. | 1579                       |          |
| 10.  | T-0401   | Retaining Cap HP, MP150           | 1389     | Different types of cable leads available on request |                                                       |                            |          |
| 11.  | T-5400   | Contact Nozzle Ret. Cap HP, MP150 | 1390     |                                                     |                                                       |                            |          |

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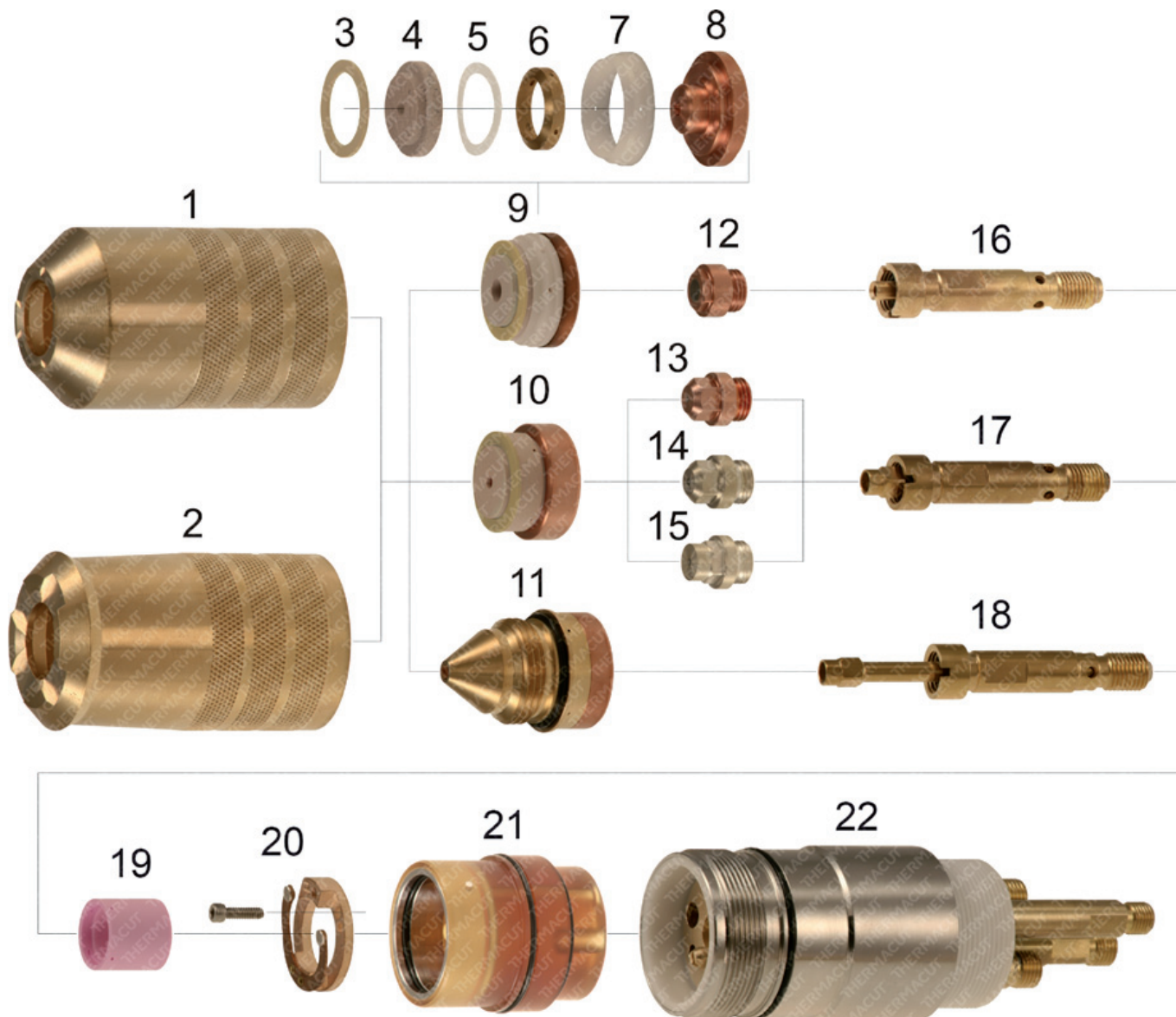
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

PT-15®, PT-15XL®



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## PT-15®, PT-15XL®

| Item | Part No. | Ref. No.  | Description                                           | Std. Pkg. | Item | Part No.  | Ref. No.   | Description                                    | Std. Pkg. |
|------|----------|-----------|-------------------------------------------------------|-----------|------|-----------|------------|------------------------------------------------|-----------|
| 1.   | T-0355   | 20758     | Nozzle Retaining Cup, O <sub>2</sub>                  | 1         |      | T-0339    | 20751      | Nozzle 260A, O <sub>2</sub>                    | 1         |
| 2.   | T-1246   | 20759     | Nozzle Retaining Cup, N <sub>2</sub> /H <sub>35</sub> | 1         |      | T-0340    | 20920      | Nozzle 260A, O <sub>2</sub> , CCW              | 1         |
| NS   | T-0356   | 996230    | Retaining Cup                                         | 1         |      | T-10322** | 20920-UR   | Nozzle 260A, O <sub>2</sub> , CCW              | 1         |
| 3.   | T-0354   | 996628    | Gasket                                                | 1         |      | T-1715    | 35662      | Nozzle 300A, O <sub>2</sub>                    | 1         |
| 4.   | T-0350   | 2075693   | Insulator, 0,140"                                     | 1         | 11.  | T-10209   | 21962      | Nozzle Bevel 300A, O <sub>2</sub>              | 1         |
|      | T-0351   | 2075617   | Insulator, 0,180"                                     | 1         |      | T-10329   | 21963      | Nozzle 260-300A, CCW                           | 1         |
|      | T-0352   | 2075606   | Insulator, 0,225"                                     | 1         | 12.  | T-0328    | 600236     | Electrode 250-1000A, N <sub>2</sub>            | 5         |
|      | T-0353   | 2075607   | Insulator, 0,260"                                     | 1         | 13.  | T-0329    | 20763      | Electrode 260A, O <sub>2</sub>                 | 5         |
|      | T-1604   | 2075588   | Insulator, 0,500"                                     | 1         | 14.  | T-4900    | 20763-AG   | Electrode 260A, O <sub>2</sub> , SilverEX®     | 5         |
| NS   | T-10683  | 20409-UR  | Insulator                                             | 1         | 15.  | T-4906    | 35666XL-AG | Electrode 125-340A, O <sub>2</sub> , SilverEX® | 5         |
| 5.   | T-0349   | 996619    | Spacer                                                | 1         | 16.  | T-0326    | 2075343    | Electrode Holder                               | 1         |
| 6.   | T-0346   | 2075584   | Swirl Ring, 4 Hole, CW                                | 1         | 17.  | T-0327    | 20398      | Electrode Holder                               | 1         |
|      | PT-10567 | 2075616   | Swirl Ring, 4 Hole, CCW                               | 1         | 18.  | T-1253    | 34084      | Electrode Holder                               | 1         |
| 7.   | T-0348   | 996618    | Centering Sleeve                                      | 1         | 19.  | T-0322    | 948142     | Swirl Ring, 4 Hole, CW                         | 1         |
| 8.   | T-0345   | 19810     | Nozzle Base 875-1000A                                 | 1         |      | T-0320    | 2075341    | Swirl Ring, 4 Hole, CW, N <sub>2</sub>         | 1         |
|      | T-0342   | 2075608   | Nozzle Base 400A                                      | 1         |      | T-0323    | 948143     | Swirl Ring, 4 Hole, CCW                        | 1         |
|      | T-0343   | 2075609   | Nozzle Base 600A                                      | 1         |      | T-0321    | 2075360    | Swirl Ring, 4 Hole, CCW, N <sub>2</sub>        | 1         |
|      | T-0344   | 2075610   | Nozzle Base 750A                                      | 1         |      | T-1869    | 1361201    | Swirl Ring, 8 Hole, CW                         | 1         |
| 9.   | T-0332   | 2075611   | Nozzle 400A, N <sub>2</sub>                           | 1         |      | T-2019    | 35660      | Swirl Ring, 8 Hole, CW                         | 1         |
|      | T-1966   | 2075612   | Nozzle 600A, N <sub>2</sub>                           | 1         |      | T-11659   | 35661      | Swirl Ring, 8 Hole, CCW                        | 1         |
|      | T-1968   | 2075613   | Nozzle 750A, N <sub>2</sub>                           | 1         |      | T-0324    | 2075586    | Swirl Ring, 8 Hole, CCW                        | 1         |
|      | T-0333   | 2075614   | Nozzle 400A, N <sub>2</sub> , CCW                     | 1         | 20.  | T-1248*   | 21940 OEM  | Contact Ring                                   | 1         |
|      | T-9645   | 2075615   | Nozzle 600A, N <sub>2</sub> , CCW                     | 1         | 21.  | T-0319    | 20755      | Insulator                                      | 1         |
|      | T-9644   | 2075692   | Nozzle 250A, CCW                                      | 1         | NS   | T-1373    | 20403      | Wire Insulator                                 | 1         |
|      | T-10321  | 20751-UR  | Nozzle 260A, O <sub>2</sub>                           | 1         | 22.  | T-0318    | 20754      | Torch Body, Machine                            | 1         |
|      | T-0338   | 2075587   | Nozzle 875-1000A, H <sub>35</sub>                     | 1         | NS   | T-10682** | 20408-UR   | H.F. Connector                                 | 1         |
|      | T-1976   | 2075691   | Nozzle 250A, N <sub>2</sub>                           | 1         | NS   | T-10476** | 17504-UR   | Adaptor, Water-Out                             | 1         |
|      | T-3584   | 2075611-2 | Nozzle 400A, N <sub>2</sub>                           | 1         | NS   | T-10474** | 17501-UR   | Adaptor, Water Injection                       | 1         |
| 10.  | T-1716   | 35664     | Nozzle 340A, O <sub>2</sub>                           | 1         | NS   | T-10475** | 17503-UR   | Adaptor, Water-In                              | 1         |

\*\* A UNIQUE DESIGN WHICH ENHANCES PERFORMANCE AND DIFFERS FROM OEM DESIGNS

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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-19XLS®



| Item | Part No.  | Ref. No.  | Description               | Std. Pkg. | Item | Part No. | Ref. No.  | Description                  | Std. Pkg. |
|------|-----------|-----------|---------------------------|-----------|------|----------|-----------|------------------------------|-----------|
| 1.   | T-10128   | 37081     | Shield Retainer           | 1         | 9.   | T-10262  | 34086-UR  | Electrode 50-250A (III)      | 5         |
|      | T-2345*   | 37081 OEM | Shield Retainer           | 1         |      | T-1252   | 34086     | Electrode 50-250A (III)      | 5         |
| 2.   | T-2266    | 21802     | Shield 100-250A           | 1         |      | T-5503   | 34086-T   | Electrode 50-250A (IV)       | 5         |
|      | T-2267    | 21945     | Shield 325-600A           | 1         |      | T-9590   | 34086-R   | Electrode 50-250A (III)      | 5         |
|      | T-4580    | 21795 OEM | Shield 50A                | 1         | 10.  | T-2349   | 37068     | Electrode Holder (I)         | 1         |
| 3.   | T-2269    | 21944     | Diffuser 100-600A         | 1         |      | T-9599   | 37068-T   | Electrode Holder (II)        | 1         |
| 4.   | T-10129   | 37082     | Nozzle Retaining Cap      | 1         | 11.  | T-0322   | 948142    | Swirl Ring, 4 Hole, CW       | 1         |
|      | T-2347*   | 37082 OEM | Nozzle Retaining Cap      | 1         |      | T-0323   | 948143    | Swirl Ring, 4 Hole, CCW      | 1         |
| 5.   | T-1720    | 22026     | Nozzle Tip 50A            | 1         |      | T-2019   | 35660     | Swirl Ring, 8 Hole, CW       | 1         |
|      | T-1717    | 22029     | Nozzle Tip 100A           | 1         |      | T-11659  | 35661     | Swirl Ring, 8 Hole, CCW      | 1         |
|      | T-1718    | 22030     | Nozzle Tip 150A           | 1         | 12.  | T-2352*  | 37071 OEM | Contact Ring                 | 1         |
|      | T-4197    | 21822-S   | Nozzle Tip 250A           | 1         | 13.  | T-2351*  | 37083 OEM | Insulator                    | 1         |
| 5a.  | T-1721    | 22027     | Nozzle Base 50A           | 1         | 14.  | T-3422   | 37066     | Torch Body PT-19XLS, machine | 1         |
|      | T-1722    | 22028     | Nozzle Base 100-250A      | 1         | NS   | T-1725   | 20391     | Torch Body PT-19XL, machine  | 1         |
| 6.   | T-2271    | 21822     | Nozzle 250A               | 1         | NS   | T-1337   | 19483     | Sleeve                       | 1         |
| 7.   | T-10266** | 35886-UR  | Electrode 325A            | 5         | NS   | T-1249   | 948186    | Heat Shield                  | 1         |
| 8.   | T-4905    | 34086XLAG | Electrode, Silver 50-250A | 5         | NS   | T-11202  | T-11202   | Electrode holder wrench      | 1         |

(I) Use Electrode Holder 37068 for 34086, 34086-R, 34086-UR Electrodes.

(II) Use Electrode Holder 37068-T for 34086-T Electrode.

(III) Use Electrodes 34086, 34086-R, 34086-UR for 37068 Electrode Holder.

(IV) Use Electrode 34086-T for 37068-T Electrode Holder.

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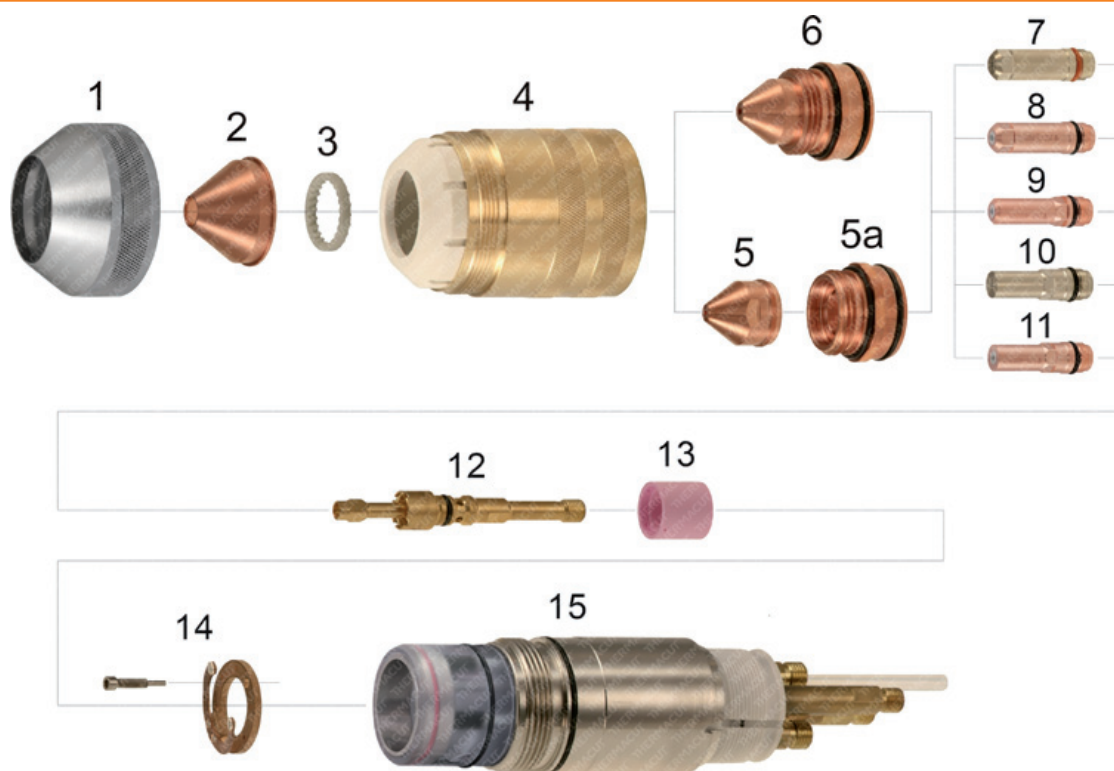
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-600®



| Item | Part No. | Ref. No.   | Description                 | Std. Pkg. | Item | Part No. | Ref. No.       | Description                     | Std. Pkg. |
|------|----------|------------|-----------------------------|-----------|------|----------|----------------|---------------------------------|-----------|
| 1.   | T-10128  | 37081      | Shield Retainer             | 1         |      | T-5330   | 0558001623     | Nozzle 250A                     | 1         |
| 2.   | T-2266   | 21802      | Shield 100-250A             | 1         |      | T-5335   | 0558001885     | Nozzle 360A                     | 1         |
|      | T-2267   | 21945      | Shield 360A                 | 1         |      | T-5336   | 0558001886     | Nozzle 400A                     | 1         |
|      | T-4580*  | 21795 OEM  | Shield 50A                  | 1         |      | T-5337   | 0558001887     | Nozzle 600A                     | 1         |
| NS   | T-10124  | 0558004678 | Precision shield 110-200A   |           | 7.   | T-4907   | 0558001624-AG  | Electrode 250A, SilverEX-       | 5         |
| 3.   | T-2269   | 21944      | Gass Diffuser 100-360A      | 1         | 8.   | T-11239  | 0558001624-PRO | Electrode 250A                  | 5         |
|      | T-10331  | 22496      | Gass Diffuser 100-360A, ccw | 1         | 9.   | T-11240  | T-11240-PRO    | Electrode 260/400A              | 5         |
| NS   | T-2268   | 21796      | Gass Diffuser 50A           | 1         | 10.  | T-4910   | 0558002516-AG  | Electrode 360/400A, SilverEX-   | 5         |
| 4.   | T-10129  | 37082      | Nozzle Retaining Cap        | 1         | 11.  | T-11238  | 0558002516-PRO | Electrode 360/400A              | 5         |
| 5.   | T-1720   | 22026      | Nozzle Tip 50A              | 1         | 12.  | T-11201  | 0558001621     | Electrode Holder                | 1         |
|      | T-1717   | 22029      | Nozzle Tip 100A             | 1         | 13.  | T-4606   | 0558002533     | Gas Baffle, 4 hole x 0,032, CW  | 1         |
|      | T-1718   | 22030      | NozzleTip 150A              | 1         |      | T-4607   | 0558002534     | Gas Baffle, 4 hole x 0,032, CCW | 1         |
|      | T-1719   | 22031      | NozzleTip 200A              | 1         |      | T-4636   | 0558001625     | Gas Baffle, 8 hole x 0,047, CW  | 1         |
| 5a.  | T-1721   | 22027      | Nozzle Base 50A             | 1         |      | T-10695  | 0558002530 OEM | Baffle, 8 Hole x 0,047, CCW     | 1         |
|      | T-1722   | 22028      | Nozzle Base 100-250A        | 1         |      | T-11119  | 0558002530     | Baffle, 8 Hole x 0,047, CCW     | 1         |
| 6.   | T-5331   | 0558001881 | Nozzle 50A                  | 1         | 14.  | T-2352   | 37071 OEM      | Contact Ring Assembly           | 1         |
|      | T-5332   | 0558001882 | Nozzle 100A                 | 1         | 15.  | T-10283  | 0558001825     | Torch Body                      | 1         |
|      | T-5333   | 0558001883 | Nozzle 150A                 | 1         | NS   | T-11202  | T-11202        | Electrode holder wrench         | 1         |
|      | T-5334   | 0558001884 | Nozzle 200A                 | 1         |      |          |                |                                 |           |

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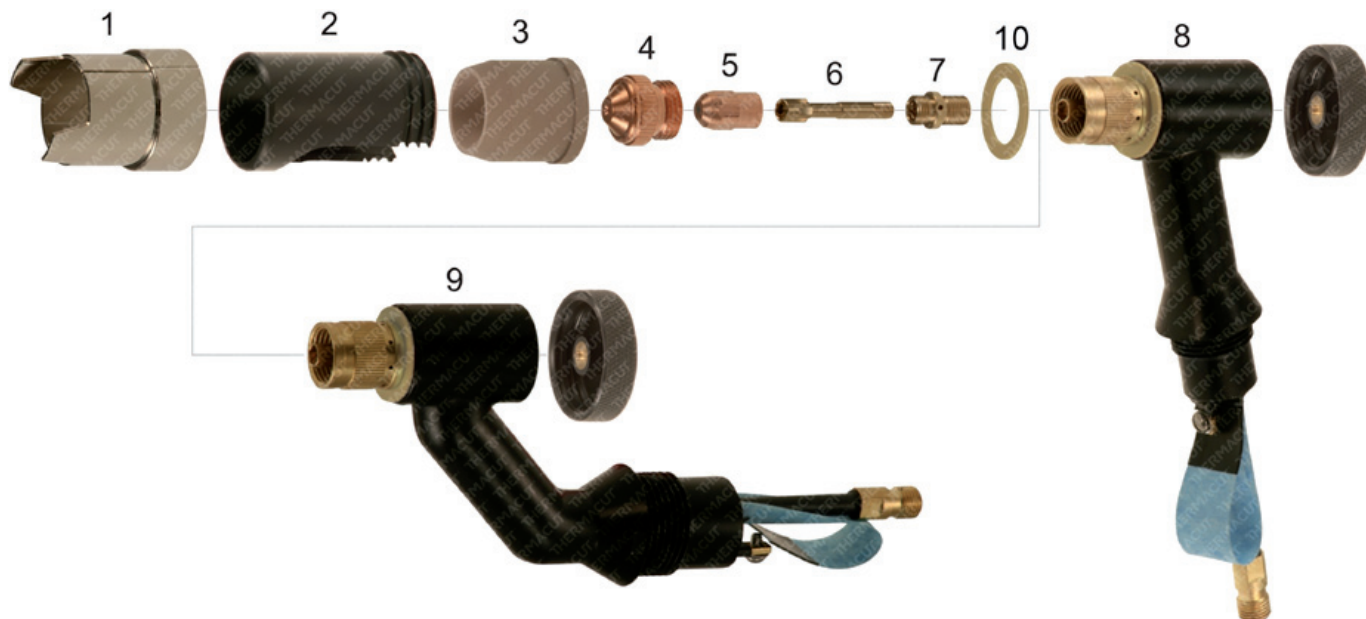
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-17A®



| Item | Part No. | Ref. No. | Description       | Std. Pkg. | Item | Part No. | Ref. No. | Description           | Std. Pkg. |
|------|----------|----------|-------------------|-----------|------|----------|----------|-----------------------|-----------|
| 1.   | T-1897   | 19989    | Heat Shield Guard | 1         | 5.   | T-0305   | 19918    | Electrode             | 5         |
| 2.   | T-1201   | 19502    | Shroud, (=19499)  | 1         | 6.   | T-1202   | 19114    | Baffle Tube           | 1         |
| 3.   | T-0299   | 19124    | Heat Shield       | 1         | 7.   | T-1203   | 20053    | Electrode Adaptor     | 1         |
| 4.   | T-1200   | 19914    | Cutting Tip 30A   | 1         | 8.   | T-1204   | 20008    | Torch Body 70° - Hand | 1         |
|      | T-0301   | 19915    | Cutting Tip 50A   | 1         | 9.   | T-1205   | 20010    | Torch Body, Machine   | 1         |
|      | T-0302   | 19916    | Cutting Tip 70A   | 1         | 10.  | T-1890   | 19575    | Gasket                | 1         |
|      | T-0303   | 19917    | Cutting Tip 80A   | 1         | NS   | T-0300   | 19124-1  | Heat Shield           | 1         |
|      | T-0304   | 20056    | Cutting Tip 100A  | 1         |      |          |          |                       |           |

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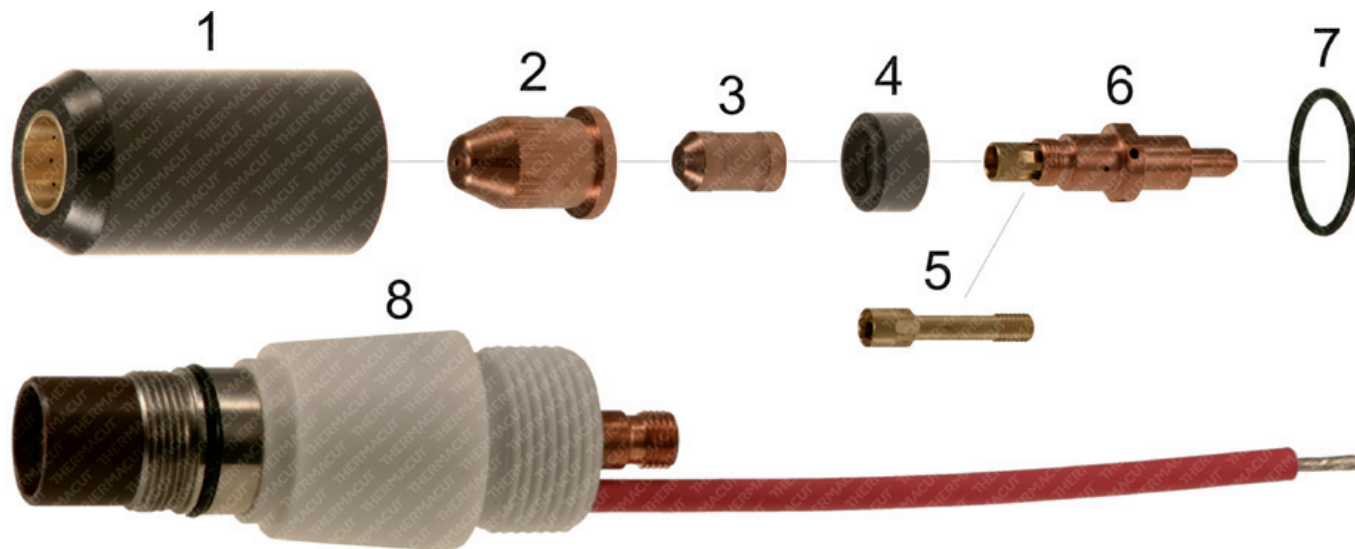
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-20AM®



| Item | Part No. | Ref. No. | Description         | Std. Pkg. | Item | Part No. | Ref. No. | Description            | Std. Pkg. |
|------|----------|----------|---------------------|-----------|------|----------|----------|------------------------|-----------|
| 1.   | T-1314   | 21326    | Heat Shield 70/100A | 1         | 4.   | T-1321   | 21373    | Electrode Insulator    | 1         |
|      | T-1315   | 21447    | Heat Shield 50A     | 1         | 5.   | T-1322   | 21374    | Baffle Tube            | 1         |
| 2.   | T-1316   | 21330    | Nozzle 50A          | 1         | 6.   | T-1323   | 21332    | Electrode Assy. Holder | 1         |
|      | T-1317   | 21329    | Nozzle 70A          | 1         | 7.   | T-1300   | 488157   | O-Ring                 | 1         |
|      | T-1318   | 21328    | Nozzle 100A         | 1         | 8.   | T-1325   | 21359    | Torch Body             | 1         |
| 3.   | T-1320   | 21150    | Electrode           | 5         |      |          |          |                        |           |

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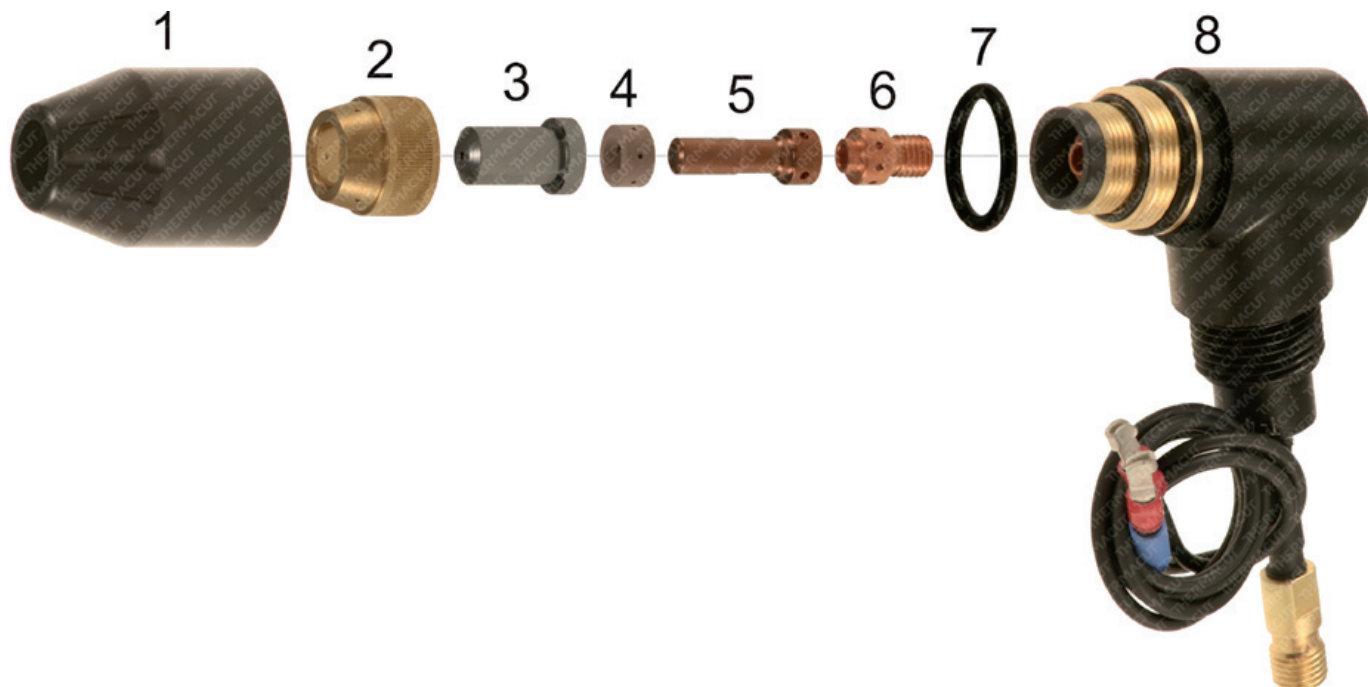
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-23®



| Item | Part No. | Ref. No. | Description   | Std. Pkg. | Item | Part No. | Ref. No. | Description      | Std. Pkg. |
|------|----------|----------|---------------|-----------|------|----------|----------|------------------|-----------|
| 1.   | T-1258   | 33419    | Shield        | 1         | 5.   | T-1264   | 33366    | Electrode        | 1         |
| 2.   | T-1259   | 33371    | Retaining Nut | 1         | 6.   | T-2016   | 33417    | Replaceable Seat | 1         |
| 3.   | T-1260   | 33368    | Nozzle 30A    | 1         | 7.   | T-1306   | 85W51    | O-Ring           | 1         |
|      | T-1261   | 33369    | Nozzle 50A    | 1         | 8.   | T-1265   | 21421    | Torch Head       | 1         |
|      | T-1262   | 33418    | Nozzle 80A    | 1         | NS   | T-1986   | 21420    | Stand-off Guide  | 1         |
| 4.   | T-1263   | 33367    | Swirl Baffle  | 1         |      |          |          |                  |           |

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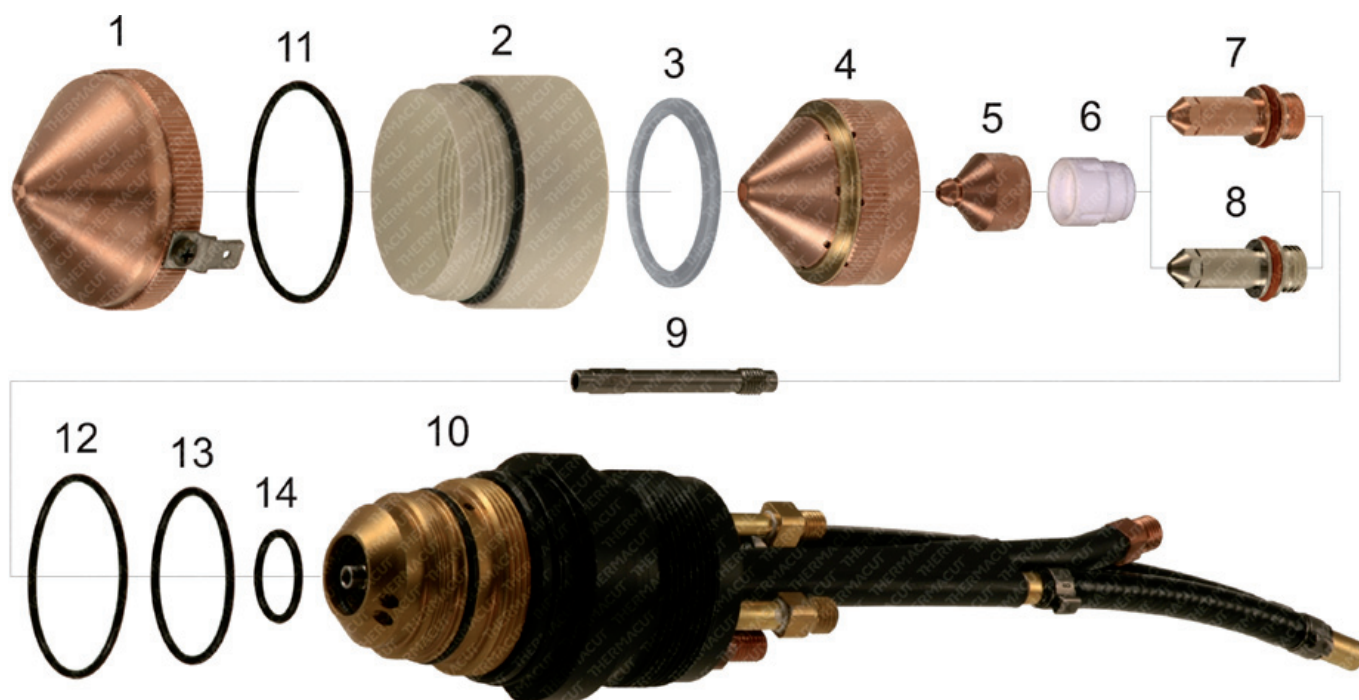
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

PT-24®



| Item | Part No. | Ref. No.  | Description               | Std. Pkg. | Item | Part No. | Ref. No.  | Description                   | Std. Pkg. |
|------|----------|-----------|---------------------------|-----------|------|----------|-----------|-------------------------------|-----------|
| 1.   | T-10130  | 22531     | Cup Shield w/Retainer     | 1         |      | T-3375   | 21536 OEM | Swirl Baffle 30A              | 1         |
|      | T-3369*  | 22531 OEM | Cup Shield w/Retainer     | 1         | 7.   | T-3377   | 21539     | Electrode                     | 5         |
| 2.   | T-9333   | 21712     | Insulator Shield Retainer | 1         |      | T-8987   | 21539-PRO | Electrode                     | 5         |
| 3.   | T-3350   | 22010     | Shield Cap Insulator      | 1         | 8.   | T-4916   | 21539-AG  | Electrode, Silver             | 5         |
| 4.   | T-3353   | 22007     | Nozzle Retainer/Diffuser  | 1         | 9.   | PT-10625 | 21725     | Water Baffle                  | 1         |
| 5.   | T-3370   | 21540     | Nozzle "A" 15A            | 5         | 10.  | T-3379   | 21758     | PT-24® Torch Body, Machine    | 1         |
|      | T-3371   | 21541     | Nozzle "B" 30A            | 5         | 11.  | T-1257   | 996528    | O-Ring                        | 1         |
|      | T-3372   | 21542     | Nozzle "C" 50A            | 5         | 12.  | T-2824   | 950714    | O-Ring                        | 1         |
|      | T-3373   | 21543     | Nozzle "D" 70A            | 5         | 13.  | T-4019   | 86W62     | O-Ring                        | 1         |
|      | T-3354   | 21923     | Nozzle "E" 100A           | 5         | 14.  | T-4018   | 638797    | O-Ring                        | 1         |
| 6.   | T-3376*  | 21692 OEM | Swirl Baffle 50-100A      | 1         | NS   | T-3352   | 22008     | Shield Cup 15/30A, Old Design | 1         |
|      | T-10420  | 21692     | Swirl Baffle 50-100A      | 1         | NS   | T-3351   | 22009     | Shield Cup 50/70A, Old Design | 1         |
|      | T-3374*  | 21852 OEM | Swirl Baffle 15A          | 1         |      |          |           |                               |           |

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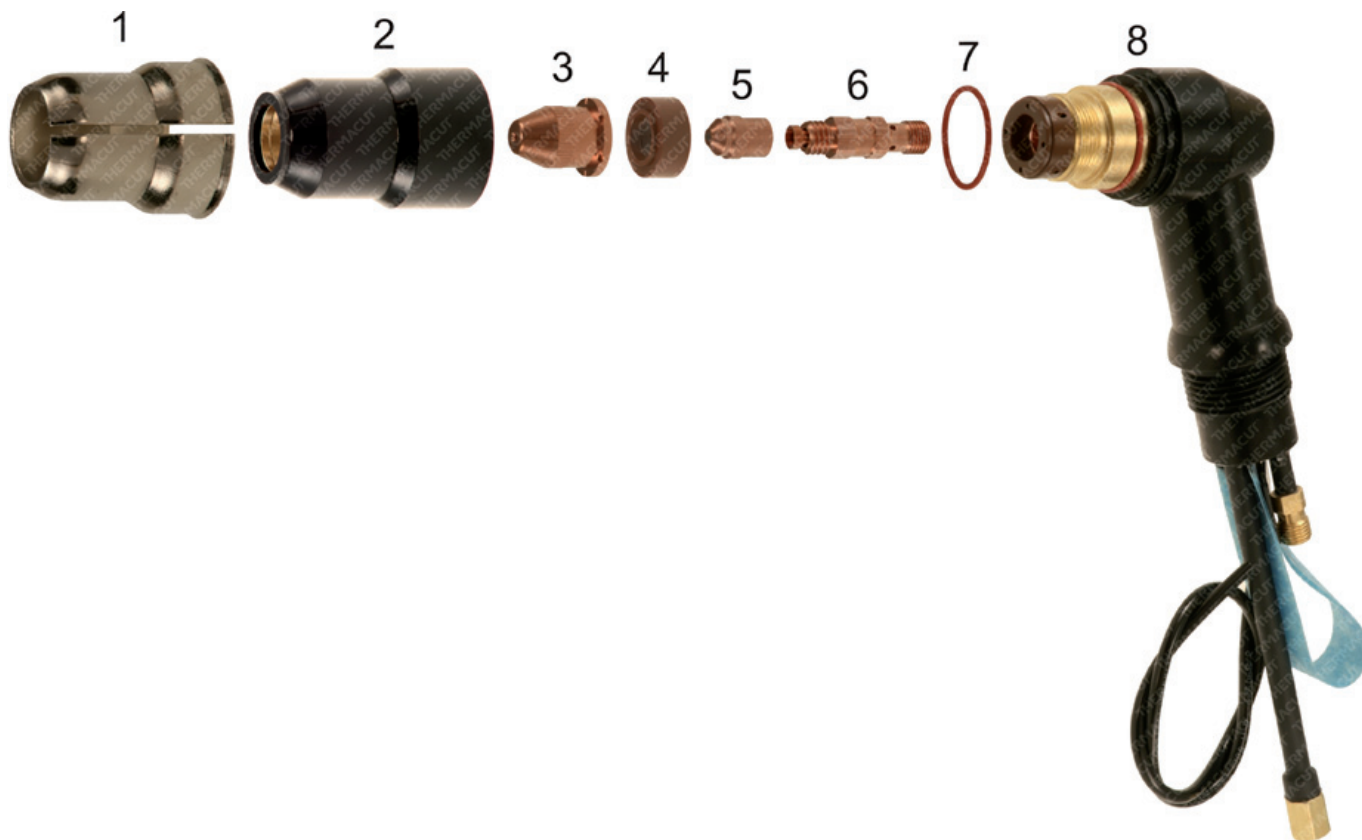
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

PT-25®



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|------|----------|-----------|-----------------------|-----------|------|----------|----------|------------------|-----------|
| 1.   | T-2248*  | 21656 OEM | Gouging Guard         | 1         | 4.   | T-2235   | 21667    | Swirl Baffle     | 1         |
| 2.   | T-2250   | 21654     | Heat Shield           | 1         | 5.   | T-2255   | 21595    | Electrode Air/N2 | 5         |
| 3.   | T-2251   | 21596     | Nozzle 50A            | 1         | 6.   | T-2256   | 21657    | Electrode Holder | 1         |
|      | T-2252   | 21597     | Nozzle 100A           | 1         | 7.   | T-2257   | 344019   | O-Ring           | 1         |
|      | T-2253   | 21598     | Nozzle 150A           | 1         | 8.   | T-2258   | 21625    | Torch Body 70°   | 1         |
|      | T-2254   | 21599     | Nozzle Nozzle-Gouging | 1         |      |          |          |                  |           |

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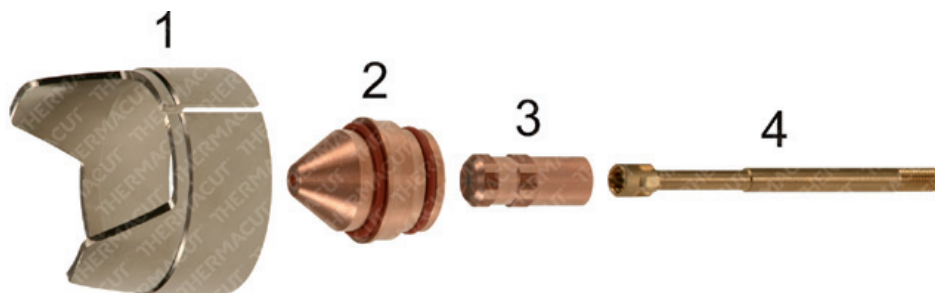
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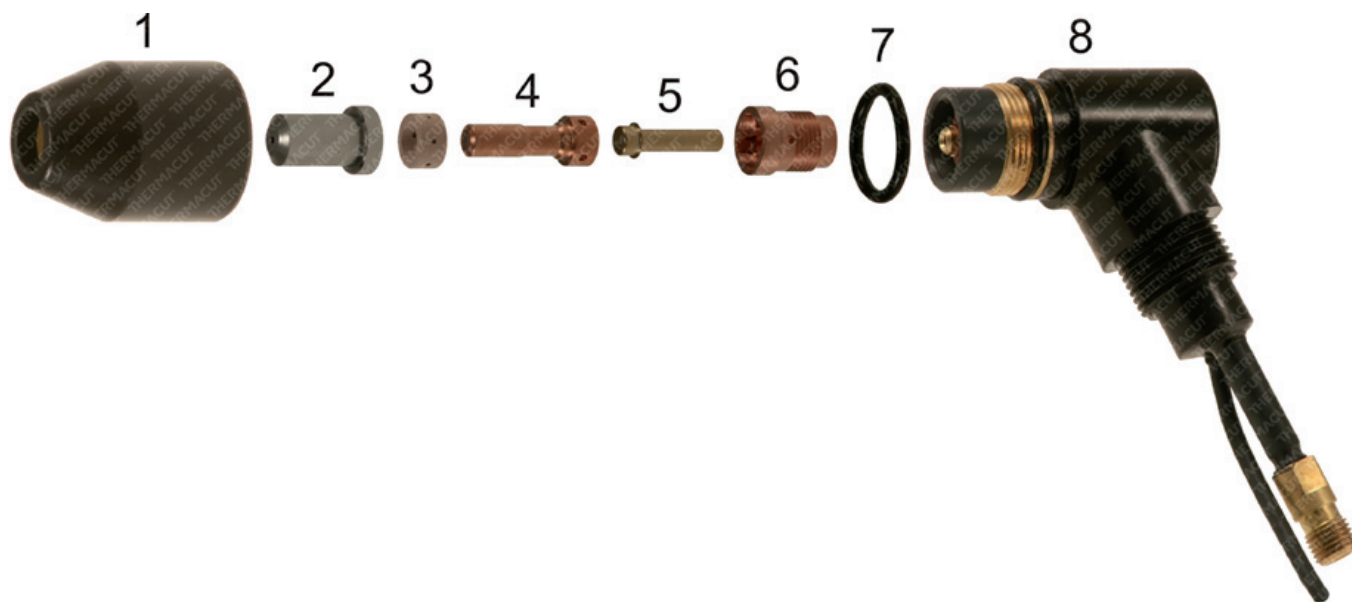
# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-26®



| Item | Part No. | Ref. No. | Description           | Std. Pkg. | Item | Part No. | Ref. No. | Description                                                    | Std. Pkg. |
|------|----------|----------|-----------------------|-----------|------|----------|----------|----------------------------------------------------------------|-----------|
| 1.   | T-2328   | 36648    | Stand-off Guide       | 1         | 3.   | T-8997   | 36565    | Electrode Air, N <sup>2</sup> , N <sup>2</sup> /H <sup>2</sup> | 5         |
| 2.   | T-2331   | 36568    | Nozzle 150Amp         | 1         |      | T-2337   | 36566    | Electrode Ar/H <sup>2</sup>                                    | 5         |
|      | T-2333   | 36570    | Nozzle 300Amp         | 1         | 4.   | T-2339   | 34585    | Baffle Tube                                                    | 1         |
|      | T-2334   | 36571    | Gouging Nozzle 200Amp | 1         |      |          |          |                                                                |           |

## PT-27®



| Item | Part No. | Ref. No. | Description    | Std. Pkg. | Item | Part No. | Ref. No.   | Description                     | Std. Pkg. |
|------|----------|----------|----------------|-----------|------|----------|------------|---------------------------------|-----------|
| 1.   | T-1307   | 21616    | Heat Shield    | 1         | 5.   | T-1308   | 21619      | Valve Pin                       | 1         |
| 2.   | T-1260   | 33368    | Nozzle 30A     | 1         | 6.   | T-1310   | 21615      | Replaceable Seat                | 1         |
|      | T-1261   | 33369    | Nozzle 50-70A  | 1         | 7.   | T-1306   | 85W51      | O-Ring                          | 1         |
|      | T-1262   | 33418    | Nozzle 80A     | 1         | 8.   | T-1309   | 21610      | Torch Body 70°                  | 1         |
|      | T-0057   | 35442    | Gouging Nozzle | 1         | NS   | T-1986   | 21420      | Stand-off Guide                 | 1         |
| 3.   | T-1263   | 33367    | Swirl Baffle   | 1         | NS   | PT-10220 | 0558003032 | Seat Assy+Seat Instalation Tool | 1         |
| 4.   | T-1264   | 33366    | Electrode      | 5         | NS   | T-3953   | 0558003027 | Seat Instalation Tool           | 1         |

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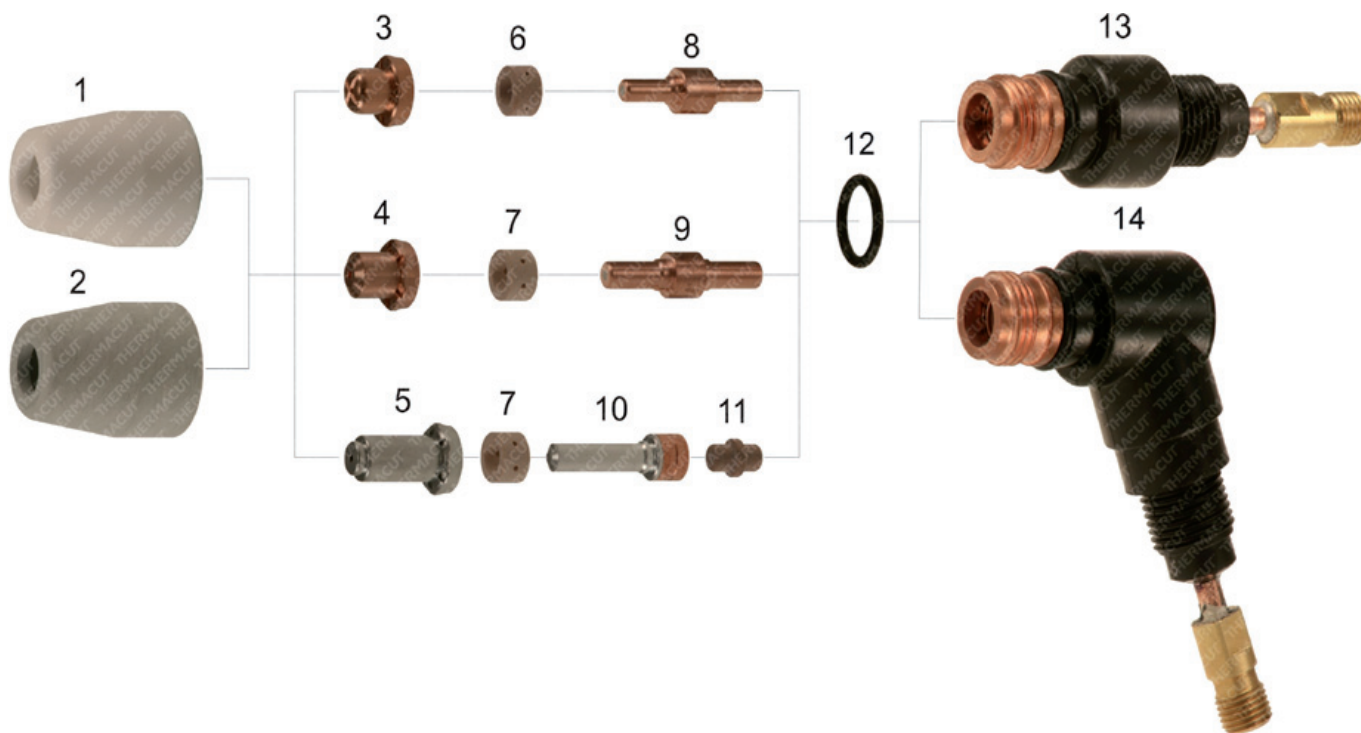
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

## PT-31XL®



| Item | Part No. | Ref. No. | Description      | Std. Pkg. | Item | Part No. | Ref. No. | Description           | Std. Pkg. |
|------|----------|----------|------------------|-----------|------|----------|----------|-----------------------|-----------|
| 1.   | T-0289   | 18204    | Heat Shield      | 1         | 7.   | T-0294   | 20463    | Swirl Baffle          | 1         |
| 2.   | T-0290   | 20282    | Heat Shield      | 1         | 8.   | T-0295   | 18205    | Electrode Standard    | 5         |
| 3.   | T-0291   | 18866    | Nozzle 30A       | 1         | 9.   | T-0296   | 19683    | Electrode Heavy Duty  | 5         |
| 4.   | T-1297   | 20079    | Nozzle 50A       | 1         | 10.  | T-1173   | 20862    | Electrode XT          | 5         |
| 5.   | T-1174   | 20860    | Nozzle XT 30-40A | 1         | #11. | T-1172#  | 20324    | Plunger               | 1         |
|      | T-1176   | 20861    | Nozzle XT 50A    | 1         | 12.  | T-0357   | 950790   | O-Ring                | 1         |
|      | T-1175   | 21008    | Nozzle 35-40A    | 1         | 13.  | T-0298   | 20073    | Torch Body - Machine  | 1         |
| 6.   | T-0293   | 18785    | Swirl Baffle     | 1         | 14.  | T-0297   | 20072    | Torch Body 70° - Hand | 1         |

# ONLY FOR OEM TORCH.

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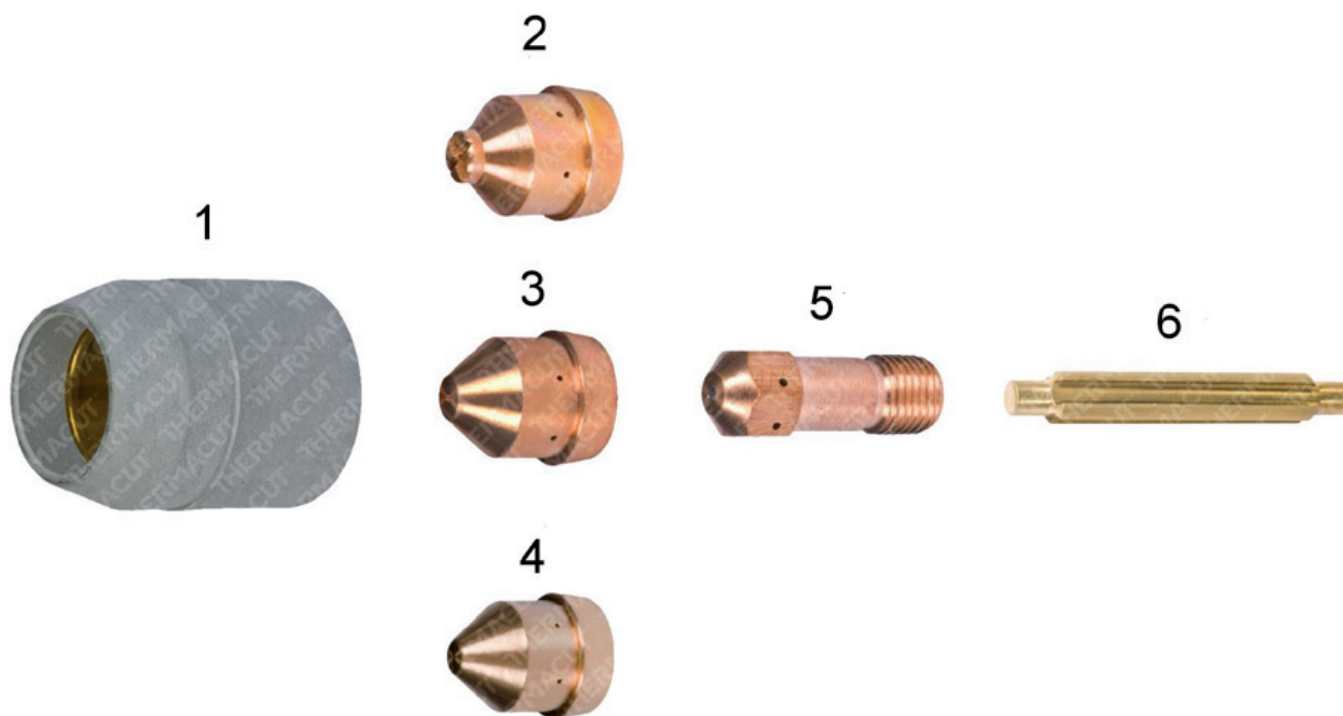
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

PT-32®



| Item | Part No. | Ref. No.   | Description    | Std. Pkg. | Item | Part No. | Ref. No.   | Description    | Std. Pkg. |
|------|----------|------------|----------------|-----------|------|----------|------------|----------------|-----------|
| NS   | T-10765* | 0558002393 | OEM            | 1         | 3.   | T-10149  | 0558002618 | Nozzle 70A (i) | 1         |
| 1.   | T-10123  | 0558001957 | Heat Shield    | 1         | 4.   | T-10151  | 0558002837 | Nozzle 90A (i) | 1         |
| NS   | T-10173* | 0558004206 | OEM            | 1         | 5.   | T-10148  | 0558001969 | Electrode (i)  | 5         |
| 2.   | T-10152  | 0558002908 | Nozzle 40A (i) | 1         | 6.   | T-10150  | 0558001959 | Valve Pin (i)  | 1         |

(i) This parts may not be distributed on the German, Italian and Great Britain market. Thermacut accepts no responsibility in case of indirect sales to Germany, Italy and Great Britain.

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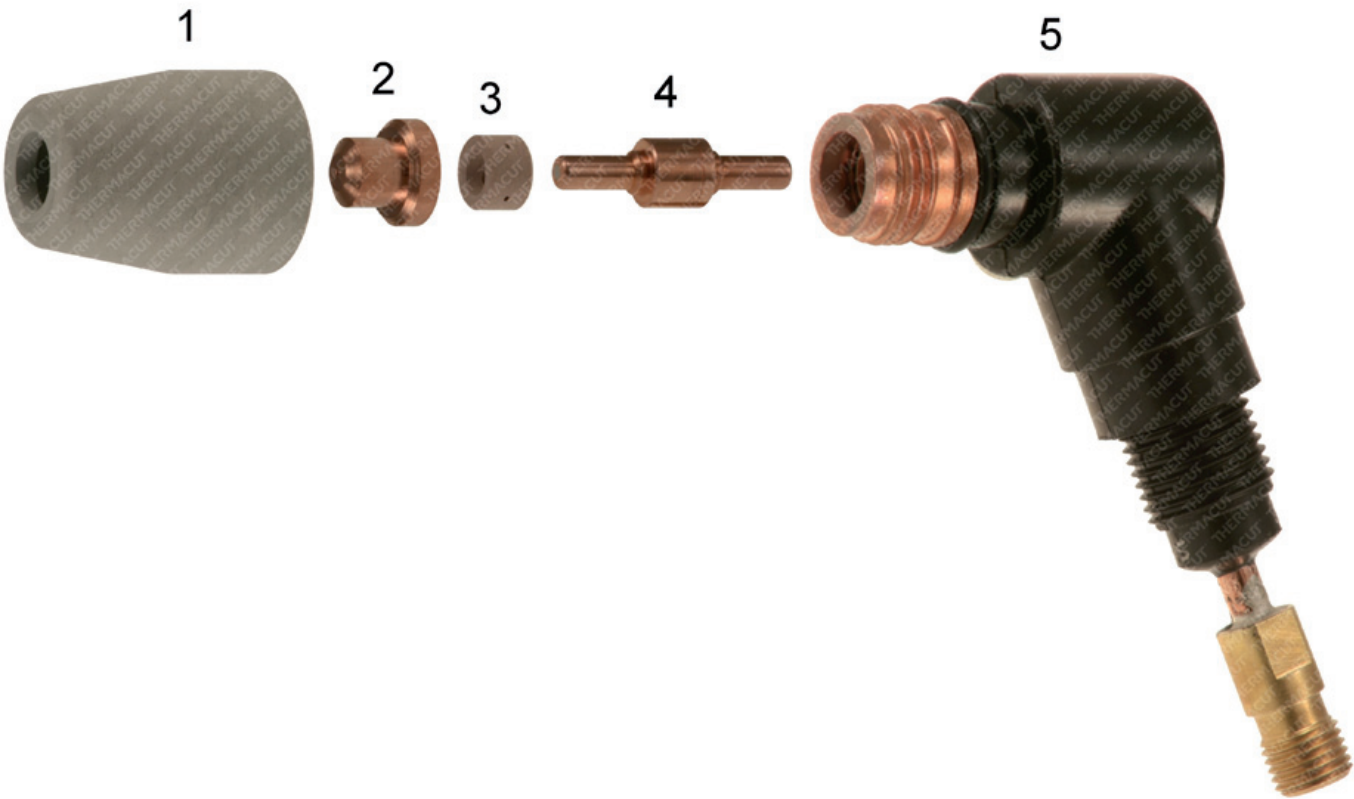
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REPLACEMENT PARTS SUITABLE FOR  
ESAB®/L-TEC®

PT-34®



| Item | Part No. | Ref. No. | Description  | Std. Pkg. | Item | Part No. | Ref. No. | Description      | Std. Pkg. |
|------|----------|----------|--------------|-----------|------|----------|----------|------------------|-----------|
| 1.   | T-0290   | 20282    | Heat Shield  | 1         | 4.   | T-3314   | 37888    | Electrode        | 5         |
| 2.   | T-3315   | 37887    | Nozzle       | 1         | 5.   | T-0297   | 20072    | Torch Body, Hand | 1         |
| 3.   | T-0293   | 18785    | Swirl Baffle | 1         |      |          |          |                  |           |

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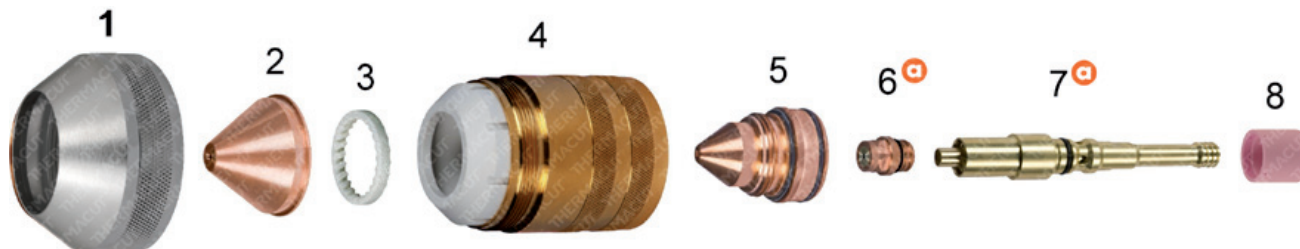
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# REPLACEMENT PARTS SUITABLE FOR ESAB®/L-TEC®

PT-36®



| Item | Part No. | Ref. No.   | Description                                     | Std. Pkg. | Item | Part No.   | Ref. No.       | Description                                     | Std. Pkg. |
|------|----------|------------|-------------------------------------------------|-----------|------|------------|----------------|-------------------------------------------------|-----------|
| 1.   | T-10128  | 37081      | Shield Retainer                                 | 1         |      | T-10443    | 0558006030     | Nozzle 3,0mm, 325/360A MS, 360A SS/AL           | 1         |
| 2.   | T-10333  | 0558006130 | Shield Cup 3,0mm                                | 1         |      | T-10341    | 0558006036     | Nozzle 3,6mm, 400A MS, 450A SS                  | 1         |
|      | T-10332  | 0558006141 | Shield Cup 4,1mm                                | 1         |      | T-10292    | 0558006041     | Nozzle 4,1mm, 600A SS/AL                        | 1         |
|      | T-10334  | 0558006166 | Shield Cup 6,6mm                                | 1         | ⓐ6.  | T-11290**ⓐ | 0558003914-PRO | Electrode Std., O <sub>2</sub> 100-400A         | 5         |
|      | T-10335  | 0558006199 | Shield Cup 9,9mm                                | 1         |      | T-10439*   | 0558005459 OEM | Electrode L.C., O <sub>2</sub> /N <sub>2</sub>  | 5         |
|      | T-10463  | 0558007624 | Shield Cup 2,4mm                                | 1         |      | T-10696*   | 0558003928 OEM | Electrode Std., N <sub>2</sub> /H <sub>35</sub> | 5         |
| 3.   | T-2269   | 21944      | Shield Gas Diffuser, Standard                   | 1         |      | T-10601*   | 0558003914 OEM | Electrode Std., O <sub>2</sub>                  | 5         |
|      | T-10331  | 22496      | Shield Gas Diffuser, Reverse                    | 1         | ⓐ7.  | T-11319**ⓐ | 0558003924-UR  | Electrode Holder                                | 1         |
| NS   | T-2268   | 21796      | Shield Gas Diffuser, Low Current                | 1         |      | T-10602*   | 0558003924 OEM | Electrode Holder                                | 1         |
| 4.   | T-10129  | 37082      | Nozzle Retaining Cap, Standard                  | 1         | 8.   | T-10693*   | 0558005457 OEM | Baffle, 4 Hole × 0,022                          | 1         |
| 5.   | T-10875  | 0558008010 | Nozzle 1,0mm, PR, 45–55A MS                     | 1         |      | T-4607     | 0558002534     | Gas Baffle, 4 Hole × 0,032, CCW                 | 1         |
|      | T-10336  | 0558006010 | Nozzle 1,0mm, 45/50A MS/SS/AL                   | 1         |      | T-10694    | 0558002534 OEM | Gas Baffle, 4 Hole × 0,032, CCW                 | 1         |
|      | T-10337  | 0558006014 | Nozzle 1,4mm, 100A MS/AL, 70/130A SS            | 1         |      | T-4606     | 0558002533     | Gas Baffle, 4 Hole × 0,032, CW                  | 1         |
|      | T-10970  | 0558006018 | Nozzle 1,8mm, 100/130A MS, 100A SS/AL           | 1         |      | T-4636     | 0558001625     | Gas Baffle, 8 Hole × 0,047, CW                  | 1         |
|      | T-10338  | 0558006020 | Nozzle 2,0mm, 150/200A MS/AL, 130/150A SS       | 1         |      | T-10695    | 0558002530 OEM | Baffle, 8 Hole × 0,047, CCW                     | 1         |
|      | T-10339  | 0558006023 | Nozzle 2,3mm, 200/280A MS, 200A SS, 200/260A AL | 1         |      | T-11119    | 0558002530     | Baffle, 8 Hole × 0,047, CCW                     | 1         |
|      | T-10340  | 0558006025 | Nozzle 2.5mm. 280/290A MS. 260A SS              | 1         |      |            |                |                                                 |           |

\*\* A UNIQUE DESIGN WHICH ENHANCES PERFORMANCE AND DIFFERS FROM OEM DESIGNS.

⊕ MUST BE USED AS A SET OF ELECTRODE HOLDER AND ELECTRODE, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS.

CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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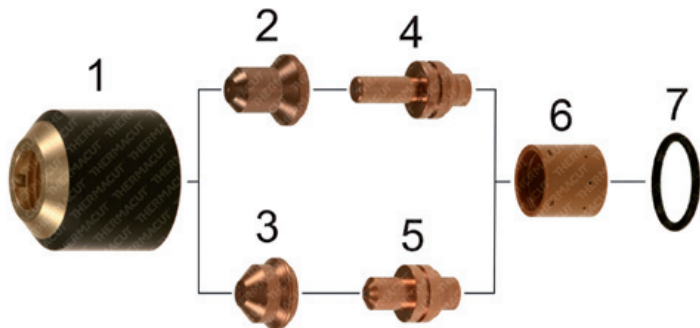
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REPLACEMENT PARTS SUITABLE FOR  
HYPERTHERM®

MAX20®  
PAC110®



| Item | Part No. | Ref. No. | Description             | Std. Pkg. | Item | Part No. | Ref. No. | Description         | Std. Pkg. |
|------|----------|----------|-------------------------|-----------|------|----------|----------|---------------------|-----------|
| 1.   | T-0032   | 020218   | Retaining Cap           | 1         | 4.   | T-0037   | 020382   | Electrode, Extended | 5         |
| 2.   | T-0034   | 020381   | Nozzle, 20Amp, Extended | 1         | 5.   | T-0036   | 020220   | Electrode           | 5         |
| 3.   | T-0033   | 020299   | Nozzle, 20Amp           | 1         | 6.   | T-0035   | 020239   | Swirl Ring          | 1         |
|      | T-0092   | 020219   | Nozzle                  | 1         | 7.   | T-0038   | 044016   | O-Ring              | 1         |

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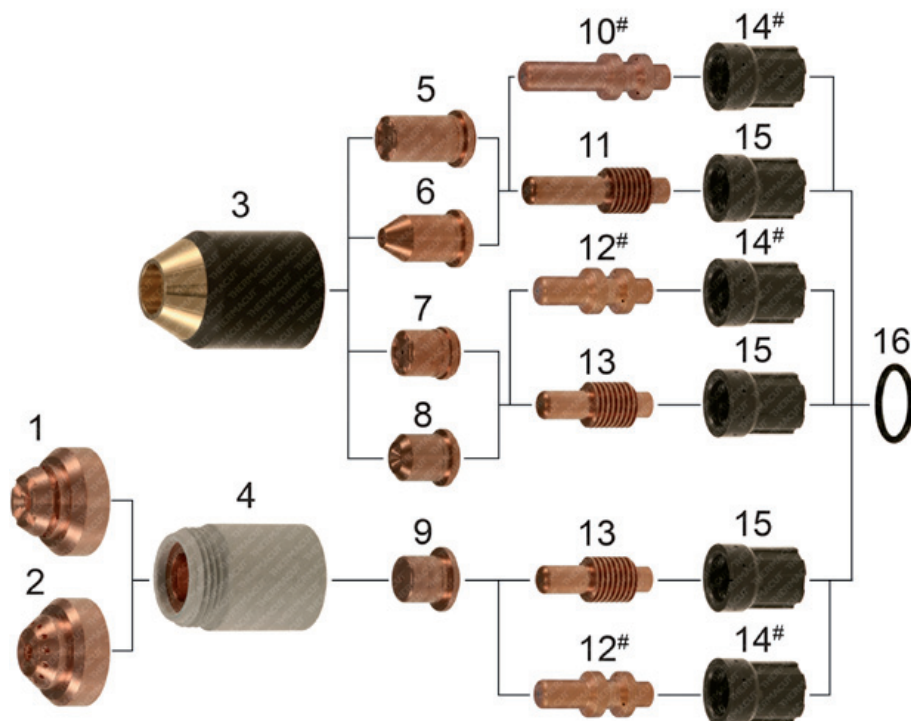
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX40cs®/MAX42®/MAX43®  
PAC120®/PAC125T®



| Item | Part No. | Ref. No.   | Description         | Std. Pkg. | Item | Part No. | Ref. No.  | Description                    | Std. Pkg. |
|------|----------|------------|---------------------|-----------|------|----------|-----------|--------------------------------|-----------|
| *1.  | T-9824*  | 120601-UR  | Shield, Hand        | 1         |      | T-0028   | 020395    | Nozzle                         | 10        |
|      | T-3410   | 120601     | Shield, Hand        | 1         | 8.   | T-0094   | 020539    | Nozzle, Gouging                | 10        |
| *2.  | T-9825*  | 120602-UR  | Shield, Machine     | 1         | 9.   | T-3420   | 120438    | Nozzle                         | 1         |
|      | T-9602   | 120602     | Shield, Machine     | 1         | #10. | T-4451 # | 120574-UR | Electrode, Extended, Long Life | 5         |
| 3.   | T-9580   | 020930     | Retaining Cap       | 1         | 11.  | T-2298   | 120574    | Electrode, Extended            | 5         |
| *4.  | T-9879*  | 120600-UR  | Retaining Cap       | 1         | #12. | T-4450 # | 120573-UR | Electrode, Long Life           | 5         |
| NS   | T-3413   | 120600 OEM | Retaining Cap       | 1         | 13.  | T-3419   | 120573    | Electrode                      | 5         |
| 5.   | T-0089   | 020546     | Nozzle, Extended    | 10        | #14. | T-4452 # | 020361-UR | Swirl Ring                     | 1         |
| 6.   | T-0093   | 120023     | Nozzle, Pipe Saddle | 5         | 15.  | T-0029   | 020361    | Swirl Ring                     | 1         |
|      | T-1799   | 020542     | Nozzle              | 10        | 16.  | T-0038   | T-0038    | O-Ring                         | 1         |
| 7.   | T-0027   | 020350     | Nozzle, 40Amp       | 10        |      |          |           |                                |           |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

# MUST BE USED ONLY AS THE SET OF ELECTRODE & SWIRL RING LIKE SHOWN IN THE PICTURE (-UR DESIGN VERSION OR OEM VERSION), SET OFFERS LIFETIME LONGER UP TO 50%

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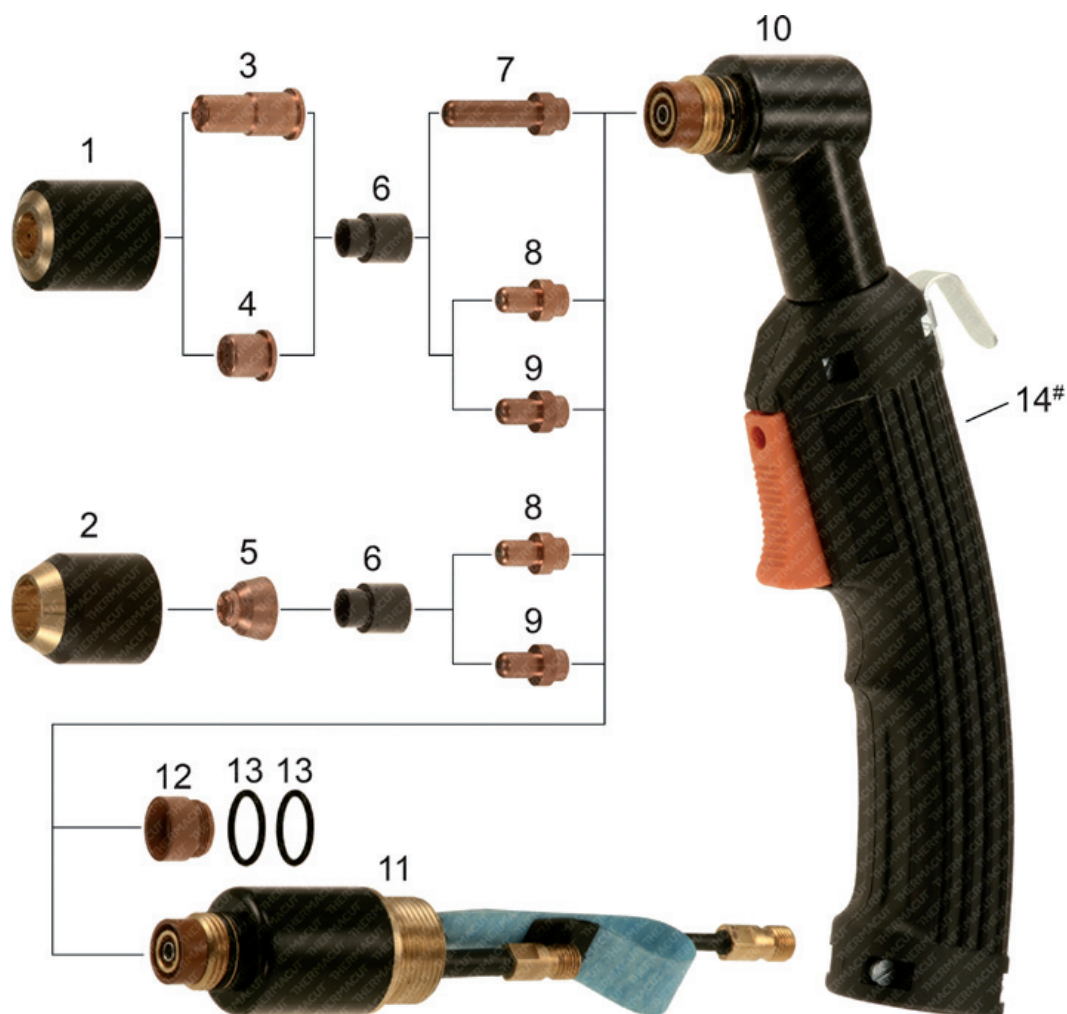
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX40®  
PAC140/M®



| Item | Part No. | Ref. No. | Description                | Std. Pkg. | Item                                                | Part No. | Ref. No.     | Description                  | Std. Pkg. |
|------|----------|----------|----------------------------|-----------|-----------------------------------------------------|----------|--------------|------------------------------|-----------|
| 1.   | T-0043   | 020104   | Retaining Cap, Standard    | 1         | 8.                                                  | T-0053   | 020167       | Electrode, Nitrogen          | 5         |
| 2.   | T-0044   | 020200   | Retaining Cap, Tapered     | 1         | 9.                                                  | T-0052   | 020103       | Electrode, Air               | 5         |
| 3.   | T-0050   | 020466   | Nozzle, Extended           | 1         | 10.,14.                                             | T-0055   | 020122       | PAC140® Hand Torch + Handle  | 1         |
| 4.   | T-0045   | 020115   | Nozzle 40A                 | 1         | 11.                                                 | T-0056   | 020114       | PAC140M® Machine Torch       | 1         |
|      | T-0046   | 020102   | Nozzle 40A (HT40)          | 1         | 12.                                                 | T-0095   | 020114-1     | Front Insulator              | 1         |
| 5.   | T-0048   | 020197   | Nozzle 40A, Tapered        | 1         | 13.                                                 | T-0038   | 044016       | O-Ring                       | 1         |
| NS   | T-0096   | 020340   | Nozzle, Gouging            | 1         | #14.                                                | T-1040#  | 9-5636-1     | Handle                       | 1         |
| NS   | T-0047   | 020131   | Nozzle, Pipe Saddle (HT40) | 1         | NS                                                  | KT-1229  | K.PAC140H.5M | Cable 5m with PAC140-H torch | 1         |
| 6.   | T-0051   | 020101   | Swirl Ring                 | 1         | Different types of cable leads available on request |          |              |                              |           |
| 7.   | T-0054   | 020467   | Electrode, Extended        | 5         |                                                     |          |              |                              |           |

# ONLY FOR THERMACUT TORCH DESIGN

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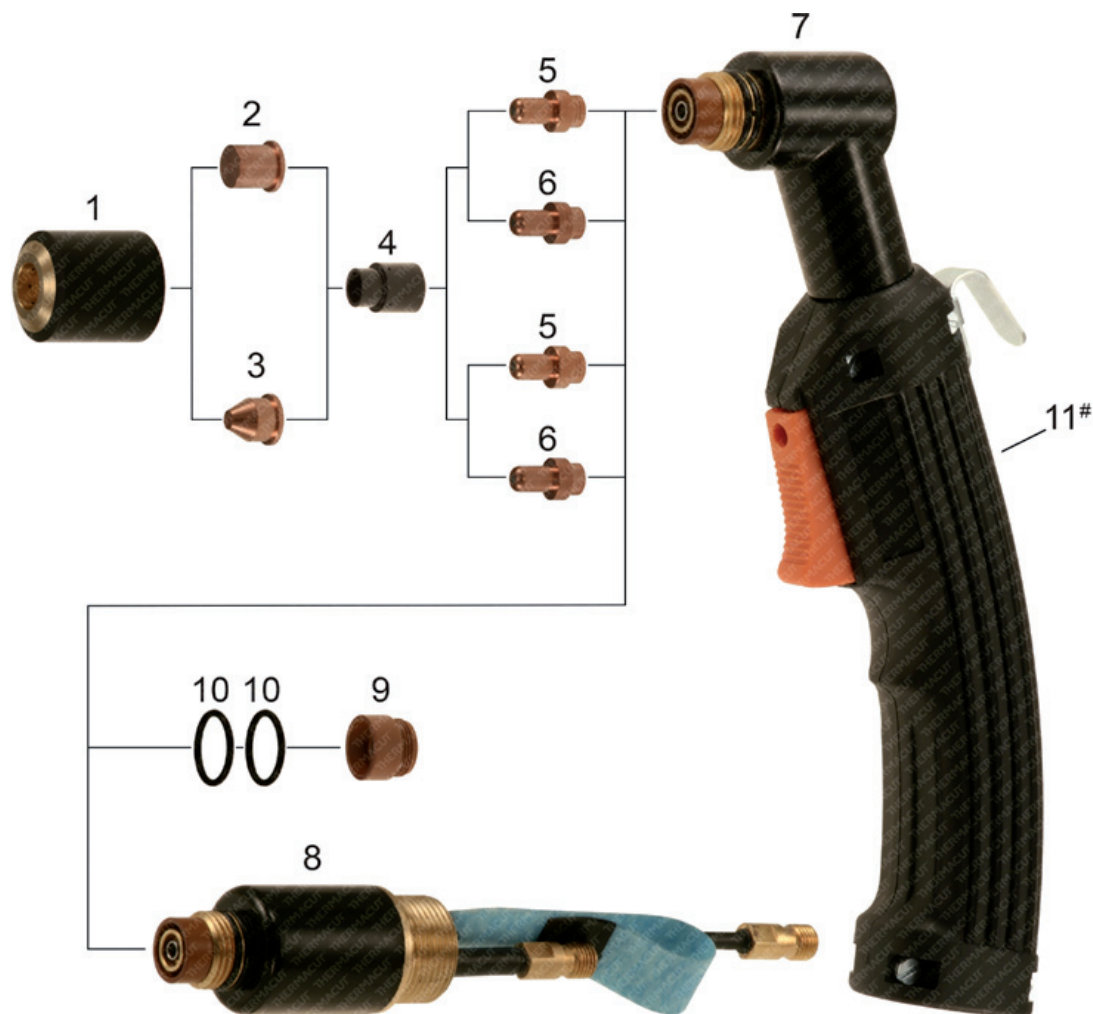
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HT40®  
PAC140/M®



| Item   | Part No. | Ref. No. | Description                 | Std. Pkg. | Item                                                | Part No. | Ref. No.     | Description                  | Std. Pkg. |
|--------|----------|----------|-----------------------------|-----------|-----------------------------------------------------|----------|--------------|------------------------------|-----------|
| 1.     | T-0043   | 020104   | Retaining Cap, Standard     | 1         | 8.                                                  | T-0056   | 020114       | PAC140M™ Machine Torch       | 1         |
| 2.     | T-0046   | 020102   | Nozzle 40A                  | 1         | 9.                                                  | T-0095   | 020114-1     | Front Insulator              | 1         |
| 3.     | T-0047   | 020131   | Nozzle, Pipe Saddle         | 1         | 10.                                                 | T-0038   | 044016       | O-Ring                       | 1         |
| 4.     | T-0051   | 020101   | Swirl Ring                  | 1         | #11.                                                | T-1040#  | 9-5636-1     | Handle                       | 1         |
| 5.     | T-0053   | 020167   | Electrode, Nitrogen         | 5         | NS                                                  | KT-1229  | K.PAC140H.5M | Cable 5m with PAC140-H torch | 1         |
| 6.     | T-0052   | 020103   | Electrode, Air              | 5         | Different types of cable leads available on request |          |              |                              |           |
| 7.,11. | T-0055   | 020122   | Pac140™ Hand Torch + Handle | 1         |                                                     |          |              |                              |           |

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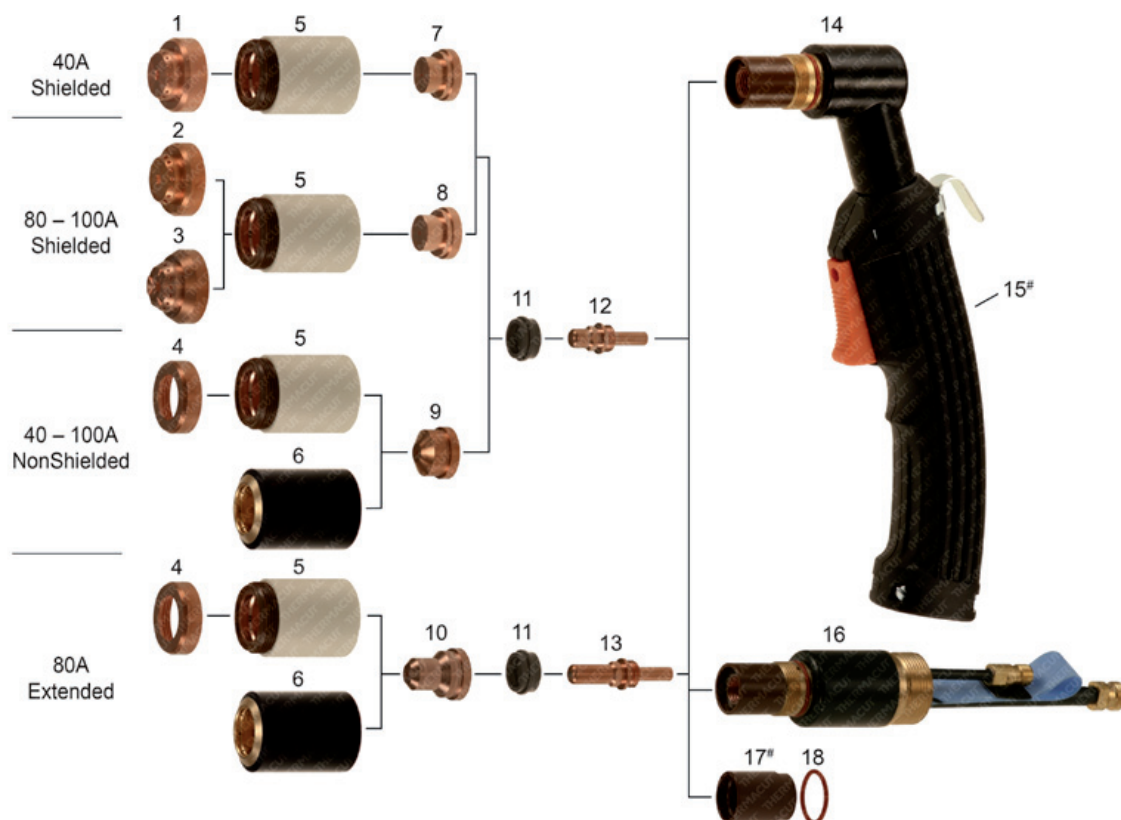
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX70®/MAX80®/MAX100®  
PAC130/M®



| Item | Part No. | Ref. No.  | Description                             | Std. Pkg. | Item                                                | Part No. | Ref. No.           | Description                                   | Std. Pkg. |
|------|----------|-----------|-----------------------------------------|-----------|-----------------------------------------------------|----------|--------------------|-----------------------------------------------|-----------|
| 1.   | T-1041   | 020492    | Shield, Machine 40A-MAX100, 60A-MAX100D | 1         | 12.                                                 | T-8128   | 120433             | Electrode 80A, 100A                           | 5         |
| *2.  | T-3884*  | 020334-UR | Shield, Machine 100A                    | 1         |                                                     | T-0066   | 020191             | Electrode 80A, 100A                           | 5         |
|      | T-0071   | 020334    | Shield, Machine 100A                    | 1         |                                                     | T-0067   | 020193             | Electrode 40A, 80A, 100A                      | 5         |
| *3.  | T-3885*  | 020335-UR | Shield, Hand 100A                       | 1         | 13.                                                 | T-0098   | 020564             | Electrode, Extended                           | 5         |
|      | T-0072   | 020335    | Shield, Hand 100A                       | 1         | 14.,15.                                             | T-0068   | 020189             | PAC130®, Hand Torch + Handle                  | 1         |
| 4.   | T-0070   | 020333    | Deflector                               | 1         | #15.                                                | T-1040#  | 9-5636-1           | Handle                                        | 1         |
| 5.   | T-4609   | 020336    | Retaining Cap                           | 1         | 16.                                                 | T-0069   | 020201             | PAC130M®, Machine Torch Main Body             | 1         |
| 6.   | T-0058   | 020184    | Retaining Cap                           | 1         | #17.                                                | T-0097#  | 020189-1           | Insulator (only for TMT torch)                | 1         |
| 7.   | T-0099   | 020396    | Nozzle 40A, Shielded                    | 1         | 18.                                                 | T-0074   | 026018             | O-Ring                                        | 1         |
| 8.   | T-0062   | 020397    | Nozzle 80A, Shielded                    | 1         | NS                                                  | KT-1079  | 059076             | PAC130-H® Hand Torch w/ Lead 7,6m (25')       | 1         |
|      | T-0063   | 020337    | Nozzle 100A, Shielded                   | 1         | NS                                                  | KT-1298  | 029198             | PAC130-H® Cable Leads, Hand 7,6m (25')        | 1         |
| 9.   | T-0061   | 020195    | Nozzle 100A, NonShielded                | 1         | NS                                                  | KT-1268  | 059093             | PAC130-H® Hand Torch w/ Lead 7,6m (25') w/ CC | 1         |
|      | T-0059   | 020203    | Nozzle 40A, NonShielded                 | 1         | NS                                                  | KT-1071  | 028524             | PAC130-M® Cable Leads, Mach. 7,6m (25') w/ CC | 1         |
| 10.  | T-0100   | 020563    | Nozzle 80A, Extended                    | 1         | NS                                                  | KT-1077  | K.PAC130M.18M.CK.K | PAC130-M® Cable Leads, Mach. 18m (59') w/ CC  | 1         |
| NS   | T-0064   | 020339    | Nozzle 100A, Gouging                    | 1         | Different types of cable leads available on request |          |                    |                                               |           |
| 11.  | T-0065   | 020194    | Swirl Ring                              | 1         |                                                     |          |                    |                                               |           |

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CC CENTRAL CONNECTOR

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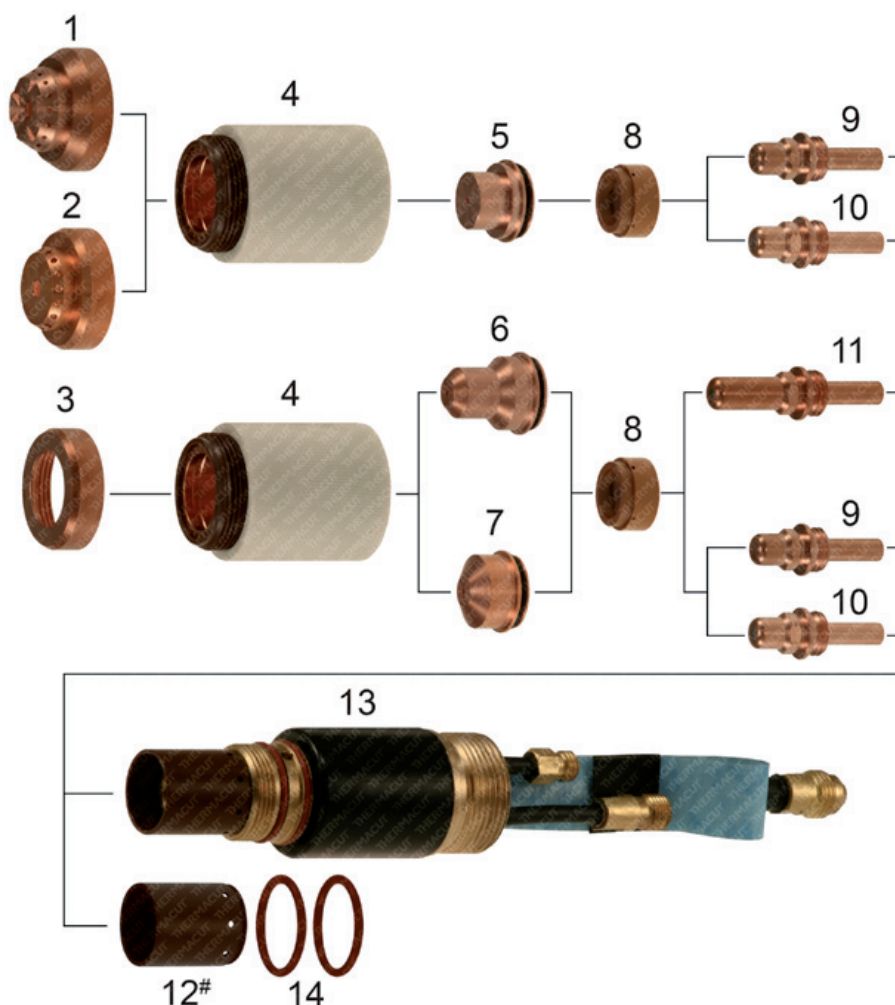
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX100D®  
PAC160/E®



| Item | Part No | Ref. No.   | Description           | Std. Pkg | Item | Part No. | Ref. No.  | Description                  | Std. Pkg. |
|------|---------|------------|-----------------------|----------|------|----------|-----------|------------------------------|-----------|
| * 1. | T-3885* | 020335-UR  | Shield, Hand, 100A    | 1        | 7.   | T-1055   | 020922    | Nozzle 60A, NonShielded      | 1         |
|      | T-0072  | 020335     | Shield, Hand, 100A    | 1        |      | T-1056   | 020921    | Nozzle 30A, 40A, NonShielded | 1         |
| * 2. | T-3884* | 020334-UR  | Shield, Machine, 100A | 1        | 8.   | T-1059   | 020706    | Swirl Ring                   | 1         |
|      | T-0071  | 020334     | Shield, Machine, 100A | 1        | 9.   | T-8128   | 120433    | Electrode 60A, 80A, 100A     | 5         |
|      | T-1041  | 020492     | Shield, 40A-MAX100    | 1        |      | T-1063   | 020951    | Electrode 30-40A             | 5         |
| 3.   | T-0070  | 020333     | Deflector             | 1        | 10.  | T-0067   | 020193    | Electrode 40A, 80A, 100A     | 5         |
| 4.   | T-1049  | 020846     | Retaining Cap, 100A   | 1        |      | T-0066   | 020191    | Electrode 80A, 100A          | 5         |
|      | T-1050  | 020756     | Retaining Cap, 60A    | 1        | 11.  | T-0098   | 020564    | Electrode, Extended          | 5         |
| 5.   | T-1053  | 020705     | Nozzle 100A, Shielded | 1        | #12. | T-8113#  | 020713-4B | Insulator                    | 1         |
|      | T-0838  | 120336     | Nozzle 60A, Shielded  | 1        | 13.  | T-1398   | 020713    | PAC160®/E Machine Torch      | 1         |
|      | T-1054  | 020753     | Nozzle                | 1        | 14.  | T-0074   | 026018    | O-Ring                       | 1         |
| 6.   | T-1052  | 020754 OEM | Nozzle 100A, Extended | 1        |      |          |           |                              |           |

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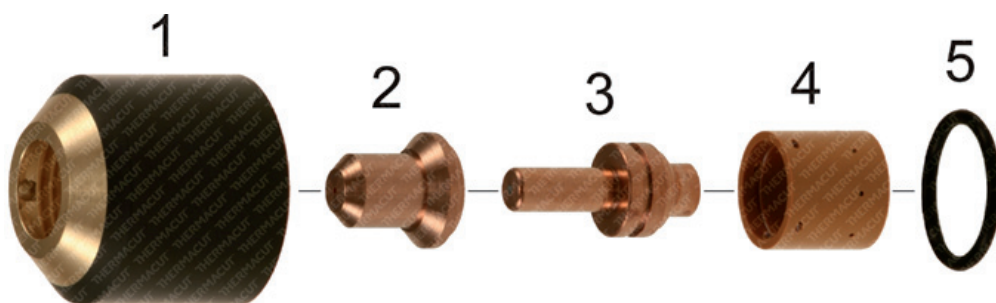
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 350®  
PAC110®



| Item | Part No. | Ref. No. | Description           | Std. Pkg. | Item | Part No. | Ref. No. | Description | Std. Pkg. |
|------|----------|----------|-----------------------|-----------|------|----------|----------|-------------|-----------|
| 1.   | T-0032   | 020218   | Retaining Cap         | 1         | 4.   | T-0035   | 020239   | Swirl Ring  | 1         |
| 2.   | T-1860   | 120504   | Nozzle, Extended, 25A | 1         | 5.   | T-0038   | 044016   | O-Ring      | 1         |
| 3.   | T-0037   | 020382   | Electrode, Extended   | 5         |      |          |          |             |           |

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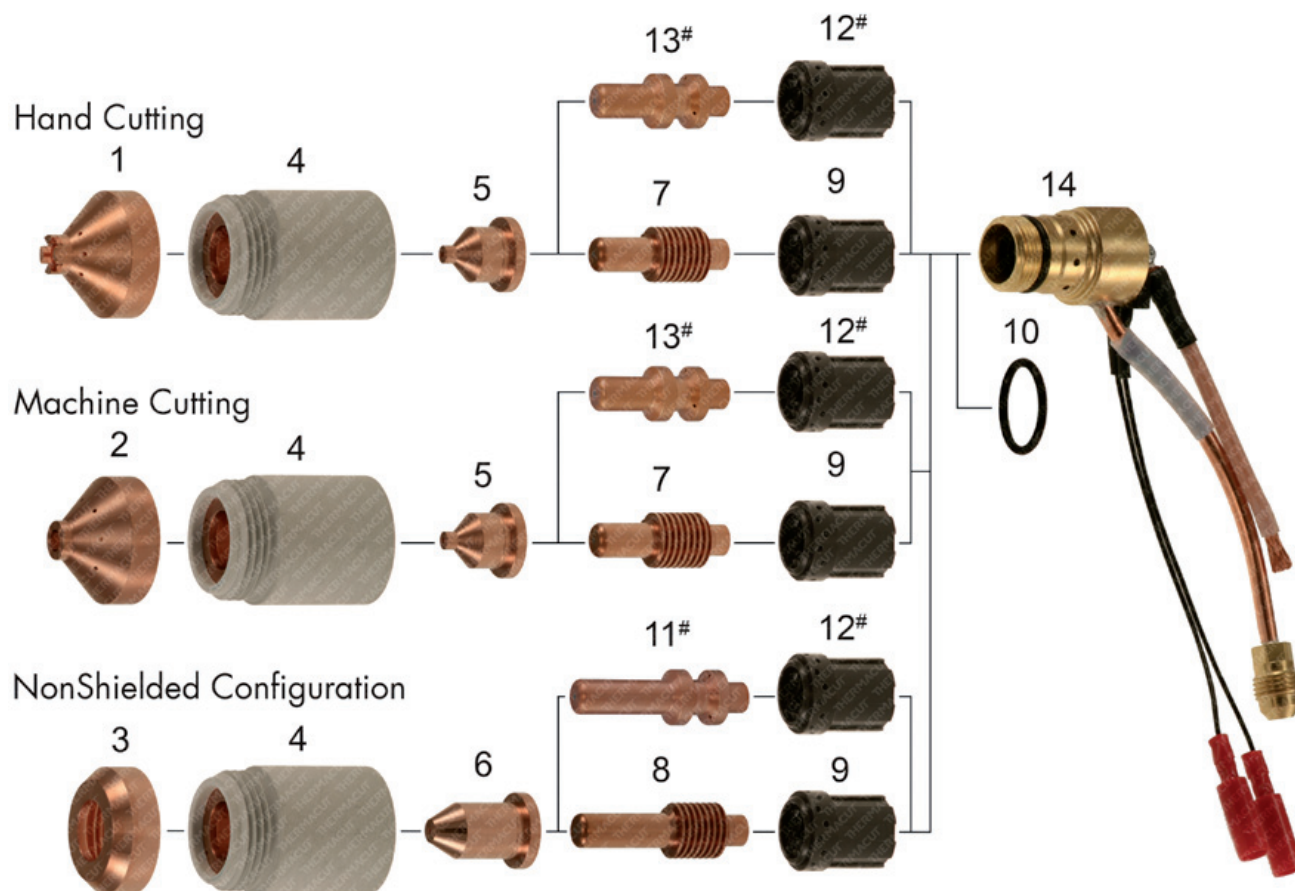
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 600®  
PAC123T/M®



| Item | Part No. | Ref. No.   | Description          | Std. Pkg. | Item                                                | Part No. | Ref. No.  | Description                              | Std. Pkg. |
|------|----------|------------|----------------------|-----------|-----------------------------------------------------|----------|-----------|------------------------------------------|-----------|
| *1.  | T-9827*  | 120828-UR  | Shield 40A, Hand     | 1         | 9.                                                  | T-2230   | 120576    | Swirl Ring                               | 1         |
| *2.  | T-10727* | 120827-UR  | Shield 40A, Machine  | 1         | 10.                                                 | T-0038   | 044016    | O-Ring                                   | 1         |
| 3.   | T-1564   | 120303     | Deflector            | 1         | #11.                                                | T-4451#  | 120574-UR | Electrode, Extended, Long Life           | 5         |
| *4.  | T-9879*  | 120600-UR  | Retaining Cap        | 1         | #12.                                                | T-4453 # | 120576-UR | Swirl Ring, Long Life                    | 5         |
| NS   | T-3413   | 120600 OEM | Retaining Cap        | 1         | #13.                                                | T-4450 # | 120573-UR | Electrode, Long Life                     | 5         |
| 5.   | T-2847   | 120826     | Nozzle 40A           | 1         | 14.                                                 | T-10269  | 120570    | Torch Main Body with Safety Switch       | 1         |
| 6.   | T-3418   | 120606     | Nozzle 35A, Extended | 1         | NS                                                  | KT-1334  | 129476    | PAC123T® Cable Leads, Hand 7,6m (25')    | 1         |
| 7.   | T-3419   | 120573     | Electrode            | 5         | NS                                                  | KT-1333  | 086002    | PAC123T® Hand Torch with Lead 7,6m (25') | 1         |
| 8.   | T-2298   | 120574     | Electrode, Extended  | 5         | Different types of cable leads available on request |          |           |                                          |           |

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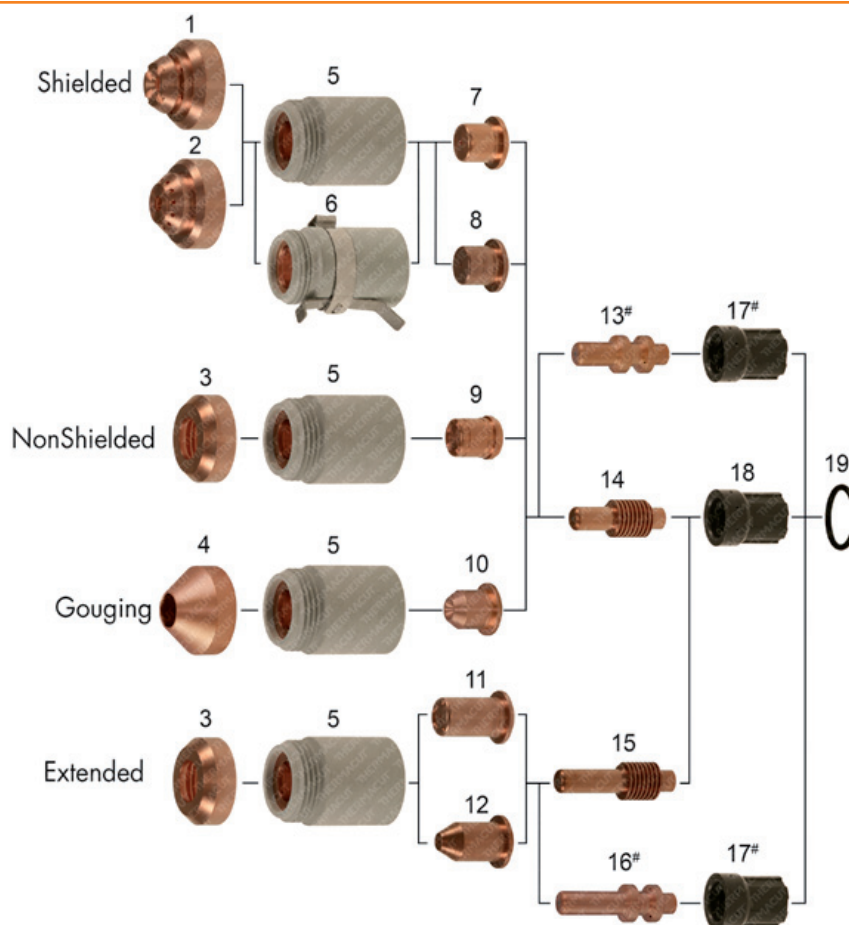
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

**POWERMAX 800®**  
**PAC121T/M®/125T/M®**



| Item | Part No. | Ref. No.   | Description           | Std. Pkg. | Item                                                | Part No. | Ref. No.  | Description                                  | Std. Pkg. |
|------|----------|------------|-----------------------|-----------|-----------------------------------------------------|----------|-----------|----------------------------------------------|-----------|
| *1.  | T-9824*  | 120601-UR  | Shield, Hand          | 1         | 11.                                                 | T-1569   | 120304    | Nozzle, Extended                             | 1         |
|      | T-3410   | 120601     | Shield, Hand          | 1         | 12.                                                 | T-1570   | 120305    | Nozzle, Pipe Saddle, Extended                | 1         |
| *2.  | T-9825*  | 120602-UR  | Shield, Machine       | 1         | NS                                                  | T-9999   | 220330    | Nozzle (PAC123, Finecut)                     | 1         |
|      | T-9602   | 120602     | Shield, Machine       | 1         | #13.                                                | T-4450#  | 120573-UR | Electrode, Long Life                         | 5         |
| 3.   | T-1564   | 120303     | Deflector             | 1         | 14.                                                 | T-3419   | 120573    | Electrode                                    | 5         |
| 4.   | T-3412   | 120608     | Shield, Gouging       | 1         | 15.                                                 | T-2298   | 120574    | Electrode, Extended                          | 5         |
| *5.  | T-9879*  | 120600-UR  | Retaining Cap         | 1         | #16.                                                | T-4451#  | 120574-UR | Electrode, Extended, Long Life               | 5         |
| NS   | T-3413   | 120600 OEM | Retaining Cap         | 1         | #17.                                                | T-4452#  | 020361-UR | Swirl Ring, Long Life                        | 1         |
| *6.  | T-10254* | 120964-UR  | Retaining Cap, Ohmic  | 1         | 18.                                                 | T-0029   | 020361    | Swirl Ring                                   | 1         |
| 7.   | T-1567   | 120282     | Nozzle, 50A, Shielded | 1         | 19.                                                 | T-0038   | 044016    | O-Ring                                       | 1         |
| 8.   | T-3420   | 120438     | Nozzle, 40A, Shielded | 1         | NS                                                  | KT-1297  | 129352    | PAC125T® Cable Leads 7,6m (25') with CC      | 1         |
| 9.   | T-0028   | 020395     | Nozzle, NonShielded   | 10        | NS                                                  | KT-1374  | 083066    | PAC125T® Hand Torch w/ Lead 7,6m (25') w/ CC | 1         |
| 10.  | T-1568   | 120281     | Nozzle, Gouging       | 1         | Different types of cable leads available on request |          |           |                                              |           |

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NS NOT SHOWN IN THE PICTURE

CC CENTRAL CONNECTOR

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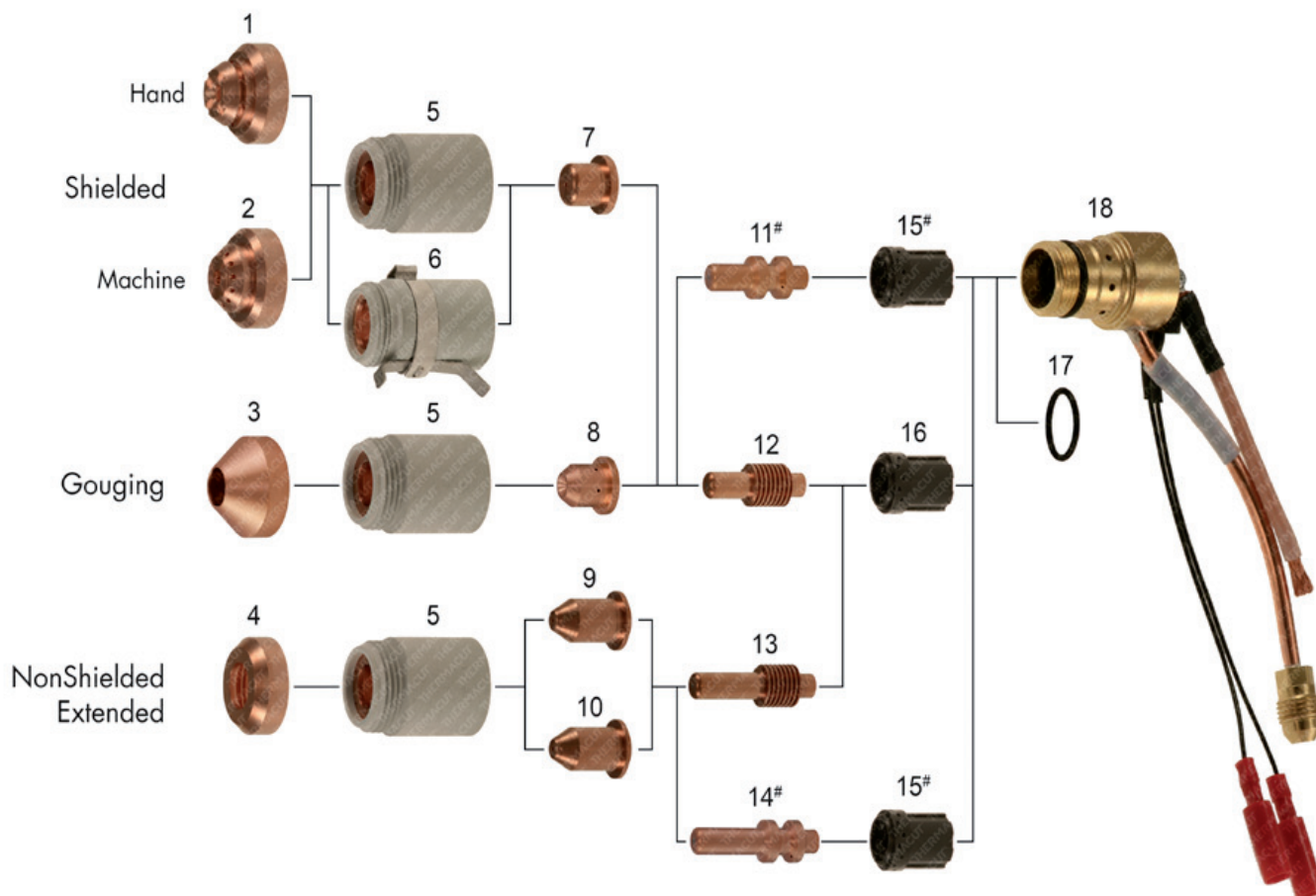
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 900®  
PAC125T/M®



| Item | Part No. | Ref. No.   | Description          | Std. Pkg. | Item                                                | Part No. | Ref. No.  | Description                                  | Std. Pkg. |
|------|----------|------------|----------------------|-----------|-----------------------------------------------------|----------|-----------|----------------------------------------------|-----------|
| *1.  | T-9824*  | 120601-UR  | Shield, Hand         | 1         | NS                                                  | T-9999   | 220330    | Nozzle (PAC123, FireCut)                     | 1         |
|      | T-3410   | 120601     | Shield, Hand         | 1         | #11.                                                | T-4450#  | 120573-UR | Electrode, Long Life                         | 5         |
| *2.  | T-9825*  | 120602-UR  | Shield, Machine      | 1         | 12.                                                 | T-3419   | 120573    | Electrode                                    | 5         |
|      | T-9602   | 120602     | Shield, Machine      | 1         | 13.                                                 | T-2298   | 120574    | Electrode, Extended                          | 5         |
| 3.   | T-3412   | 120608     | Shield, Gouging      | 1         | #14.                                                | T-4451#  | 120574-UR | Electrode, Extended, Long Life               | 5         |
| 4.   | T-1564   | 120303     | Deflector            | 1         | #15.                                                | T-4453#  | 120576-UR | Swirl Ring, Long Life                        | 1         |
| *5.  | T-9879*  | 120600-UR  | Retaining Cap        | 1         | 16.                                                 | T-2230   | 120576    | Swirl Ring                                   | 1         |
| NS   | T-3413   | 120600 OEM | Retaining Cap        | 1         | 17.                                                 | T-0038   | 044016    | O-Ring                                       | 1         |
| *6.  | T-10254* | 120964-UR  | Retaining Cap, Ohmic | 1         | 18.                                                 | T-10269  | 120570    | Torch Main Body With Switch, PAC125T®        | 1         |
| 7.   | T-3414   | 120577     | Nozzle 55A, Shielded | 1         | NS                                                  | KT-1297  | 129352    | PAC125T® Cable Leads 7,6m [25'] with CC      | 1         |
| 8.   | T-3415   | 120607     | Nozzle, Gouging      | 1         | NS                                                  | KT-1374  | 083066    | PAC125T® Hand Torch w/ Lead 7,6m [25'] w/ CC | 1         |
| 9.   | T-3417   | 120578     | Nozzle, Extended 55A | 1         | Different types of cable leads available on request |          |           |                                              |           |
| 10.  | T-3418   | 120606     | Nozzle, Extended 35A | 1         |                                                     |          |           |                                              |           |

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NS NOT SHOWN IN THE PICTURE

CC CENTRAL CONNECTOR

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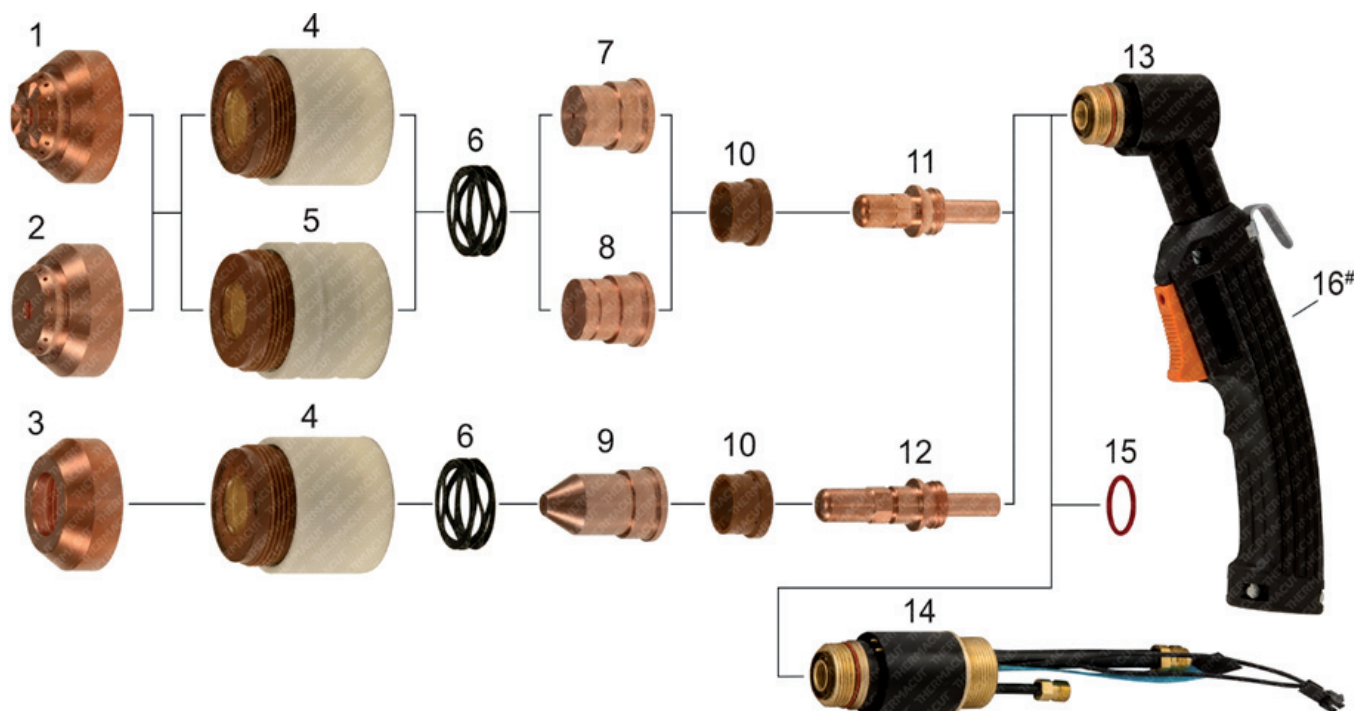
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 1100®  
PAC135T/M®



| Item | Part No. | Ref. No.   | Description     | Std. Pkg. | Item    | Part No. | Ref. No.  | Description                   | Std. Pkg. |
|------|----------|------------|-----------------|-----------|---------|----------|-----------|-------------------------------|-----------|
| 1.   | T-2237   | 120475     | Shield, Hand    | 1         | 9.      | T-2532*  | 120518-UR | Nozzle, Extended              | 1         |
| 2.   | T-2238   | 120516     | Shield, Machine | 1         | 10.     | T-2245   | 120474    | Swirl Ring                    | 1         |
| 3.   | T-2239   | 120519     | Deflector       | 1         | 11.     | T-2246   | 120473    | Electrode                     | 5         |
| 4.   | T-2240   | 120483 OEM | Retaining Cap   | 1         | 12.     | T-2247   | 120517    | Electrode, Extended           | 5         |
| 5.   | T-2241   | 120520 OEM | Retaining Cap   | 1         | 13.,16. | T-0537   | 120477    | PAC135T® Torch, Hand + Handle | 1         |
| 6.   | T-2527   | T-2527     | Tip Spring      | 1         | 14.     | T-2842   | 120508    | PAC135M® Torch Machine        | 1         |
| *7.  | T-2531*  | 120476-UR  | Nozzle 80A      | 1         | 15.     | N-10082  | 1-020S    | O-ring                        | 1         |
| *8.  | T-2530*  | 120515-UR  | Nozzle 40A      | 1         | #16.    | T-1040#  | 9-5636-1  | Handle                        | 1         |

\* FULLY INTERCHANGEABLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN# ONLY FOR THERMACUT TORCH DESIGN

# ONLY FOR THERMACUT TORCH DESIGN

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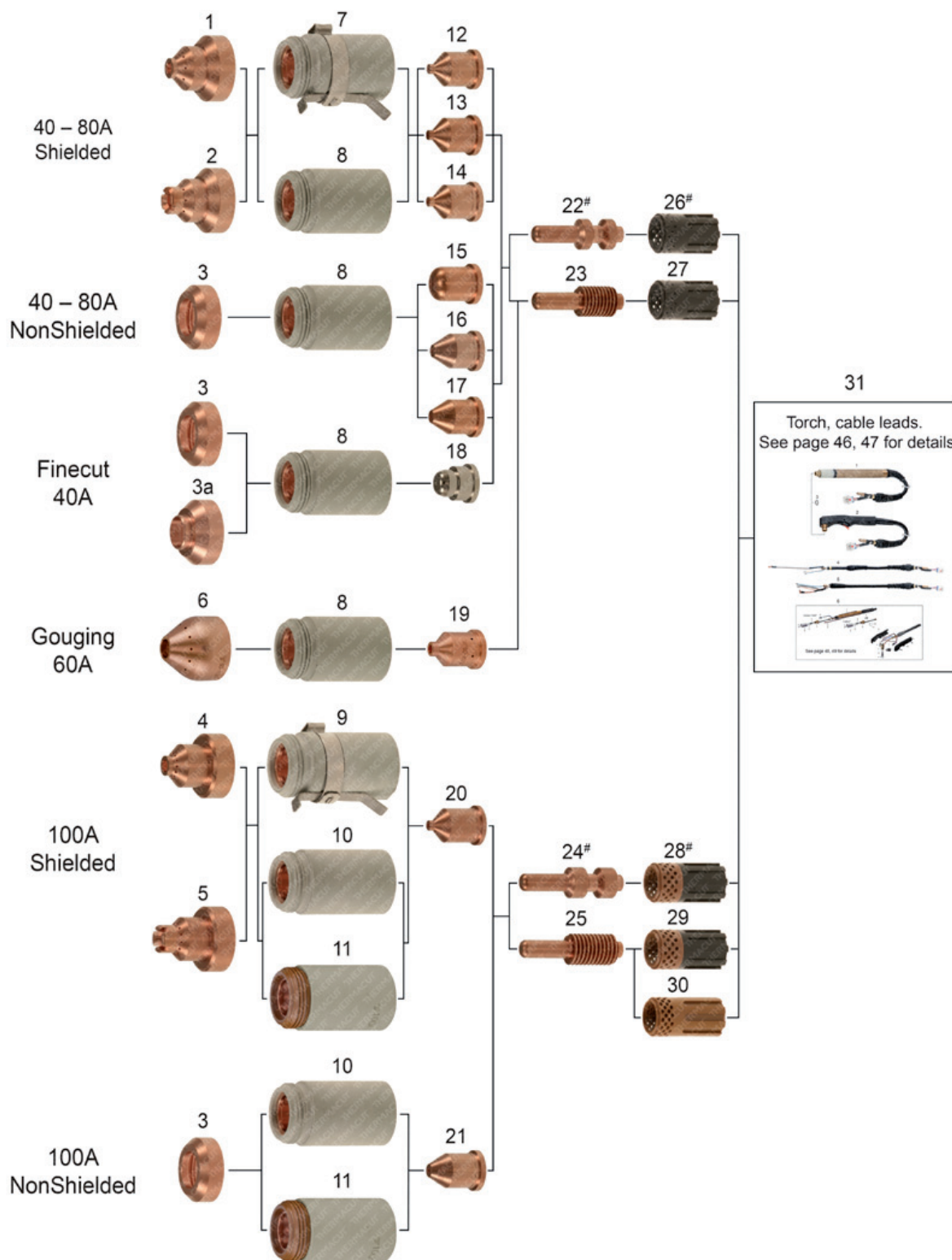
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 1000® / POWERMAX 1250® / POWERMAX 1650®  
T60®/T60M®, T80®/T80M®, T100®/T100M®/T100M-2®



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

**POWERMAX 1000® / POWERMAX 1250® / POWERMAX 1650®  
T60®/T60M®, T80®/T80M®, T100®/T100M®/T100M-2®**

| Item | Part No. | Ref. No.   | Description                      | Std. Pkg | Item | Part No.                                        | Ref. No.  | Description                      | Std. Pkg. |
|------|----------|------------|----------------------------------|----------|------|-------------------------------------------------|-----------|----------------------------------|-----------|
| *1.  | T-9831*  | 120930-UR  | Shield, Machine 40A/60A/80A      | 1        | 16.  | T-4572                                          | 220007    | Nozzle 60A Extended              | 5         |
| *2.  | T-9830*  | 120929-UR  | Shield, Hand 40A/60A/80A         | 1        | 17.  | T-3892                                          | 120980    | Nozzle 80A Extended              | 5         |
| 3.   | T-4188   | 120979     | Deflector 40A/60A/80A/100A       | 1        | 18.  | T-9998                                          | 220329    | Nozzle 40A FineCut®              | 5         |
| 3a.  | T-10410  | 220325 OEM | Deflector, CE 40A FineCut®       | 1        | 19.  | T-11300                                         | 220059    | Nozzle gouging 60–80A            | 5         |
| *4.  | T-9832*  | 220047-UR  | Shield, Machine 100A             | 1        | 20.  | T-8892                                          | 220011    | Nozzle 100A                      | 5         |
| *5.  | T-9833*  | 220065-UR  | Shield, Hand 100A                | 1        | 21.  | T-4190                                          | 220064    | Nozzle 100A Extended             | 5         |
| 6.   | T-11299  | 120977     | Shield gouging 60–100A           | 1        | #22. | T-4454#                                         | 120926-UR | Electrode 40A/60A/80A Long Life  | 5         |
| *7.  | T-10244* | 220061-UR  | Retaining Cap, Ohmic 40A/60A/80A | 1        | 23.  | T-8401                                          | 120926    | Electrode 40A/60A/80A            | 5         |
| *8.  | T-9880*  | 120928-UR  | Retaining Cap 40A/60A/80A        | 1        | #24. | T-4455#                                         | 220037-UR | Electrode 100A, Long Life        | 5         |
| *9.  | T-10245* | 220206-UR  | Retaining Cap, Ohmic 100A        | 1        | 25.  | T-8872                                          | 220037    | Electrode 100A                   | 5         |
| *10. | T-9881*  | 220048-UR  | Retaining Cap 100A               | 1        | #26. | T-4456#                                         | 120925-UR | Swirl Ring 40A/60A/80A Long Life | 1         |
| 11.  | T-8902   | 220048     | Retaining Cap 100A               | 1        | 27.  | T-8400                                          | 120925    | Swirl Ring 40A/60A/80A           | 1         |
| 12.  | T-3891   | 120932     | Nozzle 40A                       | 5        | #28. | T-4457#                                         | 220051-UR | Swirl Ring 100A, Long Life       | 1         |
| 13.  | T-8405   | 120931     | Nozzle 60A                       | 5        | *29. | T-9923*                                         | 220051-AB | Swirl Ring 100A                  | 1         |
| 14.  | T-3890   | 120927     | Nozzle 80A                       | 5        | 30.  | T-11288                                         | 220051    | Swirl Ring 100A                  | 1         |
| 15.  | T-3889   | 220006     | Nozzle 40A Extended              | 5        | 31.  | Torch, cable leads. See page 46, 47 for details |           |                                  |           |

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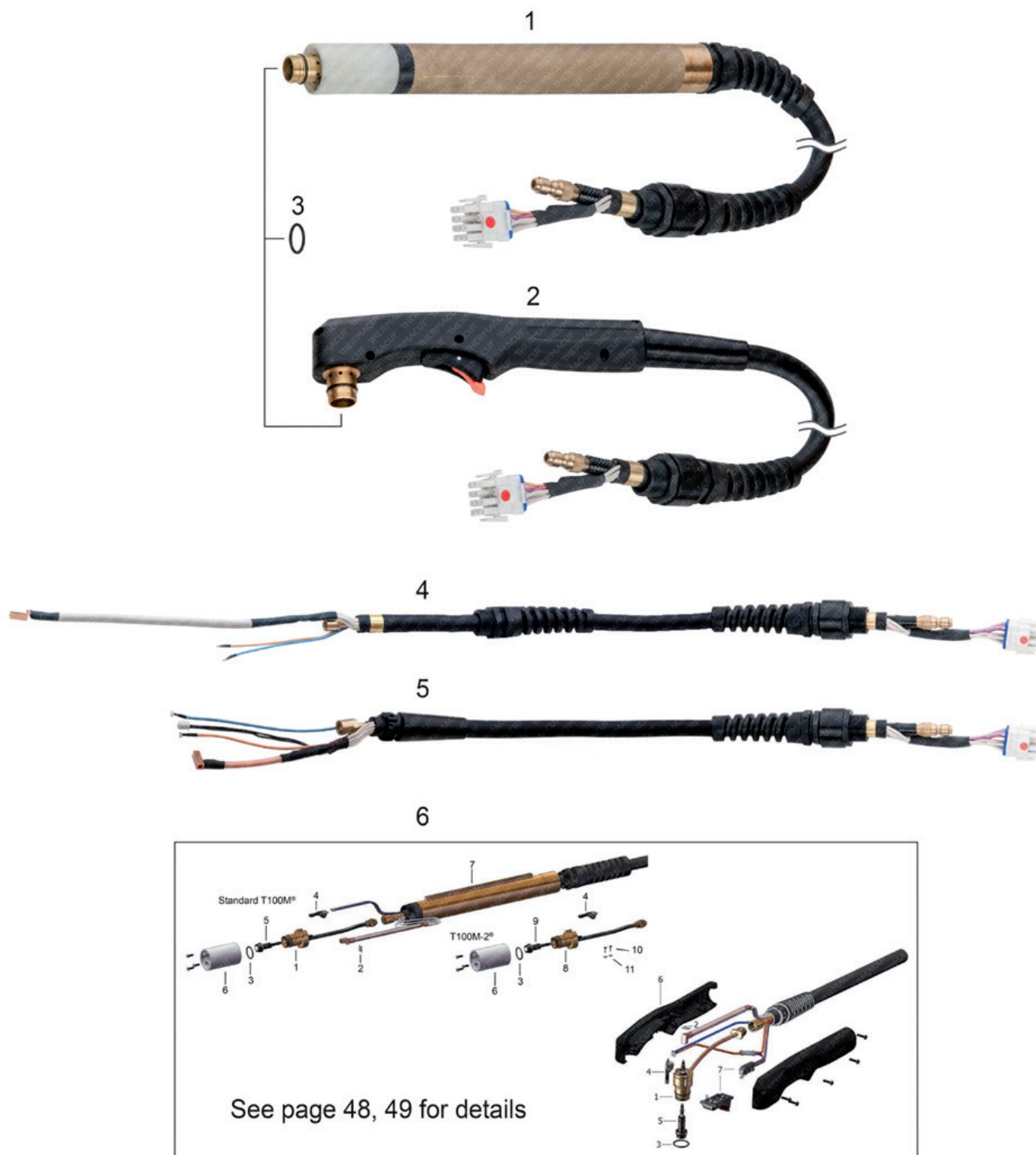
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

POWERMAX 1000® / POWERMAX 1250® / POWERMAX 1650®  
T60®/T60M® torch, T80®/T80M® torch, T100®/T100M® torch



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

**POWERMAX 1000® / POWERMAX 1250® / POWERMAX 1650®  
T60®/T60M® torch, T80®/T80M® torch, T100®/T100M® torch**

| Item | Part No. | Ref. No.  | Description                                   | Std. Pkg. | Item                                               | Part No. | Ref. No.       | Description                                  | Std. Pkg. |
|------|----------|-----------|-----------------------------------------------|-----------|----------------------------------------------------|----------|----------------|----------------------------------------------|-----------|
| *1.  | KT-1194* | 083175-UR | T60M* Machine Torch with Leads 4,6m (15')     | 1         | *2.                                                | KT-1149* | 059270-UR      | T100* Hand Torch with Leads 15,2m (50')      | 1         |
| *1.  | KT-1138* | 083174-UR | T60M* Machine Torch with Leads 7,6m (25')     | 1         | 3.                                                 | T-4510   | 058519         | O-Ring                                       | 1         |
| *1.  | KT-1195* | 083176-UR | T60M* Machine Torch with Leads 10,7m (35')    | 1         | *4.                                                | KT-1136* | 128681-UR      | T60* Cable Leads, Hand 7,6m (25')            | 1         |
| *1.  | KT-1196* | 083177-UR | T60M* Machine Torch with Leads 15,2m (50')    | 1         | *4.                                                | KT-1140* | 128682-UR      | T60* Cable Leads, Hand 15,2m (50')           | 1         |
| *1.  | KT-1193* | 087003-UR | T80M* Machine Torch with Leads 4,6m (15')     | 1         | *5.                                                | KT-1192* | 128634-UR      | T60M**T80M* Cable Leads, Machine 4,6m (15')  | 1         |
| *1.  | KT-1134* | 087004-UR | T80M* Machine Torch with Leads 7,6m (25')     | 1         | *5.                                                | KT-1133* | 128633-UR      | T60M**T80M* Cable Leads, Machine 7,6m (25')  | 1         |
| *1.  | KT-1184* | 087005-UR | T80M* Machine Torch with Leads 10,7m (35')    | 1         | *5.                                                | KT-1183* | 128635-UR      | T60M**T80M* Cable Leads, Machine 10,7m (35') | 1         |
| *1.  | KT-1163* | 087006-UR | T80M* Machine Torch with Leads 15,2m (50')    | 1         | *5.                                                | KT-1162* | 128641-UR      | T60M**T80M* Cable Leads, Machine 15,2m (50') | 1         |
| *1.  | KT-1124* | 059265-UR | T100M* Machine Torch with Leads 7,6m (25')    | 1         | *4.                                                | KT-1130* | 128637-UR      | T80* Cable Leads, Hand 7,6m (25')            | 1         |
| *1.  | KT-1170* | 059268-UR | T100M* Machine Torch with Leads 10,7m (35')   | 1         | *4.                                                | KT-1144* | 128636-UR      | T80* Cable Leads, Hand 15,2m (50')           | 1         |
| *1.  | KT-1175* | 059272-UR | T100M* Machine Torch with Leads 15,2m (50')   | 1         | *4.                                                | KT-1146* | 128893-UR      | T80* Cable Leads, Hand 22,9m (75')           | 1         |
| *1.  | KT-1395* | 059325-UR | T100M-2* Machine Torch with Leads 15,2m (50') | 1         | *4.                                                | KT-1121* | 128755-UR      | T100* Cable Leads, Hand 7,6m (25')           | 1         |
| *1.  | KT-1259* | 059303-UR | T100M* Machine Torch with Leads 22,9m (75')   | 1         | *4.                                                | KT-1148* | 128752-UR      | T100* Cable Leads, Hand 15,2m (50')          | 1         |
| *2.  | KT-1137* | 083172-UR | T60* Hand Torch with Leads 7,6m (25')         | 1         | *5.                                                | KT-1122* | 128753-UR      | T100M* Cable Leads, Machine 7,6m (25')       | 1         |
| *2.  | KT-1141* | 083171-UR | T60* Hand Torch with Leads 15,2m (50')        | 1         | *5.                                                | KT-1169* | 128751-UR      | T100M* Cable Leads, Machine 10,7m (35')      | 1         |
| *2.  | KT-1143* | 083208-UR | T60* Hand Torch with Leads 22,9m (75')        | 1         | *5.                                                | KT-1174* | 128759-UR      | T100M* Cable Leads, Machine 15,2m (50')      | 1         |
| *2.  | KT-1131* | 087001-UR | T80* Hand Torch with Leads 7,6m (25')         | 1         | *5.                                                | KT-1258  | KT100M.22,9M.K | T100M® Cable Leads, Machine 22,9m (75')      | 1         |
| *2.  | KT-1145* | 087002-UR | T80* Hand Torch with Leads 15,2m (50')        | 1         | *5.                                                | KT-1396* | 228224-UR      | T100M-2* Cable Leads, Machine 15,2m (50')    | 1         |
| *2.  | KT-1147* | 087047-UR | T80* Hand Torch with Leads 22,9m (75')        | 1         | 6. Torch, cable leads. See page 48, 49 for details |          |                |                                              |           |
| *2.  | KT-1123* | 059264-UR | T100* Hand Torch with Leads 7,6m (25')        | 1         |                                                    |          |                |                                              |           |

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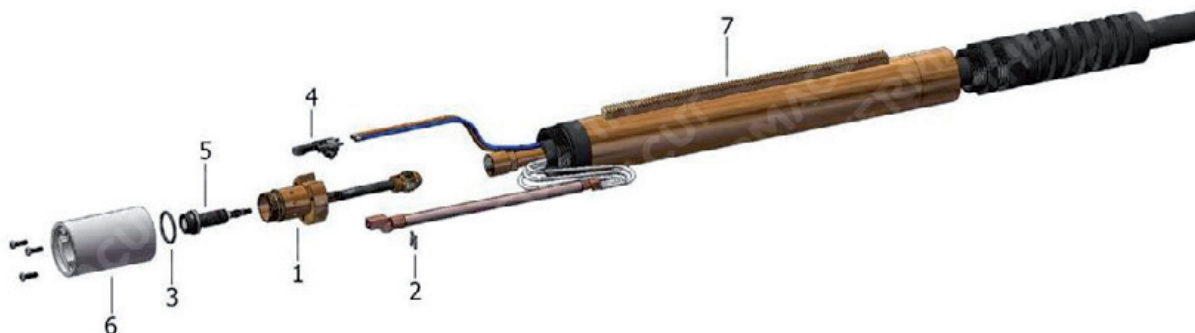
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

## POWERMAX 1000® / POWERMAX 1250® T60M®/T80M® machine torch



| Item | Part No. | Ref. No.   | Description                                       | Std. Pkg. | Item  | Part No.  | Ref. No.  | Description                                       | Std. Pkg. |
|------|----------|------------|---------------------------------------------------|-----------|-------|-----------|-----------|---------------------------------------------------|-----------|
| *1.  | T-10319* | 128640-UR  | T60M®/T80M® Torch Body Kit (Incl. items: 1,2,3,5) | 1         | *5.   | T-10253*  | 128521-UR | T60®, T80®/T60M®, T80M® Torch Head Repair Kit     | 1         |
| 2.   | T-10237  | 027889 OEM | Retaining Clip                                    | 1         | *6.   | PT-12161* | 128643-UR | Torch Mounting Sleeve Replacement Kit With Screws | 1         |
| 3.   | T-4510   | 058519     | O-Ring                                            | 1         | 7.    | T-12159   | 128710    | Torch Positioning Sleeve                          | 1         |
| *4.  | T-10615* | 128639-UR  | TMT Cap-off Sensor Replacement Kit With Screws    | 1         | 1.-5. | T-10845   | T-10845   | T80M® Torch Body + Cap Sensor                     | 1         |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

## POWERMAX 1000® / POWERMAX 1250® T60®/T80® hand torch



| Item | Part No. | Ref. No.   | Description                                     | Std. Pkg. | Item  | Part No. | Ref. No.  | Description                         | Std. Pkg. |
|------|----------|------------|-------------------------------------------------|-----------|-------|----------|-----------|-------------------------------------|-----------|
| *1.  | T-10281* | 128564-UR  | T60®/T80® Torch Body Kit (Incl. items: 1,2,3,5) | 1         | #6.   | T-10623# | 128644-UR | TMT Handle Kit With Screws          | 1         |
| 2.   | T-10237  | 027889 OEM | Retaining Clip                                  | 1         | #7.   | T-10849# | T-10849   | Trigger + Switch                    | 1         |
| 3.   | T-4510   | 058519     | O-Ring                                          | 1         | 4.-7. | T-10838  | T-10838   | T60®/T80®/T100® Handle Repl. Assy   | 1         |
| #4.  | T-10615# | 128639-UR  | TMT Cap-off Sensor Replacement Kit With Screws  | 1         | 1.-7. | T-10839  | T-10839   | T60®/T80® Torch + Handle Repl. Assy | 1         |
| *5.  | T-10253* | 128521-UR  | T60®, T80®/T60M®, T80M® Torch Head Repair Kit   | 1         | 1.-5. | T-10846  | T-10846   | T80® Torch Body + Cap Sensor        | 1         |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

# MUST BE USED ONLY AS A SET OF ITEMS 4, 6, 7, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

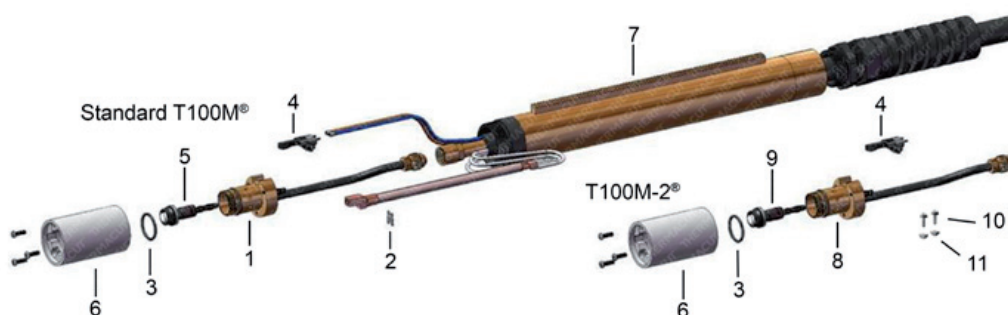
## POWERMAX 1650®

### T100M®, T100M-2® machine torch

T100M® back view



T100M-2® back view

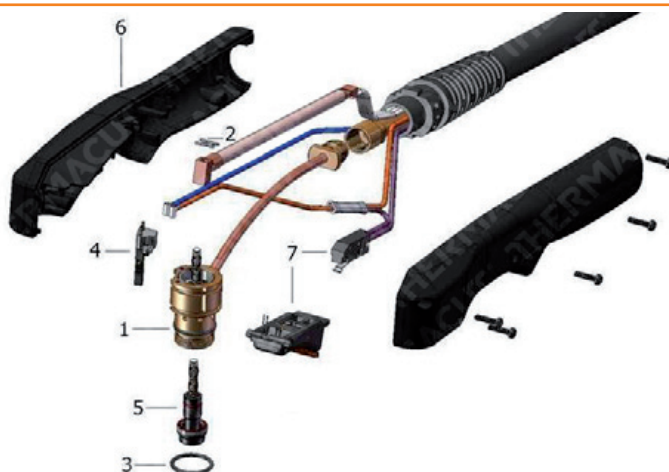


| Item | Part No.  | Ref. No.   | Description                                       | Std. Pkg. | Item  | Part No. | Ref. No.  | Description                                        | Std. Pkg. |
|------|-----------|------------|---------------------------------------------------|-----------|-------|----------|-----------|----------------------------------------------------|-----------|
| *1.  | T-10446*  | 128754-UR  | T100M® Torch Body Kit (Incl. items:2,3,5)         | 1         | 7.    | T-12159  | 128710    | Torch Positioning Sleeve                           | 1         |
| 2.   | T-10237   | 027889 OEM | Retaining Clip                                    | 1         | 1.-5. | T-10847  | T-10847   | T100M® Torch Body + Cap Sensor                     | 1         |
| 3.   | T-4510    | 058519     | O-Ring                                            | 1         | *8    | T-11291  | 228523-UR | T100M-2® Torch Body Kit (incl. items 3, 9, 10, 11) | 1         |
| *4.  | T-10615*  | 128639-UR  | TMT Cap-off Sensor Replacement Kit With Screws    | 1         | *9    | T-11292  | 228522-UR | T100M-2® Torch Head Repair Kit                     | 1         |
| *5.  | T-10473*  | 128768-UR  | T100®/T100M® Torch Head Repair Kit                | 1         | 10.   | T-11344  | 075473    | Machine Screws                                     | 2         |
| *6.  | PT-12161* | 128643-UR  | Torch Mounting Sleeve Replacement Kit With Screws | 1         | 11.   | T-11345  | 075503    | Lock Nuts                                          | 2         |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

## POWERMAX 1650®

### T100® hand torch



| Item | Part No. | Ref. No.   | Description                                    | Std. Pkg. | Item  | Part No. | Ref. No.  | Description                       | Std. Pkg. |
|------|----------|------------|------------------------------------------------|-----------|-------|----------|-----------|-----------------------------------|-----------|
| *1.  | T-10444* | 128767-UR  | T100® Torch Body Kit (Incl. items:2,3,5)       | 1         | #6.   | T-10623# | 128644-UR | TMT Handle Kit With Screws        | 1         |
| 2.   | T-10237  | 027889 OEM | Retaining Clip                                 | 1         | #7.   | T-10849# | T-10849   | Trigger + Switch                  | 1         |
| 3.   | T-4510   | 058519     | O-Ring                                         | 1         | 4.-7. | T-10838  | T-10838   | T60®/T80®/T100® Handle Repl. Assy | 1         |
| #4.  | T-10615# | 128639-UR  | TMT Cap-off Sensor Replacement Kit With Screws | 1         | 1.-7. | T-10840  | T-10840   | T100® Torch Handle Repl. Assy     | 1         |
| *5.  | T-10473* | 128768-UR  | T100®/T100M® Torch Head Repair Kit             | 1         | 1.-5. | T-10848  | T-10848   | T100® Torch Body + Cap Sensor     | 1         |

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# MUST BE USED ONLY AS A SET OF ITEMS 4, 6, 7, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

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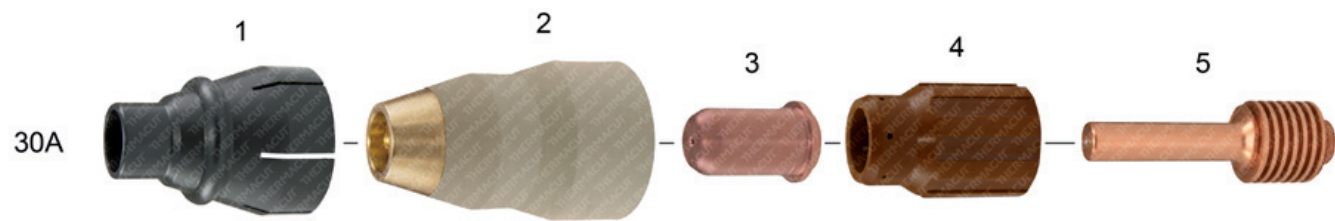
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REPLACEMENT PARTS SUITABLE FOR  
HYPERTHERM®

POWERMAX 30®  
T30v® hand torch



| Item          | Part No. | Ref. No.   | Description   | Std. Pkg. | Item | Part No. | Ref. No.   | Description | Std. Pkg. |
|---------------|----------|------------|---------------|-----------|------|----------|------------|-------------|-----------|
| 1.            | T-10777  | 220569 OEM | Deflector     | 1         | 4.   | T-11235  | 220479     | Swirl Ring  | 1         |
| <b>NEW</b> 2. | T-11279* | 220483-UR  | Retaining Cap | 1         | 5.   | T-10758  | 220478 OEM | Electrode   | 5         |
| 3.            | T-11234  | 220480     | Nozzle        | 1         |      |          |            |             |           |

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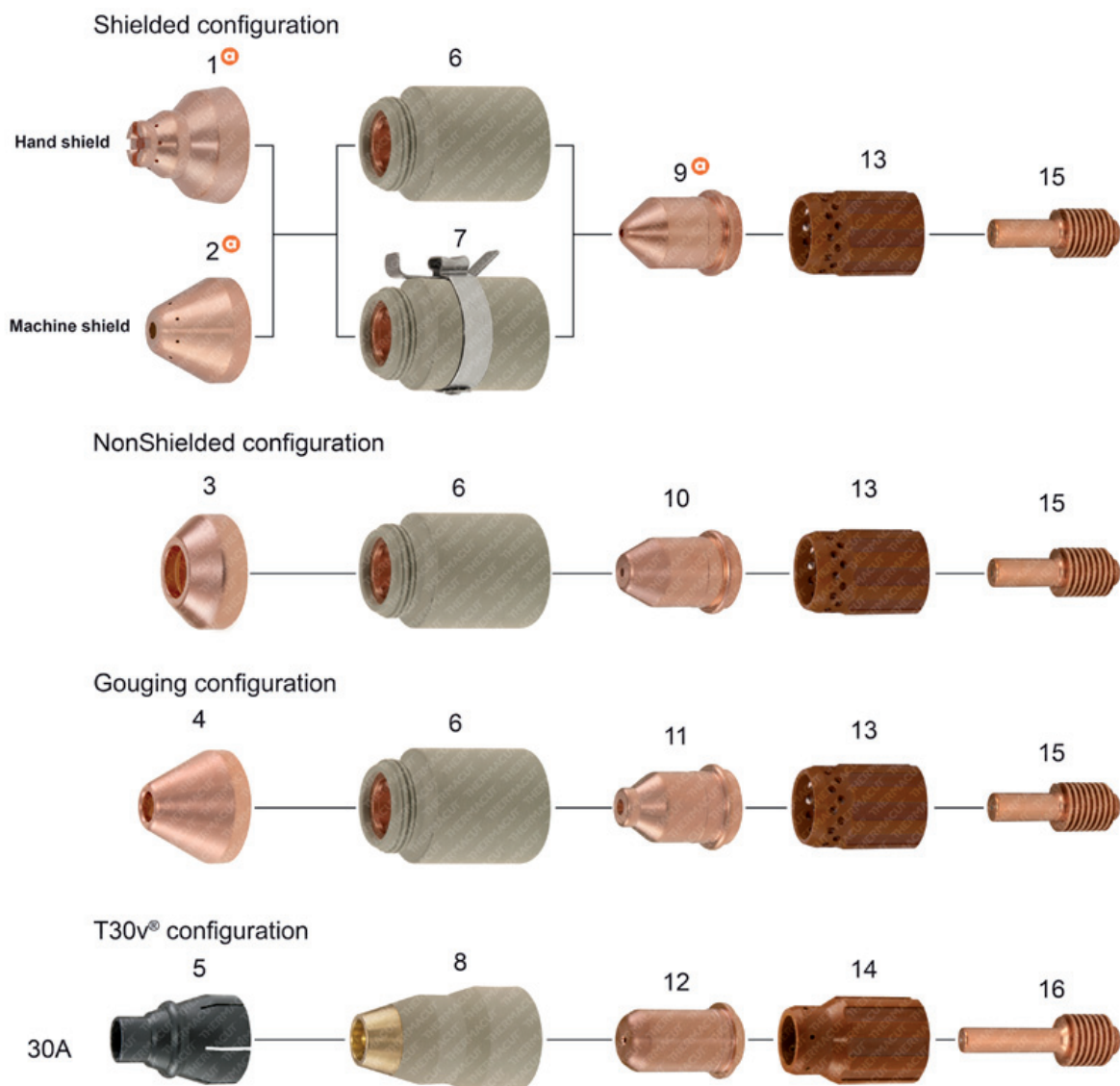
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

## POWERMAX 45®

### T30v®/T45v® hand torch, T45m® machine torch



| Item   | Part No. | Ref. No.   | Description                         | Std. Pkg. | Item    | Part No. | Ref. No.   | Description        | Std. Pkg. |
|--------|----------|------------|-------------------------------------|-----------|---------|----------|------------|--------------------|-----------|
| NEW 1. | T-11393  | 220674-UR  | Shield - hand cutting               | 1         | NEW 9.  | T-11395  | 220671-UR  | Nozzle-Shielded    | 5         |
| NEW 2. | T-11398  | 220673-UR  | Shield - machine cutting            | 1         | 10.     | T-11214  | 220718     | Nozzle-NonShielded | 5         |
| 3.     | T-11213  | 220717     | Deflector                           | 1         | NEW 11. | T-11394  | 220672     | Nozzle-Gouging     | 5         |
| NEW 4. | T-11392  | 220675     | Shield-Gouging                      | 1         | 12.     | T-11234  | 220480     | Nozzle 30A         | 5         |
| 5.     | T-10777  | 220569 OEM | Deflector (optional)                | 1         | 13.     | T-11212  | 220670     | Swirl Ring 45A     | 1         |
| NEW 6. | T-11237* | 220713-UR  | Retaining Cap 45A (without IHS tab) | 1         | 14.     | T-11235  | 220479     | Swirl Ring 30A     | 1         |
| NEW 7. | T-11391* | 220719-UR  | Retaining Cap 45A (with IHS tab)    | 1         | 15.     | T-11236  | 220669     | Electrode 45A      | 5         |
| NEW 8. | T-11279* | 220483-UR  | Retaining Cap 30A                   | 1         | 16.     | T-10758  | 220478 OEM | Electrode 30A      | 5         |

⊕ MUST BE USED ONLY AS A SET OF SHIELD AND NOZZLE, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

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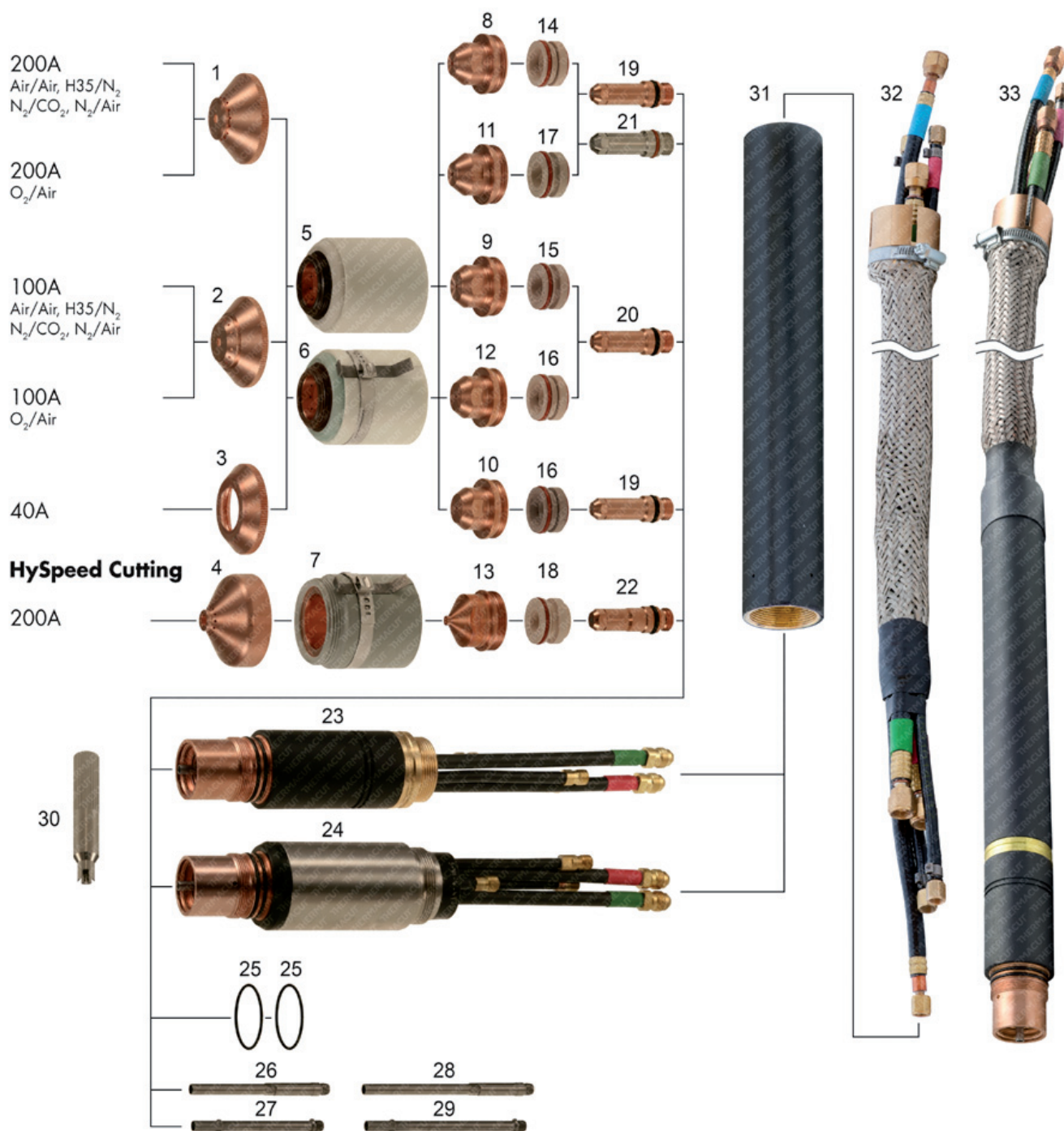
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HySpeed® HT2000®  
PAC200/T®



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HySpeed® HT2000®  
PAC200/T®

| Item | Part No. | Ref. No.  | Description                             | Std. Pkg. | Item                                                | Part No. | Ref. No.  | Description                                               | Std. Pkg. |
|------|----------|-----------|-----------------------------------------|-----------|-----------------------------------------------------|----------|-----------|-----------------------------------------------------------|-----------|
| *1.  | T-4463*  | 020424-UR | Shield, Machine 200A                    | 1         | 19.                                                 | T-0998   | 120667    | Electrode 40A, 200A                                       | 1         |
|      | T-0365   | 020424    | Shield, Machine 200A                    | 1         | 20.                                                 | T-0773   | 120547    | Electrode 100A, 200A                                      | 5         |
| 2.   | T-0366   | 020448    | Shield, Machine 100A                    | 1         | NS                                                  | T-2838   | 120258    | Electrode 200A, Extended                                  | 1         |
| 3.   | T-0368   | 020688    | Shield, Machine 40A                     | 1         | 21.                                                 | T-4901   | 020664-AG | Electrode, Silver, 40A, 200A                              | 5         |
| *NS  | T-10317* | 120260-UR | Shield 200A, O <sub>2</sub> /Air, Bevel | 1         | 22.                                                 | T-8859   | 220235    | Electrode HySpeed® 200A                                   | 5         |
| *4.  | T-4462*  | 220239-UR | Shield HySpeed® 200A                    | 1         | *                                                   | T-10261* | 220235-UR | Electrode HySpeed® 200A                                   | 5         |
| 5.   | T-0370   | 020423    | Retaining Cap                           | 1         | *NS                                                 | T-0382*  | 020415-UR | Electrode N <sub>2</sub> /ArH <sub>2</sub>                | 5         |
| 6.   | T-10242  | 120837    | Retaining Cap, Ohmic                    | 1         | 23.                                                 | T-9757   | 120584    | Max200®/HT2000®, Machine Torch Main Body (same as 020470) | 1         |
| *7.  | T-10243* | 220242-UR | Retaining Cap HySpeed®, Ohmic           | 1         | 24.                                                 | T-4066   | 120356    | Max200®/HT2000®, S.S. Machine Torch Main Body             | 1         |
| *NS  | T-10304* | 220238-UR | Retaining Cap HySpeed®                  | 1         | 25.                                                 | T-0383   | 044027    | O-Ring                                                    | 1         |
| 8.   | T-0372   | 020608    | Nozzle 200A                             | 1         | #26.                                                | T-1813   | 020963    | Water Tube, OEM Torch                                     | 1         |
| 9.   | T-0373   | 020611    | Nozzle 100A                             | 1         | **27.                                               | T-4119   | T-4119    | Water Tube, TMT/OEM Torch                                 | 1         |
| 10.  | T-0376   | 020689    | Nozzle 40A                              | 1         | #28.                                                | T-10876  | 120257    | Water Tube Extended, OEM Torch                            | 1         |
| 11.  | T-0371   | 020605    | Nozzle 200A, O <sub>2</sub>             | 1         | **29.                                               | PT-11557 | T-4120    | Water Tube Extended, TMT/OEM Torch                        | 1         |
| 12.  | T-1045   | 020690    | Nozzle 100A                             | 1         | 30.                                                 | T-1397   | T-1397    | Water Tube Wrench, TMT                                    | 1         |
| NS   | T-2839   | 120259    | Nozzle 200A, O <sub>2</sub> /Air, Bevel | 1         | 31.                                                 | T-0386   | 020431    | Sleeve, insul., 1.75" dia. (for 120584)                   | 1         |
| 13.  | T-8860   | 220237    | Nozzle HySpeed® 200A                    | 1         | NS                                                  | T-1001   | 020041    | Sleeve, insul., 2.0" dia. (for 120356)                    | 1         |
| 14.  | T-1047   | 020679    | Swirl Ring 200A                         | 1         | 32.                                                 | KT-1412  | 028659    | HT2000® Cable Leads, 6,1m (20')                           | 1         |
| 15.  | T-0378   | 020607    | Swirl Ring 100A                         | 1         |                                                     | KT-1213  | 028546    | HT2000® Cable Leads, 7,6m (25')                           | 1         |
| 16.  | T-0379   | 020613    | Swirl Ring 40A, 100A                    | 1         |                                                     | KT-1085  | 028662    | HT2000® Cable Leads, 12,2m (40')                          | 1         |
| 17.  | T-1046   | 120833    | Swirl Ring 200A, O <sub>2</sub>         | 1         |                                                     | KT-1081  | 028547    | HT2000® Cable Leads, 15,2m (50')                          | 1         |
|      | T-10945  | 120834    | Swirl Ring 200A, O <sub>2</sub> CCW     | 1         | 33.                                                 |          |           | Cable with torch available on request.                    |           |
| 18.  | T-10318  | 220236    | Swirl Ring HySpeed® 200A                | 1         | Different types of cable leads available on request |          |           |                                                           |           |

# COMPATIBLE WITH OEM TORCH ONLY, DOESN'T FIT TO THERMACUT TORCH

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\*\* COMPATIBLE WITH THERMACUT AND OEM TORCH

-AG HEAVY DUTY ELECTRODE, OFFERS BETTER LIFETIME

CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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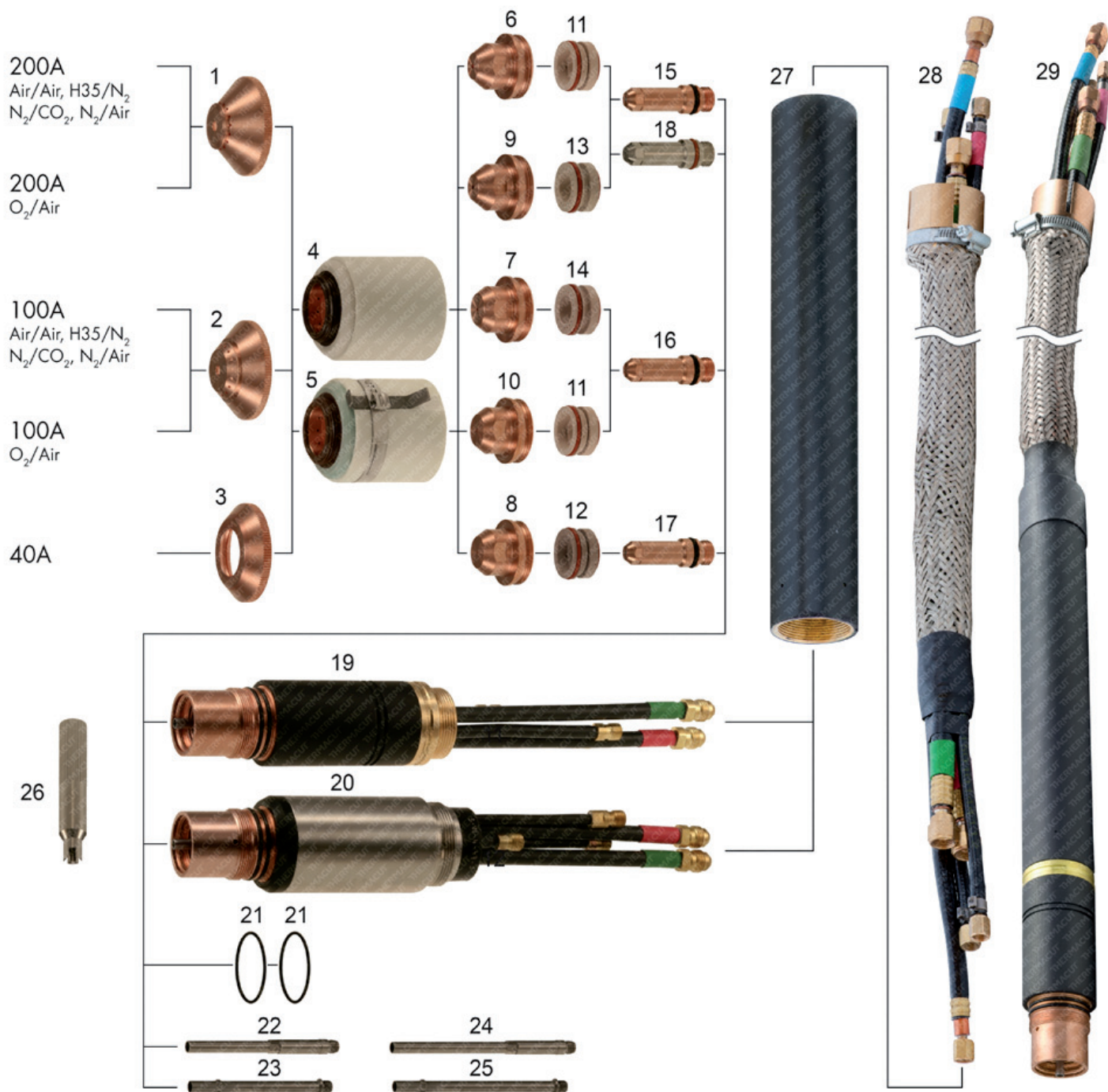
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX200®  
PAC200T/E®



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

MAX200®  
PAC200T/E®

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|------|----------|-----------|-------------------------------------------------------|-----------|-----------------------------------------------------|----------|----------------|-----------------------------------------------------------------|-----------|
| *1.  | T-4463*  | 020424-UR | Shield, Machine 200A                                  | 1         | 19.                                                 | T-0384   | 020470         | Max200®, Machine Torch Main Body (same as 120584)               | 1         |
|      | T-0365   | 020424    | Shield, Machine 200A                                  | 1         | 20.                                                 | T-4066   | 120356         | Max200®/HT2000®, S.S. Machine Torch Main Body                   | 1         |
| 2.   | T-0366   | 020448    | Shield, Machine 100A                                  | 1         | 21.                                                 | T-0383   | 044027         | O-Ring                                                          | 1         |
| 3.   | T-0368   | 020688    | Shield, Machine 40A                                   | 1         | #22.                                                | T-1813   | 020963         | Water Tube, OEM Torch                                           | 1         |
| 4.   | T-0370   | 020423    | Retaining Cap                                         | 1         | **23.                                               | T-4119   | T-4119         | Water Tube, TMT/OEM Torch                                       | 1         |
| 5.   | T-10242  | 120837    | Retaining Cap, Ohmic                                  | 1         | #24.                                                | T-10876  | 120257         | Water Tube Extended, OEM Torch                                  | 1         |
| 6.   | T-0372   | 020608    | Nozzle 200A                                           | 1         | **25.                                               | PT-11557 | T-4120         | Water Tube Extended, TMT/OEM Torch                              | 1         |
| 7.   | T-0373   | 020611    | Nozzle 100A                                           | 1         | 26.                                                 | T-1397   | T-1397         | Water Tube Wrench, TMT                                          | 1         |
| 8.   | T-0376   | 020689    | Nozzle 40A                                            | 1         | 27.                                                 | T-0386   | 020431         | Sleeve, insul., 1.75" dia. (for 020470)                         | 1         |
| 9.   | T-0371   | 020605    | Nozzle O <sub>2</sub> 200A                            | 1         | NS                                                  | T-1001   | 020041         | Sleeve, insul., 2.0" dia. (for 120356)                          | 1         |
| 10.  | T-0375   | 020616    | Nozzle O <sub>2</sub> 100A                            | 1         | 28.                                                 | KT-1132  | 028383         | MAX200® Cable Leads, Mach. 7,6m (25')                           | 1         |
| 11.  | T-0378   | 020607    | Swirl Ring 100A, 200A                                 | 1         |                                                     | KT-1317  | 028458         | MAX200® Cable Leads, Mach. 10,7m (35')                          | 1         |
| 12.  | T-0379   | 020613    | Swirl Ring 40A                                        | 1         |                                                     | KT-1212  | 028459         | MAX200® Cable Leads, Mach. 12,2m (40')                          | 1         |
| 13.  | T-0377   | 020604    | Swirl Ring O <sub>2</sub> 200A                        | 1         |                                                     | KT-1072  | 028384         | MAX200® Cable Leads, Mach. 15,2m (50')                          | 1         |
| 14.  | T-0380   | 020617    | Swirl Ring O <sub>2</sub> 100A                        | 1         |                                                     | KT-1078  | K.MAX200.21M.K | MAX200® Cable Leads, Mach. 21m (69')                            | 1         |
| *15. | T-3926*  | 220021-UR | Electrode 40A, 200A                                   | 1         |                                                     | KT-1161  | 028599         | MAX200® Cable Leads, Mach. 22,9m (75')                          | 1         |
| NS   | T-2838   | 120258    | Electrode 200A, Extended                              | 5         | 29.                                                 | KT-1167  | K.MAX200.7,6M  | MAX200® Mach. Torch with Leads 7,6m (25')                       | 1         |
| 16.  | T-0773   | 120547    | Electrode 100A, 200A                                  | 5         |                                                     | KT-1059  | K.MAX200.10,7M | MAX200® Mach. Torch with Leads 10,7m (35')                      | 1         |
| 17.  | T-0998   | 120667    | Electrode 40A, 200A                                   | 5         |                                                     | KT-1168  | K.MAX200.15,2M | MAX200® Mach. Torch with Leads 15,2m (50')                      | 1         |
| 18.  | T-4901   | 020664-AG | Electrode, Silver 40A, 200A                           | 5         |                                                     | KT-1248  | DEMO MAX200    | Max200 Machine Torch with Leads (sample piece), exhibition only | 1         |
| NS   | T-0382   | 020415-UR | Electrode N <sub>2</sub> /ArH <sub>2</sub> 100A, 200A | 5         | Different types of cable leads available on request |          |                |                                                                 |           |

- # COMPATIBLE WITH OEM TORCH ONLY, DOESN'T FIT TO THERMACUT TORCH  
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 \*\* COMPATIBLE WITH THERMACUT AND OEM TORCH  
 -AG HEAVY DUTY ELECTRODE, OFFERS BETTER LIFETIME

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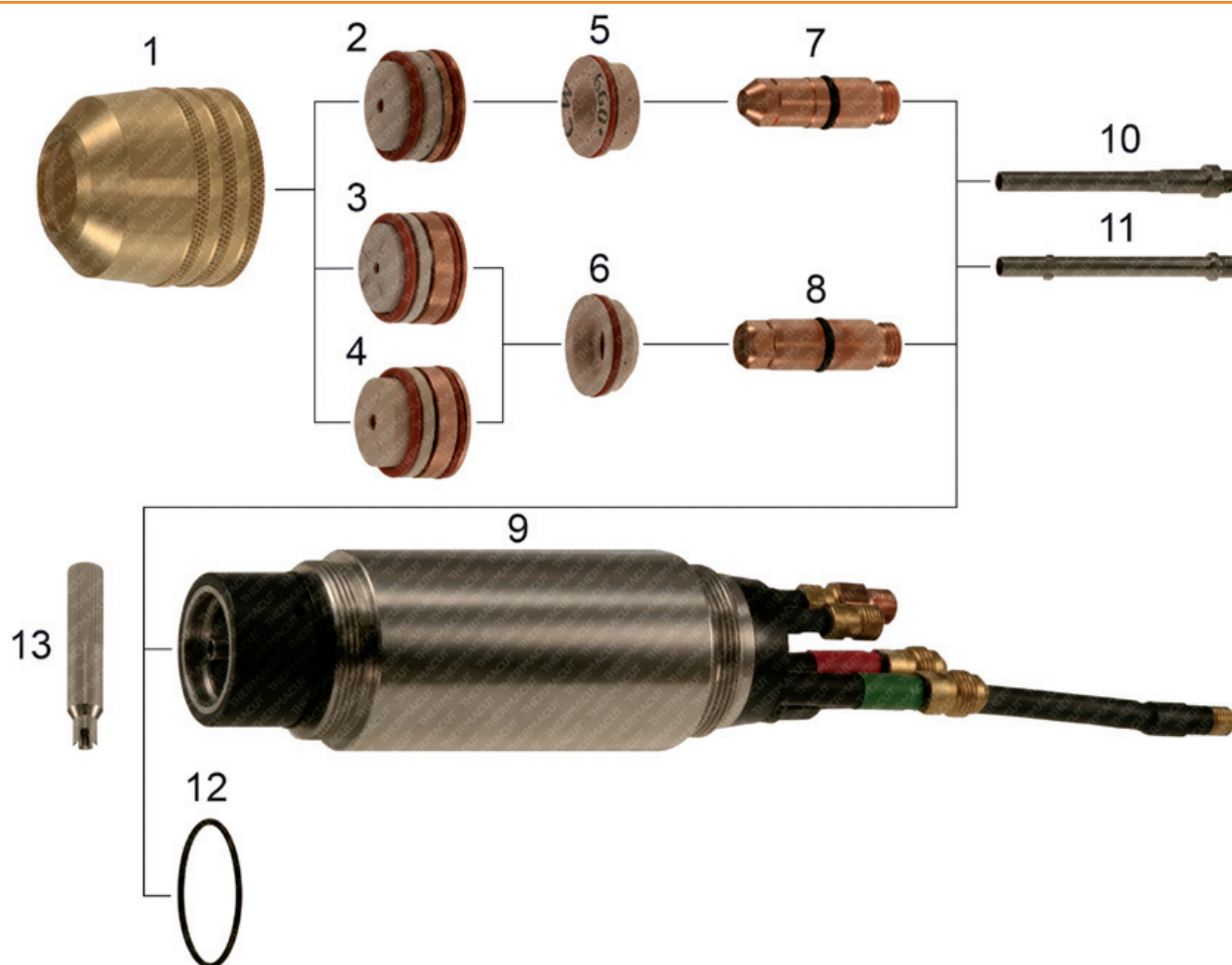
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

## HT400®



| Item | Part No. | Ref. No.   | Description                                         | Std. Pkg. | Item                                                | Part No. | Ref. No.        | Description                                         | Std. Pkg. |
|------|----------|------------|-----------------------------------------------------|-----------|-----------------------------------------------------|----------|-----------------|-----------------------------------------------------|-----------|
| 1.   | T-0088   | 020579     | Cap, Nozzle Retaining                               | 1         | **11.                                               | T-1388   | 020990-UR       | Water Tube: PAC400®/PAC600®/PAC170® (For TMT Torch) | 1         |
| 2.   | T-0078   | 020086     | Nozzle, .099 Oxygen                                 | 1         | 12.                                                 | T-1006   | 044028          | O-Ring                                              | 1         |
| 3.   | T-0079   | 020089     | Nozzle, .120 Nitrogen                               | 1         | 13.                                                 | T-1397   | T-1397          | Wrench for TMT Water Tube                           | 1         |
| 4.   | T-0080   | 020084     | Nozzle, .166 Nitrogen                               | 1         | NS                                                  | KT-1214  | 028139          | HT400®, PAC500® Cable Leads, 6,1m (20')             | 1         |
| 5.   | T-0081   | 020096     | Swirl Ring, Oxygen                                  | 1         | NS                                                  | KT-1154  | 028140          | HT400®, PAC500® Cable Leads, 7,6m (25')             | 1         |
|      | T-0087   | 020097     | Swirl Ring, Oxygen, CCW                             | 1         | NS                                                  | KT-1157  | 028141          | HT400®, PAC500® Cable Leads, 9,2m (30')             | 1         |
| 6.   | T-0020   | 020039     | Swirl Ring, Nitrogen                                | 1         | NS                                                  | KT-1153  | 028142          | HT400®, PAC500® Cable Leads, 10,7m (35')            | 1         |
| 7.   | T-0083   | 020081     | Electrode, Oxygen                                   | 5         | NS                                                  | KT-1404  | 028143          | HT400®, PAC500® Cable Leads, 12,2m (40')            | 1         |
| 8.   | T-0084   | 020082     | Electrode, Nitrogen                                 | 5         | NS                                                  | KT-1217  | K.HT400.15,2M.K | HT400®, PAC500® Cable Leads, 15,2m (50')            | 1         |
| 9.   | T-0085   | 020080     | Torch Body HT400®                                   | 1         | NS                                                  | KT-1058  | K.HT400.10,7M   | HT400® Mach. Torch with Leads 10,7m (35')           | 1         |
| #10. | T-1389#  | 020990 OEM | Water Tube: PAC400®/PAC600®/PAC170® (For OEM Torch) | 1         | Different types of cable leads available on request |          |                 |                                                     |           |

# Compatible with OEM torch only, doesn't fit to Thermacut torch

\*\* Compatible with Thermacut and OEM torch

NS Not shown in the picture

CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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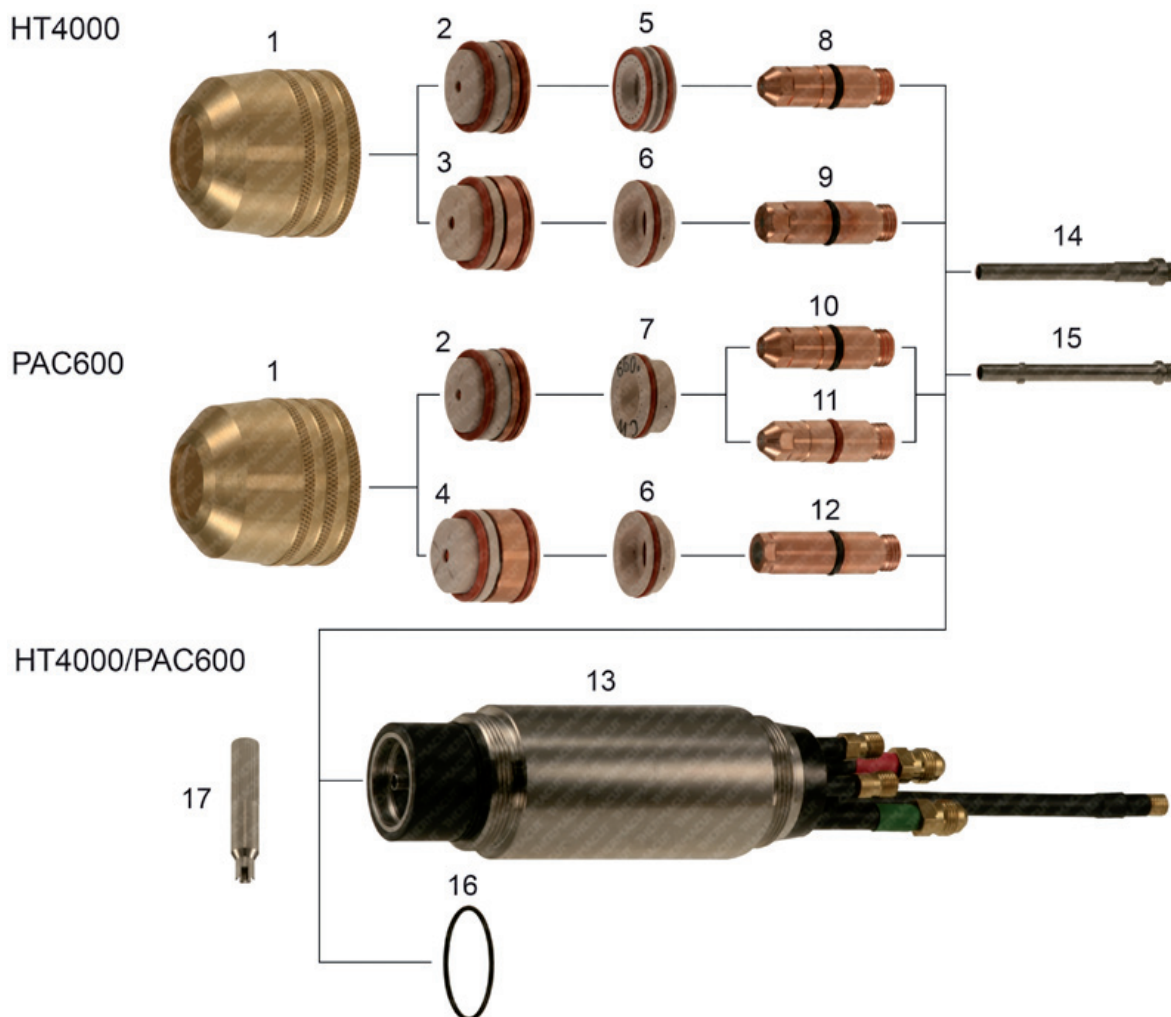
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HT4000®  
PAC170®/PAC600®



| Item | Part No. | Ref. No. | Description            | Std. Pkg. | Item  | Part No. | Ref. No.   | Description                        | Std. Pkg. |
|------|----------|----------|------------------------|-----------|-------|----------|------------|------------------------------------|-----------|
| 1.   | T-0088   | 020579   | Cap, Nozzle Retaining  | 1         | 8.    | T-1293   | 020663     | Electrode, PAC170®, Oxygen         | 5         |
| 2.   | T-0078   | 020086   | Nozzle, .099 Oxygen    | 1         | 9.    | T-0084   | 020082     | Electrode, Nitrogen                | 5         |
| 3.   | T-0080   | 020084   | Nozzle, .166 Nitrogen  | 1         | 10.   | T-0083   | 020081     | Electrode, Oxygen                  | 5         |
| 4.   | T-0509   | 020281   | Nozzle, .120 Nitrogen  | 1         | 11.   | T-1382   | 120090     | Electrode, Oxygen                  | 5         |
|      | T-0510   | 020282   | Nozzle, 166 Nitrogen   | 1         | 12.   | T-0499   | 020285     | Electrode, Nitrogen                | 5         |
|      | T-0511   | 020283   | Nozzle, .187 Nitrogen  | 1         | 13.   | T-1393   | 020328     | Torch Body PAC170®/PAC600®/PAC620® | 1         |
|      | T-0512   | 020284   | Nozzle, .220 Nitrogen  | 1         | #14.  | T-1389#  | 020990 OEM | Water Tube (For OEM Torch)         | 1         |
| 5.   | T-1292   | 020623   | Swirl Ring, PAC170®    | 1         | **15. | T-1388** | 020990-UR  | Water Tube (For TMT Torch)         | 1         |
| 6.   | T-0020   | 020039   | Swirl Ring, .120       | 1         | 16.   | T-1006   | 044028     | O-Ring                             | 1         |
| 7.   | T-1002   | 020380   | Swirl Ring, .099       | 1         | 17.   | T-1397   | T-1397     | Wrench for TMT Water Tube          | 1         |
|      | T-1003   | 020391   | Swirl Ring, .099 (ccw) | 1         |       |          |            |                                    |           |

# Compatible with OEM torch only, doesn't fit to Thermacut torch

\*\* Compatible with Thermacut and OEM torch

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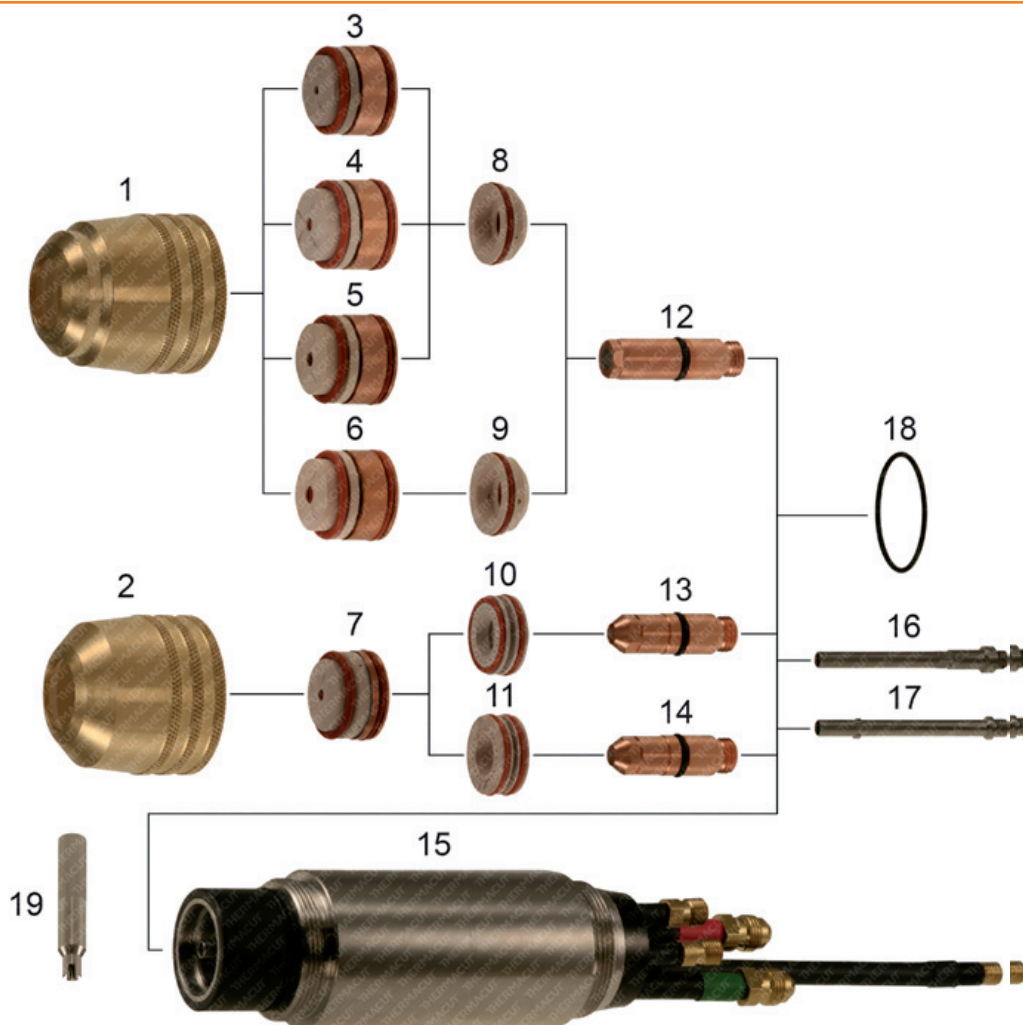
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HT4001®

PAC620® with slave



| Item | Part No. | Ref. No. | Description                                    | Std. Pkg. | Item  | Part No. | Ref. No.   | Description                                         | Std. Pkg. |
|------|----------|----------|------------------------------------------------|-----------|-------|----------|------------|-----------------------------------------------------|-----------|
| 1.   | T-0508   | 020580   | Retainig Cap: Nitrogen, Standard (Vectra)      | 1         | 11.   | T-1381   | 120135     | Swirl Ring, Oxygen 340Amp                           | 1         |
| 2.   | T-0088   | 020579   | Retainig Cap: Tprd Nitrogen, Standard (Vectra) | 1         | NS    | T-4189   | 120460     | Swirl Ring                                          | 1         |
| 3.   | T-0589   | 020281   | Nozzle: Nitrogen .120                          | 1         | 12.   | T-0499   | 020285     | Electrode: Nitrogen                                 | 5         |
| 4.   | T-0510   | 020282   | Nozzle: Nitrogen .166                          | 1         | 13.   | T-1293   | 020663     | Electrode, Oxygen, 260Amp                           | 5         |
| 5.   | T-0511   | 020283   | Nozzle: Nitrogen .187                          | 1         | *14.  | T-2846*  | 120630-UR  | Electrode, Oxygen, 340Amp                           | 5         |
| 6.   | T-0512   | 020284   | Nozzle: Nitrogen .220                          | 1         | 15.   | T-1393   | 020328     | Torch Body PAC170®/PAC600®/PAC620®                  | 1         |
| 7.   | T-0078   | 020086   | Nozzle: Oxygen                                 | 1         | #16.  | T-1389#  | 020990 OEM | Water Tube: PAC400®/PAC600®/PAC170® (For OEM Torch) | 1         |
| 8.   | T-0020   | 020039   | Swirl Ring: Nitrogen, .120/.166/.187           | 1         | **17. | T-1388** | 020990-UR  | Water Tube: PAC400®/PAC600®/PAC170® (For TMT Torch) | 1         |
| 9.   | T-0022   | 020040   | Swirl Ring: Nitrogen, .220                     | 1         | 18.   | T-1006   | 044028     | O-Ring                                              | 1         |
| 10.  | T-1292   | 020623   | Swirl Ring, Oxygen                             | 1         | 19.   | T-1397   | T-1397     | Wrench for TMT Water Tube                           | 1         |

\* FULLY INTERCHANGEABLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

# Compatible with OEM torch only, doesn't fit to Thermacut torch

\*\* Compatible with Thermacut and OEM torch

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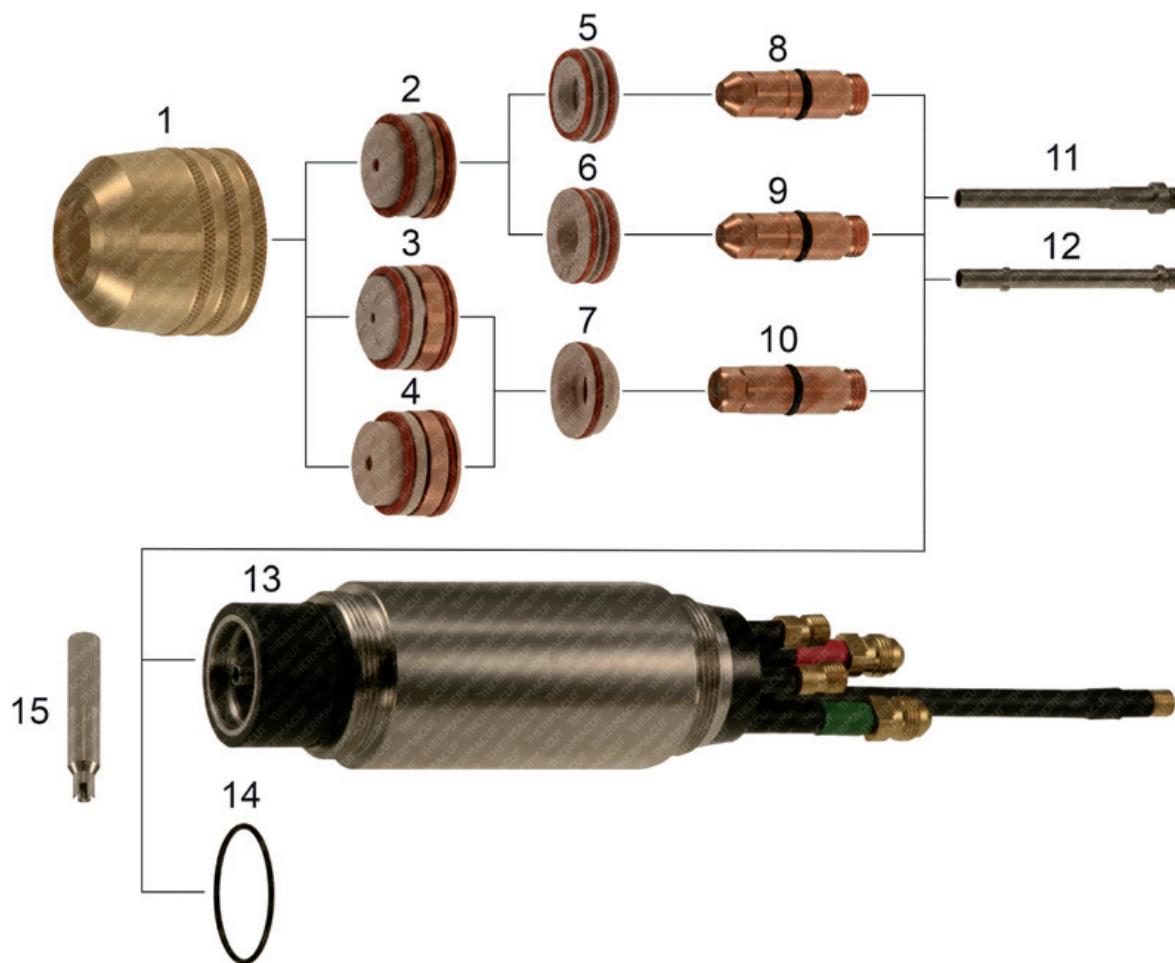
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HT4001®

PAC620® without slave



| Item | Part No. | Ref. No. | Description                                 | Std. Pkg. | Item  | Part No. | Ref. No.   | Description                                        | Std. Pkg. |
|------|----------|----------|---------------------------------------------|-----------|-------|----------|------------|----------------------------------------------------|-----------|
| 1.   | T-0088   | 020579   | Retainig Cap: Tprd Nozzle Standard (Vectra) | 1         | 8.    | T-1293   | 020663     | Electrode: Oxygen 260A                             | 5         |
| 2.   | T-0078   | 020086   | Nozzle: Oxygen                              | 1         | *9.   | T-2846*  | 120630-UR  | Electrode, Oxygen, 340Amp                          | 5         |
| 3.   | T-0079   | 020089   | Nozzle: Nitrogen .120                       | 1         | 10.   | T-0084   | 020082     | Electrode: Nitorgen 460A                           | 5         |
| 4.   | T-0080   | 020084   | Nozzle: Nitrogen .166                       | 1         | #11.  | T-1389#  | 020990 OEM | Water Tube:PAC400®/PAC600®/PAC170® (For OEM Torch) | 1         |
| 5.   | T-1292   | 020623   | Swirl Ring: Oxygen                          | 1         | **12. | T-1389** | 020990-UR  | Water Tube:PAC400®/PAC600®/PAC170® (For TMT Torch) | 1         |
| 6.   | T-1381   | 120135   | Swirl Ring: Oxygen, 340A                    | 1         | 13.   | T-1393   | 020328     | Torch Body PAC170®/PAC600®/PAC620®                 | 1         |
| 7.   | T-0020   | 020039   | Swirl Ring: Nitrogen, .120/.166/.187        | 1         | 14.   | T-1006   | 044028     | O-Ring                                             | 1         |
| NS   | T-4189   | 120460   | Swirl Ring                                  | 1         | 15.   | T-1397   | T-1397     | Wrench for TMT Water Tube                          | 1         |

\* FULLY INTERCHANGEABLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

# Compatible with OEM torch only, doesn't fit to Thermacut torch

\*\* Compatible with Thermacut and OEM torch

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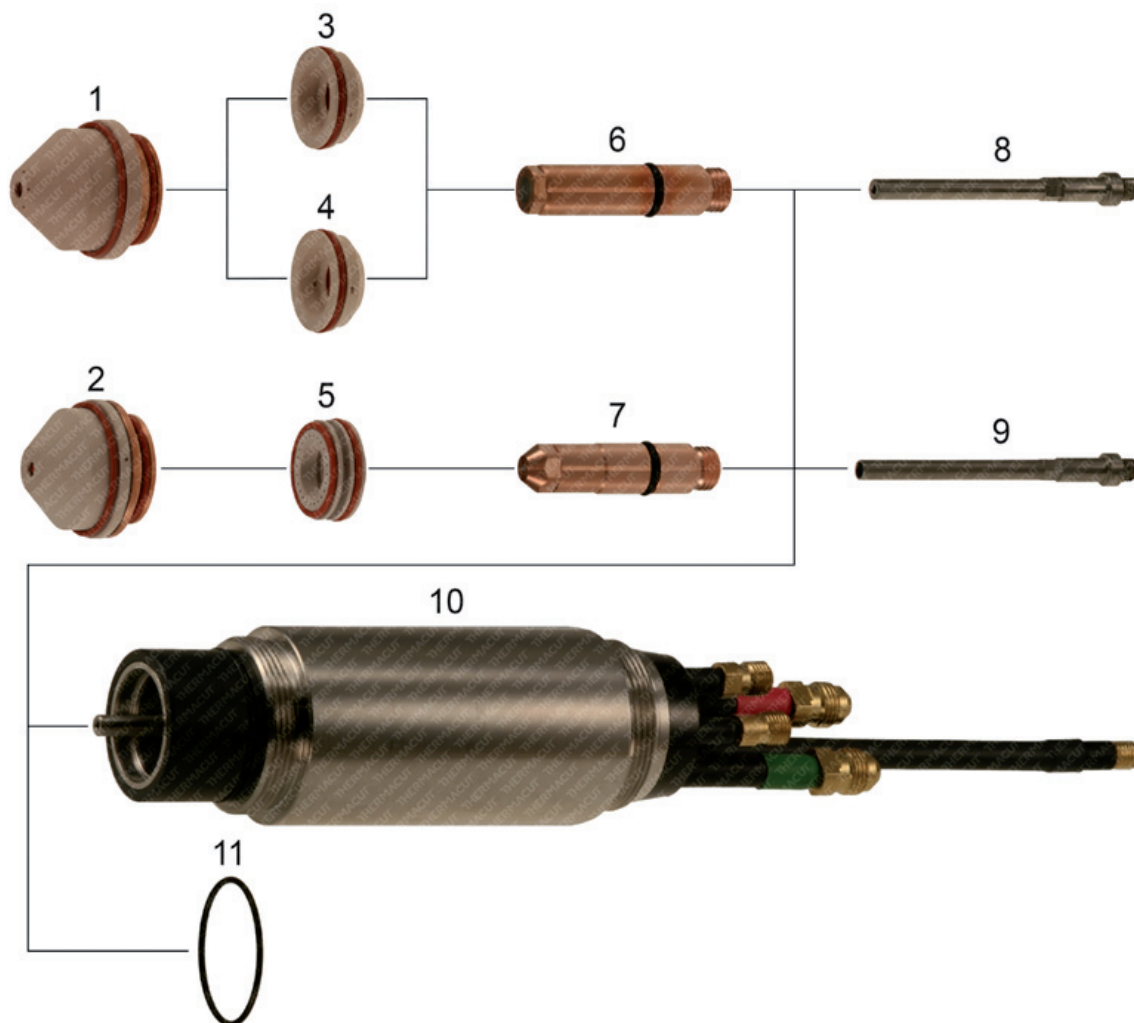
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HT4001®

PAC620® bevel with/without slave



| Item | Part No. | Ref. No. | Description                           | Std. Pkg. | Item | Part No. | Ref. No.   | Description                                         | Std. Pkg. |
|------|----------|----------|---------------------------------------|-----------|------|----------|------------|-----------------------------------------------------|-----------|
| 1.   | T-1384   | 120387   | Nozzle: PAC620® Bevel, Nitrogen, .166 | 1         |      | T-4048   | 020975     | Electrode: PAC620® Bevel, Oxygen                    | 5         |
| NS   | T-11184  | 120388   | Nozzle: PAC620® Bevel, Nitrogen, .187 | 1         | 7.   | T-3842   | 120836     | Electrode: PAC620® Bevel, Oxygen                    | 5         |
| 2.   | T-2841   | 120384   | Nozzle: PAC620® Bevel, Oxygen, .099   | 1         | **8. | T-9883** | 020991-UR  | Water Tube: PAC620® Bevel, Nitrogen (For TMT Torch) | 1         |
| 3.   | T-0020   | 020039   | Swirl Ring: Nitrogen, .120/.166/.187  | 1         | #    | T-1390#  | 020991 OEM | Water Tube: PAC620® Bevel, Nitrogen (For OEM Torch) | 1         |
| 4.   | T-0022   | 020040   | Swirl Ring: Nitrogen, .220            | 1         | **9. | T-8117** | 020992-UR  | Water Tube: PAC620® Bevel, Oxygen (For TMT Torch)   | 1         |
| 5.   | T-1292   | 020623   | Swirl Ring: Oxygen                    | 1         | #    | T-1391#  | 020992 OEM | Water Tube: PAC620® Bevel, Oxygen (For OEM Torch)   | 1         |
| NS   | T-4189   | 120460   | Swirl Ring                            | 1         | 10.  | T-8916   | 020970     | Torch Body PAC620®                                  | 1         |
| NS   | T-3539   | 120461   | Swirl Ring ccw                        | 1         | 11.  | T-1006   | 044028     | O-Ring                                              | 1         |
| 6.   | T-1387   | 020968   | Electrode: PAC620® Bevel, Nitrogen    | 5         |      |          |            |                                                     |           |

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\*\* Compatible with Thermacut and OEM torch

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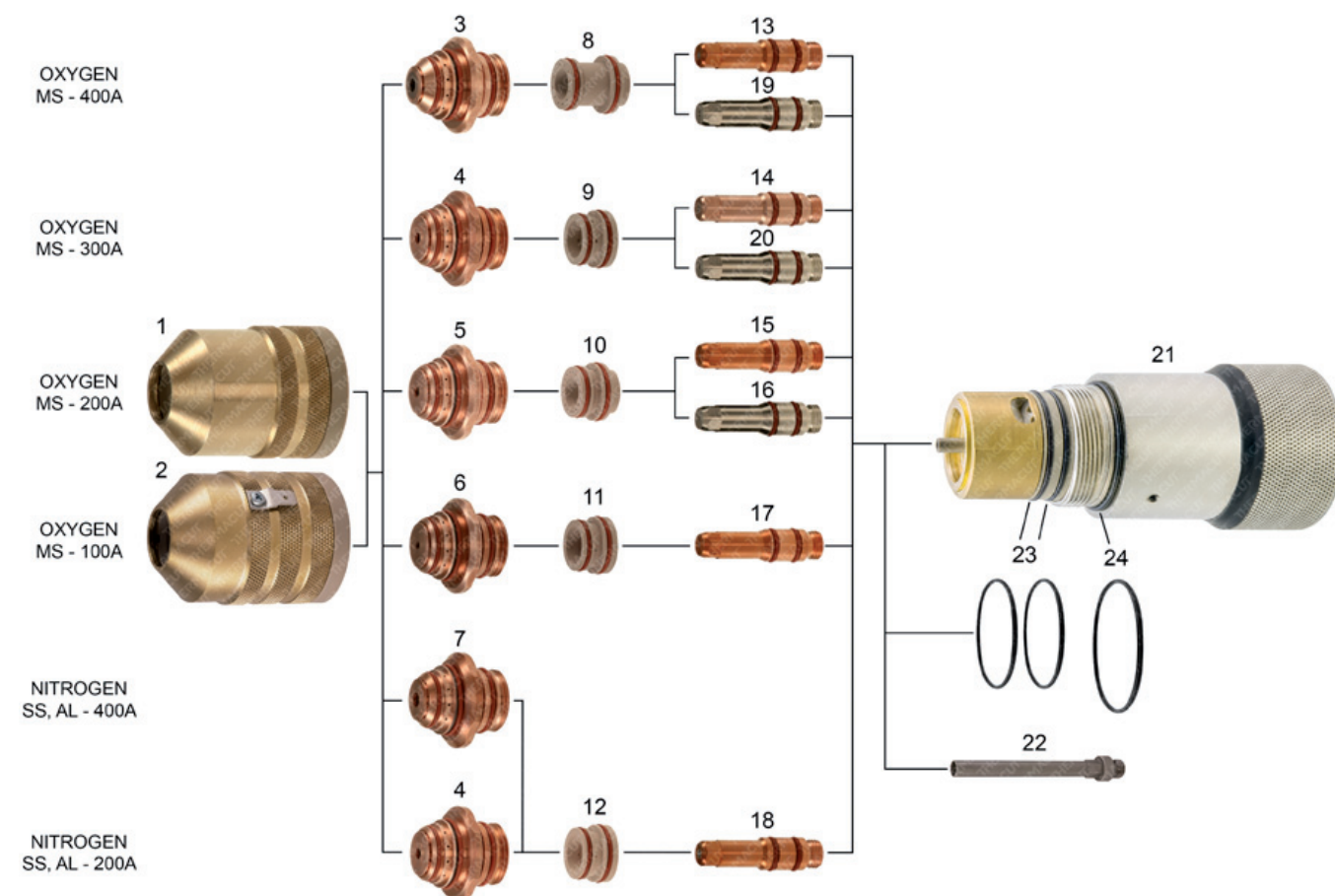
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

## HySpeed® HT4400®



| Item | Part No. | Ref. No.  | Description                                        | Std. Pkg | Item | Part No. | Ref. No.   | Description                               | Std. Pkg. |
|------|----------|-----------|----------------------------------------------------|----------|------|----------|------------|-------------------------------------------|-----------|
| 1.   | T-10110  | 120786    | Retaining Cap                                      | 1        | *13. | T-10182* | 120810-UR  | Electrode-HFROD 400A O <sub>2</sub>       | 5         |
| 2.   | T-10111  | 120907    | Retaining Cap (With IHS Tab)                       | 1        | NS   | T-10857  | 120810     | Electrode-HFTUBE 400A O <sub>2</sub> (i)  | 5         |
| *3.  | T-8716*  | 120934-UR | Nozzle 400A O <sub>2</sub> CW                      | 1        | *14. | T-10181* | 120802-UR  | Electrode-HFROD 300A O <sub>2</sub>       | 5         |
| *4.  | T-9624*  | 120935-UR | Nozzle 400A O <sub>2</sub> CCW                     | 1        | NS   | T-10942  | 120802     | Electrode-HFTUBE 300A O <sub>2</sub> (i)  | 5         |
| *5.  | T-8714*  | 120794-UR | Nozzle 300A O <sub>2</sub> /200A N <sub>2</sub> CW | 1        | 15.  | T-8945   | 120793     | Electrode 200A O <sub>2</sub>             | 5         |
| *6.  | T-8713*  | 120787-UR | Nozzle 200A O <sub>2</sub> CW                      | 1        | *16. | T-4915*  | 120793-AG  | Electrode, Silver-EX® 200A O <sub>2</sub> | 5         |
| *7.  | T-8712*  | 120777-UR | Nozzle 100A O <sub>2</sub> CW                      | 1        | 17.  | T-8944   | 120785     | Electrode 100A O <sub>2</sub>             | 5         |
| *8.  | T-8715*  | 120856-UR | Nozzle 400A N <sub>2</sub> CW                      | 1        | 18.  | T-10630  | 120855 OEM | Electrode 200/400A N <sub>2</sub>         | 5         |
| 8.   | T-10112  | 120939    | Swirl Ring 400A O <sub>2</sub> CW                  | 1        | 19.  | T-4912   | 120810-AG  | Electrode, Silver-EX® 400A O <sub>2</sub> | 5         |
|      | T-10866  | 120940    | Swirl Ring 400A O <sub>2</sub> CCW                 | 1        | 20.  | T-4911   | 120802-AG  | Electrode, Silver-EX® 300A O <sub>2</sub> | 5         |
| 9.   | T-10113  | 120913    | Swirl Ring 300A O <sub>2</sub> CW                  | 1        | 21.  | T-11143  | 120651     | HT4400 torch main body (ii)               | 1         |
| 10.  | T-10114  | 120791    | Swirl Ring 200A O <sub>2</sub> CW                  | 1        | 22.  | T-11142  | 120025     | Cooling Tube                              | 1         |
| 11.  | T-10115  | 120783    | Swirl Ring 100A O <sub>2</sub> CW                  | 1        | 23.  | N-10096  | 1-028B     | 2x O-Ring                                 |           |
| 12.  | T-10116  | 120853    | Swirl Ring 400A N <sub>2</sub> CW                  | 1        | 24.  | N-10098  | 1-030B     | O-Ring                                    |           |

\* FULLY INTERCHANGEABLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

-AG HEAVY DUTY ELECTRODE, OFFERS BETTER LIFETIME

CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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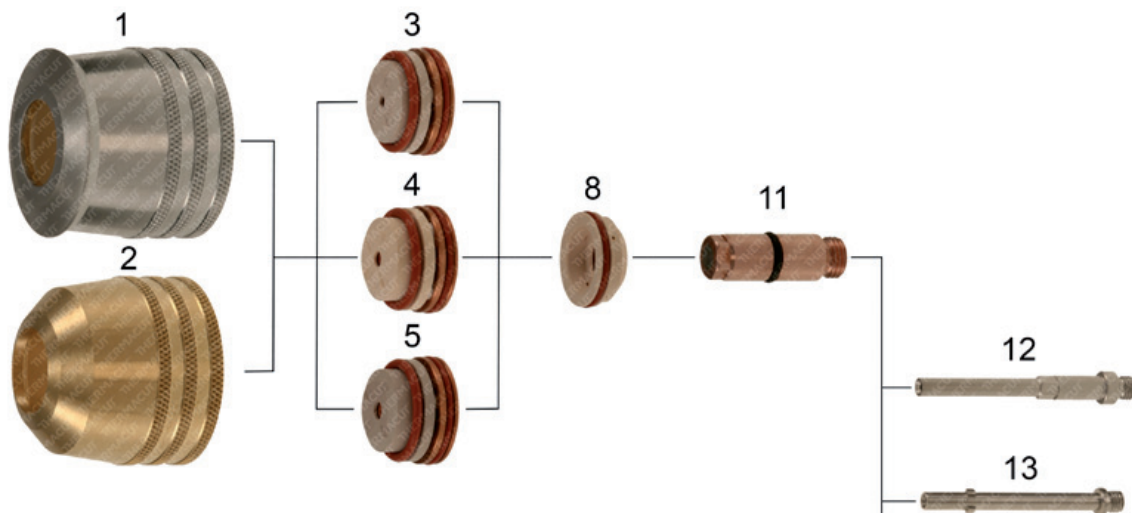
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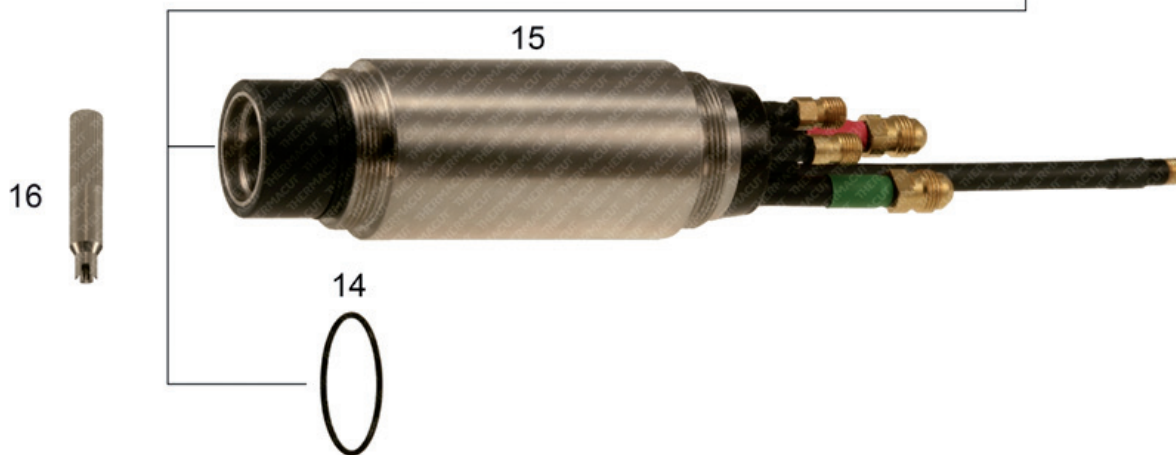
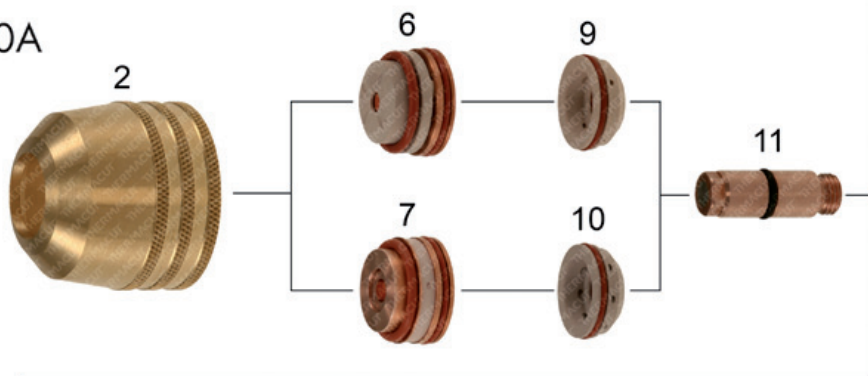
# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

PAC500®  
MODEL 500®

Up to 600A



600A to 1000A



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

**PAC500®**  
**MODEL 500®**

| Item  | Part No. | Ref. No.   | Description                    | Std. Pkg. | Item                                                | Part No. | Ref. No.        | Description                                | Std. Pkg. |
|-------|----------|------------|--------------------------------|-----------|-----------------------------------------------------|----------|-----------------|--------------------------------------------|-----------|
| 1.    | T-0015   | 020043     | Cap, Nozzle Retaining, Flared  | 1         | 14.                                                 | T-1013   | 025028          | O-Ring                                     | 1         |
| 2.    | T-0014   | 020034     | Cap, Nozzle Retaining, Tapered | 1         | 15.                                                 | T-0025   | 020030          | Torch Main Body PAC500                     | 1         |
| 3.    | T-0086   | 020050     | Nozzle, .120                   | 1         | 16.                                                 | T-1397   | T-1397          | Wrench for TMT Water Tube                  | 1         |
| 4.    | T-0016   | 020035     | Nozzle, .166                   | 1         | NS                                                  | KT-1214  | 028139          | HT400®, PAC500® Cable Leads, 6,1m (20')    | 1         |
| 5.    | T-0017   | 020036     | Nozzle, .187                   | 1         | NS                                                  | KT-1154  | 028140          | HT400®, PAC500® Cable Leads, 7,6m (25')    | 1         |
| 6.    | T-0018   | 020037     | Nozzle, .220                   | 1         | NS                                                  | KT-1157  | 028141          | HT400®, PAC500® Cable Leads, 9,2m (30')    | 1         |
| 7.    | T-0019   | 020047     | Nozzle, .250                   | 1         | NS                                                  | KT-1153  | 028142          | HT400®, PAC500® Cable Leads, 10,7m (35')   | 1         |
| 8.    | T-0020   | 020039     | Swirl Ring, .120/.166/.187     | 1         | NS                                                  | KT-1404  | 028143          | HT400®, PAC500® Cable Leads, 12,2m (40')   | 1         |
| 9.    | T-0022   | 020040     | Swirl Ring, .220               | 1         | NS                                                  | KT-1217  | K.HT400.15,2M.K | HT400®, PAC500® Cable Leads, 15,2m (50')   | 1         |
| 10.   | T-0023   | 020048     | Swirl Ring, .250               | 1         | NS                                                  | KT-1165  | K.PAC500.15,2M  | PAC500® Mach. Torch with Leads 15,2m (50') | 1         |
| 11.   | T-0024   | 020038     | Electrode                      | 5         | NS                                                  | KT-1164  | K.PAC500.22,9M  | PAC500® Mach. Torch with Leads 22,9m (75') | 1         |
| #12.  | T-0598#  | 120035 OEM | Water Tube (For OEM Torch)     | 1         | Different types of cable leads available on request |          |                 |                                            |           |
| **13. | T-1395** | 120035-UR  | Water Tube TMT (For TMT Torch) | 1         |                                                     |          |                 |                                            |           |

# Compatible with OEM torch only, doesn't fit to Thermacut torch

\*\* Compatible with Thermacut and OEM torch

NS Not shown in the picture

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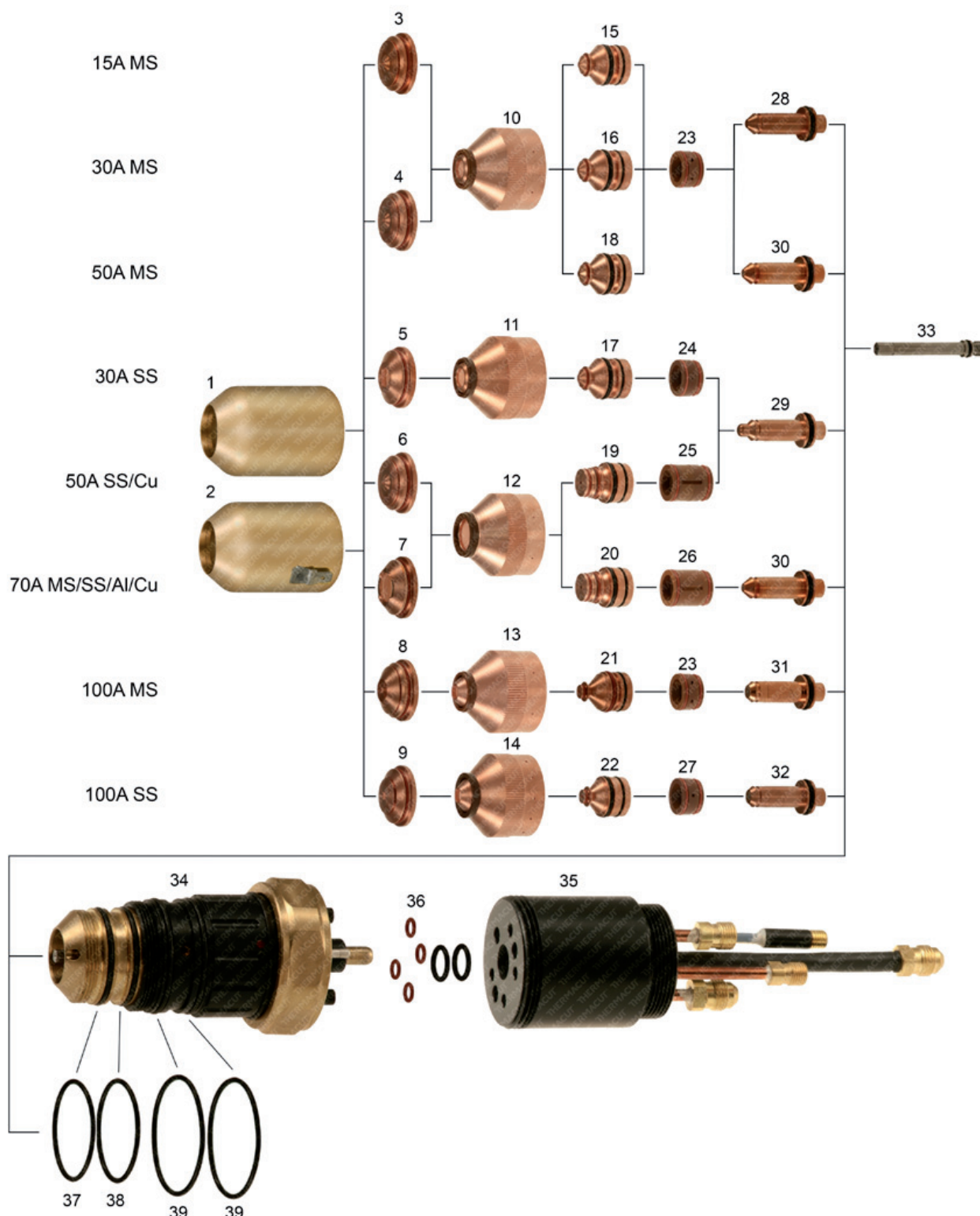
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyDefinition® HD1070®/HD3070®  
PAC182®/PAC186®/PAC190®



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyDefinition® HD1070®/HD3070®  
PAC182®/PAC186®/PAC190®

| Item | Part No. | Ref. No.  | Description                       | Std. Pkg. | Item                                                | Part No.   | Ref. No.  | Description                                          | Std. Pkg. |
|------|----------|-----------|-----------------------------------|-----------|-----------------------------------------------------|------------|-----------|------------------------------------------------------|-----------|
| 1.   | T-8082   | 020634    | Shield Cap Without IHS Tab        | 1         | 22.                                                 | T-8091**   | 120591-UR | Nozzle 100A SS                                       | 1         |
| 2.   | T-2828   | 020687    | Shield Cap With IHS Tab           | 1         | 23.                                                 | T-8057     | 020637    | Swirl Ring 15-100A MS                                | 1         |
| 3.   | T-8727** | 020670-UR | Shield 15A MS                     | 1         | 24.                                                 | T-8406     | 020937    | Swirl Ring 30A SS                                    | 1         |
|      | T-8045   | 020670    | Shield 15A MS                     | 1         | 25.                                                 | T-8059     | 020947    | Swirl Ring 50A SS                                    | 1         |
| 4.   | T-8728** | 020671-UR | Shield 30-50A MS                  | 1         | 26.                                                 | T-8058     | 020789    | Swirl Ring 70A MS/SS                                 | 1         |
|      | T-8046   | 020671    | Shield 30-50A MS                  | 1         | 27.                                                 | T-8081     | 120590    | Swirl Ring 100A SS                                   | 5         |
| 5.   | T-8087   | 020941    | Shield 30A SS                     | 1         | 28.                                                 | T-8705**   | 120111-UR | Electrode 15-30A                                     | 5         |
| 6.   | T-8090   | 020949    | Shield 50A SS/Cu                  | 1         |                                                     | T-8060     | 120111    | Electrode 15-30A (i)                                 | 5         |
| 7.   | T-8730** | 020796-UR | Shield 70A MS/SS                  | 1         | 29.                                                 | T-8707**   | 120113-UR | Electrode 30-50A SS                                  | 5         |
|      | T-8047   | 020796    | Shield 70A MS/SS                  | 1         |                                                     | T-8084     | 120113    | Electrode 30-50A SS (i)                              | 5         |
| 8.   | T-8731** | 120273-UR | Shield 100A MS                    | 1         | 30.                                                 | T-8706**   | 120112-UR | Electrode 70A MS/SS                                  | 5         |
|      | T-8048   | 120273    | Shield 100A MS                    | 1         |                                                     | T-8061     | 120112    | Electrode 70A MS/SS (i)                              | 5         |
| 9.   | T-8732** | 120594-UR | Shield 100A SS                    | 1         | 31.                                                 | T-8708**   | 120410-UR | Electrode 100A MS                                    | 5         |
|      | T-8093   | 120594    | Shield 100A SS                    | 1         |                                                     | T-8062     | 120410    | Electrode 100A MS (i)                                | 5         |
| 10.  | T-8722** | 020633-UR | Inner Retaining Cap 15-50A MS     | 1         | NS                                                  | T-4918     | 120410-AG | Electrode 100A MS, Silver                            | 5         |
|      | T-8049   | 020633    | Inner Retaining Cap 15-50A MS     | 1         | 32.                                                 | T-8709**   | 120589-UR | Electrode 100A SS                                    | 5         |
| 11.  | T-8086   | 020940    | Inner Retaining Cap 30A SS        | 1         |                                                     | T-8079     | 120589    | Electrode 100A SS (i)                                | 5         |
| 12.  | T-8724** | 020795-UR | Inner Retaining Cap 50-70A MS, SS | 1         | 33.                                                 | T-8100     | 120377    | Tube, Water Electrode Cooling, PAC186®               | 1         |
|      | T-8050   | 020795    | Inner Retaining Cap 50-70A MS, SS | 1         | NS                                                  | T-8733-4** | 120377-UR | Tube, Water Electrode Cooling, PAC186®               | 1         |
| 13.  | T-8725** | 120266-UR | Inner Retaining Cap 100A MS       | 1         | 34.                                                 | T-8733**   | 120349-UR | Torch Main Body, PAC186®                             | 1         |
|      | T-8051   | 120266    | Inner Retaining Cap 100A MS       | 1         |                                                     | T-8063     | 120349    | Torch Main Body, PAC186® (i)                         | 1         |
| 14.  | T-8092   | 120592    | Inner Retaining Cap 100A SS       | 1         | 35.                                                 | T-8734**   | 028855-UR | Assy, PAC185®/PAC186®, Straight Quick Disconnect     | 1         |
| 15.  | T-8717** | 020644-UR | Nozzle 15A MS                     | 1         |                                                     | T-8094     | 028855    | Assy, PAC185®/PAC186®, Straight Quick Disconnect (i) | 1         |
|      | T-8052   | 020644    | Nozzle 15A MS (i)                 | 1         | NS                                                  | T-8905**   | 120173-UR | One Piece Torch, PAC186®                             | 1         |
| 16.  | T-8718** | 020645-UR | Nozzle 30A MS                     | 1         | 36.                                                 | T-10445    | T-10445   | O-Ring Set For TMT Version                           | 1         |
|      | T-8053   | 020645    | Nozzle 30A MS (i)                 | 1         | NS                                                  | T-10628    | T-10628   | O-Ring Set For OEM Version                           | 1         |
| 17.  | T-8085   | 020938    | Nozzle 30A SS (i)                 | 1         | 37.                                                 | T-8095     | 044025    | O-Ring                                               | 1         |
| 18.  | T-8720** | 020646-UR | Nozzle 50A MS                     | 1         | 38.                                                 | T-4028     | 044026    | O-Ring                                               | 1         |
|      | T-8054   | 020646    | Nozzle 50A MS (i)                 | 1         | 39.                                                 | T-4029     | 044507    | O-Ring                                               | 1         |
| 19.  | T-8089   | 020948    | Nozzle 50A SS (i)                 | 1         | NS                                                  | T-8733-5   | T-8733-5  | Guiding Pin For TMT PAC186®                          | 1         |
| 20.  | T-5647** | 020647-UR | Nozzle 70A MS, SS                 | 1         | NS                                                  | T-8064     | 120443    | Torch Body (i)                                       | 1         |
|      | T-8055   | 020647    | Nozzle 70A MS, SS (i)             | 1         | NS                                                  | KT-1073    | 028499    | PAC186 Cable Leads, 6,1m (20')                       | 1         |
| 21.  | T-8750** | 120272-UR | Nozzle 100A MS                    | 1         | NS                                                  | KT-1329    | 028500    | PAC186 Cable Leads, 7,6m (25')                       | 1         |
|      | T-8056   | 120272    | Nozzle 100A MS (i)                | 1         | NS                                                  | KT-1252    | 028870    | PAC186 Cable Leads, 12,2m (40')                      | 1         |
| NS   | T-5272   | 220409-UR | Nozzle                            | 1         | Different types of cable leads available on request |            |           |                                                      |           |
| NS   | T-5272   | 220409-UR | Nozzle                            | 1         |                                                     |            |           |                                                      |           |

(i) This part may not be distributed on the German, Italian, French and Great Britain market. Thermacut accepts no responsibility in case of indirect sales to Germany, Italy, France and Great Britain.

\*\* A UNIQUE DESIGN WHICH ENHANCES PERFORMANCE AND DIFFERS FROM OEM DESIGNS

NS Not shown in the picture

MS Mild steel

SS Stainless steel

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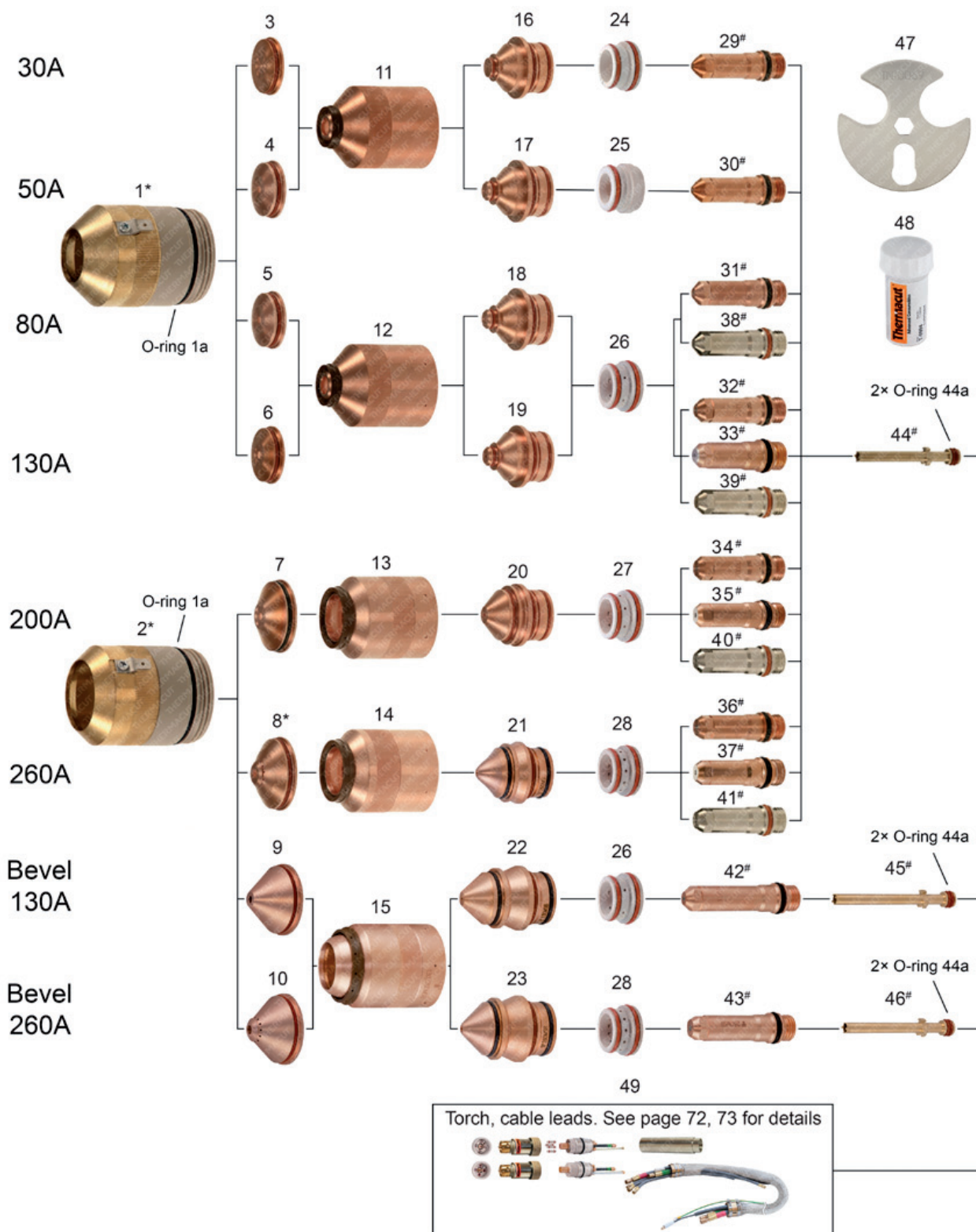
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® mild steel



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® mild steel

| Item | Part No.  | Ref. No.  | Description                           | Std. Pkg. | Item | Part No.                                        | Ref. No.   | Description                        | Std. Pkg. |
|------|-----------|-----------|---------------------------------------|-----------|------|-------------------------------------------------|------------|------------------------------------|-----------|
| *1.  | T-9961*   | 220173-UR | Shield Cap 30-130A                    | 1         |      | T-10941                                         | 220646     | Nozzle, 130A Bevel                 | 1         |
| 1a.  | T-1031B   | T-1031B   | O-Ring                                | 1         | 23.  | T-10308##                                       | 220542-UR  | Nozzle, 260A Bevel                 | 1         |
| *2.  | T-9964*   | 220398-UR | Shield Cap 200/260A (130/260A, Bevel) | 1         |      | T-10939                                         | 220542     | Nozzle, 260A Bevel                 | 1         |
| 3.   | T-10878   | 220194    | Shield 30A                            | 1         | 24.  | T-10297                                         | 220180     | Swirl Ring 30A                     | 1         |
| 4.   | T-10882   | 220555    | Shield 50A                            | 1         | 25.  | T-10305                                         | 220553     | Swirl Ring 50A                     | 1         |
| 5.   | T-9838    | 220189    | Shield 80A                            | 1         | 26.  | T-10295                                         | 220179     | Swirl Ring 80/130 (130A Bevel)     | 1         |
| 6.   | T-9839    | 220183    | Shield 130A                           | 1         | 27.  | T-10296                                         | 220353     | Swirl Ring 200A                    | 1         |
| 7.   | T-9965    | 220356    | Shield 200A                           | 1         | 28.  | T-10271                                         | 220436     | Swirl Ring 260A (260A Bevel)       | 1         |
| **8. | T-9970**  | 220440-UR | Shield 260A                           | 1         | #29. | T-9894#                                         | 220192-UR  | Electrode 30A                      | 5         |
| 9.   | T-10311   | 220645    | Shield, 130A Bevel                    | 1         | #30. | T-10306#                                        | 220552-UR  | Electrode 50A                      | 5         |
| 10.  | T-10881   | 220545    | Shield, 260A Bevel                    | 1         | #31. | T-9895#                                         | 220187-UR  | Electrode 80A                      | 5         |
| 11.  | T-11146   | 220313    | Inner Retaining Cap 30/50A            | 1         | #32. | T-9920#                                         | 220181-UR  | Electrode 130A                     | 5         |
| 12.  | T-11144   | 220176    | Inner Retaining Cap 80/130A           | 1         | #33. | T-11203#                                        | 220181-PRO | Electrode 130A(=220665-PRO)        | 5         |
| 13.  | T-11149   | 220355    | Inner Retaining Cap 200A              | 1         | #34. | T-9969#                                         | 220352-UR  | Electrode 200A                     | 5         |
| 14.  | T-11150   | 220433    | Inner Retaining Cap 260A              | 1         | #35. | T-11200#                                        | 220352-PRO | Electrode 200A(=220666-PRO)        | 5         |
| 15.  | T-11151   | 220603    | Inner Retaining Cap 130A/260A, Bevel  | 1         | #36. | T-9974#                                         | 220435-UR  | Electrode 260A                     | 5         |
| 16.  | T-9834##  | 220193-UR | Nozzle 30A                            | 1         | #37. | T-11197#                                        | 220435-PRO | Electrode 260A(=220668-PRO)        | 5         |
|      | T-10936   | 220193    | Nozzle 30A                            | 1         | #38. | T-4927#                                         | 220187-AG  | Electrode, SilverEX® 80A           | 5         |
| 17.  | T-10313## | 220554-UR | Nozzle 50A                            | 1         | #39. | T-4917#                                         | 220181-AG  | Electrode, SilverEX® 130A          | 5         |
|      | T-10940   | 220554    | Nozzle 50A                            | 1         | #40. | T-4925#                                         | 220352-AG  | Electrode, SilverEX® 200A          | 5         |
| 18.  | T-9835##  | 220188-UR | Nozzle 80A                            | 1         | #41. | T-4926#                                         | 220435-AG  | Electrode, SilverEX® 260A          | 5         |
|      | T-10935   | 220188    | Nozzle 80A                            | 1         | #42. | T-10309#                                        | 220649-UR  | Electrode, 130A Bevel              | 5         |
| 19.  | T-9836##  | 220182-UR | Nozzle 130A                           | 1         | #43. | T-10307#                                        | 220541-UR  | Electrode, 260A Bevel              | 5         |
|      | T-10934   | 220182    | Nozzle 130A                           | 1         | #44. | T-9882#                                         | 220340-UR  | Water Tube With O-Ring             | 1         |
| NS   | T-10248   | 220510-UR | Nozzle 100A, HD3070 upgrade           | 1         | 44a. | N-10055                                         | 1-009S     | O-Ring                             | 1         |
| NS   | T-11265   | 220510    | Nozzle 100A, HD3070 upgrade           | 1         | #45. | T-10472#                                        | 220700-UR  | Water Tube With O-Ring, 130A Bevel | 1         |
| 20.  | T-9967    | 220354-UR | Nozzle 200A                           | 1         | #46. | T-10323#                                        | 220571-UR  | Water Tube With O-Ring, 260A Bevel | 1         |
|      | T-10937   | 220354    | Nozzle 200A                           | 1         | *47. | TN-0069*                                        | 104119-UR  | Consumables Removal Tool           | 1         |
| 21.  | T-9972    | 220439-UR | Nozzle 260A                           | 1         | 48.  | T-0994                                          | T-0994     | O-ring lubricant - grease 25ml     | 1         |
|      | T-10938   | 220439    | Nozzle 260A                           | 1         | 49.  | Torch, cable leads. See page 72, 73 for details |            |                                    |           |
| 22.  | T-10310## | 220646-UR | Nozzle, 130A Bevel                    | 1         |      |                                                 |            |                                    |           |

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\*\* SHIELD OFFERS BETTER LIFETIME BECAUSE OF IMPROVED DESIGN AND IS FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

## NOZZLES -UR IN SOME CASES CAN REQUIRE DECREASE OF GAS FLOW, OFFERS SAVINGS OF THE COSTS FOR OXYGEN

NS Not shown in the picture

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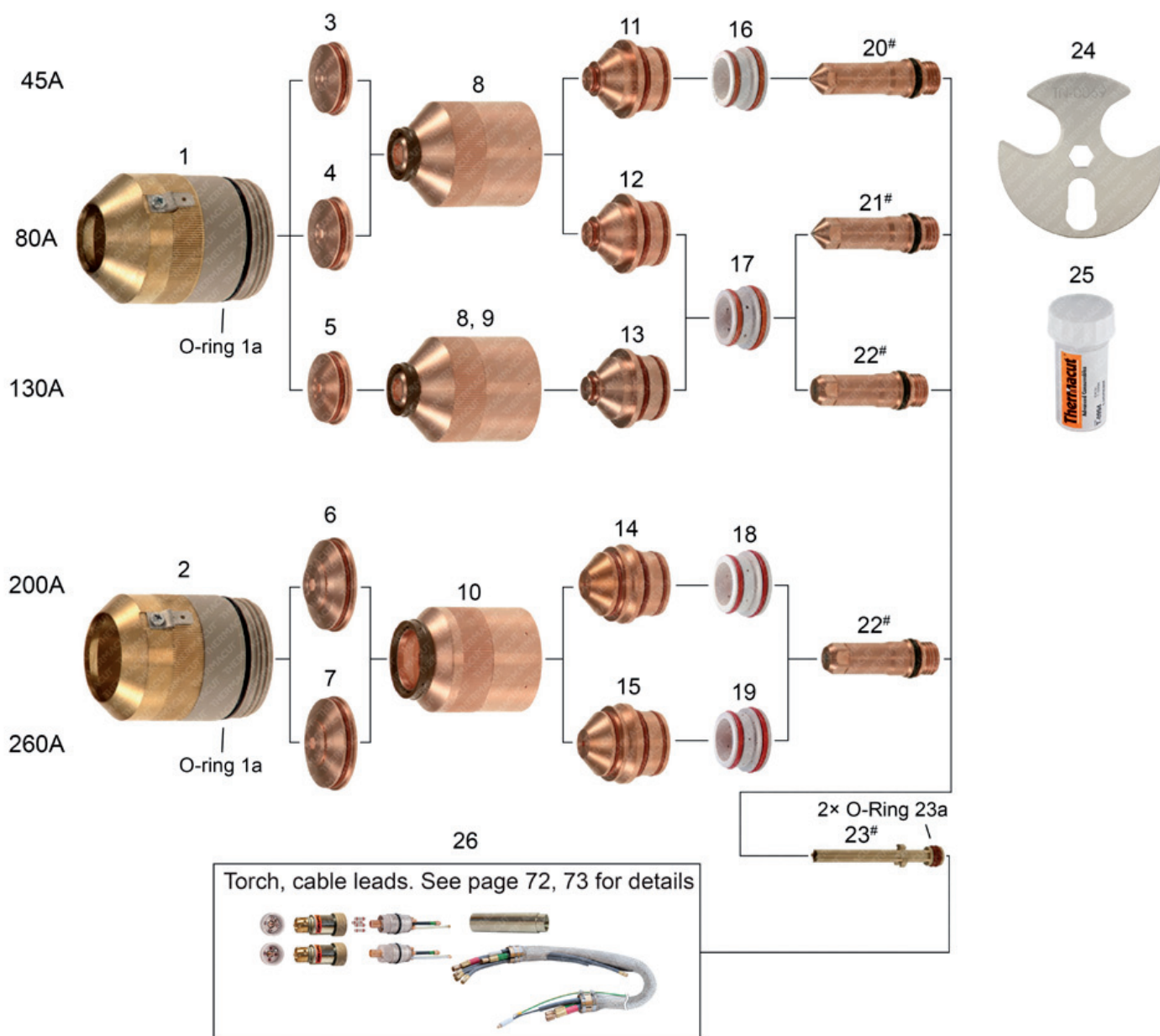
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® stainless steel



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® stainless steel

| Item | Part No. | Ref. No.  | Description                                | Std. Pkg. | Item | Part No.                                        | Ref. No.  | Description                      | Std. Pkg. |
|------|----------|-----------|--------------------------------------------|-----------|------|-------------------------------------------------|-----------|----------------------------------|-----------|
| *1.  | T-9961*  | 220173-UR | Shield Cap 45-130A                         | 1         | 16.  | T-10297                                         | 220180    | Swirl Ring 45A                   | 1         |
| *2.  | T-9964*  | 220398-UR | Shield Cap 200/260A (130/260A Bevel)       | 1         | 17.  | T-10295                                         | 220179    | Swirl Ring 80A/130A (130A Bevel) | 1         |
| 3.   | T-9975   | 220202    | Shield 45A                                 | 1         | 18.  | T-10579                                         | 220342    | Swirl Ring 200A                  | 1         |
| 4.   | T-9979   | 220338    | Shield 80A                                 | 1         | 19.  | T-10596                                         | 220405    | Swirl Ring 260A (260A Bevel)     | 1         |
| 5.   | T-9982   | 220198    | Shield 130A                                | 1         | #20. | T-9978#                                         | 220308-UR | Electrode 45A                    | 5         |
| 6.   | T-10879  | 220345    | Shield 200A                                | 1         | #21. | T-9981#                                         | 220339-UR | Electrode 80A                    | 5         |
| 7.   | T-10880  | 220407    | Shield 260A                                | 1         | #22. | T-9984#                                         | 220307-UR | Electrode 130A/200A/260A         | 5         |
| 8.   | T-11145  | 220304    | Inner Retaining Cap 45A/80A/130A           | 1         | #23. | T-9882#                                         | 220340-UR | Water Tube With O-Ring           | 1         |
| 9.   | T-11144  | 220176    | Inner Retaining Cap 130A (N <sub>2</sub> ) | 1         | 23a. | N-10055                                         | 1-009S    | O-Ring                           | 1         |
| 10.  | T-11147  | 220344    | Inner Retaining Cap 200A/260A              | 1         | *24. | TN-0069*                                        | 104119-UR | Consumables Removal Tool         | 1         |
| 11.  | T-9977   | 220201    | Nozzle 45A                                 | 1         | 1a.  | N-10099                                         | 1-031B    | O-Ring                           | 1         |
| 12.  | T-9980   | 220337    | Nozzle 80A                                 | 1         | 23a. | N-10055                                         | 1-009S    | O-Ring                           | 1         |
| 13.  | T-9983   | 220197    | Nozzle 130A                                | 1         | 25.  | T-0994                                          | T-0994    | O-ring lubricant - grease 25ml   | 1         |
| 14.  | T-9987   | 220343    | Nozzle 200A                                | 1         | 26.  | Torch, cable leads. See page 72, 73 for details |           |                                  |           |
| 15.  | T-9990   | 220406    | Nozzle 260A                                | 1         |      |                                                 |           |                                  |           |

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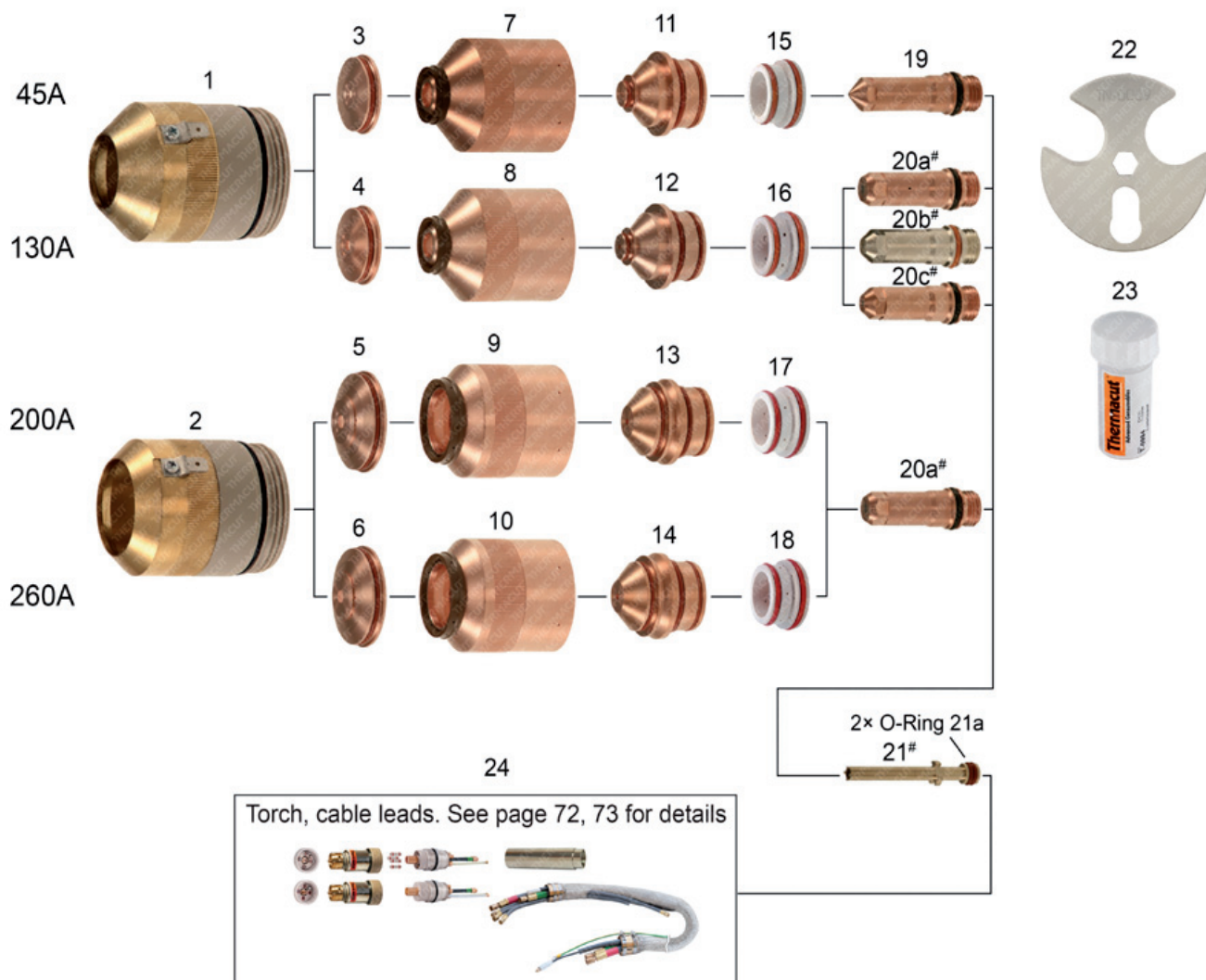
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® aluminium



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma  
HPR130®/HPR260® aluminium

| Item  | Part No. | Ref. No.  | Description                  | Std. Pkg. | Item | Part No.                                        | Ref. No.  | Description                    | Std. Pkg. |
|-------|----------|-----------|------------------------------|-----------|------|-------------------------------------------------|-----------|--------------------------------|-----------|
| *1.   | T-9961*  | 220173-UR | Shield Cap 45-130A           | 1         | 15.  | T-10297                                         | 220180    | Swirl Ring 45A                 | 1         |
| *2.   | T-9964*  | 220398-UR | Shield Cap 200/260A          | 1         | 16.  | T-10295                                         | 220179    | Swirl Ring 130A                | 1         |
| 3.    | T-9975   | 220202    | Shield 45A                   | 1         | 17.  | T-10579                                         | 220342    | Swirl Ring 200A                | 1         |
| 4.    | T-9982   | 220198    | Shield 130A                  | 1         | 18.  | T-10596                                         | 220405    | Swirl Ring 260A                | 1         |
| 5.    | T-10879  | 220345    | Shield 200A                  | 1         | #19. | T-9978#                                         | 220308-UR | Electrode 45A                  | 5         |
| 6.    | T-10880  | 220407    | Shield 260A                  | 1         | #20c | T-9920#                                         | 220181-UR | Electrode 130A                 | 5         |
| 7.,8. | T-11144  | 220176    | Inner Retaining Cap 45A/130A | 1         | #20b | T-4917#                                         | 220181-AG | Electrode, SilverEX.® 130A     | 5         |
| 8.    | T-11145  | 220304    | Inner Retaining Cap 130A     | 1         | #20a | T-9984#                                         | 220307-UR | Electrode 130A/200A/260A       | 5         |
| 9.    | T-11148  | 220347    | Inner Retaining Cap 200A     | 1         | #21. | T-9882#                                         | 220340-UR | Water Tube With O-Ring         | 1         |
| 10.   | T-11147  | 220344    | Inner Retaining Cap 260A     | 1         | 21a. | N-10055                                         | 1-009S    | O-Ring                         | 1         |
| 11.   | T-9977   | 220201    | Nozzle 45A                   | 1         | *22. | TN-0069*                                        | 104119-UR | Consumables Removal Tool       | 1         |
| 12.   | T-9983   | 220197    | Nozzle 130A                  | 1         | 23.  | T-0994                                          | T-0994    | O-ring lubricant - grease 25ml | 1         |
| 13.   | T-9993   | 220346    | Nozzle 200A                  | 1         | 24.  | Torch, cable leads. See page 72, 73 for details |           |                                |           |
| 14.   | T-9990   | 220406    | Nozzle 260A                  | 1         |      |                                                 |           |                                |           |

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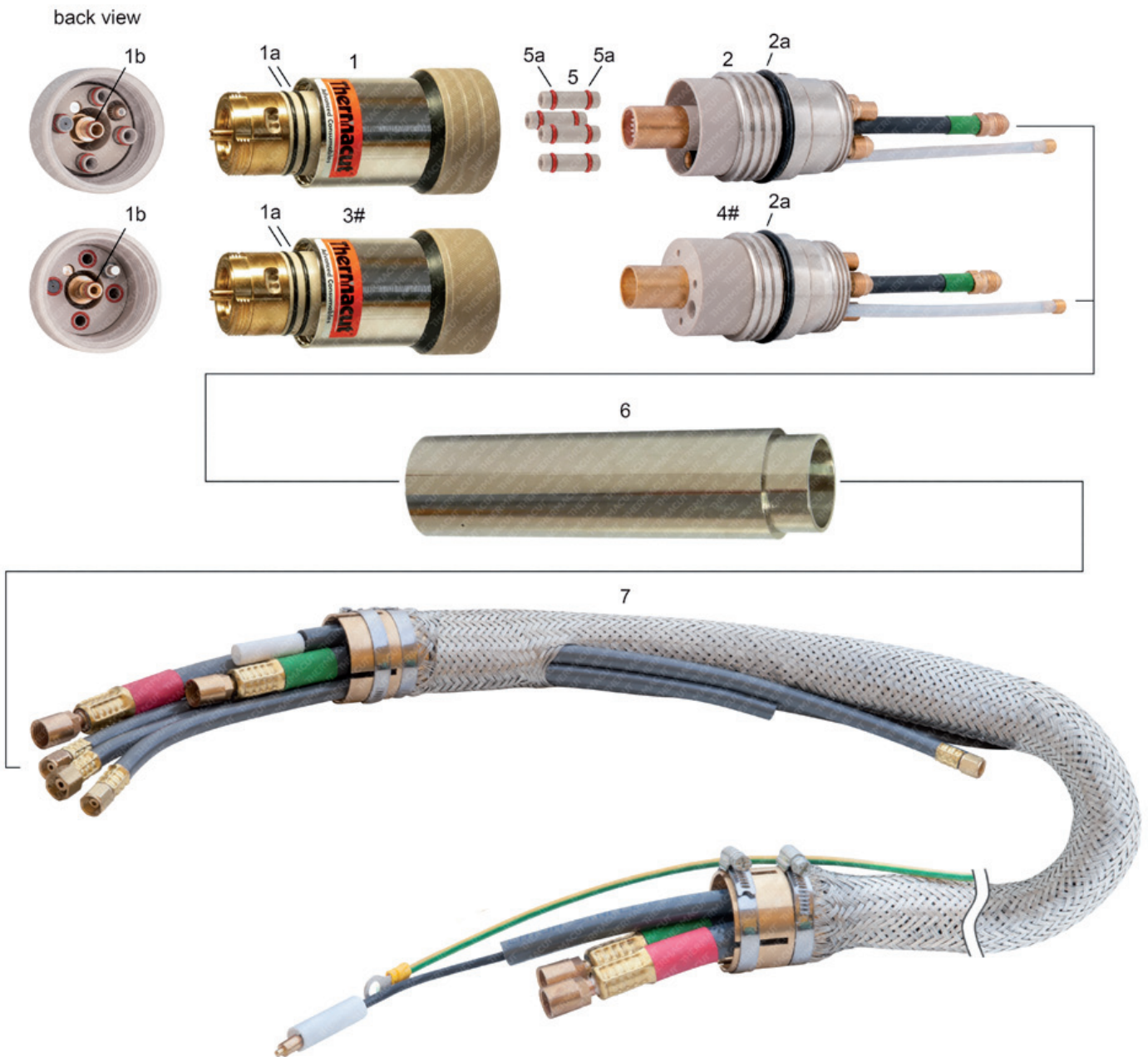
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HPR130®/HPR260®

Torches and Cable leads



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HPR130®/HPR260®

Torches and Cable leads

| Item   | Part No. | Ref. No.  | Description                            | Std. Pkg. | Item      | Part No. | Ref. No.         | Description                                                                                                      | Std. Pkg. |
|--------|----------|-----------|----------------------------------------|-----------|-----------|----------|------------------|------------------------------------------------------------------------------------------------------------------|-----------|
| 1., 5. | T-11137  | 220162    | Torch Q. D. Orig. design (incl.item 5) | 1         |           | KT-1126  | 128987           | Cable Leads 10m (35ft)                                                                                           | 1         |
| 1a.    | N-10096  | 1-028B    | O-ring                                 | 1         |           | KT-1106  | 128785           | Cable Leads 15m (50ft)                                                                                           | 1         |
| 1b.    | N-10054  | 1-008S    | O-Ring                                 | 1         |           | KT-1269  | K.HPR130.18M.K   | Cable Leads 18m (59ft)                                                                                           | 1         |
| 2.     | T-11138  | 220163    | Receptacle Q. D. Original design       | 1         |           | KT-1150  | 128988           | Cable Leads 20m (65ft)                                                                                           | 1         |
| 2a.    | N-18108  | N-18108   | O-Ring                                 | 1         |           | KT-1270  | K.HPR130.21M.K   | Cable Leads 21m (69ft)                                                                                           | 1         |
| #3.    | T-10200# | 220162-UR | Torch Q. D. Thermacut design           | 1         | !!!       | KT-1245  | DEMO_HPR130      | Torch + cable leads 0,8m, for exhibition only, inoperative!                                                      | 1         |
| #4.    | T-10201# | 220163-UR | Receptacle Q. D. Thermacut design      | 1         | 1,2,5,6,7 | KT-1331  | K.HPR130.7,5M    | Torch with Leads 7,5m (25ft)                                                                                     | 1         |
| 5.     | T-11769  | T-11769   | Connector Tube HPR with O-Rings        | 1         | 3,4,6,7   | KT-1066  | K.HPR130.7,5M-UR | Torch -UR with Leads 7,5m (25ft)                                                                                 | 1         |
| 5a.    | N-10055  | 1-009S    | O-Ring                                 | 1         | 3,4,6,7   | KT-1082  | K.HPR130.15M-UR  | Torch -UR with Leads 15m (50ft)                                                                                  | 1         |
| 6.     | T-10492  | 220232    | Mounting Tube                          | 1         | 3,4,6,7   | KT-1076  | K.HPR130.18M-UR  | Torch -UR with Leads 18m (59ft)                                                                                  | 1         |
| 7.     | KT-1108  | 128986    | Cable Leads 2m (6ft)                   | 1         | 3,4,6,7   | KT-1075  | K.HPR130.21M-UR  | Torch -UR with Leads 21m (69ft)                                                                                  | 1         |
|        | K-10288  | 128935    | Cable Leads 3m (10ft)                  | 1         | NS        | T-11207  | 128879-UR        | Set of spare parts, contains items 5 (4 pcs), 1a (2 pcs), 1b (1 pc), cool.tube, 220340-UR, silicon grease T-0994 | 1         |
|        | KT-1117  | 128934    | Cable Leads 4,5m (15ft)                | 1         |           |          |                  |                                                                                                                  |           |
|        | KT-1052  | 128784    | Cable Leads 7,5m (25ft)                | 1         |           |          |                  |                                                                                                                  |           |

# MUST BE USED ONLY AS A SET OF ITEMS 3 AND 4, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

!!! DEMO is inoperative, for exhibition purposes only!

NS Not shown in the picture

Q.D.Quick Disconnect

All parts are with O-rings

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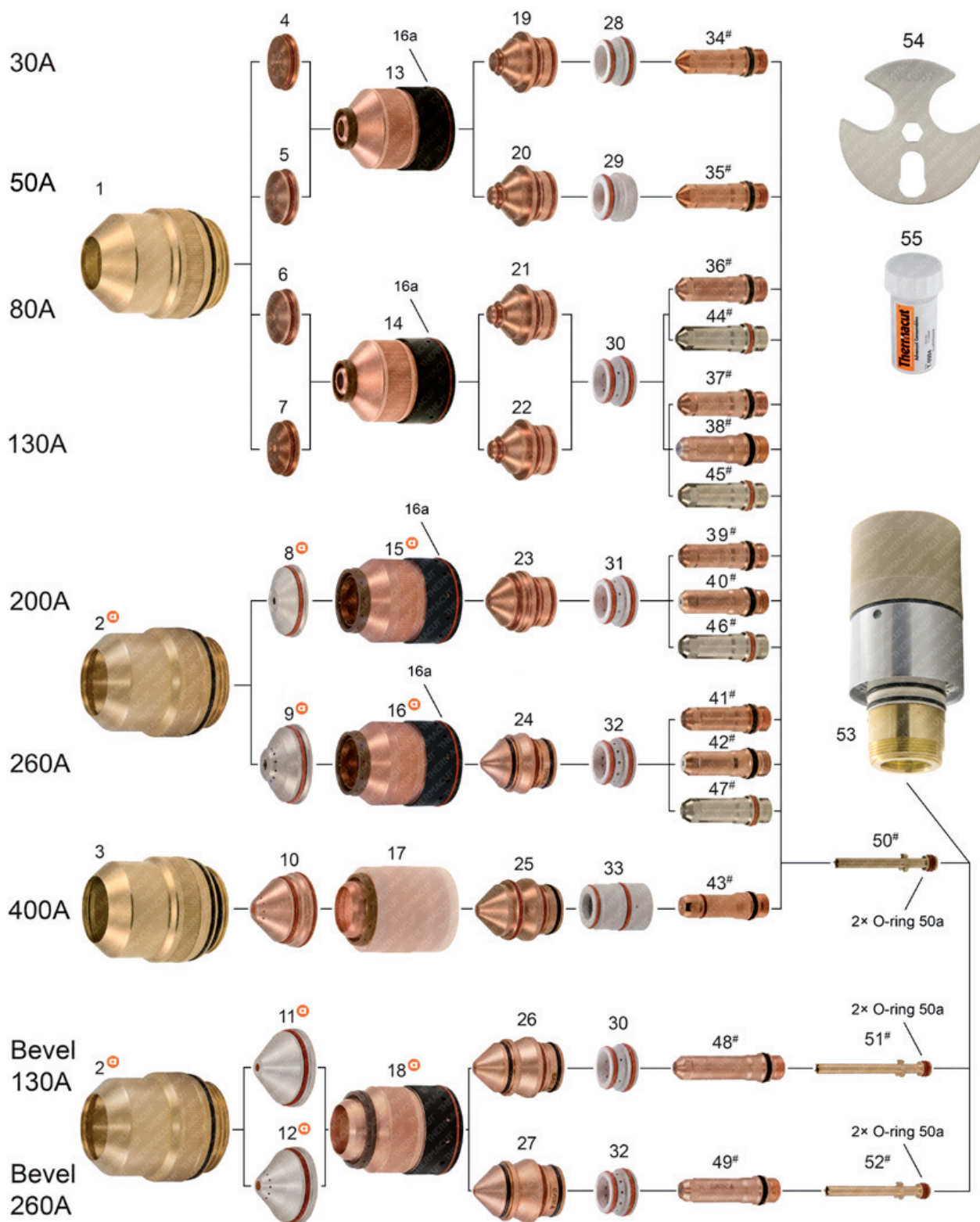
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® mild steel



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® mild steel

| Item | Part No. | Ref. No.  | Description | Std. Pkg.                           | Item | Part No. | Ref. No.  | Description | Std. Pkg.                                    |   |
|------|----------|-----------|-------------|-------------------------------------|------|----------|-----------|-------------|----------------------------------------------|---|
| NEW  | 1.       | T-11271   | 220747      | Shield Cap 30-130A                  | 1    | 27.      | T-10308## | 220542-UR   | Nozzle 260A, Bevel                           | 1 |
|      | 2.       | T-11270   | 220637-UR   | Shield Cap 200/260A                 | 1    |          | T-10939   | 220542      | Nozzle 260A, Bevel                           | 1 |
|      | 3.       | T-11113   | 220637 OEM  | Shield Cap 400A (400A Bevel)        | 1    | 28.      | T-10297   | 220180      | Swirl Ring 30A                               | 1 |
|      | 4.       | T-10878   | 220194      | Shield 30A                          | 1    | 29.      | T-10305   | 220553      | Swirl Ring 50A                               | 1 |
|      | 5.       | T-10882   | 220555      | Shield 50A                          | 1    | 30.      | T-10295   | 220179      | Swirl Ring 80/130A (80/130A Bevel)           | 1 |
|      | 6.       | T-9838    | 220189      | Shield 80A                          | 1    | 31.      | T-10296   | 220353      | Swirl Ring 200A                              | 1 |
|      | 7.       | T-9839    | 220183      | Shield 130A                         | 1    | 32.      | T-10271   | 220436      | Swirl Ring 260A (260A Bevel)                 | 1 |
| NEW  | 8.       | T-11276   | 220761-UR   | Shield 200A                         | 1    | 33.      | T-11526   | 220631 OEM  | Swirl Ring 400A (400A Bevel)                 | 1 |
|      | 9.       | T-11277   | 220764-UR   | Shield 260A                         | 1    | #34.     | T-9894#   | 220192-UR   | Electrode 30A                                | 5 |
|      | 10.      | T-11523   | 220636 OEM  | Shield 400A                         | 1    | #35.     | T-10306#  | 220552-UR   | Electrode 50A                                | 5 |
| NEW  | 11.      | T-11403   | 220742-UR   | Shield 80/130A, Bevel               | 1    | #36.     | T-9895#   | 220187-UR   | Electrode 80A                                | 5 |
|      | 12.      | T-11402   | 220741-UR   | Shield 260A, Bevel                  | 1    | #37.     | T-9920#   | 220181-UR   | Electrode 130A                               | 5 |
| NEW  | 13.      | T-11272   | 220754      | Inner Retaining Cap 30/50A          | 1    | #38.     | T-11203#  | 220181-PRO  | Electrode 130A(=220665-PRO)                  | 5 |
|      | 14.      | T-11273   | 220756      | Inner Retaining Cap 80/130A         | 1    | #39.     | T-9969#   | 220352-UR   | Electrode 200A                               | 5 |
| NEW  | 15.      | T-11274   | 220757-UR   | Inner Retaining Cap 200A            | 1    | #40.     | T-11200#  | 220352-PRO  | Electrode 200A(=220666-PRO)                  | 5 |
|      | 16.      | T-11275   | 220760-UR   | Inner Retaining Cap 260A            | 1    | #41.     | T-9974#   | 220435-UR   | Electrode 260A                               | 5 |
|      | 16a.     | N-19709   |             | O-Ring                              | 1    | #42.     | T-11197#  | 220435-PRO  | Electrode 260A(=220668-PRO)                  | 5 |
| NEW  | 17.      | T-11524   | 220635 OEM  | Inner Retaining Cap 400A            | 1    | 43.      | T-11527   | 220629 OEM  | Electrode 400A (400A Bevel)                  | 5 |
|      | 18.      | T-11401   | 220740-UR   | Inner Retaining Cap 130/260A, Bevel | 1    | #44.     | T-4927#   | 220187-AG   | Electrode, SilverEX® 80A                     | 5 |
|      | 19.      | T-9834##  | 220193-UR   | Nozzle 30A                          | 1    | #45.     | T-4917#   | 220181-AG   | Electrode, SilverEX® 130A                    | 5 |
|      |          | T-10936   | 220193      | Nozzle 30A                          | 1    | #46.     | T-4925#   | 220352-AG   | Electrode, SilverEX® 200A                    | 5 |
|      | 20.      | T-10313## | 220554-UR   | Nozzle 50A                          | 1    | #47.     | T-4926#   | 220435-AG   | Electrode, SilverEX® 260A                    | 5 |
|      |          | T-10940   | 220554      | Nozzle 50A                          | 1    | #48.     | T-10309#  | 220649-UR   | Electrode 130A, Bevel                        | 5 |
|      | 21.      | T-9835##  | 220188-UR   | Nozzle 80A                          | 1    | #49.     | T-10307#  | 220541-UR   | Electrode 260A, Bevel                        | 5 |
|      |          | T-10935   | 220188      | Nozzle 80A                          | 1    | #50.     | T-9882#   | 220340-UR   | Water Tube With O-Ring 30-260A               | 1 |
|      | 22.      | T-9836##  | 220182-UR   | Nozzle 130A                         | 1    | 50a.     | N-10055   | 1-009S      | O-Ring                                       | 1 |
|      |          | T-10934   | 220182      | Nozzle 130A                         | 1    | #51.     | T-10472#  | 220700-UR   | Water Tube With O-Ring 80/130A, Bevel        | 1 |
|      | 23.      | T-9967    | 220354-UR   | Nozzle 200A                         | 1    | #52.     | T-10323#  | 220571-UR   | Water Tube With O-Ring 400A (260/400A Bevel) | 1 |
|      |          | T-10937   | 220354      | Nozzle 200A                         | 1    | 53.      | T-11516   | 220706 OEM  | Quick - Disconnect Torch                     | 1 |
|      | 24.      | T-9972    | 220439-UR   | Nozzle 260A                         | 1    | NS       | T-11116   | 220705 OEM  | Quick - Disconnect Receptacle                | 1 |
|      |          | T-10938   | 220439      | Nozzle 260A                         | 1    | NS       | T-11517   | 220789 OEM  | Mounting Tube                                | 1 |
|      | 25.      | T-11525   | 220632 OEM  | Nozzle 400A (400A Bevel)            | 1    | *54.     | TN-0069*  | 104119-UR   | Consumables Removal Tool                     | 1 |
| NEW  | 26.      | T-10310## | 220646-UR   | Nozzle 130A, Bevel                  | 1    | 55.      | T-0994    | T-0994      | O-ring lubricant - grease 25ml               | 1 |
|      | NS       | T-10941   | 220646      | Nozzle 130A, Bevel                  | 1    |          |           |             |                                              |   |

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⊕ MUST BE USED ONLY AS A SET OF SHIELD, SHIELD CAP AND INNER RETAINING CAP, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

## NOZZLES -UR IN SOME CASES CAN REQUIRE DECREASE OF GAS FLOW, OFFERS SAVINGS OF THE COSTS FOR OXYGEN

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OEM ORIGINAL PARTS

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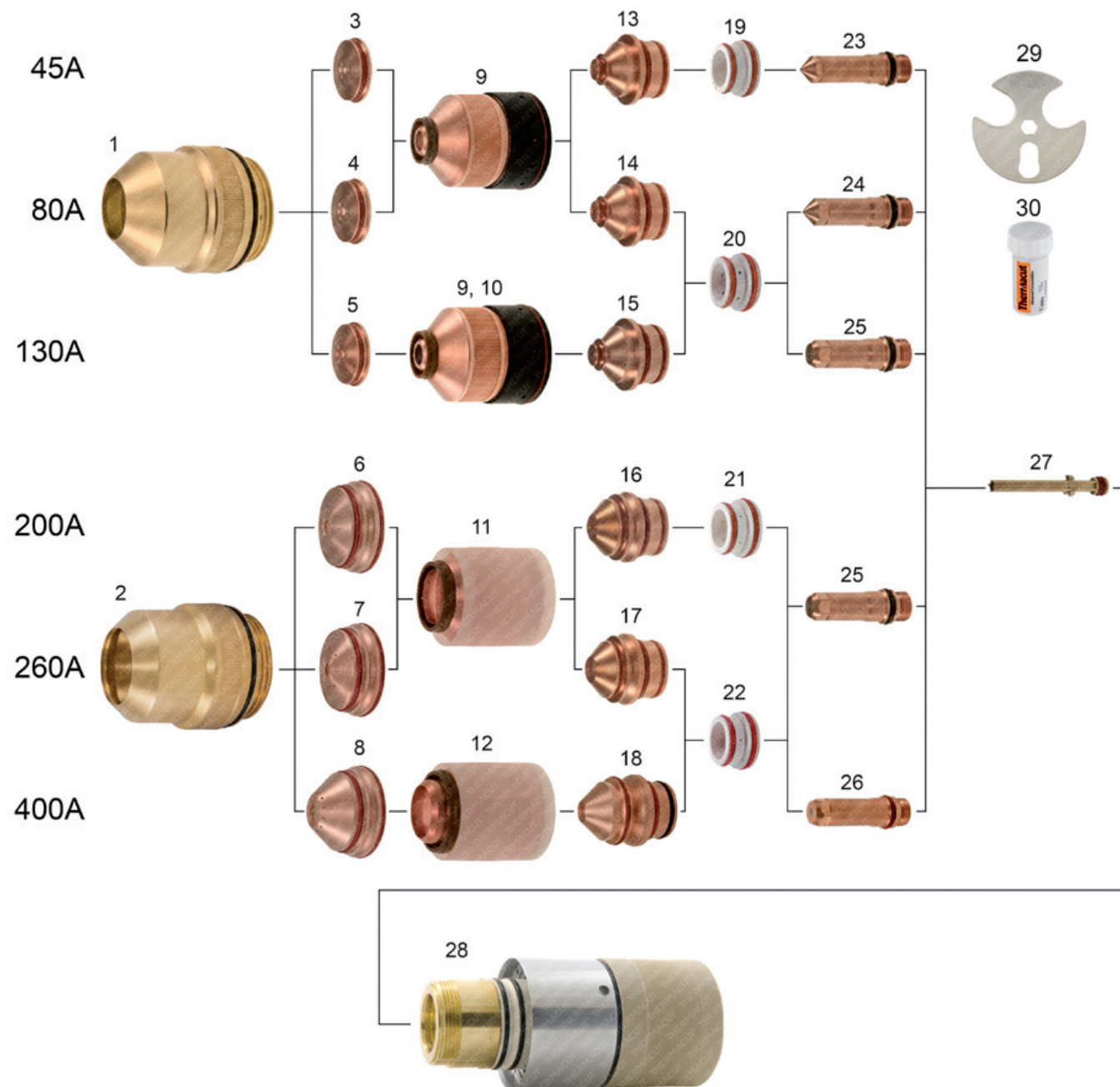
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® stainless steel



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® stainless steel

| Item | Part No. | Ref. No.   | Description                                | Std. Pkg. | Item | Part No. | Ref. No.   | Description                                  | Std. Pkg. |
|------|----------|------------|--------------------------------------------|-----------|------|----------|------------|----------------------------------------------|-----------|
| 1.   | T-11108  | 220747 OEM | Shield Cap 45-130A                         | 1         | 18.  | T-11530  | 220708 OEM | Nozzle 400A (400A Bevel)                     | 1         |
| 2.   | T-11113  | 220637 OEM | Shield Cap 200-400A (130-400A Bevel)       | 1         | 19.  | T-10297  | 220180     | Swirl Ring 45A                               | 1         |
| 3.   | T-9975   | 220202     | Shield 45A                                 | 1         | 20.  | T-10295  | 220179     | Swirl Ring 80/130A (130A Bevel)              | 1         |
| 4.   | T-9979   | 220338     | Shield 80A                                 | 1         | 21.  | T-10579  | 220342     | Swirl Ring 200A                              | 1         |
| 5.   | T-9982   | 220198     | Shield 130A                                | 1         | 22.  | T-10596  | 220405     | Swirl Ring 260/400A (260/400A Bevel)         | 1         |
| 6.   | T-11518  | 220762 OEM | Shield 200A                                | 1         | #23. | T-9978#  | 220308-UR  | Electrode 45A                                | 5         |
| 7.   | T-11519  | 220763 OEM | Shield 260A                                | 1         | #24. | T-9981#  | 220339-UR  | Electrode 80A                                | 5         |
| 8.   | T-11528  | 220707 OEM | Shield 400A (400A Bevel)                   | 1         | #25. | T-9984#  | 220307-UR  | Electrode 130/200/260A                       | 5         |
| 9.   | T-11520  | 220755 OEM | Inner Retaining Cap 45/80/130A             | 1         | 26.  | T-11531  | 220709 OEM | Electrode 400A (400A Bevel)                  | 1         |
| 10.  | T-11273  | 220756     | Inner Retaining Cap 130A (N <sub>2</sub> ) | 1         | #27. | T-9882#  | 220340-UR  | Water Tube With O-Ring 45-260A               | 1         |
| 11.  | T-11522  | 220758 OEM | Inner Retaining Cap 200/260A               | 1         | #NS  | T-10323# | 220571-UR  | Water Tube With O-Ring 400A (130-400A Bevel) | 1         |
| 12.  | T-11529  | 220712 OEM | Inner Retaining Cap 400A (400A Bevel)      | 1         | 28.  | T-11516  | 220706 OEM | Quick - Disconnect Torch                     | 1         |
| 13.  | T-9977   | 220201     | Nozzle 45A                                 | 1         | NS   | T-11116  | 220705 OEM | Quick - Disconnect Receptacle                | 1         |
| 14.  | T-9980   | 220337     | Nozzle 80A                                 | 1         | NS   | T-11517  | 220789 OEM | Mounting Tube                                | 1         |
| 15.  | T-9983   | 220197     | Nozzle 130A                                | 1         | *29. | TN-0069* | 104119-UR  | Consumables Removal Tool                     | 1         |
| 16.  | T-9987   | 220343     | Nozzle 200A                                | 1         | 30.  | T-0994   | T-0994     | O-ring lubricant - grease 25ml               | 1         |
| 17.  | T-9990   | 220406     | Nozzle 260A                                | 1         |      |          |            |                                              |           |

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OEM ORIGINAL PARTS

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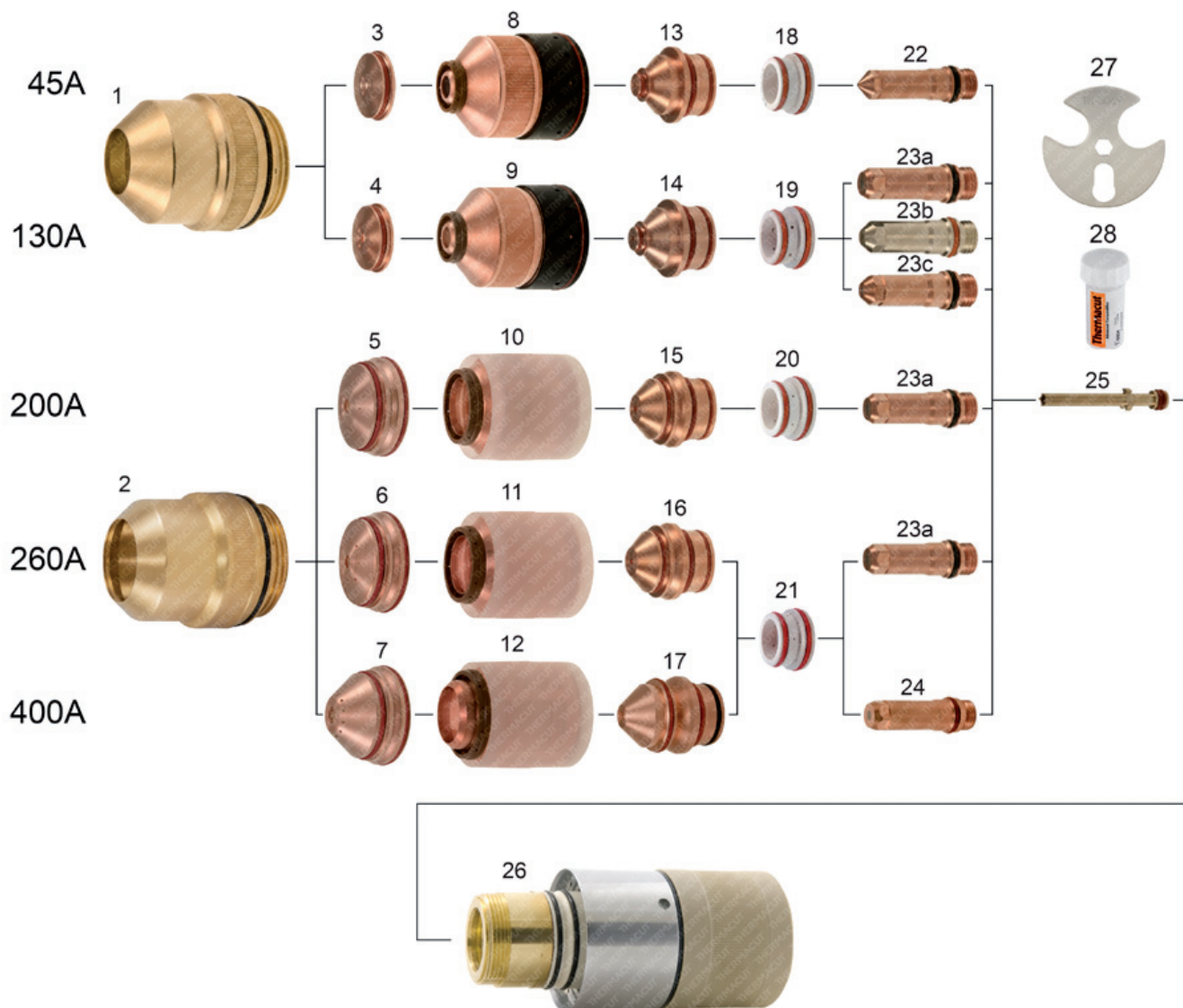
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® aluminium



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPerformance™ Plasma

HPR130XD®/HPR260XD®/HPR400XD® aluminium

| Item  | Part No. | Ref. No.   | Description                                | Std. Pkg. | Item  | Part No. | Ref. No.   | Description                     | Std. Pkg. |
|-------|----------|------------|--------------------------------------------|-----------|-------|----------|------------|---------------------------------|-----------|
| 1.    | T-11108  | 220747 OEM | Shield Cap 45/130A                         | 1         | 18.   | T-10297  | 220180     | Swirl Ring 45A                  | 1         |
| 2.    | T-11113  | 220637 OEM | Shield Cap 200-400A                        | 1         | 19.   | T-10295  | 220179     | Swirl Ring 130A                 | 1         |
| 3.    | T-9975   | 220202     | Shield 45A                                 | 1         | 20.   | T-10579  | 220342     | Swirl Ring 200A                 | 1         |
| 4.    | T-9982   | 220198     | Shield 130A                                | 1         | 21.   | T-10596  | 220405     | Swirl Ring 260/400A             | 1         |
| 5.    | T-11518  | 220762 OEM | Shield 200A                                | 1         | #22.  | T-9987#  | 220308-UR  | Electrode 45A                   | 1         |
| 6.    | T-11519  | 220763 OEM | Shield 260A                                | 1         | #23.c | T-9920#  | 220181-UR  | Electrode 130A (Air)            | 5         |
| 7.    | T-11528  | 220707 OEM | Shield 400A                                | 1         | #23.b | T-4917#  | 220181-AG  | Electrode, SilverEX® 130A (Air) | 5         |
| 8.,9. | T-11273  | 220756     | Inner Retaining Cap 45/130A                | 1         | #23.a | T-9984#  | 220307-UR  | Electrode 130/200/260A          | 5         |
| 9.    | T-11520  | 220755 OEM | Inner Retaining Cap 130A (N <sub>2</sub> ) | 1         | 24.   | T-11531  | 220709 OEM | Electrode 400A                  | 5         |
| 10.   | T-11521  | 220759 OEM | Inner Retaining Cap 200A                   | 1         | #25.  | T-9882#  | 220340-UR  | Water Tube With O-Ring 45-260A  | 1         |
| 11.   | T-11522  | 220758 OEM | Inner Retaining Cap 260A                   | 1         | #NS   | T-10323# | 220571-UR  | Water Tube 400A                 | 1         |
| 12.   | T-11529  | 220712 OEM | Inner Retaining Cap 400A                   | 1         | 26.   | T-11516  | 220706 OEM | Quick-Disconnect Torch          | 1         |
| 13.   | T-9977   | 220201     | Nozzle 45A                                 | 1         | NS    | T-11116  | 220705 OEM | Quick-Disconnect Receptacle     | 1         |
| 14.   | T-9983   | 220197     | Nozzle 130A                                | 1         | NS    | T-11517  | 220789 OEM | Mounting Tube                   | 1         |
| 15.   | T-9993   | 220346     | Nozzle 200A                                | 1         | *27.  | TN-0069* | 104119-UR  | Consumables Removal Tool        | 1         |
| 16.   | T-9990   | 220406     | Nozzle 260A                                | 1         | 28.   | T-0994   | T-0994     | O-ring lubricant - grease 25ml  | 1         |
| 17.   | T-11530  | 220708 OEM | Nozzle 400A                                | 1         |       |          |            |                                 |           |

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OEM ORIGINAL PARTS

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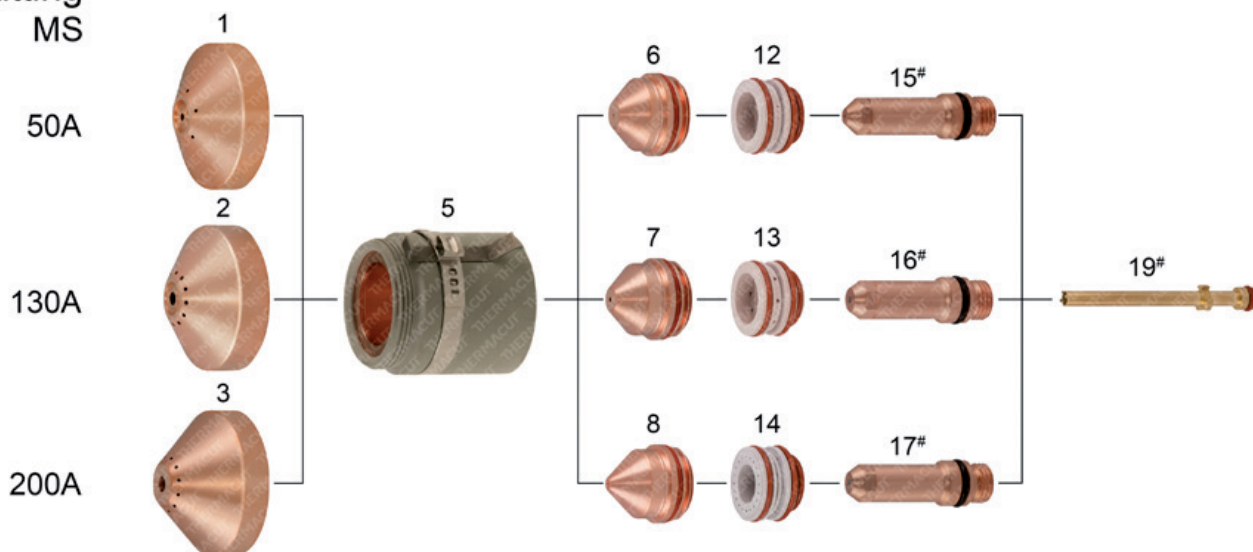
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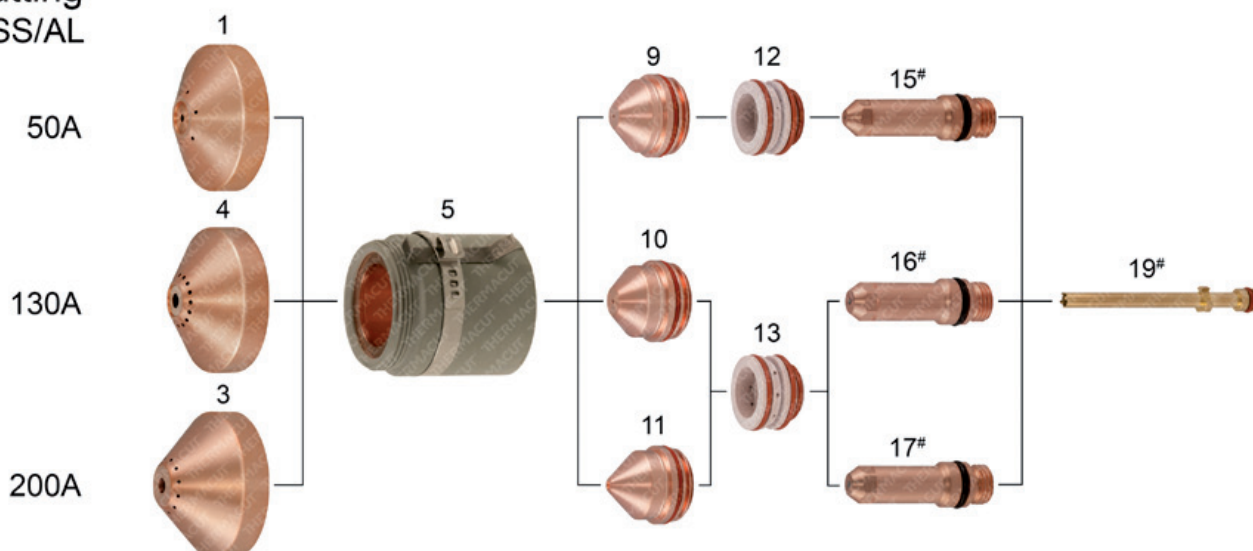
HyPro2000™ upgrade torch

For HT2000® mild steel, stainless steel, aluminium

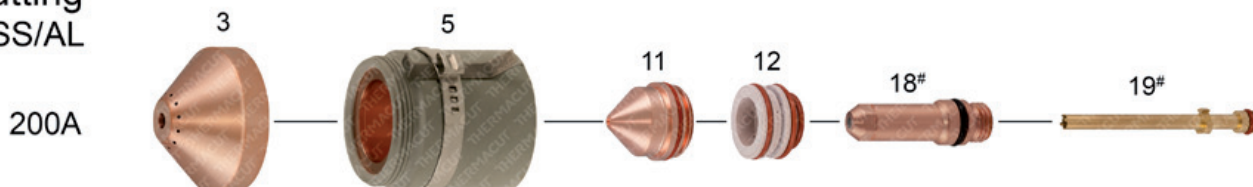
O<sub>2</sub> cutting  
MS



Air cutting  
MS/SS/AL



N<sub>2</sub> cutting  
SS/AL



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPro2000™ upgrade torch

For HT2000® mild steel, stainless steel, aluminium

| Item | Part No. | Ref. No. | Description | Std. Pkg.                                                              | Item | Part No. | Ref. No. | Description | Std. Pkg.  |                                                         |   |
|------|----------|----------|-------------|------------------------------------------------------------------------|------|----------|----------|-------------|------------|---------------------------------------------------------|---|
| NEW  | 1.       | T-11283  | 220532      | Shield 50A O <sub>2</sub> /Air                                         | 1    | NEW      | 10.      | T-11315*    | 220892-UR  | Nozzle 130A Air                                         | 1 |
|      | 2.       | T-11281  | 220491      | Shield 130A O <sub>2</sub>                                             | 1    |          | 11.      | T-12342     | 420044 OEM | Nozzle 200A N <sub>2</sub>                              | 1 |
|      | 3.       | T-11375  | 220832      | Shield 200A O <sub>2</sub> /Air                                        | 1    |          | 12.      | T-11282     | 220529     | Swirl Ring 50A O <sub>2</sub> /Air, 200A N <sub>2</sub> | 1 |
| NEW  | 4.       | T-11284  | 220536      | Shield 130A Air                                                        | 1    | NEW      | 13.      | T-11280     | 220488     | Swirl Ring 130A O <sub>2</sub> /Air                     | 1 |
|      | 5.       | T-11349* | 220936-UR   | Retaining Cap 50-200A O <sub>2</sub> /Air, 200A N <sub>2</sub>         | 1    |          | 14.      | T-11312     | 220834     | Swirl Ring 200A O <sub>2</sub>                          | 1 |
|      | NS       | T-11348* | 220935-UR   | Retaining Cap 50-200A O <sub>2</sub> /Air, 200A N <sub>2</sub> w/o IHS | 1    |          | 15.      | T-11309#    | 220528-UR  | Electrode 50A O <sub>2</sub> /Air                       | 5 |
| NEW  | 6.       | T-11314* | 220891-UR   | Nozzle 50A O <sub>2</sub>                                              | 1    | NEW      | 16.      | T-11304#    | 220487-UR  | Electrode 130A O <sub>2</sub> /Air                      | 5 |
|      | 7.       | T-11316* | 220893-UR   | Nozzle 130A O <sub>2</sub>                                             | 1    |          | 17.      | T-11317#    | 220937-UR  | Electrode 200A O <sub>2</sub> /Air                      | 5 |
|      | 8.       | T-12343  | 220831 OEM  | Nozzle 200A O <sub>2</sub>                                             | 1    |          | 18.      | T-0382#     | 020415-UR  | Electrode 200A N <sub>2</sub>                           | 5 |
| NEW  | 9.       | T-11313* | 220890-UR   | Nozzle 50A Air                                                         | 1    | NEW      | 19.      | T-11307#    | 220521-UR  | Cooling Tube (use with TMT electrode)                   | 1 |

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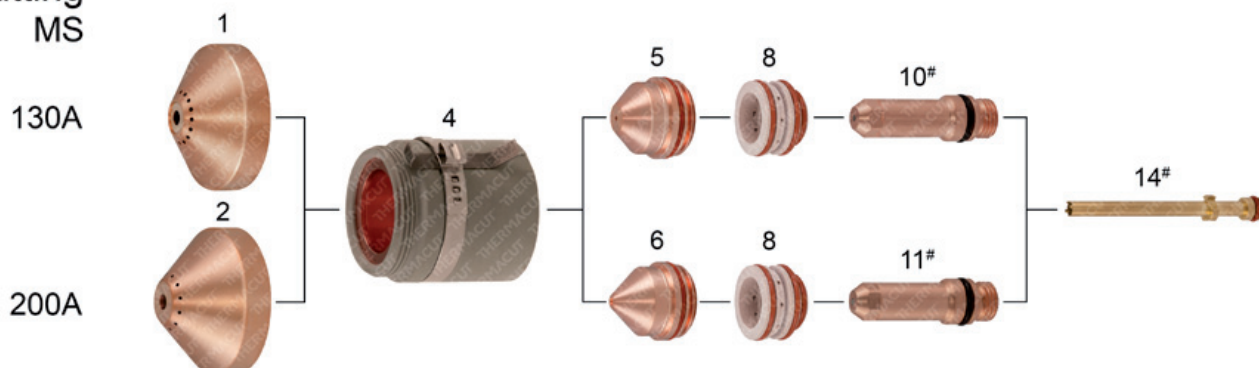
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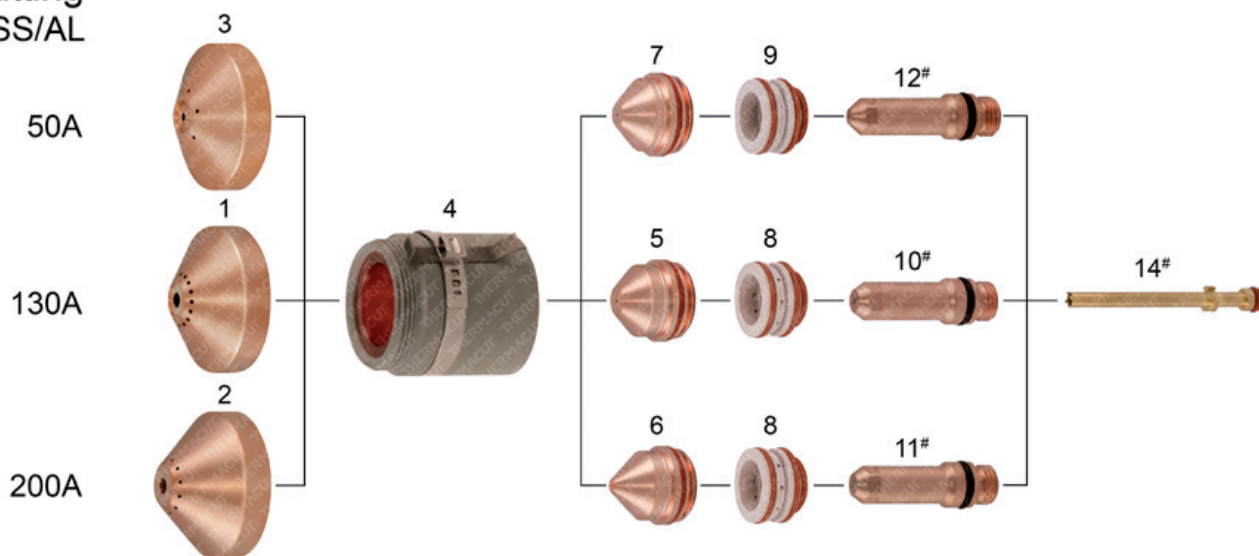
HyPro2000™ upgrade torch

For MAX200® mild steel, stainless steel, aluminium

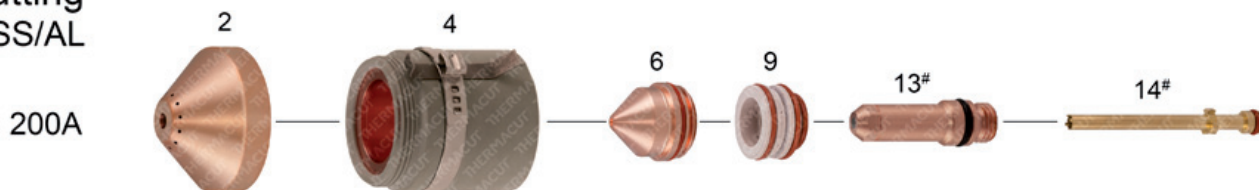
O<sub>2</sub> cutting  
MS



Air cutting  
MS/SS/AL



N<sub>2</sub> cutting  
SS/AL



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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HyPro2000™ upgrade torch

For MAX200® mild steel, stainless steel, aluminium

| Item | Part No. | Ref. No. | Description | Std. Pkg.                                                              | Item | Part No. | Ref. No. | Description | Std. Pkg. |                                                           |                                         |
|------|----------|----------|-------------|------------------------------------------------------------------------|------|----------|----------|-------------|-----------|-----------------------------------------------------------|-----------------------------------------|
| NEW  | 1.       | T-11284  | 220536      | Shield 130A O <sub>2</sub> /Air                                        | 1    | NEW      | 8.       | T-11280     | 220488    | Swirl Ring 130A O <sub>2</sub> / Air, 200A O <sub>2</sub> | 1                                       |
|      | 2.       | T-11376  | 420045      | Shield 200A O <sub>2</sub> /Air/N <sub>2</sub>                         | 1    |          | NEW      | 9.          | T-11282   | 220529                                                    | Swirl Ring 50A Air, 200A N <sub>2</sub> |
| NEW  | 3.       | T-11283  | 220532      | Shield 50A Air                                                         | 1    | NEW      | 10.      | T-11304#    | 220487-UR | Electrode 130A O <sub>2</sub> /Air                        | 5                                       |
|      | 4.       | T-11349* | 220936-UR   | Retaining Cap 50-200A O <sub>2</sub> /Air, 200A N <sub>2</sub>         | 1    |          | NEW      | 11.         | T-11317#  | 220937-UR                                                 | Electrode 200A O <sub>2</sub> /Air      |
| NEW  | NS       | T-11348* | 220935-UR   | Retaining Cap 50-200A O <sub>2</sub> /Air, 200A N <sub>2</sub> w/o IHS | 1    | NEW      | 12.      | T-11309#    | 220528-UR | Electrode 50A Air                                         | 5                                       |
|      | 5.       | T-11315* | 220892-UR   | Nozzle 130A O <sub>2</sub> /Air                                        | 1    |          | NEW      | 13.         | T-0382#   | 020415-UR                                                 | Electrode 200A N <sub>2</sub>           |
| NEW  | 6.       | T-12342  | 420044 OEM  | Nozzle 200A O <sub>2</sub> /Air/N <sub>2</sub>                         | 1    | NEW      | 14.      | T-11307#    | 220521-UR | Cooling Tube (use with TMT electrode)                     | 1                                       |
|      | 7.       | T-11313* | 220890-UR   | Nozzle 50A Air                                                         | 1    |          |          |             |           |                                                           |                                         |

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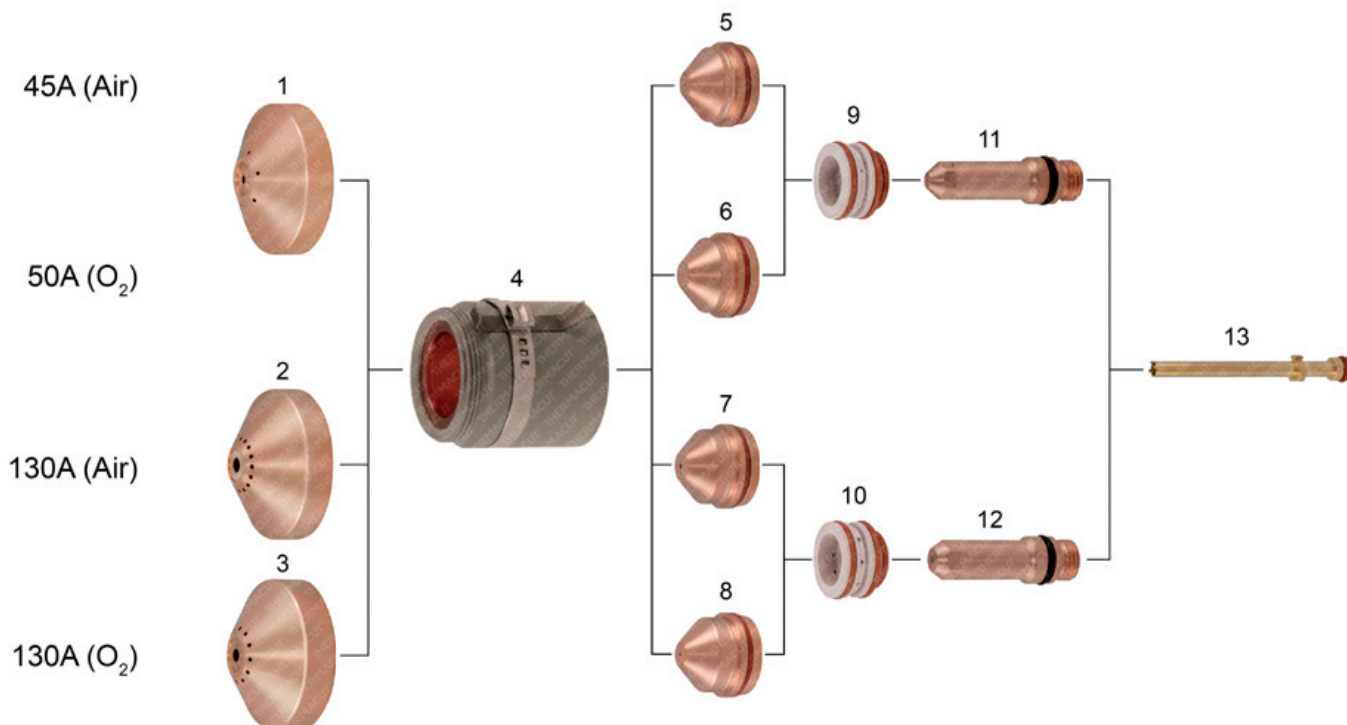
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HySpeed® Plasma  
HSD130™ mild steel



| Item | Part No.     | Ref. No.  | Description                                          | Std. Pkg. | Item | Part No.      | Ref. No.  | Description                            | Std. Pkg. |
|------|--------------|-----------|------------------------------------------------------|-----------|------|---------------|-----------|----------------------------------------|-----------|
| NEW  | 1. T-11283   | 220532    | Shield 45A Air, 50A O <sub>2</sub>                   | 1         | NEW  | 7. T-11306    | 220492    | Nozzle 130A Air                        | 1         |
| NEW  | 2. T-11284   | 220536    | Shield 130A Air                                      | 1         | NEW  | 8. T-11305    | 220489    | Nozzle 130A O <sub>2</sub>             | 1         |
| NEW  | 3. T-11281   | 220491    | Shield 130A O <sub>2</sub>                           | 1         | NEW  | 9. T-11282    | 220529    | Swirl Ring 45A Air, 50A O <sub>2</sub> | 5         |
| NEW  | *4. T-11285* | 220578-UR | Ret. Cap 45/130A Air, 50/130A O <sub>2</sub> w/IHS   | 1         | NEW  | 10. T-11280   | 220488    | Swirl Ring 130A Air/O <sub>2</sub>     | 5         |
| NEW  | *NS T-11347* | 220490-UR | Ret. Cap 45/130A Air, 50/130A O <sub>2</sub> w/o IHS | 1         | NEW  | #11. T-11309# | 220528-UR | Electrode 45A Air, 50A O <sub>2</sub>  | 5         |
| NEW  | 5. T-11308   | 220525    | Nozzle 45A Air                                       | 1         | NEW  | #12. T-11304# | 220487-UR | Electrode 130A Air/O <sub>2</sub>      | 5         |
| NEW  | 6. T-11311   | 220530    | Nozzle 50A O <sub>2</sub>                            | 1         | NEW  | #13. T-11307# | 220521-UR | Cooling Tube                           | 1         |

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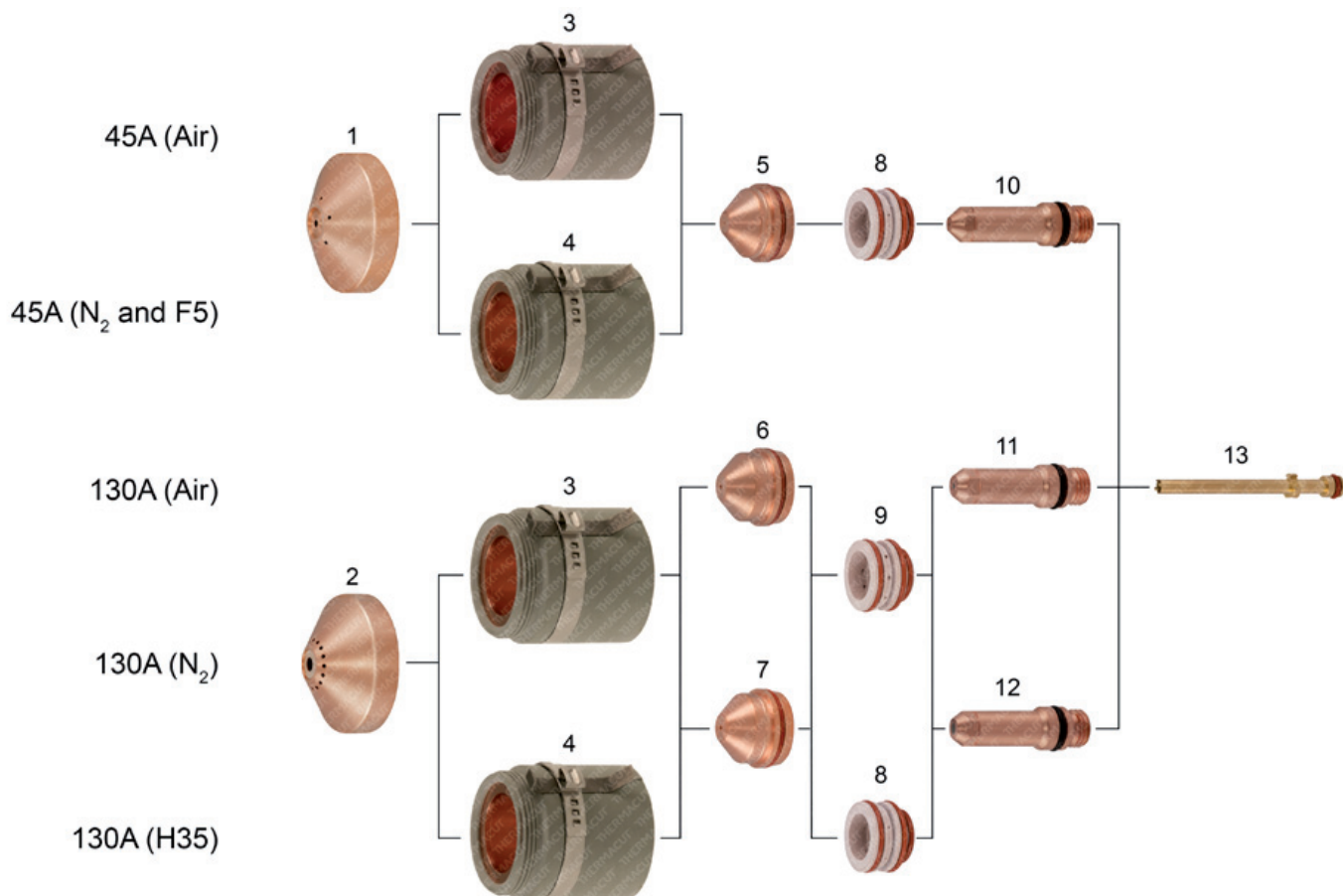
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HySpeed® Plasma  
HSD130™ stainless steel



| Item | Part No. | Ref. No. | Description | Std. Pkg.                                         | Item | Part No. | Ref. No. | Description | Std. Pkg. |                                                 |   |
|------|----------|----------|-------------|---------------------------------------------------|------|----------|----------|-------------|-----------|-------------------------------------------------|---|
| NEW  | 1.       | T-11283  | 220532      | Shield 45A Air/N <sub>2</sub> /F5                 | 1    | NEW      | 7.       | T-11310     | 220535    | Nozzle 130A H35/N <sub>2</sub>                  | 1 |
| NEW  | 2.       | T-11284  | 220536      | Shield 130A Air/H35/N <sub>2</sub>                | 1    | NEW      | 8.       | T-11282     | 220529    | Swirl Ring 45A Air/N <sub>2</sub> /F5, 130A H35 | 5 |
| NEW  | *3.      | T-11285* | 220578-UR   | Ret. Cap 45A Air, 130A Air/N <sub>2</sub> w/LHS   | 1    | NEW      | 9.       | T-11280     | 220488    | Swirl Ring 130A Air/N <sub>2</sub>              | 5 |
| NEW  | *NS      | T-11347* | 220490-UR   | Ret. Cap 45A Air, 130A Air/N <sub>2</sub> w/o LHS | 1    | NEW      | #10.     | T-11309#    | 220528-UR | Electrode 45A Air/N <sub>2</sub> /F5            | 5 |
| NEW  | *4.      | T-11350* | 220534-UR   | Ret. Cap 45A N <sub>2</sub> /F5, 130A H35 w/LHS   | 1    | NEW      | #11.     | T-11304#    | 220487-UR | Electrode 130A Air                              | 5 |
| NEW  | *NS      | T-11346* | 220533-UR   | Ret. Cap 45A N <sub>2</sub> /F5, 130A H35 w/o LHS | 1    | NEW      | #12.     | T-0382#     | 020415-UR | Electrode 130A H35/N <sub>2</sub>               | 5 |
| NEW  | 5.       | T-11308  | 220525      | Nozzle 45A Air/N <sub>2</sub> /F5                 | 1    | NEW      | #13.     | T-11307#    | 220521-UR | Cooling Tube                                    | 1 |
| NEW  | 6.       | T-11306  | 220492      | Nozzle 130A Air                                   | 1    |          |          |             |           |                                                 |   |

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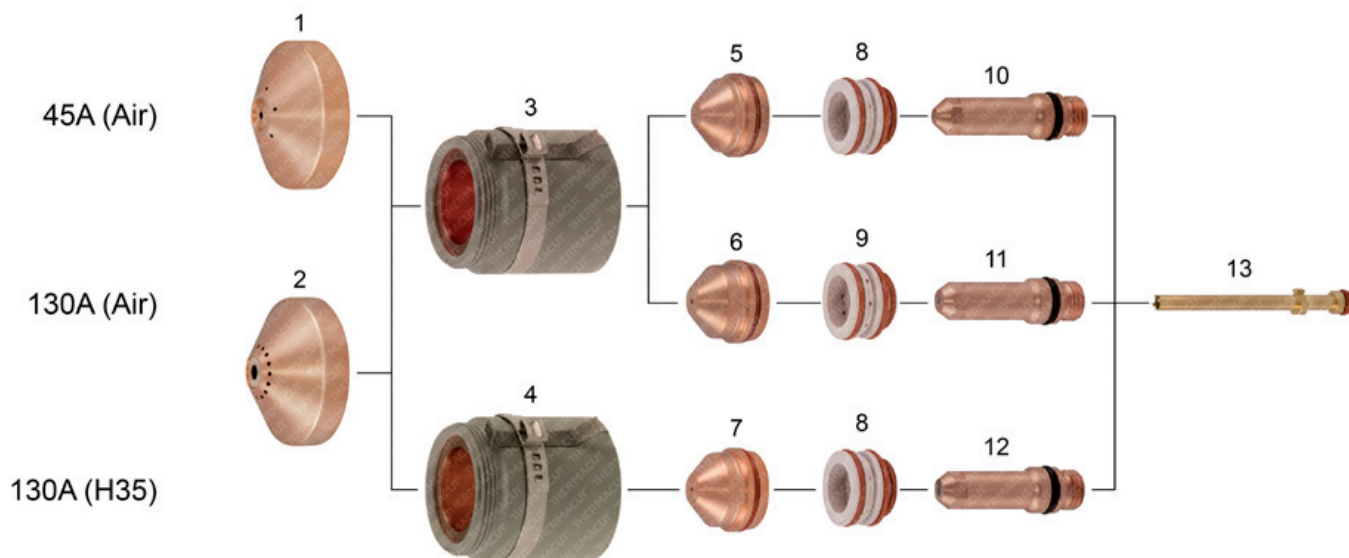
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# REPLACEMENT PARTS SUITABLE FOR HYPERTHERM®

HySpeed® Plasma  
HSD130™ aluminium



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|---------|----------|-----------|-----------------------------------|-----------|----------|----------|-----------|------------------------------|-----------|
| NEW 1.  | T-11283  | 220532    | Shield 45A Air                    | 1         | NEW 7.   | T-11310  | 220535    | Nozzle 130A H35              | 1         |
| NEW 2.  | T-11284  | 220536    | Shield 130A Air/H35               | 1         | NEW 8.   | T-11282  | 220529    | Swirl Ring 45A Air, 130A H35 | 5         |
| NEW *3. | T-11285* | 220578-UR | Retaining Cap 45/130A Air w/IHS   | 1         | NEW 9.   | T-11280  | 220488    | Swirl Ring 130A Air          | 5         |
| NEW *NS | T-11347* | 220490-UR | Retaining Cap 45/130A Air w/o IHS | 1         | NEW #10. | T-11309# | 220528-UR | Electrode 45A Air            | 5         |
| NEW *4. | T-11350* | 220534-UR | Retaining Cap 130A H35 w/IHS      | 1         | NEW #11. | T-11304# | 220487-UR | Electrode 130A Air           | 5         |
| NEW *NS | T-11346* | 220533-UR | Retaining Cap 130A H35 w/o IHS    | 1         | NEW #12. | T-0382#  | 020415-UR | Electrode 130A H35           | 5         |
| NEW 5.  | T-11308  | 220525    | Nozzle 45A Air                    | 1         | NEW #13. | T-11307# | 220521-UR | Cooling Tube                 | 1         |
| NEW 6.  | T-11306  | 220492    | Nozzle 130A Air                   | 1         |          |          |           |                              |           |

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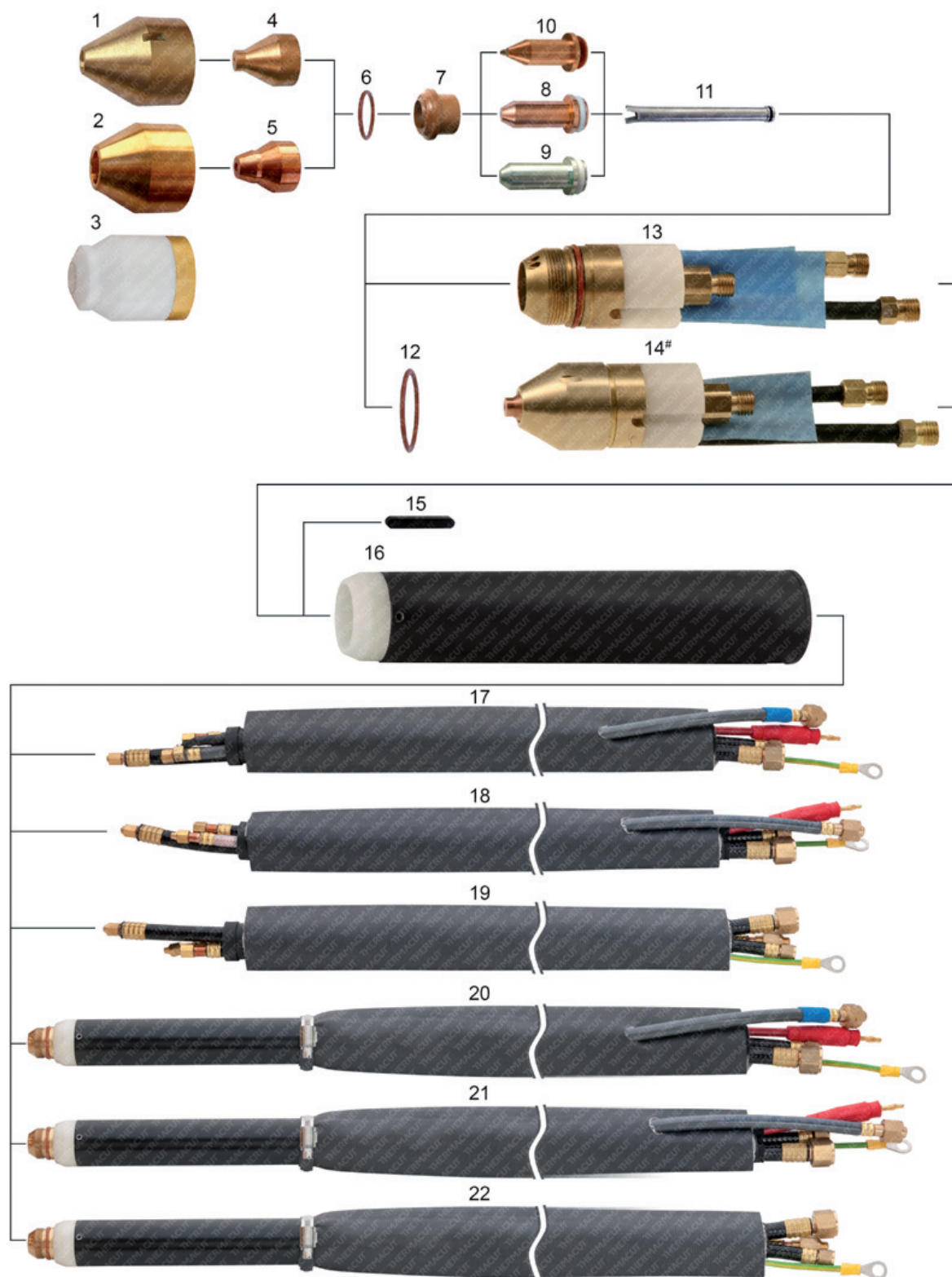
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

PA-S20W®, PA-S25W®, PA-S40W®, PA-S45W®, PA-S70W®  
PB-S45W®



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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

PA-S20W®, PA-S25W®, PA-S40W®, PA-S45W®, PA-S70W®  
PB-S45W®

| Item | Part No. | Ref. No.           | Sh.Ref.No. | Description                           | Std.Pkg. | Item                                                | Part No. | Ref. No.           | Sh.Ref.No. | Description                                   | Std. Pkg. |
|------|----------|--------------------|------------|---------------------------------------|----------|-----------------------------------------------------|----------|--------------------|------------|-----------------------------------------------|-----------|
| 1.   | T-8609   | 11.828.201.151     |            | Nose Cap 6,0                          | 1        | 12.                                                 | T-8602   | 10.575.052         |            | O-Ring                                        | 1         |
| 2.   | T-8617   | 11.830.301.151     |            | Nose Cap 9,6                          | 1        | 13.                                                 | T-8926   | 11.828.301.100     |            | Torch Body, Machine                           | 1         |
| 3.   | T-10040  | 11.828.101.160     |            | Protection Cap, Hand                  | 1        | #14.                                                | T-8607#  | 11.828.201.100     |            | Complete Torch, Machine                       | 1         |
| 4.   | T-8611   | 11.828.201.410     | Ll         | Nozzle 1.0mm, Air, 45A                | 1        | NS                                                  | T-8710   | 11.828.001.820 OEM |            | Electrode Tool                                | 1         |
|      | T-8612   | 11.828.201.413     | Ld         | Nozzle 1.3mm, Air, 90A                | 1        | NS                                                  | T-8711   | 11.828.001.810     |            | Nose Cap Tool                                 | 1         |
|      | T-8613   | 11.828.201.414     | Le         | Nozzle 1.4mm, Air, 120A               | 1        | 15.                                                 | PT-12482 | 11.828.201.250-3   |            | Tube Pin                                      | 1         |
| 5.   | T-8614   | 11.828.203.410     | Lle        | Nozzle 1.0mm, Lle, Air, 45A           | 1        | 16.                                                 | T-8610   | 11.828.201.250     |            | Tube complete, incl.pos.15                    | 1         |
|      | T-8615   | 11.828.203.413     | Lde        | Nozzle 1.3mm, Lde, Air, 90A           | 1        | 17.                                                 | KT-1068  | 11.832.521.701     |            | Cable Leads 10m PB-S45W-1/O <sub>2</sub>      | 1         |
|      | T-8616   | 11.828.203.414     | Lee        | Nozzle 1.4mm, Lee, Air, 130A          | 1        | 18.                                                 | KT-1373  | K.PB-S45W-1L.15M.K |            | Cable Leads PB-S45W-1/L                       | 1         |
|      | T-8736   | 11.828.213.613     | Ade        | Nozzle, 1.3mm ArH <sub>2</sub> , 80A  | 1        | 19.                                                 | KT-1296  | 11.832.401.701     |            | Cable Leads 10m PB-S45W/L                     | 1         |
|      | T-8737   | 11.828.213.614     | Aee        | Nozzle, 1.4mm ArH <sub>2</sub> , 100A | 1        |                                                     | KT-1322  | K.PB-S45W-L.15M.K  |            | Cable Leads 15m PB-S45W/L                     | 1         |
|      | T-8738   | 11.828.213.616     | Afe        | Nozzle, 1.6mm ArH <sub>2</sub> , 130A | 1        | 20.                                                 | KT-1208  | 11.832.521.006     |            | Torch with Leads 6m PB-S45W-1/O <sub>2</sub>  | 1         |
|      | T-8620   | 11.834.321.410     | Lle-XL     | Nozzle 1,0 45A O <sub>2</sub>         | 1        |                                                     | KT-1255  | 11.832.521.010     |            | Torch with Leads 10m PB-S45W-1/O <sub>2</sub> | 1         |
|      | T-8621   | 11.834.321.413     | Lde-XL     | Nozzle 1,3 90A O <sub>2</sub>         | 1        | 21.                                                 | KT-1254  | 11.832.501.010     |            | Torch with Leads 10m PB-S45W-1/L              | 1         |
|      | T-8622   | 11.834.321.414     | Lee-XL     | Nozzle 1,4 130A O <sub>2</sub>        | 1        |                                                     | KT-1272  | K.PB-S45W-1L.15M   |            | Torch with Leads 15m PB-S45W-1/L              | 1         |
| 6.   | T-8601   | 10.575.036         |            | O-Ring                                | 1        | 22.                                                 | KT-1402  | 11.832.401.006     |            | Torch with Leads 6m PB-S45W/L                 | 1         |
| 7.   | T-8604   | 11.828.001.153     | Z111       | Gas Guide                             | 1        |                                                     | KT-1116  | 11.832.401.010     |            | Torch with Leads 10m PB-S45W/L                | 1         |
|      | T-10794  | 11.828.001.153K    | Z111       | Gas Guide, Ceramic                    | 1        |                                                     | KT-1054  | K.PB-S45W-L.15M    |            | Torch with Leads 15m PB-S45W/L                | 1         |
| 8.   | T-8605   | 11.828.001.3001    | Kb         | Cathode                               | 5        |                                                     | KT-1356  | K.PB-S45W-L.20M    |            | Torch with Leads 20m PB-S45W/L                | 1         |
| 9.   | T-4921   | 11.834.321.3001-AG |            | Cathode, Silver                       | 5        | NS                                                  | KT-1230  | 11.832.501.1015    |            | Torch with Leads 1,5m PB-S45W-1/L             | 1         |
| 10.  | T-8735   | 11.828.211.5001    | Ka         | Cathode ArH <sub>2</sub> (i)          | 5        | Different types of cable leads available on request |          |                    |            |                                               |           |
| 11.  | T-8603   | 11.828.001.152     |            | Cooling Tube                          | 1        |                                                     |          |                    |            |                                               |           |

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# Including parts: torch 11.828.301.100, electrode 11.828.001.3001, swirl ring 11.828.001.153, o-ring 10.575.036, nozzle 11.828.203.413, nose cap 11.830.301.151

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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

Fine Focus 450®  
PB-S47® W - 1 / O<sub>2</sub>®



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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

**Fine Focus 450®**  
**PB-S47® W - 1 / O<sub>2</sub>®**

| Item | Part No. | Ref. No.           | Sh.Ref.No. | Description                           | Std.Pkg. | Item | Part No. | Ref. No.          | Sh.Ref.No. | Description                            | Std. Pkg. |
|------|----------|--------------------|------------|---------------------------------------|----------|------|----------|-------------------|------------|----------------------------------------|-----------|
| 1.   | T-8641   | 11.832.201.081     | W501       | Protection Cap                        | 1        | 10.  | T-8735   | 11.828.211.5001   | Ka         | Electrode, ArH <sub>2</sub> (i)        | 5         |
| 2.   | T-8642   | 11.832.201.1561    | W4130      | Swirl Gas Cup 3,0                     | 1        | 11.  | T-8602   | 10.575.052        |            | O-Ring                                 | 1         |
|      | T-8643   | 11.832.201.1571    | W4140      | Swirl Gas Cup 4,0                     | 1        | 12.  | T-8647   | 10.505.915        |            | O-Ring                                 | 1         |
| 3.   | T-8644   | 11.832.201.160     | W3030      | Nozzle Cap                            | 1        | 13.  | PT-10232 | 11.832.201.152    |            | Cooling Tube                           | 1         |
| 4.   | T-8620   | 11.834.321.410     | Lle-XL     | Nozzle 1.0mm, O <sub>2</sub> , 45A    | 1        | 14.  | T-8649   | 11.832.221.100    |            | Torch Body, Machine                    | 1         |
|      | T-8621   | 11.834.321.413     | Lde-XL     | Nozzle 1.3mm, O <sub>2</sub> , 90A    | 1        | 15.  | T-8648   | 10.505.948        |            | O-Ring                                 | 1         |
|      | T-8622   | 11.834.321.414     | Lee-XL     | Nozzle 1.4mm, O <sub>2</sub> , 130A   | 1        | 16.  | T-10193  | 11.832.221.100-10 |            | Tube Adaptor                           | 1         |
|      | T-8736   | 11.828.213.613     | Ade        | Nozzle 1.3mm, ArH <sub>2</sub> , 80A  | 1        | 17.  | T-10925  | 11.832.201.077    |            | Clamping Bush                          | 1         |
|      | T-8737   | 11.828.213.614     | Aee        | Nozzle 1.4mm, ArH <sub>2</sub> , 100A | 1        | 18.  | T-10924  | 11.832.201.076    |            | Outer Bush                             | 1         |
|      | T-8738   | 11.828.213.616     | Afe        | Nozzle 1.6mm, ArH <sub>2</sub> , 130A | 1        | 19.  | T-10772  | 11.834.321.250    |            | Tube PB-S47W                           | 1         |
| 5.   | T-8601   | 10.575.036         |            | O-Ring                                | 1        | 20.  | KT-1155  | 11.834.721.1015   |            | Torch with Leads 1.5m 2/O <sub>2</sub> | 1         |
| 6.   | T-8618   | 11.834.321.153     | Z111       | Swirl Ring                            | 1        | 21.  | KT-1056  | 11.834.321.006    |            | Torch with Leads 6m 1/O <sub>2</sub>   | 1         |
| 7.   | T-3287   | 11.834.321.153K    | Z111       | Swirl Ring - ceramic                  | 1        |      | KT-1102  | 11.834.321.015    |            | Torch with Leads 15m 1/O <sub>2</sub>  | 1         |
| 8.   | T-8619   | 11.834.321.3001    | Kb-XL      | Electrode                             | 5        |      | KT-1127  | K.PB-S47W.20M     |            | Torch with Leads 20m 1/O <sub>2</sub>  | 1         |
| 9.   | T-4921   | 11.834.321.3001-AG | Kb-XL      | Electrode, silver                     | 5        |      |          |                   |            |                                        |           |

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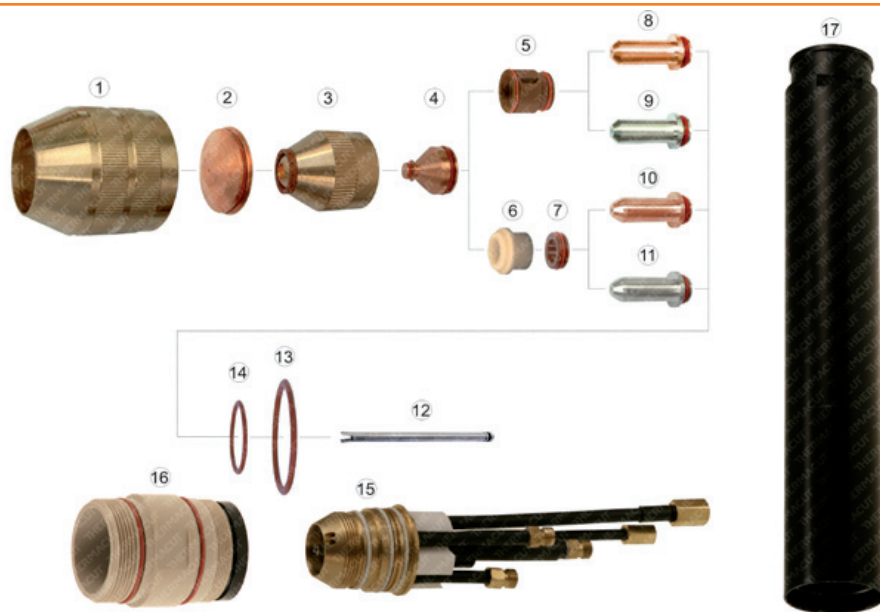
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus 100®  
PerCut 101®



| Item | Part No. | Ref. No.           | Description     |       | Std. Pkg. | Item | Part No. | Ref. No.            | Description                         |        | Std. Pkg. |
|------|----------|--------------------|-----------------|-------|-----------|------|----------|---------------------|-------------------------------------|--------|-----------|
| 1.   | T-8630   | 11.835.201.081     | Protection Cap  | Z501  | 1         |      | T-8886   | 11.835.221.154      | Gas Guiding Cap                     | Z102   | 1         |
| 2.   | T-8631   | 11.835.201.1561    | Swirlgas Cap    | Z4015 | 1         | 6.   | T-9287   | 11.834.321.153K     | Gas Guiding Cap                     | Z111   | 1         |
|      | T-8632   | 11.835.201.1571    | Swirlgas Cap    | Z4020 | 1         | 7.   | T-8655   | 11.835.421.303      | Spacer                              | Z111A  | 1         |
|      | T-8633   | 11.835.201.1581    | Swirlgas Cap    | Z4025 | 1         | 8.   | T-8624   | 11.835.221.3101     | Cathode (i)                         | Z002Cu | 5         |
|      | T-8634   | 11.835.201.1591    | Swirlgas Cap    | Z4030 | 1         | 9.   | T-4922   | 11.835.221.3101-AG  | Cathode, Silver                     | Z002   | 5         |
|      | T-8650   | 11.835.401.1571    | Swirlgas Cap    | Z4140 | 1         | 10.  | T-8653   | 11.835.421.3101-PRO | Cathode                             | Z012Cu | 5         |
|      | T-9928   | 11.835.411.1581    | Swirlgas Cap    | Z4530 | 1         | 11.  | T-4923   | 11.835.421.3101-AG  | Cathode, Silver                     | Z012   | 5         |
|      | T-9929   | 11.835.411.1591    | Swirlgas Cap    | Z4540 | 1         | NS   | T-10196* | 11.835.211.5101 OEM | Cathode HiFinox®                    | Z042   | 5         |
| 3.   | T-8635   | 11.835.201.160     | Nozzle Cap      | Z3004 | 1         | NS   | T-10053* | 11.835.411.5101 OEM | Cathode HiFinox®                    | Z052   | 5         |
|      | T-8636   | 11.835.201.162     | Nozzle Cap      | Z3008 | 1         | 12.  | T-8638   | 11.835.201.152      | Cooling Tube                        |        | 1         |
| 4.   | T-8625   | 11.835.221.406     | Nozzle          | Z2006 | 1         | 13.  | T-8640   | 10.505.946          | O-Ring                              |        | 1         |
|      | T-8626   | 11.835.221.407     | Nozzle          | Z2007 | 1         | 14.  | N-10040  | 10.505.916          | O-Ring                              |        | 1         |
|      | T-8627   | 11.835.221.408     | Nozzle          | Z2008 | 1         | 15.  | T-8654   | 11.835.221.100      | Torch Body, Machine                 |        | 1         |
|      | T-8628   | 11.835.221.410     | Nozzle          | Z2010 | 1         | 16.  | T-10282  | 11.842.221.100-10   | Tube Adaptor                        |        | 1         |
|      | T-8929   | 11.835.221.411     | Nozzle          | Z2011 | 1         | 17.  | T-9723   | 11.838.221.250      | Tube Percut 101-2                   |        | 1         |
|      | T-8629   | 11.835.221.412     | Nozzle          | Z2012 | 1         | NS   | T-10164* | 11.843.001.810 OEM  | Nozzle Tool                         |        | 1         |
|      | T-8637   | 11.835.221.414     | Nozzle          | Z2014 | 1         | NS   | T-10163* | 11.835.221.820 OEM  | Electrode Tool                      |        | 1         |
|      | T-8651   | 11.835.421.412     | Nozzle          | Z2112 | 1         | NS   | T-9755   | 11.835.201.077      | Clamping Bush                       |        | 1         |
|      | T-8652   | 11.835.421.414     | Nozzle          | Z2114 | 1         | NS   | T-9756   | 11.835.201.076      | Outer Bush                          |        | 1         |
| NS   | T-10417* | 11.835.411.614 OEM | Nozzle          | Z2514 | 1         | NS   | KT-1203  | 11.838.221.1015     | PerCut 101-2 Torch with Leads 1,75m |        | 1         |
| NS   | T-10054* | 11.835.411.616 OEM | Nozzle          | Z2516 | 1         | NS   | KT-1185  | 11.838.421.700      | PerCut 101-1 Cable Leads 6m         |        | 1         |
| 5.   | T-8623   | 11.835.221.153     | Gas Guiding Cap | Z101  | 1         | NS   | KT-1135  | 11.838.421.702      | PerCut 101-1 Cable Leads 15m        |        | 1         |

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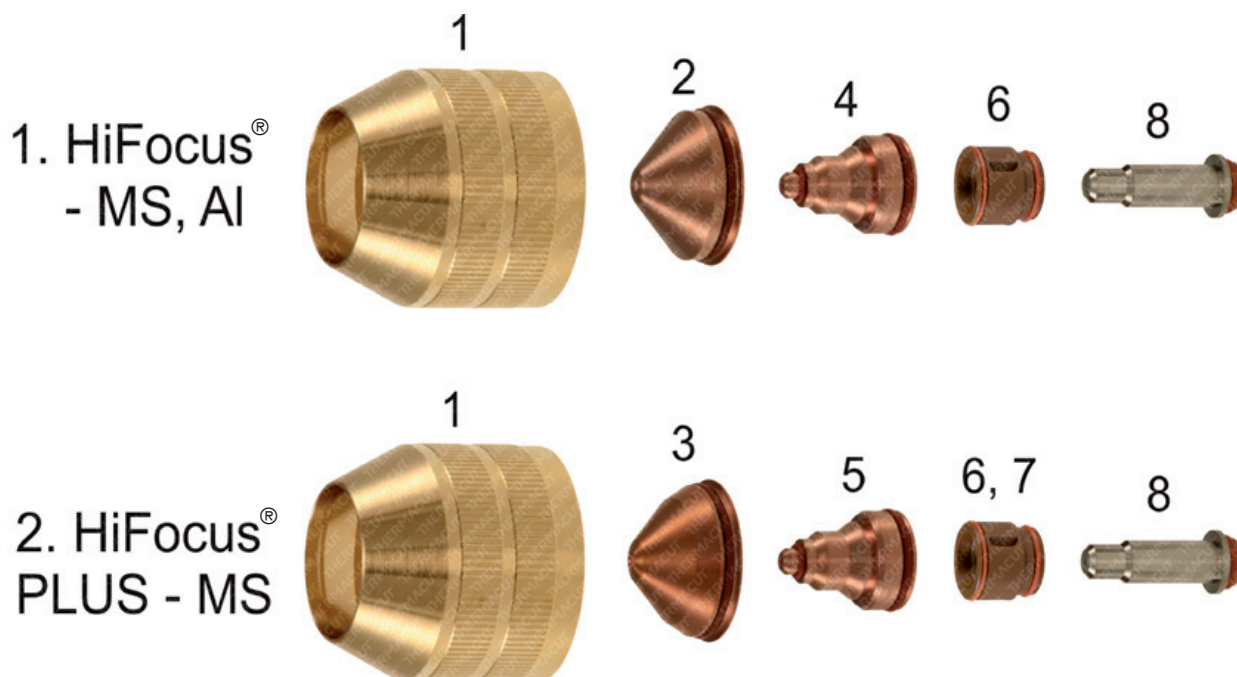
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus160i®

PerCut 160 3D®



| Item | Part No. | Ref. No.            | Description   |       | Std. Pkg. | Item                                                | Part No. | Ref. No.              | Description                                 |       | Std. Pkg. |
|------|----------|---------------------|---------------|-------|-----------|-----------------------------------------------------|----------|-----------------------|---------------------------------------------|-------|-----------|
| 1.   | T-8630   | 11.835.201.081      | Shield Cup    | Z501  | 1         |                                                     | T-10275  | 11.842.621.411        | Nozzle                                      | R2011 | 1         |
| 2.   | T-10299  | 11.838.001.1561     | Shield        | Y4015 | 1         |                                                     | T-10276  | 11.842.621.412        | Nozzle                                      | R2012 | 1         |
|      | T-10279  | 11.838.001.1571     | Shield        | Y4020 | 1         |                                                     | T-10277  | 11.842.621.414        | Nozzle                                      | R2014 | 1         |
| 3.   | T-10294  | 11.842.601.157      | Shield        | R4020 | 1         | 6.                                                  | T-8623   | 11.835.221.153        | Swirl Ring                                  | Z101  | 1         |
|      | T-10278  | 11.842.601.155      | Shield        | R4022 | 1         | 7.                                                  | T-8886   | 11.835.221.154        | Swirl Ring                                  | Z102  | 1         |
|      | T-10280  | 11.842.601.158      | Shield        | R4025 | 1         | 8.                                                  | T-4931   | 11.842.621.310-AG     | Cathode O <sub>2</sub> XL                   | R002  | 5         |
|      | T-10303  | 11.842.701.158      | Shield        | R4130 | 1         | NS                                                  | T-11161  | 11.842.601.152        | Cooling Tube                                | R901  | 1         |
| NS   | T-10249* | 11.842.601.160 OEM  | Retaining Cap | R3004 | 1         | NS                                                  | KT-1271  | K.PERCUT160.1,5M      | PerCut 160-2 Mach.Torch with Leads 1,5m     |       |           |
| NS   | T-10298* | 11.842.601.162 OEM  | Retaining Cap | R3008 | 1         | NS                                                  | KT-1179  | 11.842.421.700A       | PerCut 160-2 Cable Leads 1,75m              |       |           |
| NS   | T-10250* | 11.842.601.1621 OEM | Retaining Cap | R3018 | 1         | NS                                                  | KT-1051  | 11.842.421.1015       | PerCut 160-2 Mach.Torch with Leads 1,75m    |       |           |
| NS   | T-10251* | 11.842.601.1622 OEM | Retaining Cap | R3028 | 1         | NS                                                  | KT-1220  | K.PERCUT170-2.1,75M.K | PerCut 170-2 Cable Leads 1,75m              |       |           |
| 4.   | T-10272  | 11.842.621.407      | Nozzle        | R2007 | 1         | NS                                                  | KT-1064  | 11.843.021.1015-UR    | PerCut 170-2-UR Mach.Torch with Leads 1,75m |       |           |
| 5.   | T-10252  | 11.842.621.408      | Nozzle        | R2008 | 1         | NS                                                  | KT-1065  | K.PERCUT170.3M        | PerCut 170-2-UR Mach.Torch with Leads 3m    |       |           |
|      | T-10273  | 11.842.621.409      | Nozzle        | R2009 | 1         | NS                                                  | KT-1218  | K.PERCUT170-2.6M      | PerCut 170-2-UR Mach.Torch with Leads 6m    |       |           |
|      | T-10274  | 11.842.621.410      | Nozzle        | R2010 | 1         | Different types of cable leads available on request |          |                       |                                             |       |           |

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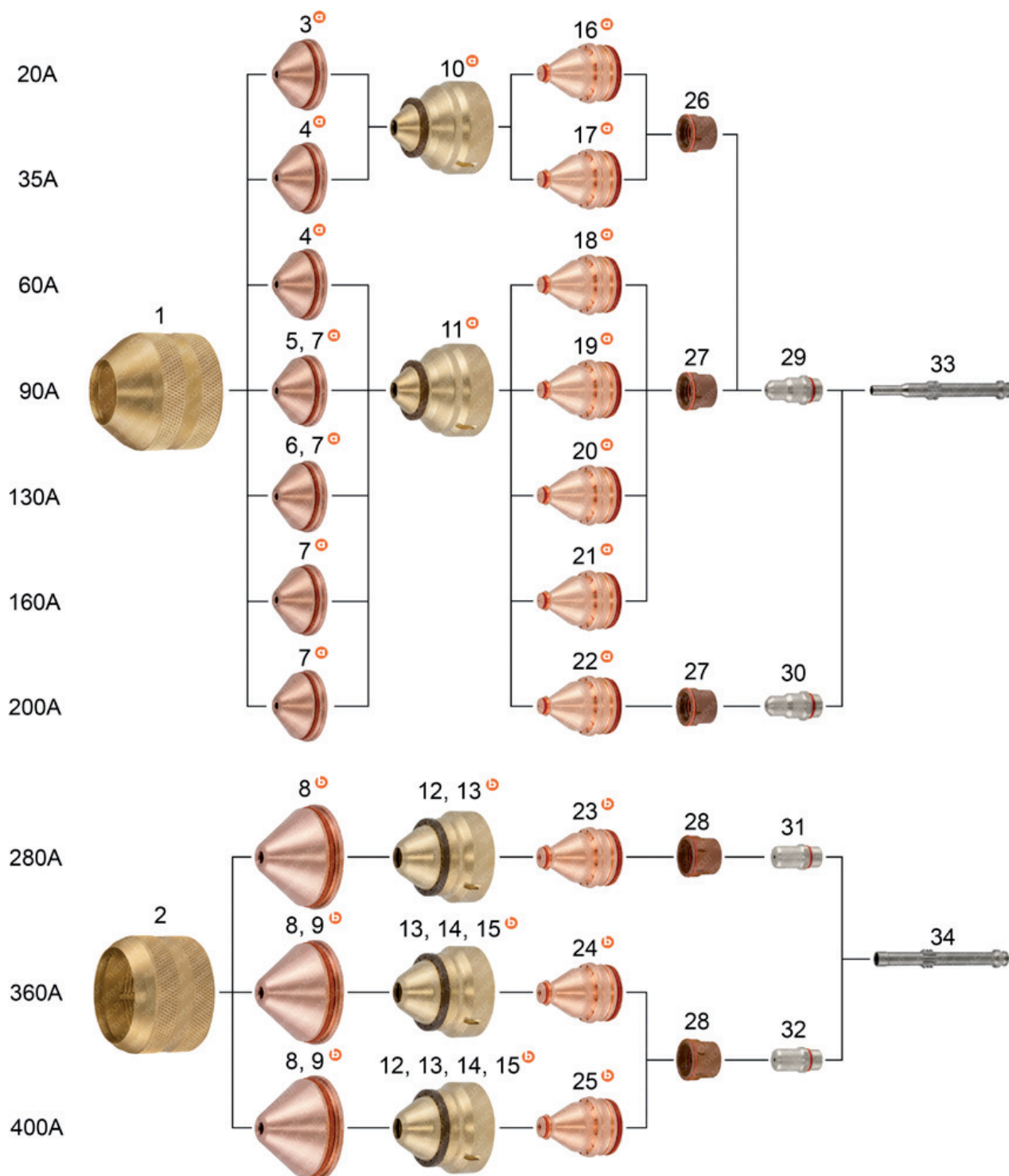
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus160i®, HiFocus280i®, HiFocus 360i®, HiFocus 440i®  
PerCut 200® / PerCut 210® / PerCut 450M®



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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus160i®, HiFocus280i®, HiFocus 360i®, HiFocus 440i®  
PerCut 200® / PerCut 210® / PerCut 450M®

| Item | Part No. | Ref. No.           | Description             |        | Std. Pkg. | Item | Part No. | Ref. No.          | Description                  |        | Std. Pkg. |
|------|----------|--------------------|-------------------------|--------|-----------|------|----------|-------------------|------------------------------|--------|-----------|
| 1.   | T-11221  | 11.848.201.081     | Protection cap 20-200A  | G501   | 1         | 18.  | T-11354  | 11.848.221.408-UR | Nozzle 60A                   | G2008Y | 1         |
| 2.   | T-11227  | 11.848.401.081     | Protection cap 280-400A | G521   | 1         | 19.  | T-11355  | 11.848.221.410-UR | Nozzle 90A                   | G2010Y | 1         |
| 3.   | T-11368  | 11.848.201.1515-UR | Swirl Gas Cap 20A       | G4015  | 1         | 20.  | T-11356  | 11.848.221.412-UR | Nozzle 130A                  | G2012Y | 1         |
| 4.   | T-11369  | 11.848.201.1520-UR | Swirl Gas Cap 35/60A    | G4020  | 1         | 21.  | T-11357  | 11.848.221.414-UR | Nozzle 160A                  | G2014Y | 1         |
| 5.   | T-11371  | 11.848.201.1525-UR | Swirl Gas Cap 90A       | G4025  | 1         | 22.  | T-11358  | 11.848.221.416-UR | Nozzle 200A                  | G2016Y | 1         |
| 6.   | T-11370  | 11.848.201.1522-UR | Swirl Gas Cap 130A      | G4022  | 1         | 23.  | T-11359  | 11.848.421.426-UR | Nozzle 280A                  | G2326Y | 1         |
| 7.   | T-11372  | 11.848.201.1530-UR | Swirl Gas Cap 90-200A   | G4030  | 1         | 24.  | T-11360  | 11.848.421.430-UR | Nozzle 360A                  | G2330Y | 1         |
| 8.   | T-11373  | 11.848.401.1550-UR | Swirl Gas Cap 280-400A  | G4350  | 1         | 25.  | T-11361  | 11.848.421.431-UR | Nozzle 400A                  | G2331Y | 1         |
| 9.   | T-11374  | 11.848.401.1555-UR | Swirl Gas Cap 360-400A  | G4355  | 1         | 26.  | T-11223  | 11.848.221.145    | Gas Guide 20/35A             | G101   | 1         |
| 10.  | T-11362  | 11.848.201.1604-UR | Retaining Cap 20-35A    | G3004  | 1         | 27.  | T-11224  | 11.848.221.146    | Gas Guide 60-200A            | G102   | 1         |
| 11.  | T-11363  | 11.848.201.1628-UR | Retaining Cap 60-200A   | G3028  | 1         | 28.  | T-11230  | 11.848.421.145    | Gas Guide 280-400A           | G121   | 1         |
| 12.  | T-11367  | 11.848.401.1649-UR | Retaining Cap 280/400A  | G3249  | 1         | 29.  | T-11225* | 11.848.221.300-AG | Cathode, SilverEX® 20-160A   | G002Y  | 5         |
| 13.  | T-11365  | 11.848.401.1619-UR | Retaining Cap 280-400A  | G3219  | 1         | 30.  | T-11226* | 11.848.221.310-AG | Cathode, SilverEX® 200A      | G003Y  | 5         |
| 14.  | T-11366  | 11.848.401.1629-UR | Retaining Cap 360/400A  | G3229  | 1         | 31.  | T-11232* | 11.848.421.310-AG | Cathode, SilverEX® 280A      | G032Y  | 5         |
| 15.  | T-11364  | 11.848.401.1609-UR | Retaining Cap 360/400A  | G3209  | 1         | 32.  | T-11233* | 11.848.421.330-AG | Cathode, SilverEX® 360A/400A | G034Y  | 5         |
| 16.  | T-11352  | 11.848.221.406-UR  | Nozzle 20A              | G2006Y | 1         | 33.  | T-11222  | 11.848.201.142    | Cooling Tube 20-200A         | G901Y  | 1         |
| 17.  | T-11353  | 11.848.221.407-UR  | Nozzle 35A              | G2007Y | 1         | 34.  | T-11228  | 11.848.401.142    | Cooling Tube 280-400A        | G931Y  | 1         |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 MUST BE USED ONLY AS A SET OF SWIRL GAS CAP, RETAINING CAP AND NOZZLE, THIS COMPLETE SET IS INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS

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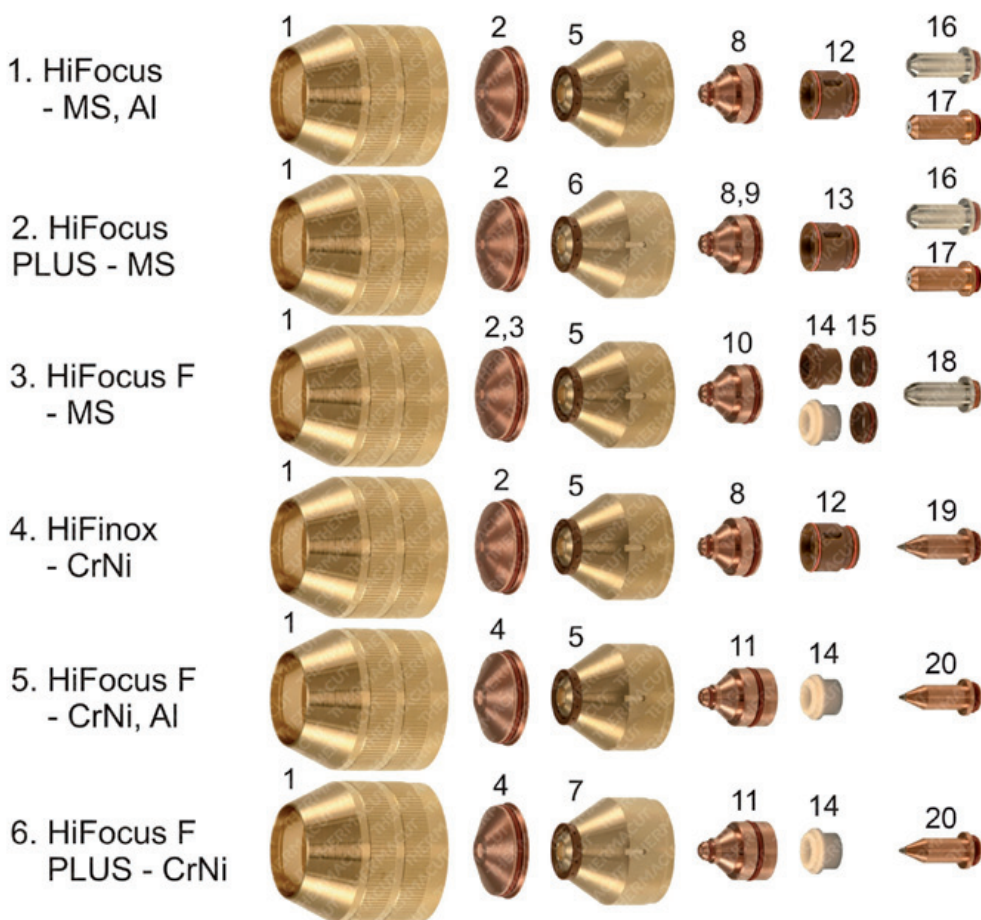
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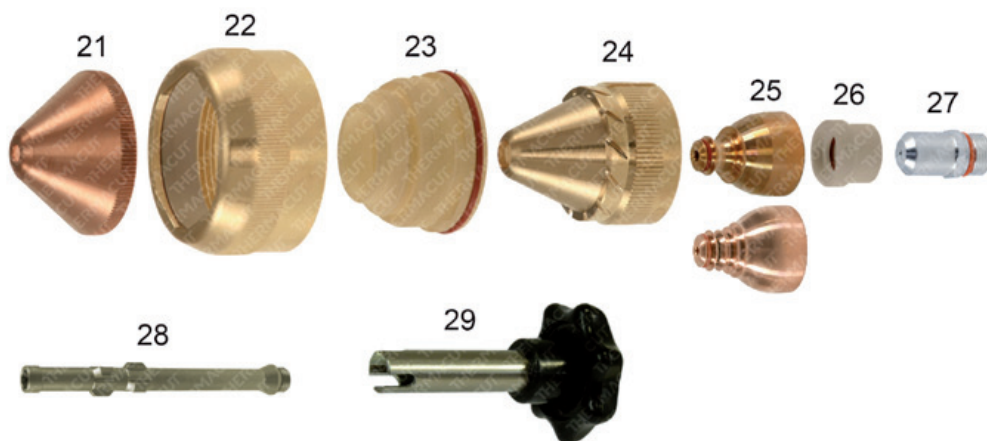
# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus 280® / HiFocus 360®, HiFocus 440®  
PerCut 370.1®, PerCut 370.2®

## PerCut 370.1



## PerCut 370.2



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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus 280® / HiFocus 360®, HiFocus 440®  
PerCut 370.1®, PerCut 370.2®

## PerCut 370.1®

| Item | Part No. | Ref. No.        | Description    |        | Std. Pkg. | Item | Part No.  | Ref. No.           | Description             |        | Std. Pkg. |
|------|----------|-----------------|----------------|--------|-----------|------|-----------|--------------------|-------------------------|--------|-----------|
| 1.   | T-8630   | 11.835.201.081  | Protection Cap | Z501   | 1         |      | T-10005   | 11.843.021.412     | Nozzle                  | S2012X | 1         |
| 2.   | T-8631   | 11.835.201.1561 | Swirlgas Cap   | Z4015  | 1         |      | T-10006   | 11.843.021.414     | Nozzle                  | S2014X | 1         |
|      | T-8632   | 11.835.201.1571 | Swirlgas Cap   | Z4020  | 1         |      | T-10007   | 11.843.021.416     | Nozzle                  | S2016X | 1         |
|      | T-8885   | 11.835.201.1551 | Swirlgas Cap   | Z4022  | 1         | 10.  | T-10008   | 11.843.121.412     | Nozzle                  | S2112X | 1         |
|      | T-8633   | 11.835.201.1581 | Swirlgas Cap   | Z4025  | 1         |      | T-10009   | 11.843.121.414     | Nozzle                  | S2114X | 1         |
|      | T-8634   | 11.835.201.1591 | Swirlgas Cap   | Z4030  | 1         |      | T-10010   | 11.843.121.416     | Nozzle                  | S2116X | 1         |
| 3.   | T-8650   | 11.835.401.1571 | Swirlgas Cap   | Z4140  | 1         | 11.  | T-10011   | 11.843.111.614     | Nozzle                  | S2514X | 1         |
| 4.   | T-9928   | 11.835.411.1581 | Swirlgas Cap   | Z4530  | 1         |      | T-9926    | 11.843.111.616     | Nozzle                  | S2516X | 1         |
|      | T-10153  | 11.835.411.1580 | Swirlgas Cap   | Z4535  | 1         |      | T-9927    | 11.843.111.618     | Nozzle                  | S2518X | 1         |
|      | T-9929   | 11.835.411.1591 | Swirlgas Cap   | Z4540  | 1         | 12.  | T-8623    | 11.835.221.153     | Gas Guiding Cap         | Z101   | 1         |
| 5.   | T-8887   | 11.842.401.160  | Nozzle Cap     | S3004  | 1         | 13.  | T-8886    | 11.835.221.154     | Gas Guiding Cap         | Z102   | 1         |
|      | T-8888   | 11.842.401.162  | Nozzle Cap     | S3008  | 1         | 14.  | T-9287    | 11.834.321.153K    | Gas Guiding Cap         | Z111   | 1         |
| 6.   | T-8889   | 11.842.401.1622 | Nozzle Cap     | S3028  | 1         |      | T-8618    | 11.834.321.153     | Gas Guiding Cap         | Z111   | 1         |
|      | T-10208  | 11.842.401.1624 | Nozzle Cap     | S3048  | 1         |      | T-10380*  | 11.834.321.153 OEM | Gas Guiding Cap         | Z111   | 1         |
| 7.   | T-10328  | 11.842.401.1621 | Nozzle Cap     | S3018  | 1         | 15.  | T-8655    | 11.835.421.303     | Distance Ring           | Z111A  | 1         |
| 8.   | T-10000  | 11.843.021.406  | Nozzle         | S2006X | 1         | 16.  | T-4920    | 11.843.021.320-AG  | Cathode, Ag             | S002Y  | 5         |
|      | T-10001  | 11.843.021.407  | Nozzle         | S2007X | 1         | 17.  | T-11204** | 11.843.021.320-PRO | Cathode                 | S002Y  | 5         |
| 9.   | T-10002  | 11.843.021.408  | Nozzle         | S2008X | 1         | 18.  | T-4924    | 11.843.121.310-AG  | Cathode, Ag             | S012X  | 5         |
|      | T-10003  | 11.843.021.409  | Nozzle         | S2009X | 1         | 19.  | T-9924    | 11.842.411.510     | Cathode, HiFinex® (i)   | S042   | 5         |
|      | T-10004  | 11.843.021.410  | Nozzle         | S2010X | 1         | 20.  | T-9925    | 11.842.511.510     | Cathode, FineFocus® (i) | S052   | 5         |
|      | T-9699   | 11.843.021.411  | Nozzle         | S2011X | 1         |      |           |                    |                         |        |           |

## PerCut 370.2®

| Item | Part No. | Ref. No.        | Description                                         |        | Std. Pkg. | Item | Part No.  | Ref. No.            | Description                                         |        | Std. Pkg. |
|------|----------|-----------------|-----------------------------------------------------|--------|-----------|------|-----------|---------------------|-----------------------------------------------------|--------|-----------|
| 21.  | T-10591  | 11.833.101.1550 | Swirl Gas Cap 3,0                                   | V4330  | 1         |      | T-10562   | 11.846.921.427      | Nozzle O <sub>2</sub> 300A, repl.11.836.921.427 (i) | T2127Y | 5         |
|      | T-10220  | 11.833.101.155  | Swirl Gas Cap 3,5                                   | V4335  | 1         |      | T-10563   | 11.846.921.430      | Nozzle O <sub>2</sub> 360A, repl.11.836.921.430 (i) | T2130Y | 5         |
|      | T-10221  | 11.833.101.156  | Swirl Gas Cap 4,0                                   | V4340  | 1         |      | T-10927** | 11.846.921.415-UR   | Nozzle O <sub>2</sub> 120A, repl.11.836.921.415     | T2115Y | 5         |
|      | T-10222  | 11.833.101.157  | Swirl Gas Cap 4,5                                   | V4345  | 1         |      | T-10928** | 11.846.921.420-UR   | Nozzle O <sub>2</sub> 200A, repl.11.836.921.420     | T2120Y | 5         |
|      | T-10223  | 11.833.101.158  | Swirl Gas Cap 5,0                                   | V4350  | 1         |      | T-10929** | 11.846.921.425-UR   | Nozzle O <sub>2</sub> 250A, repl.11.836.921.425     | T2125Y | 5         |
|      | T-10224  | 11.833.101.159  | Swirl Gas Cap 6,0                                   | V4360  | 1         |      | T-10930** | 11.846.921.427-UR   | Nozzle O <sub>2</sub> 300A, repl.11.836.921.427     | T2127Y | 5         |
| NS   | T-10557  | 11.833.111.159  | Swirl Gas Cap 6,0                                   | V4560  | 1         |      | T-10931** | 11.846.921.430-UR   | Nozzle O <sub>2</sub> 360A, repl.11.836.921.430     | T2130Y | 5         |
| 22.  | T-10470  | 11.841.721.081  | Protective Cap PerCut 370.2®                        | T502   | 1         | 26.  | T-10466   | 11.836.921.1542     | Swirl Ring (3x0,4 cw)                               | T104   | 1         |
| 23.  | N-18267  | 11.836.921.271  | Swirl Gas Nozzle PerCut 370.2®                      | T522   | 1         |      | T-10366*  | 11.836.921.153 OEM  | Swirl Ring (6x0,8 cw)                               | T101   | 1         |
| 23a. | N-18371  |                 | O-Ring                                              |        | 1         |      | T-10672   | 11.836.921.153      | Swirl Ring (6x0,8 cw)                               | T101   | 1         |
| 24.  | T-10214  | 11.836.901.163  | Nozzle Cap (12x1,5 30°cw)                           | T3030  | 1         |      | T-10367*  | 11.836.921.1531 OEM | Swirl Ring (6x0,8 ccw)                              | T111   | 1         |
|      | T-10215  | 11.836.901.164  | Nozzle Cap (12x1,5 45°cw)                           | T3045  | 1         |      | T-10464   | 11.836.921.154      | Swirl Ring (3x0,8cw)                                | T102   | 1         |
|      | T-10217  | 11.836.901.1641 | Nozzle Cap (12x1,5 45°ccw)                          | T3145  | 1         |      | T-10465   | 11.836.921.1541     | Swirl Ring (3x0,6 ccw)                              | T112   | 1         |
|      | T-10216  | 11.836.901.165  | Nozzle Cap (12x1,5 60°cw)                           | T3060  | 1         |      | TN-0004   | 11.836.921.153      | Swirl Ring (6x0,8 cw)                               | T101   | 1         |
|      | T-10218  | 11.836.901.1651 | Nozzle Cap (12x1,5 60° ccw)                         | T3160  | 1         | 27.  | T-10804   | 11.844.921.300-AG   | Silver Electrode, use with T902Y                    | T012Y  | 5         |
| 25.  | T-10559  | 11.846.921.415  | Nozzle O <sub>2</sub> 120A, repl.11.836.921.415 (i) | T2115Y | 5         | 28.  | T-10558   | 11.844.901.152      | Cooling Tube, use with T012Y                        | T902Y  | 1         |
|      | T-10560  | 11.846.921.420  | Nozzle O <sub>2</sub> 200A, repl.11.836.921.420 (i) | T2120Y | 5         | 29.  | T-10564   | 12.38180            | Wrench For Cooling Tube                             |        | 1         |
|      | T-10561  | 11.846.921.425  | Nozzle O <sub>2</sub> 250A, repl.11.836.921.425 (i) | T2125Y | 5         |      |           |                     |                                                     |        |           |

(i) This part may not be distributed on the German market. Thermacut accepts no responsibility in case of indirect sales to Germany.

\*\* A UNIQUE DESIGN WHICH ENHANCES PERFORMANCE AND DIFFERS FROM OEM DESIGNS

CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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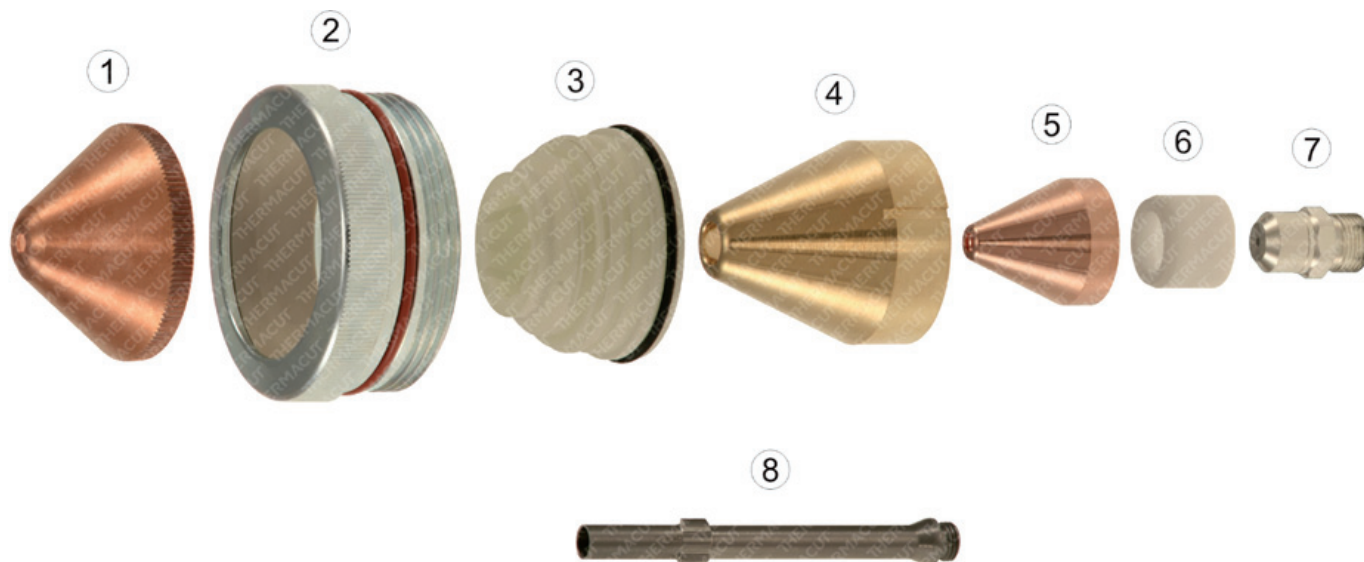
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

FineFocus 800® / FineFocus 900®  
PA-S75®/PB-S75®/PB-S76®/PB-S77®



| Item | Part No. | Ref. No.           | Description                    |       | Std. Pkg. | Item | Part No. | Ref. No.          | Description                                  |       | Std. Pkg. |
|------|----------|--------------------|--------------------------------|-------|-----------|------|----------|-------------------|----------------------------------------------|-------|-----------|
| 1.   | T-10591  | 11.833.101.1550    | Swirl Gas Cap 3,0              | V4330 | 1         | 5.   | T-10229  | 11.828.901.414    | Nozzle Air/O <sub>2</sub> 120A               | L3XL  | 1         |
|      | T-10220  | 11.833.101.155     | Swirl Gas Cap 3,5              | V4335 | 1         |      | T-8927   | 11.828.901.420    | Nozzle Air/O <sub>2</sub> 160A               | L1 XL | 1         |
|      | T-10221  | 11.833.101.156     | Swirl Gas Cap 4,0              | V4340 | 1         |      | T-11301  | 11.828.901.425    | Nozzle Air/O <sub>2</sub> 250                | L2 XL | 1         |
|      | T-10222  | 11.833.101.157     | Swirl Gas Cap 4,5              | V4345 | 1         |      | T-10247  | 11.828.901.427    | Nozzle Air/O <sub>2</sub> 300A               | L4XL  | 1         |
|      | T-10223  | 11.833.101.158     | Swirl Gas Cap 5,0              | V4350 | 1         |      | T-10588  | 12.40850          | Nozzle 250A PB-S75® WH                       | L2    | 1         |
|      | T-10224  | 11.833.101.159     | Swirl Gas Cap 6,0              | V4360 | 1         |      | T-11569* | 12.43050 OEM      | Nozzle 160A PB-S75® WH                       | L1    | 1         |
| 2.   | T-10357* | 11.833.101.261 OEM | Protective Cap PB-S76®/PB-S77® | V501  | 1         | 6.   | T-10369  | 12.40860          | Gas Guide Air/O <sub>2</sub> PB-S75®         |       | 1         |
| NS   | T-10361* | 11.828.401.265 OEM | Protective Cap PB-S76®/PB-S77® |       | 1         | 7.   | T-4932   | 11.828.921.300-AG | Cathode O <sub>2</sub> /Air PB-S76®, PB-S75® | K2-XL | 5         |
| 3.   | N-18266  | 11.836.901.271     | Insulator                      | T521  | 1         |      | T-10225  | 12.40870          | Cathode Air/O <sub>2</sub> PB-S75® WH        | K2    | 5         |
| 3a.  | N-18371  |                    | O-Ring                         |       | 1         |      | T-4933   | 11.833.121.300-AG | Cathode O <sub>2</sub> /Air PB-S77®          | K3-XL | 5         |
| NS   | T-10364* | 11.828.401.275 OEM | PTFE Cover PB-S76®/PB-S77®     |       | 1         | 8.   | T-10371* | 12.51440 OEM      | Cooling Tube PB-S75®                         |       | 1         |
| 4.   | T-10219  | 12.37790           | Nozzle Cap PB-S75®             |       | 1         | NS   | T-10564  | 12.38180          | Wrench For Cooling Tube                      |       | 1         |

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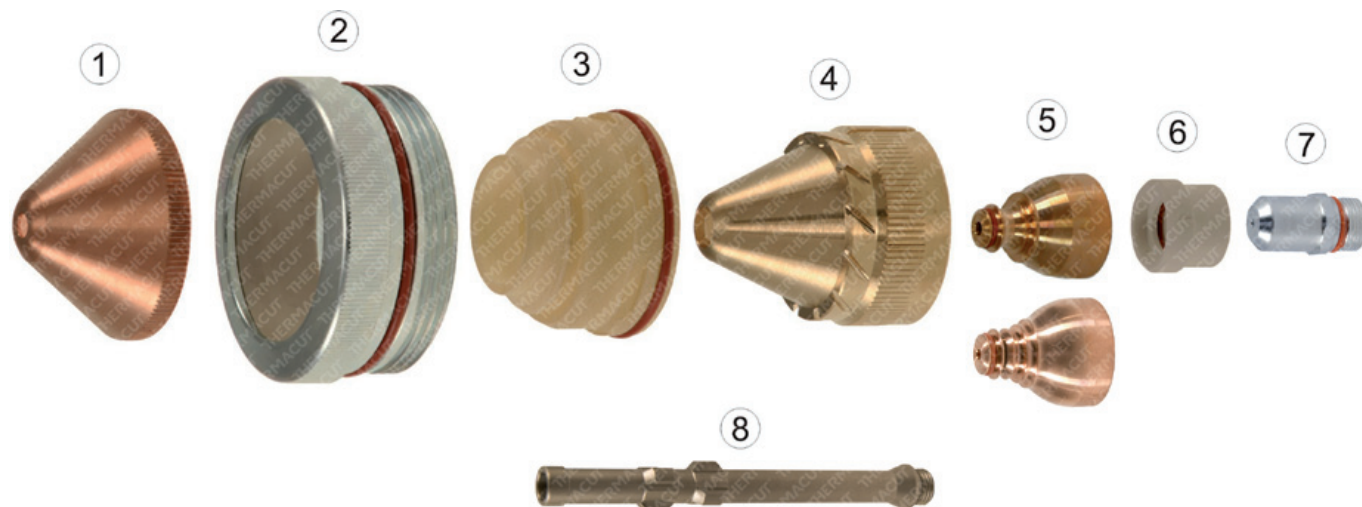
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

FineFocus 800® / FineFocus 900®  
PB-S80®



| Item | Part No. | Ref. No.           | Description                                         |        | Std. Pkg. | Item | Part No.  | Ref. No.            | Description                                         |        | Std. Pkg. |
|------|----------|--------------------|-----------------------------------------------------|--------|-----------|------|-----------|---------------------|-----------------------------------------------------|--------|-----------|
| 1.   | T-10591  | 11.833.101.1550    | Swirl Gas Cap 3,0                                   | V4330  | 1         | 5.   | T-10561   | 11.846.921.425      | Nozzle O <sub>2</sub> 250A, repl.11.836.921.425 (i) | T2125Y | 5         |
|      | T-10220  | 11.833.101.155     | Swirl Gas Cap 3,5                                   | V4335  | 1         |      | T-10562   | 11.846.921.427      | Nozzle O <sub>2</sub> 300A, repl.11.836.921.427 (i) | T2127Y | 5         |
|      | T-10221  | 11.833.101.156     | Swirl Gas Cap 4,0                                   | V4340  | 1         |      | T-10563   | 11.846.921.430      | Nozzle O <sub>2</sub> 360A, repl.11.836.921.430 (i) | T2130Y | 5         |
|      | T-10222  | 11.833.101.157     | Swirl Gas Cap 4,5                                   | V4345  | 1         |      | T-10927** | 11.846.921.415-UR   | Nozzle O <sub>2</sub> 120A, repl.11.836.921.415     | T2115Y | 5         |
|      | T-10223  | 11.833.101.158     | Swirl Gas Cap 5,0                                   | V4350  | 1         |      | T-10928** | 11.846.921.420-UR   | Nozzle O <sub>2</sub> 200A, repl.11.836.921.420     | T2120Y | 5         |
|      | T-10224  | 11.833.101.159     | Swirl Gas Cap 6,0                                   | V4360  | 1         |      | T-10929** | 11.846.921.425-UR   | Nozzle O <sub>2</sub> 250A, repl.11.836.921.425     | T2125Y | 5         |
| 2.   | T-10997* | 11.833.121.271 OEM | Protective Cap                                      | V522   | 1         |      | T-10930** | 11.846.921.427-UR   | Nozzle O <sub>2</sub> 300A, repl.11.836.921.427     | T2127Y | 5         |
|      | T-10998* | 11.833.121.261 OEM | Protective Cap                                      |        | 1         |      | T-10931** | 11.846.921.430-UR   | Nozzle O <sub>2</sub> 360A, repl.11.836.921.430     | T2130Y | 5         |
|      | T-10357* | 11.833.101.261 OEM | Protective Cap                                      | V501   | 1         | 6.   | T-10466   | 11.836.921.1542     | Swirl Ring (3x0,4 cw)                               | T104   | 1         |
| 3.   | N-18267  | 11.836.921.271     | Insulator                                           |        | 1         |      | T-10366*  | 11.836.921.153 OEM  | Swirl Ring (6x0,8 cw)                               | T101   | 1         |
|      | N-18266  | 11.836.901.271     | Insulator                                           | T521   | 1         |      | T-10672   | 11.836.921.153      | Swirl Ring (6x0,8 cw)                               | T101   | 1         |
| 3a.  | N-18371  |                    | O-Ring                                              |        | 1         |      | T-10367*  | 11.836.921.1531 OEM | Swirl Ring (6x0,8 ccw)                              | T111   | 1         |
| 4.   | T-10214  | 11.836.901.163     | Nozzle Cap (12x1,5 30°cw)                           | T3030  | 1         |      | T-10464   | 11.836.921.154      | Swirl Ring (3x0,8cw)                                | T102   | 1         |
|      | T-10215  | 11.836.901.164     | Nozzle Cap (12x1,5 45°cw)                           | T3045  | 1         |      | T-10465   | 11.836.921.1541     | Swirl Ring (3x0,6 ccw)                              | T112   | 1         |
|      | T-10217  | 11.836.901.1641    | Nozzle Cap (12x1,5 45°ccw)                          | T3145  | 1         |      | TN-0004   | 11.836.921.153      | Swirl Ring (6x0,8 cw), ceramic                      | T101   | 1         |
|      | T-10216  | 11.836.901.165     | Nozzle Cap (12x1,5 60°cw)                           | T3060  | 1         | 7.   | T-10804   | 11.844.921.300-AG   | Silver Electrode, use with T902Y                    | T012Y  | 5         |
|      | T-10218  | 11.836.901.1651    | Nozzle Cap (12x1,5 60° ccw)                         | T3160  | 1         | 8.   | T-10467   | 11.828.911.230      | Cooling tube PB-S77®; PB-S80®                       | V951   | 1         |
| 5.   | T-10559  | 11.846.921.415     | Nozzle O <sub>2</sub> 120A, repl.11.836.921.415 (i) | T2115Y | 5         |      | T-10558   | 11.844.901.152      | Cooling Tube, use with T012Y                        | T902Y  | 1         |
|      | T-10560  | 11.846.921.420     | Nozzle O <sub>2</sub> 200A, repl.11.836.921.420 (i) | T2120Y | 5         | NS   | T-10564   | 12.38180            | Wrench For Cooling Tube                             |        | 1         |

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CCW Counter Clock Wise gas swirling, use of CCW parts will make cut angle on the opposite side, than with standard Counter Wise (CW) swirling parts.

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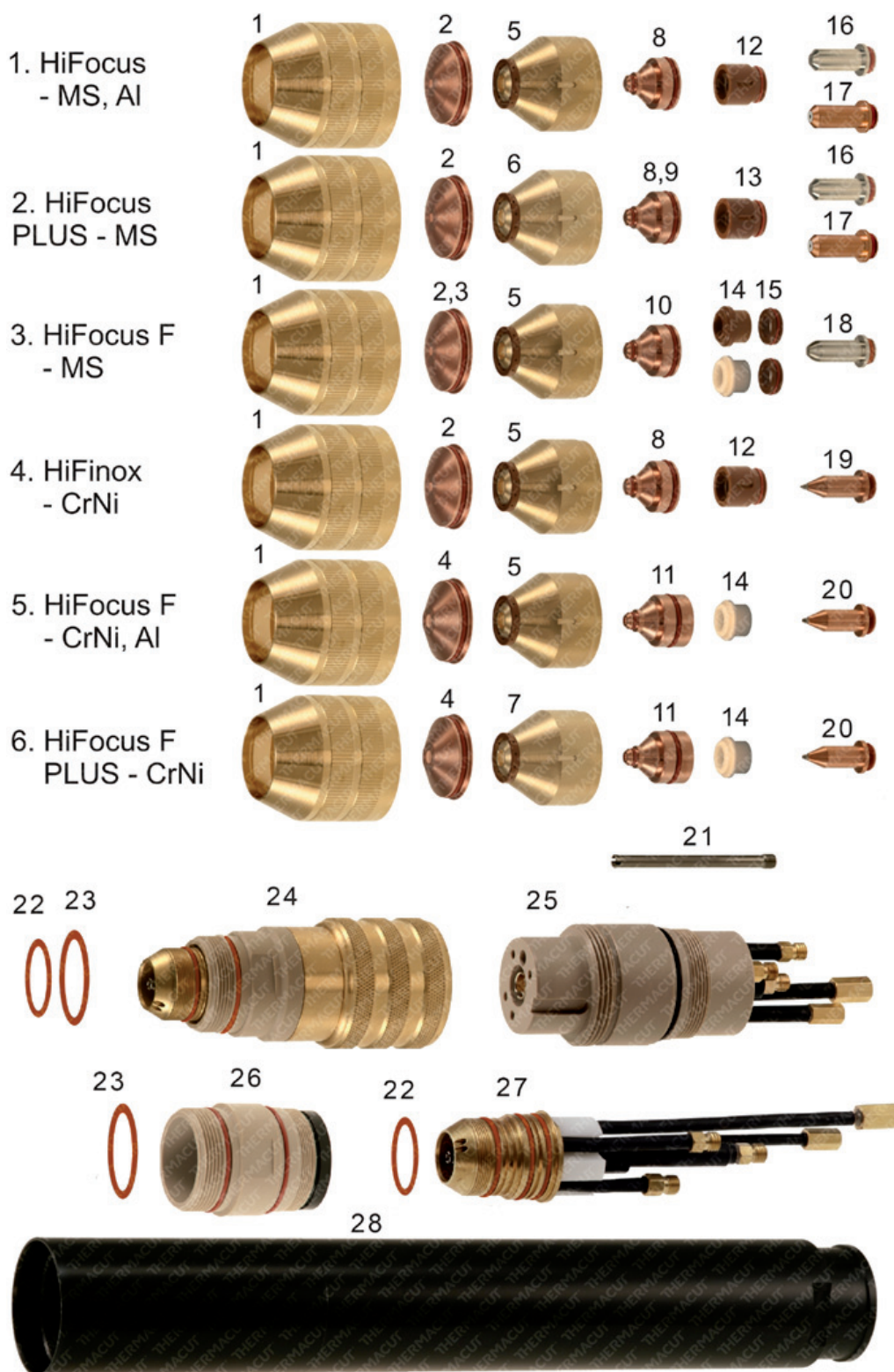
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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus160i®

PerCut 160®/PerCut 170®



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# REPLACEMENT PARTS SUITABLE FOR KJELLBERG®

HiFocus160i®

PerCut 160®/PerCut 170®

| Item | Part No. | Ref. No.        | Description    |        | Std. Pkg. | Item | Part No.  | Ref. No.           | Description             |        | Std. Pkg. |
|------|----------|-----------------|----------------|--------|-----------|------|-----------|--------------------|-------------------------|--------|-----------|
| 1.   | T-8630   | 11.835.201.081  | Protection Cap | Z501   | 1         |      | T-10010   | 11.843.121.416     | Nozzle                  | S2116X | 1         |
| 2.   | T-8631   | 11.835.201.1561 | Swirlgas Cap   | Z4015  | 1         | 11.  | T-10011   | 11.843.111.614     | Nozzle                  | S2514X | 1         |
|      | T-8632   | 11.835.201.1571 | Swirlgas Cap   | Z4020  | 1         |      | T-9926    | 11.843.111.616     | Nozzle                  | S2516X | 1         |
|      | T-8885   | 11.835.201.1551 | Swirlgas Cap   | Z4022  | 1         |      | T-9927    | 11.843.111.618     | Nozzle                  | S2518X | 1         |
|      | T-8633   | 11.835.201.1581 | Swirlgas Cap   | Z4025  | 1         | 12.  | T-8623    | 11.835.221.153     | Gas Guiding Cap         | Z101   | 1         |
|      | T-8634   | 11.835.201.1591 | Swirlgas Cap   | Z4030  | 1         | 13.  | T-8886    | 11.835.221.154     | Gas Guiding Cap         | Z102   | 1         |
| 3.   | T-8650   | 11.835.401.1571 | Swirlgas Cap   | Z4140  | 1         | 14.  | T-9287    | 11.834.321.153K    | Gas Guiding Cap         | Z111   | 1         |
| 4.   | T-9928   | 11.835.411.1581 | Swirlgas Cap   | Z4530  | 1         |      | T-8618    | 11.834.321.153     | Gas Guiding Cap         | Z111   | 1         |
|      | T-10153  | 11.835.411.1580 | Swirlgas Cap   | Z4535  | 1         |      | T-10380*  | 11.834.321.153 OEM | Gas Guiding Cap         | Z111   | 1         |
|      | T-9929   | 11.835.411.1591 | Swirlgas Cap   | Z4540  | 1         | 15.  | T-8655    | 11.835.421.303     | Distance Ring           | Z111A  | 1         |
| 5.   | T-8887   | 11.842.401.160  | Nozzle Cap     | S3004  | 1         | 16.  | T-4920    | 11.843.021.320-AG  | Cathode, Ag             | S002Y  | 5         |
|      | T-8888   | 11.842.401.162  | Nozzle Cap     | S3008  | 1         | 17.  | T-11204** | 11.843.021.320-PRO | Cathode                 | S002Y  | 5         |
| 6.   | T-8889   | 11.842.401.1622 | Nozzle Cap     | S3028  | 1         | 18.  | T-4924    | 11.843.121.310-AG  | Cathode, Ag             | S012X  | 5         |
|      | T-10208  | 11.842.401.1624 | Nozzle Cap     | S3048  | 1         | 19.  | T-9924    | 11.842.411.510     | Cathode, HiFiniox® (i)  | S042   | 5         |
| 7.   | T-10328  | 11.842.401.1621 | Nozzle Cap     | S3018  | 1         | 20.  | T-9925    | 11.842.511.510     | Cathode, FineFocus® (i) | S052   | 5         |
| 8.   | T-10000  | 11.843.021.406  | Nozzle         | S2006X | 1         | 21.  | T-10207   | 11.842.401.152     | Cooling Tube            |        | 1         |
|      | T-10001  | 11.843.021.407  | Nozzle         | S2007X | 1         | 22.  | N-12300   | 10.505.916         | O-Ring                  |        | 1         |
| 9.   | T-10002  | 11.843.021.408  | Nozzle         | S2008X | 1         | 23.  | N-12301   | 10.505.946         | O-Ring                  |        | 1         |
|      | T-10003  | 11.843.021.409  | Nozzle         | S2009X | 1         | 24.  | T-10174   | 11.843.021.100-UR  | PerCut 170® Front Part  |        | 1         |
|      | T-10004  | 11.843.021.410  | Nozzle         | S2010X | 1         | 25.  | T-10175   | 11.822.583-UR      | PerCut 170® Body        |        | 1         |
|      | T-9699   | 11.843.021.411  | Nozzle         | S2011X | 1         | 26.  | T-10282   | 11.842.221.100-10  | Tube PerCut 160®        |        | 1         |
|      | T-10005  | 11.843.021.412  | Nozzle         | S2012X | 1         | 27.  | T-9933    | 11.842.221.100     | Torch PerCut 160®       |        | 1         |
|      | T-10006  | 11.843.021.414  | Nozzle         | S2014X | 1         | 28.  | T-9857    | 11.842.421.250     | Tube PerCut 160®        |        | 1         |
|      | T-10007  | 11.843.021.416  | Nozzle         | S2016X | 1         | NS   | T-10176   | 11.843.021.250     | Tube PerCut 170®        |        | 1         |
| 10.  | T-10008  | 11.843.121.412  | Nozzle         | S2112X | 1         | NS   | T-9755    | 11.835.201.077     | Clamping Bush           |        | 1         |
|      | T-10009  | 11.843.121.414  | Nozzle         | S2114X | 1         | NS   | T-9756    | 11.835.201.076     | Outer Bush              |        | 1         |

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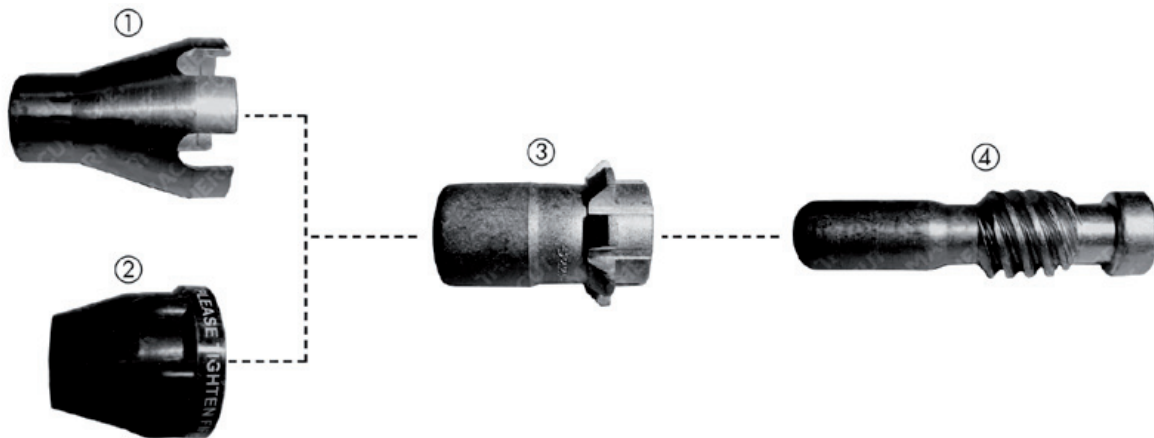
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# REPLACEMENT PARTS SUITABLE FOR LINCOLN ELECTRIC®

PROCUT® 25/55/80  
PCT20/80



| Item | Part No. | Ref. No.    | Description | System     | Std. Pkg | Item | Part No. | Ref. No.    | Description           | System     | Std. Pkg. |
|------|----------|-------------|-------------|------------|----------|------|----------|-------------|-----------------------|------------|-----------|
| 1.   | T-2960   | KP2065-1*   | Drag Cup    | 25, 55, 80 | 1        |      | T-3544   | KP2062-3B1* | Nozzle .053           | 80         | 5         |
| 2.   | T-11538  | KP2064-1*   | Shield Cup  | 25, 55, 80 | 1        |      | T-2980   | KP2062-4B1* | Nozzle, Gouging, .068 | 55, 80     | 5         |
| 3.   | T-3536   | KP2062-1B1* | Nozzle .028 | 25         | 5        |      | T-4194   | KP2062-5B1* | Nozzle, Gouging .082  | 80         | 5         |
|      | T-11537  | KP2062-2B1* | Nozzle .043 | 55, 80     | 5        | 4.   | T-11536  | KP2063-1B1* | Electrode             | 25, 55, 80 | 5         |

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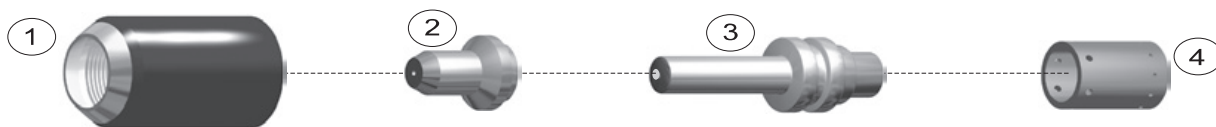
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# REPLACEMENT PARTS SUITABLE FOR MILLER®

## ICE-12C



| Item | Part No. | Ref. No. | Description         | Std. Pkg. | Item | Part No. | Ref. No. | Description                   | Std. Pkg. |
|------|----------|----------|---------------------|-----------|------|----------|----------|-------------------------------|-----------|
| 1.   | T-2952   | 196928*  | Retaining Cup       | 1         | NS   | T-4504   | 196931*  | Lead Set 20' ICE12c           | 1         |
|      | T-3614   | 196929*  | Shield, Drag, 12A   | 1         | NS   | T-3617   | 196923*  | ICE12c Hand Torch W/20' Leads | 1         |
|      | T-2948   | 197567*  | Retaining Cup, Drag | 1         | NS   | T-3615   | 196933*  | O-ring, Swirl Ring            | 10        |
| 2.   | T-2947   | 196926*  | Tip 12A             | 5         | NS   | T-3616   | 196934*  | O-ring, Retaining Cup         | 10        |
| 3.   | T-3620   | 196925*  | Electrode, 12A      | 5         | NS   | T-3611   | 196935*  | O-ring, Torch Main Body       | 10        |
| 4.   | T-3609   | 196927*  | Swirl Ring, 12A     | 1         |      |          |          |                               |           |

## ICE-25C

| Item | Part No. | Ref. No. | Description     | Std. Pkg. | Item | Part No. | Ref. No. | Description        | Std. Pkg. |
|------|----------|----------|-----------------|-----------|------|----------|----------|--------------------|-----------|
| 1.   | T-1605   | 176658   | Shield Cup, 25A | 1         | 4.   | T-1608   | 176657   | Swirl Ring, 25A    | 2         |
| 2.   | T-1606   | 176656   | Tip, 25A        | 10        | NS   | T-3799   | 195007*  | ICE-25C Torch Head | 1         |
| 3.   | T-1607   | 176655   | Electrode, 25A  | 10        |      |          |          |                    |           |

## ICE-27C

| Item | Part No. | Ref. No. | Description     | Std. Pkg. | Item | Part No. | Ref. No. | Description     | Std. Pkg. |
|------|----------|----------|-----------------|-----------|------|----------|----------|-----------------|-----------|
| 1.   | T-2968   | 202808*  | Shield Cup, 27A | 1         | 3.   | T-1607   | 176665   | Electrode, 27A  | 10        |
| 2.   | T-1606   | 176656   | Tip, 27A        | 10        | 4.   | T-2969   | 202809*  | Swirl Ring, 27A | 1         |

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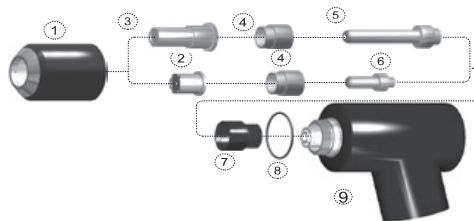
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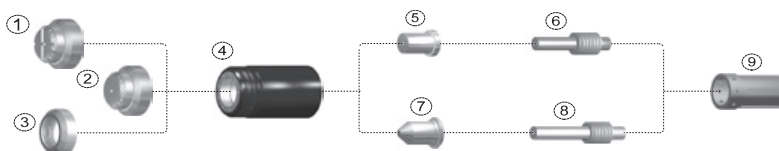
# REPLACEMENT PARTS SUITABLE FOR MILLER®

## ICE-50, SPECTRUM® 700



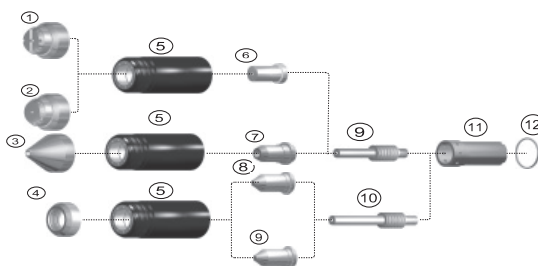
| Item | Part No | Ref. No. | Description         | Std. Pkg | Item | Part No. | Ref. No  | Description         | Std. Pkg. |
|------|---------|----------|---------------------|----------|------|----------|----------|---------------------|-----------|
| 1.   | T-0043  | 169216   | Cup                 | 1        | 6.   | T-1410   | 169212   | Electrode, Standard | 10        |
| 2.   | T-1406  | 174034   | Tip, Standard       | 10       | 7.   | T-0095   | 020114-1 | Torch Insulator     | 1         |
| 3.   | T-1407  | 169214   | Tip Extended        | 5        | 9.   | T-1411   | 171258   | Hand Torch          | 1         |
| 4.   | T-1408  | 169215   | Swirl Ring          | 2        | NS   | T-2858   | 171264   | Lead Assy, 30'      | 1         |
| 5.   | T-1409  | 173895   | Electrode, Extended | 10       |      |          |          |                     |           |

## ICE-50C



| Item | Part No | Ref. No. | Description    | Std. Pkg | Item | Part No. | Ref. No | Description        | Std. Pkg. |
|------|---------|----------|----------------|----------|------|----------|---------|--------------------|-----------|
| 1.   | T-0996  | 192053   | Drag Shield    | 1        | 6.   | T-1703   | 192047* | Electrode          | 5         |
| 2.   | T-1699  | 180341*  | Machine Shield | 1        | 7.   | T-1704   | 177876  | Extended Tip       | 5         |
| 3.   | T-1700  | 177888   | Deflector      | 1        | 8.   | T-0815   | 192048* | Extended Electrode | 5         |
| 4.   | T-1701  | 192050   | Cup, Retaining | 1        | 9.   | T-0029   | 177886  | Swirl Ring         | 1         |
| 5.   | T-1702  | 177890   | Tip, Standard  | 5        |      |          |         |                    |           |

## ICE-40C, 55C, 55CM



| Item | Part No | Ref. No. | Description          | Std. Pkg | Item | Part No. | Ref. No | Description              | Std. Pkg. |
|------|---------|----------|----------------------|----------|------|----------|---------|--------------------------|-----------|
| 1.   | T-2505  | 192053*  | Shield, Drag         | 1        |      |          | 204332  | Tip, Gouging, 55A        | 5         |
|      | T-4538  | 204323*  | Shield, Drag         | 1        | 8.   | T-2511   | 192056  | Tip, Extended            | 5         |
| 2.   | T-2506  | 192058*  | Shield, Machine      | 1        |      |          | 192052* | Tip, Extended, 35A       | 5         |
| 3.   | T-2507  | 192203*  | Shield, Gouging, 55A | 1        | 9.   | T-2512   | 192047* | Electrode, Standard, 55A | 5         |
| 4.   | T-1700  | 177888   | Deflector            | 1        | 10.  | T-2513   | 192048* | Electrode, Extended, 35A | 5         |
| 5.   | T-2508  | 192050*  | Cup, Retaining       | 1        | 11.  | T-2514   | 192049  | Swirl Ring               | 1         |
| 6.   | T-2509  | 192051   | Tip, Standard        | 5        | NS   | T-2515   | 192059* | Hand Torch               | 1         |
|      | T-4537  | 204325*  | Tip                  | 5        | NS   | T-2516   | 192060* | Machine Torch            | 1         |
| 7.   | T-2510  | 192204   | Tip, Gouging         | 5        |      |          |         |                          |           |

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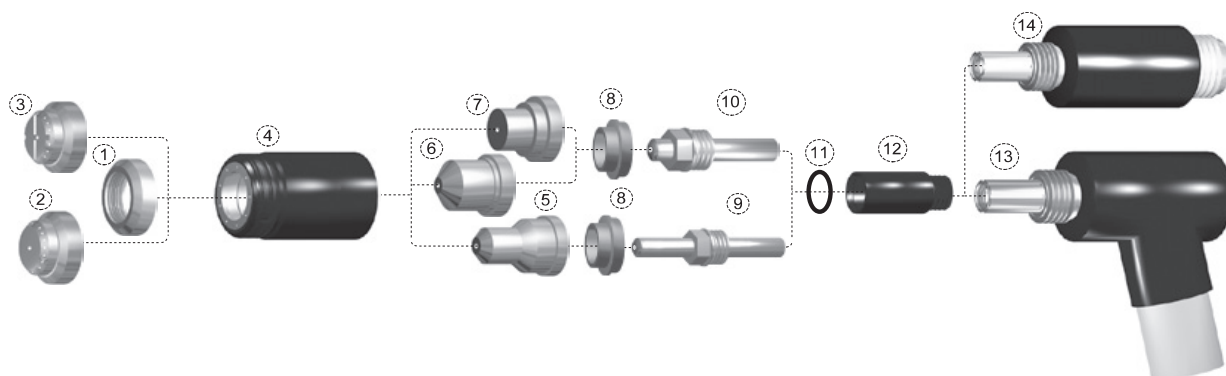
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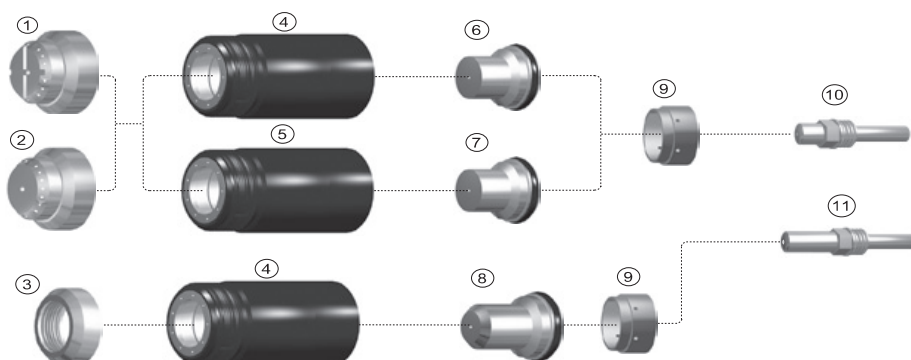
# REPLACEMENT PARTS SUITABLE FOR MILLER®

ICE-70, 70M, ICE-100, 100M  
SPECTRUM® 1000, SPECTRUM® 1250



| Item | Part No. | Ref. No. | Description                | Std. Pkg. | Item | Part No. | Ref. No. | Description                          | Std. Pkg. |
|------|----------|----------|----------------------------|-----------|------|----------|----------|--------------------------------------|-----------|
| 1.   | T-0070   | 169225   | Deflector                  | 1         | 8.   | T-1417   | 169222   | Swirl Ring                           | 2         |
| 2.   | T-0071   | 169230*  | Machine Shield             | 1         | 9.   | T-1418   | 173816   | Electrode, Extended                  | 10        |
| 3.   | T-0072   | 169224*  | Drag Shield                | 1         | 10.  | T-1419   | 169217   | Electrode, Standard                  | 5         |
| 4.   | T-0073   | 169223*  | Cup                        | 1         | 12.  | T-0097   | 020189-1 | Torch Insulator (only for TMT torch) | 1         |
| 5.   | T-1412   | 173814   | Tip, Extended              | 1         | 13.  | T-1420   | 171257   | Torch, ICE-70, ICE-100, w/Handle     | 1         |
|      | T-1874   | 173815   | Tip, Extended, .050        | 5         | 14.  | T-1421   | 171245   | Torch, ICE-70M, ICE-100M             | 1         |
| 6.   | T-1413   | 169220   | Tip, Non-shielded, 80 Amp  | 5         | NS   | T-2857   | 171253   | Leads Assy, 30'                      | 1         |
|      | T-1414   | 169227   | Tip, Non-shielded, 100 Amp | 5         | NS   | T-4113   | 171243   | Leads, 30', ICE70M                   | 1         |
| 7.   | T-1415   | 169219   | Tip, Shielded, 80 Amp      | 5         | NS   | T-2856   | 169203   | Torch w/Leads Assy, 30'              | 1         |
|      | T-1416   | 169226   | Tip, Shielded, 100 Amp     | 5         |      |          |          |                                      |           |

## ICE-80C, 80CM, Spectrum® 3080



| Item | Part No. | Ref. No. | Description           | Std. Pkg. | Item | Part No. | Ref. No. | Description         | Std. Pkg. |
|------|----------|----------|-----------------------|-----------|------|----------|----------|---------------------|-----------|
| 1.   | T-2390   | 177899*  | Drag Shield           | 1         | 9.   | T-2399   | 177897*  | Swirl Ring          | 2         |
| 2.   | T-2391   | 187292*  | Machine Shield        | 1         | 10.  | T-2398   | 177895*  | Electrode, Standard | 5         |
| 3.   | T-2392   | 177900*  | Deflector             | 1         | 11.  | T-2500   | 187288*  | Electrode, Extended | 5         |
| 4.   | T-2393   | 177898*  | Retaining Cup         | 1         | NS   | T-2501   | 177901*  | Tip, Gouging        | 5         |
| 5.   | T-2394   | 187291*  | Retaining Cup, 40 Amp | 1         | NS   | T-2502   | 187293*  | Shield, Gouging     | 1         |
| 6.   | T-2395   | 177896   | Standard Tip          | 5         | NS   | T-2503   | 187298*  | Torch Body, Hand    | 1         |
| 7.   | T-2396   | 187290   | 40 Amp Tip            | 5         | NS   | T-2504   | 187299*  | Torch Body, Machine | 1         |
| 8.   | T-2397   | 187289   | Extended Tip          | 5         |      |          |          |                     |           |

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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH-55

| Item | Part No. | Ref. No. | Description | Std. Pkg. | Item | Part No. | Ref. No. | Description      | Std. Pkg. |
|------|----------|----------|-------------|-----------|------|----------|----------|------------------|-----------|
| NS   | T-1168   | 9-5687   | Shield Cup  | 10        | NS   | T-1171   | 9-5701   | Torch Body       | 1         |
| NS   | T-1170   | 9-5700   | Tip         | 10        | NS   | T-0122   | 8-0533   | O-Ring           | 10        |
| NS   | T-0150   | 9-5633   | Electrode   | 10        | NS   | T-0155   | 8-1322   | Retaining Sheath | 1         |
| NS   | T-0151   | 8-5525   | O-Ring      | 10        |      |          |          |                  |           |

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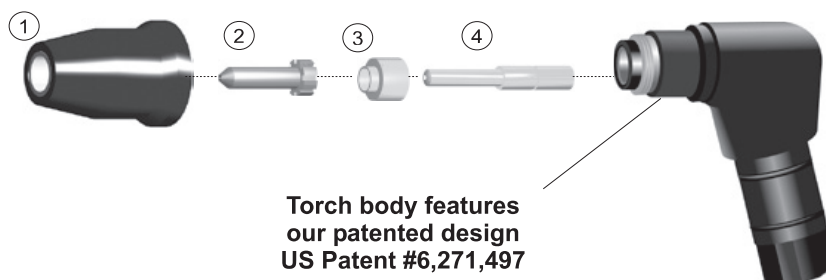
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH-10 TORCH



| Item | Part No. | Ref. No. | Description     | Std. Pkg. | Item | Part No. | Ref. No.   | Description         | Std. Pkg. |
|------|----------|----------|-----------------|-----------|------|----------|------------|---------------------|-----------|
| 1.   | T-0272   | 9-6003   | Shield Cup      | 1         | 4.   | T-0103   | 9-6006     | Electrode           | 10        |
| 2.   | T-2307   | 9-6099   | Tip, 12 Amp     | 1         | 5.   | T-0267** | 9-5807DURA | Hand DURA Torch 70° | 1         |
| 3.   | T-0269   | 9-6007   | Gas Distributor | 5         |      | T-1075   | 9-5808     | Hand Torch 90°      | 1         |

## PCH-25/38 TORCH

| Item | Part No. | Ref. No. | Description                    | Std. Pkg. | Item | Part No. | Ref. No.    | Description                | Std. Pkg. |
|------|----------|----------|--------------------------------|-----------|------|----------|-------------|----------------------------|-----------|
| 1.   | T-0272   | 9-6003   | Shield Cup                     | 1         |      | T-1332   | 9-6507      | Gas Distributor, Long Life | 5         |
| NS   | T-0273   | 9-6004   | Shield Cup, Crown, *9-6003 Req | 1         | 4.   | T-0103   | 9-6006      | Electrode, Air             | 10        |
| 2.   | T-1334   | 9-4476   | Tip, Cutting                   | 10        |      | T-1333   | 9-6506      | Electrode, Air, Long Life  | 10        |
|      | T-1331   | 9-6501   | Tip, Drag, Long Life           | 10        | 5.   | T-0267** | 9-5807 DURA | Hand Torch (70)            | 1         |
| 3.   | T-0269   | 9-6007   | Gas Distributor                | 5         |      | T-1075   | 9-5808      | Hand Torch (90)            | 1         |

## ACCESSORIES



## PCH-25/38 TORCH

| Item | Part No. | Ref. No. | Description                | Std. Pkg. | Item | Part No. | Ref. No. | Description               | Std. Pkg. |
|------|----------|----------|----------------------------|-----------|------|----------|----------|---------------------------|-----------|
| 1.   | T-1079   | 9-5857*  | Split Holder Kit (90)      | 1         | NS   | T-1902   | 2-0251   | Torch 70° W/ Leads, 25'   | 1         |
|      | T-1617   | 9-6259*  | Split Holder (70)          | 1         | NS   | T-2900   | 2-0252   | Torch 90° W/ Leads, 12.5' | 1         |
| 2.   | T-0122   | 8-0533   | O-ring                     | 10        | NS   | T-2901   | 2-0253   | Torch 90° W/ Leads, 25'   | 1         |
| 3.   | T-1040   | 9-5636-1 | Handle W/ Switch           | 1         | NS   | T-0584   | 2-0380   | Torch 70° W/ Leads, 12.5' | 1         |
| 4.   | T-1619   | 4-6067   | Leads 12.5'                | 1         | NS   | T-0583   | 2-0381   | Torch 70° W/ Leads, 25'   | 1         |
|      | T-1620   | 4-6068   | Leads 25'                  | 1         | NS   | T-0586   | 2-0382   | Torch 90° W/ Leads, 12.5' | 1         |
| NS   | T-1081   | 9-6103   | Pip Wire Assy              | 1         | NS   | T-0585   | 2-0383   | Torch 90° W/ Leads, 25'   | 1         |
| NS   | T-1901   | 2-0250   | Torch, 70° W/ Leads, 12.5' | 1         |      |          |          |                           |           |

### VERIFY POWER SUPPLY WHEN ORDERING

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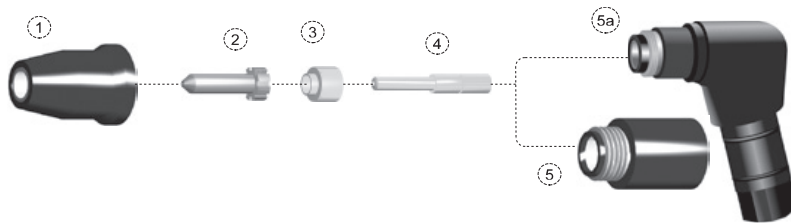
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M28, PCH-26



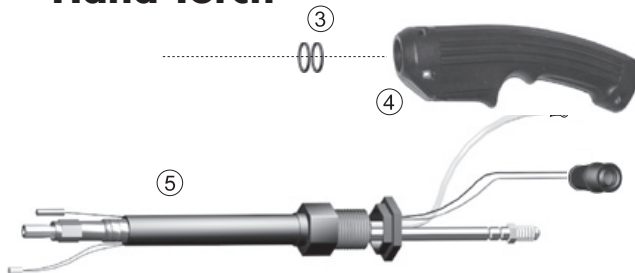
**Torch body features  
our patented design  
US Patent #6,271,497**

| Item | Part No. | Ref. No. | Description                      | Std. Pkg. | Item   | Part No. | Ref. No.   | Description                | Std. Pkg. |
|------|----------|----------|----------------------------------|-----------|--------|----------|------------|----------------------------|-----------|
| 1.   | T-0272   | 9-6003   | Shield Cup                       | 1         | T-1331 | 9-6501   |            | Tip, Drag, LongLife        | 10        |
|      | T-0273   | 9-6004   | Shield Cup, Crown, *9-6003 req'd | 1         | 3.     | T-0269   | 9-6007     | Gas Distributor            | 5         |
|      | T-1328   | 9-6503   | Shield Cup, Long Life            | 1         |        | T-1332   | 9-6507     | Gas Distributor, Long Life | 5         |
| 2.   | T-0270   | 9-6000   | Tip                              | 10        | 4.     | T-0103   | 9-6006     | Electrode                  | 10        |
|      | T-0271   | 9-6001   | Tip, Drag                        | 10        |        | T-1333   | 9-6506     | Electrode, Long Life       | 10        |
|      | T-1074   | 9-6002   | Tip, Gouging                     | 10        | 5.     | T-0268   | 9-5809     | Machine Torch              | 1         |
|      | T-2182   | 9-6502   | Tip, Gouging, Long Life          | 10        | 5a.    | T-0267** | 9-5807DURA | Hand DURA-Torch 70°        | 1         |
|      | T-1329   | 9-6120   | Tip, HD                          | 10        |        | T-1075   | 9-5808     | Hand Torch 90°             | 1         |
|      | T-1330   | 9-6500   | Tip, Stand Off, LongLife         | 10        |        |          |            |                            |           |

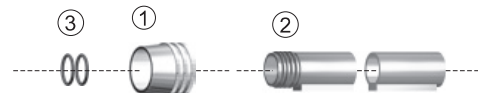
Note: PCH/M-28 uses only "LongLife" consumables.

## ACCESSORIES

### Hand Torch



### Machine Torch



| Item | Part No. | Ref. No. | Description        | Std. Pkg. | Item | Part No. | Ref. No. | Description              | Std. Pkg. |
|------|----------|----------|--------------------|-----------|------|----------|----------|--------------------------|-----------|
| 1.   | T-0157   | 8-4018   | Nut                | 1         | NS   | T-2285   | 2-3501   | Torch 70° w/ Leads 12.5' | 1         |
| 3.   | T-1077   | 7-3207*  | Mounting Tube      | 1         | NS   | T-2286   | 2-3511   | Torch 70° w/ Leads 25'   | 1         |
| 7.   | T-0122   | 8-0533   | O-Ring             | 10        | NS   | T-2287   | 2-3500   | Torch 90° w/ Leads 12.5' | 1         |
| 8.   | T-1040   | 9-5636-1 | Handle w/switch    | 1         | NS   | T-2288   | 2-3510   | Torch 90° w/ Leads 25'   | 1         |
| 9.   | T-2273   | 4-2895   | Leads, Hand, 25'   | 1         | NS   | T-0734   | 2-5001   | Torch 70° w/ Leads 25'   | 1         |
|      | T-2888   | 4-6071   | Torch Leads, 12.5' | 1         | NS   | T-0735   | 2-5002   | Torch 70° w/ Leads 50'   | 1         |
|      | T-0763   | 4-6072   | Torch Leads, 25'   | 1         | NS   | T-2892   | 2-5003   | Torch 90° w/ Leads 25'   | 1         |
| NS   | T-0155   | 8-1322*  | Retaining Sheath   | 1         | NS   | T-4551   | 2-5004   | Torch 90° w/ Leads 50'   | 1         |

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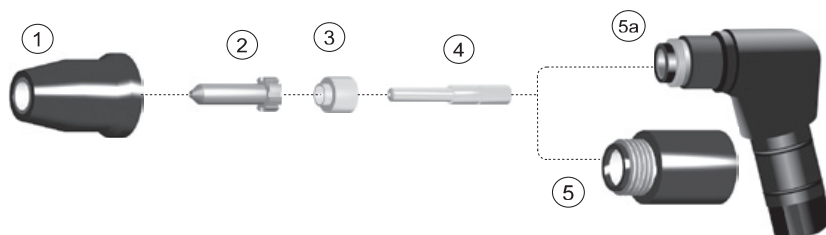
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-35, PCH/M-40



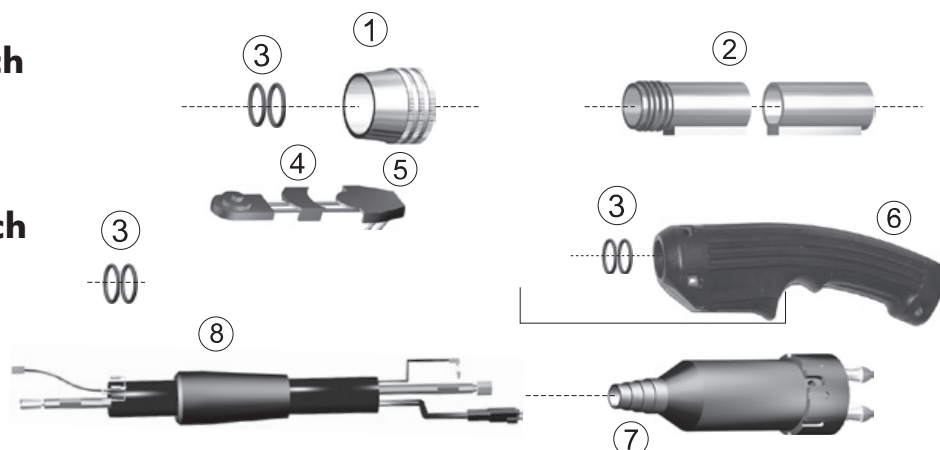
**Torch body features  
our patented design  
US Patent #6,271,497**

| Item | Part No. | Ref. No. | Description                      | Std. Pkg | Item | Part No. | Ref. No.   | Description                | Std. Pkg. |
|------|----------|----------|----------------------------------|----------|------|----------|------------|----------------------------|-----------|
| 1.   | T-0272   | 9-6003   | Shield Cup                       | 1        |      | T1331    | 9-6501     | Tip, Drag, Long Life       | 10        |
|      | T-0273   | 9-6004   | Shield Cup, Crown,*9-6003, Req'd | 1        | 3.   | T-0269   | 9-6007     | Gas Distributor            | 5         |
|      | T-1328   | 9-6503   | Shield Cup, Long Life            | 10       |      | T-1332   | 9-6507     | Gas Distributor, Long Life | 5         |
| 2.   | T-0270   | 9-6000   | Tip                              | 10       | 4.   | T-0103   | 9-6006     | Electrode                  | 10        |
|      | T-1074   | 9-6001   | Tip, Drag                        | 10       |      | T-1333   | 9-6506     | Electrode, Long Life       | 10        |
|      | T-1329   | 9-6002   | Tip, Gouging                     | 10       | 5.   | T-0268   | 9-5809     | Machine Torch              | 1         |
|      | T-1330   | 9-6120   | Tip, HD                          | 10       | 5a.  | T-1075   | 9-5808     | Hand Torch 90°             | 1         |
|      | T-2182   | 9-6502   | Tip Gouging, Long Life           | 10       |      | T-0267** | 9-5807DURA | Hand Dura Torch, 70°       | 1         |
|      | T-1331   | 9-6500   | Tip, Stand Off, Long Life        | 10       |      |          |            |                            |           |

## ACCESSORIES

### Machine Torch

### Hand Torch



| Item | Part No. | Ref. No. | Description      | Std. Pkg | Item | Part No. | Ref. No. | Description                    | Std. Pkg. |
|------|----------|----------|------------------|----------|------|----------|----------|--------------------------------|-----------|
| 1.   | T-0157   | 8-4018   | Nut              | 1        | 8.   | T-1926   | 2-6057   | Torch 90° w/ Leads, 50' & QD   | 1         |
| 2.   | T-1077   | 7-3207   | Mounting Tube    | 1        |      | T-1921   | 2-6052   | Torch 70° w/ Leads, 12.5' & QD | 1         |
| 3.   | T-0122   | 8-0533   | O-Ring           | 1        |      | T-1922   | 2-6053   | Torch 70° w/ Leads, 25' & QD   | 1         |
| 4.   | T-1623   | 8-4302*  | Switch Insert    | 1        |      | T-1923   | 2-6054   | Torch 70° w/ Leads, 50' & QD   | 1         |
| 5.   | T-1624   | 8-4303*  | Switch Closure   | 1        |      | T-1924   | 2-6055   | Torch 90° w/ Leads, 12.5' & QD | 1         |
| 6.   | T-1040   | 9-5636-1 | Handle           | 1        |      | T-1925   | 2-6056   | Torch 90° w/ Leads, 12.5' & QD | 1         |
| 7.   | T-1633   | 9-5836*  | Quick Disconnect | 1        | NS   | T-1081   | 9-6103   | PIP Wire Assy                  | 1         |

\*\* A UNIQUE DESIGN WHICH ENHANCES PERFORMANCE AND DIFFERS FROM OEM DESIGNS

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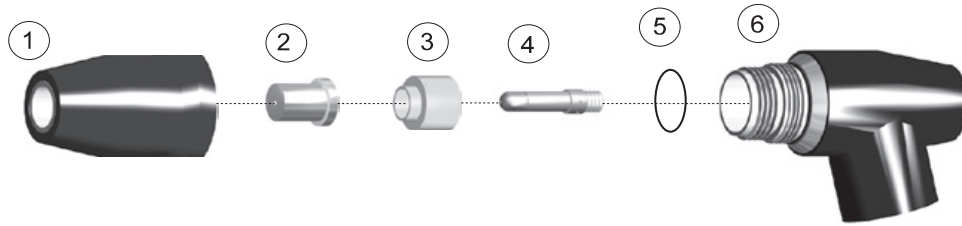
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-75, PCH/M-76



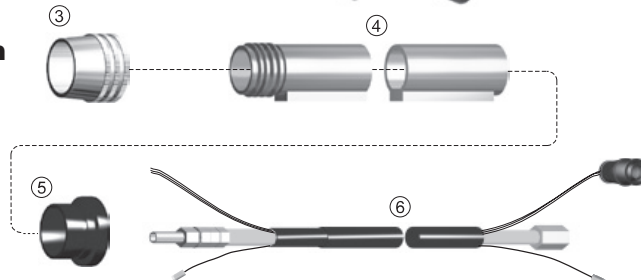
| Item | Part No. | Ref. No. | Description          | Std. Pkg. | Item   | Part No. | Ref. No.    | Description             | Std. Pkg. |
|------|----------|----------|----------------------|-----------|--------|----------|-------------|-------------------------|-----------|
| 1.   | T-1609   | 8-7500   | Shield Cap           | 1         | T-1708 | 8-7506   | Gouging Tip | 5                       |           |
|      | T-1706   | 8-7507   | Crown Shield Cup     | 1         | 3.     | T-1611   | 8-7501      | Gas Distributor         | 5         |
|      | T-3761   | 8-7499   | Crown Shield, Copper | 1         |        | T-1709   | 8-7508      | Gouging Gas Distributor | 1         |
| 2.   | T-1610   | 8-7504   | Tip, 55 Amp          | 5         | 4.     | T-1612   | 8-7502      | Electrode               | 10        |
|      | T-2535   | 9-7726   | Tip, 60 Amp          | 5         | 5.     | T-1615   | 8-0532      | O-Ring                  | 1         |
|      | T-2534   | 9-7728   | Tip, 80 Amp          | 5         | 6.     | T-1613   | 8-7510      | Torch Body 70°          | 1         |
|      | T-2126   | 8-7505   | Tip, 70 Amp          | 5         |        | T-2308   | 8-7512      | Torch Body, Machine     | 1         |
|      | T-1707   | 8-7503   | Drag Tip, 35 Amp     | 5         | NS     | T-2183   | 9-7501*     | Coil Spring             | 1         |

## ACCESSORIES

### Hand Torch



### Machine Torch



| Item | Part No. | Ref. No. | Description                         | Std. Pkg. | Item | Part No. | Ref. No. | Description                     | Std. Pkg. |
|------|----------|----------|-------------------------------------|-----------|------|----------|----------|---------------------------------|-----------|
| 1.   | T-0155   | 8-1322   | Retaining Sheath                    | 1         | NS   | T-1713   | 4-7502   | Machine Leads, NonShielded, 25' | 1         |
| 2.   | T-1040   | 9-5636-1 | Handle w/Switch                     | 1         | NS   | T-1714   | 4-7503   | Machine Leads, NonShielded, 50' | 1         |
| 3.   | T-0157   | 8-4018   | Nut                                 | 1         | NS   | T-2896   | 2-0001   | 100XL Torch 70° w/25' Leads     | 1         |
| 4.   | T-0159   | 8-5005   | Mounting Tube                       | 1         | NS   | T-2897   | 2-0002   | 100XL Torch 70° w/50' Leads     | 1         |
| 5.   | T-0161   | 8-4204   | Bushing                             | 1         | NS   | T-2890   | 2-7501   | 75 Torch, 70° w/25' Leads       | 1         |
| 6.   | T-1711   | 4-7500   | Hand Leads, NonShielded, 25'        | 1         | NS   | T-2891   | 2-7502   | 75 Torch, 70° w/50' Leads       | 1         |
|      | T-1712   | 4-7501   | Hand Leads, NonShielded, 50'        | 1         | NS   | T-2919   | 4-7611   | 25' Leads                       | 1         |
|      | T-0759   | 4-0010   | Hand Leads, 100XL, NonShielded, 25' | 1         | NS   | T-2920   | 4-7612   | 50' Leads                       | 1         |

### VERIFY POWER SUPPLY WHEN ORDERING LEADS

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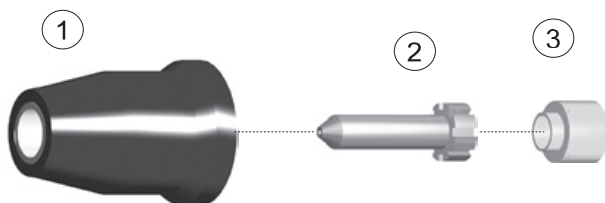
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH-42



| Item | Part No. | Ref. No. | Description                     | Std. Pkg. | Item | Part No. | Ref. No. | Description     | Std. Pkg. |
|------|----------|----------|---------------------------------|-----------|------|----------|----------|-----------------|-----------|
| 1.   | T-0272   | 9-6003   | Shield Cup                      | 1         |      | T-1331   | 9-6501   | Drag Tip        | 10        |
|      | T-0273   | 9-6004   | Shield Cup, Crown *9-6003 Req'd | 1         |      | T-2182   | 9-6502   | Tip, Gouging    | 10        |
|      | T-1328   | 9-6503   | Shield Cup, Long Life           | 1         | 3.   | T-1332   | 9-6507   | Gas Distributor | 5         |
| 2.   | T-1330   | 9-6500   | Standoff Tip                    | 10        |      |          |          |                 |           |

## PCH-62

| Item | Part No. | Ref. No. | Description          | Std. Pkg. | Item | Part No. | Ref. No.  | Description     | Std. Pkg. |
|------|----------|----------|----------------------|-----------|------|----------|-----------|-----------------|-----------|
| 1.   | T-2876   | 9-8400   | Shield Cup           | 1         |      | T-2938   | 9-8416    | Gouging Tip     | 10        |
|      | T-2924   | 9-8415   | Torch Standoff Guide | 1         | 3.   | T-2877   | 9-8401    | Gas Distributor | 1         |
| 2.   | T-2880   | 9-8411   | Tip                  | 10        | 4.   | T-2879*  | 9-8407-UR | Electrode       | 5         |
|      | T-3317   | 9-8412   | Stand Off Tip        | 10        |      | T-2878*  | 9-8402-UR | Electrode       | 5         |

## PCH-102

| Item | Part No. | Ref. No. | Description        | Std. Pkg. | Item | Part No. | Ref. No.  | Description             | Std. Pkg. |
|------|----------|----------|--------------------|-----------|------|----------|-----------|-------------------------|-----------|
| 1.   | T-1609   | 8-7500   | Shield Cap         | 1         |      | T-2534   | 9-7728    | Tip 80 Amp              | 5         |
|      | T-2913   | 8-7496   | Shield Cap, Copper | 1         |      | T-1708   | 8-7506    | Gouging Tip             | 5         |
|      | T-3487   | 8-7525   | Shield Cap         | 1         | 3.   | T-1611   | 8-7501    | Gas Distributor         | 5         |
|      | T-1706   | 8-7507   | Castle Shield Cap  | 1         |      | T-1709   | 8-7508    | Gouging Gas Distributor | 5         |
| 2.   | T-1707   | 8-7503   | Drag Tip           | 5         | 4.   | T-2879*  | 9-8407-UR | Electrode               | 5         |
|      | T-2535   | 9-7726   | Tip 60 Amp         | 5         |      | T-2878*  | 9-8402-UR | Electrode               | 5         |
|      | T-2126   | 8-7505   | Tip 70 Amp         | 5         |      |          |           |                         |           |

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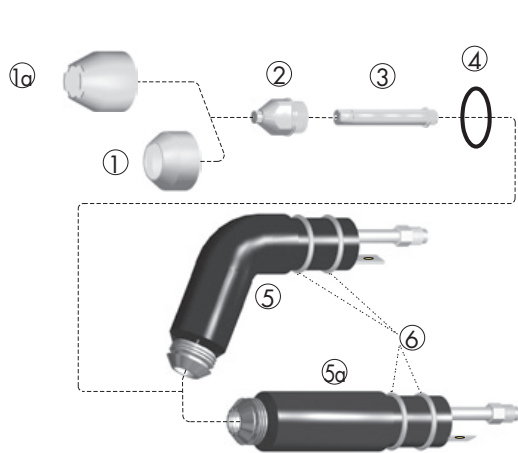
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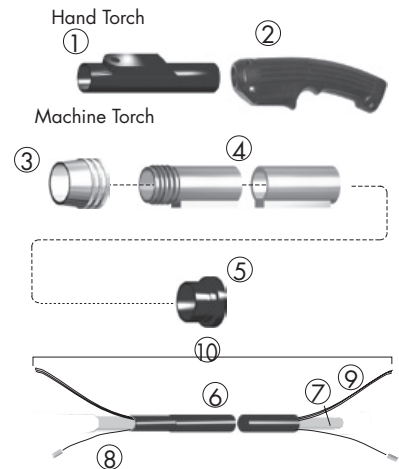
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-51 TORCH



### ACCESSORIES



| Item | Part No. | Ref. No. | Description          | Std. Pkg. | Item | Part No. | Ref. No. | Description           | Std. Pkg. |
|------|----------|----------|----------------------|-----------|------|----------|----------|-----------------------|-----------|
| 1.   | T-0143   | 9-5630   | Shield Cup           | 10        |      | T-0149   | 9-5724   | Tip, .078, Gouging    | 10        |
|      | T-0144   | 8-2152   | Shield Cup, SR       | 2         | 3.   | T-0150   | 9-5633   | Electrode             | 10        |
|      | T-0145   | 8-2151   | Shield Cup, SR, Long | 1         | 4.   | T-0151   | 8-5525   | O-Ring                | 10        |
| 1a.  | T-0146   | 8-5526   | Crown Shield Cup     | 5         | 5.   | T-0152   | 9-5635   | TMT-51, Hand Torch    | 1         |
|      | T-0147   | 8-5526-1 | Crown Shield Cup, SR | 1         | 5a.  | T-0156   | 9-5634   | TMT-51, Machine Torch | 1         |
| 2.   | T-0148   | 9-5631   | Tip, .043            | 10        | 6.   | T-0122   | 8-0533   | O-Ring                | 10        |

### ACCESSORIES

| Item | Part No. | Ref. No. | Description          | Std. Pkg. | Item | Part No. | Ref. No. | Description                 | Std. Pkg. |
|------|----------|----------|----------------------|-----------|------|----------|----------|-----------------------------|-----------|
| 1.   | T-0155   | 8-1322*  | Retaining Sheath     | 1         |      | T-0900   | 9-4277   | Control Cable, 50'          | 1         |
| 2.   | T-1040   | 9-5636-1 | Handle w/Switch      | 1         | 10.  | T-0856   | 4-2871   | Hand Torch Leads, 12.5'     | 1         |
| 3.   | T-0157   | 8-4018   | Nut                  | 1         |      | T-0857   | 4-2874   | Machine Torch Leads, 12.5'  | 1         |
| 4.   | T-0159   | 8-5005   | Mounting Tube        | 1         |      | T-0858   | 4-5030   | Hand Torch Leads, 25'       | 1         |
| 5.   | T-0161   | 8-4204   | Bushing              | 1         |      | T-0859   | 4-5031   | Hand Torch Leads, 50'       | 1         |
| 6.   | T-0872   | 9-5515   | Leads Sleeve, 25'    | 1         |      | T-0860   | 4-5032   | Machine Torch Leads, 25'    | 1         |
|      | T-0862   | 8-6095   | Shielded Sleeve, 25' | 1         |      | T-0861   | 4-5033   | Machine Torch Leads, 50'    | 1         |
|      | T-0863   | 8-6096   | Shielded Sleeve, 50' | 1         | NS   | T-0848   | 2-2860   | Hand Torch w/25' Leads      | 1         |
| 7.   | T-0866   | 9-4273   | Negative Lead, 25'   | 1         | NS   | T-2893   | 2-2985   | Hand Torch 70° w/ 25' leads | 1         |
|      | T-0867   | 9-4274   | Negative Lead, 50'   | 1         | NS   | T-0849   | 2-2861   | Hand Torch w/50' Leads      | 1         |
| 8.   | T-0870   | 9-4279   | Pilot Lead, 25'      | 1         | NS   | T-2894   | 2-2986   | Hand Torch 70° w/ 50' leads | 1         |
|      | T-0871   | 9-4280   | Pilot Lead, 50'      | 1         | NS   | T-0852   | 2-2864   | Machine Torch w/25' Leads   | 1         |
| 9.   | T-0899   | 9-4276   | Control Cable, 25'   | 1         | NS   | T-0853   | 2-2865   | Machine Torch w/50' Leads   | 1         |

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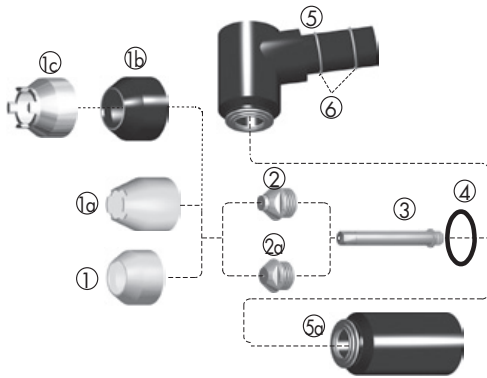
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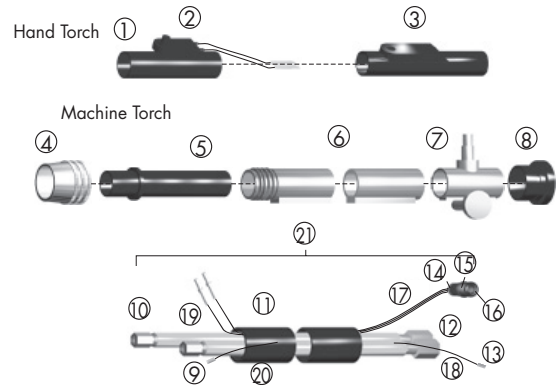
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-52 TORCH



### ACCESSORIES



| Item | Part No. | Ref. No. | Description          | Std. Pkg. | Item | Part No. | Ref. No. | Description                    | Std. Pkg. |
|------|----------|----------|----------------------|-----------|------|----------|----------|--------------------------------|-----------|
| 1.   | T-0166   | 9-5617   | Shield Cup           | 10        | 2a.  | T-0175   | 9-5709   | Gouging Tip, 70 Amp            | 10        |
|      | T-0167   | 9-5712   | Drag Shield Cup, SR  | 1         | 3.   | T-0176   | 9-5619   | Electrode, Air                 | 10        |
| 1a.  | T-0168   | 9-5694   | Crown Shield Cup     | 10        |      | T-1021   | 8-3331   | Electrode, Air                 | 10        |
|      | T-0169   | 9-5694-1 | Crown Shield Cup, SR | 1         |      | T-0177   | 9-5711   | Electrode, Nitrogen (Dual gas) | 10        |
| 1b.  | T-0186   | 9-5781   | Shield Cup, Long, SR | 1         | 4.   | T-0151   | 8-5525   | O-Ring                         | 10        |
| 1c.  | T-0188   | 9-5780   | Shield Cup, Metal    | 1         | 5.   | T-0178   | 9-5642   | TMT-52, Hand Torch             | 1         |
| 2.   | T-0170   | 9-5708   | Tip, .059, 100 Amp   | 10        | 5a.  | T-0179   | 9-5643   | TMT-52, Machine Torch          | 1         |
|      | T-0187   | 9-5782   | Tip, .052, 80 Amp    | 10        | NS   | T-0185   | 8-5130*  | Heat Shield                    | 1         |
|      | T-0171   | 9-5707   | Tip, .047, 70 Amp    | 10        | NS   | T-0189   | 8-4007   | Tip Wrench                     | 1         |
|      | T-0172   | 9-5618   | Tip, .043, 45 Amp    | 10        | NS   | T-0163   | 8-4025   | Lubricant                      | 1         |
|      | T-0173   | 9-5702   | Tip, .031, 35 Amp    | 10        |      |          |          |                                |           |

## ACCESSORIES

| Item | Part No. | Ref. No. | Description              | Std. Pkg. | Item | Part No. | Ref. No. | Description              | Std. Pkg. |
|------|----------|----------|--------------------------|-----------|------|----------|----------|--------------------------|-----------|
| 1.   | T-0180   | 9-5644*  | Handle                   | 1         | 14.  | T-1067   | 9-3295   | Cable Clamp              | 1         |
| 2.   | T-0181   | 9-5522   | Switch                   | 1         | 15.  | T-0894   | 9-3294   | Plug                     | 1         |
| 3.   | T-0182   | 8-4216*  | Retaining Sheath         | 1         | 16.  | T-0865   | 9-3296   | Pin                      | 1         |
| 4.   | T-0157   | 8-4018   | Nut                      | 1         | 17.  | T-0900   | 9-4277   | Control Cable, 50'       | 1         |
| 5.   | T-0183   | 9-1901*  | Adapter                  | 1         | 18.  | T-0870   | 9-4279   | Pilot Lead, 25'          | 1         |
| 6.   | T-0159   | 8-5005   | Mounting Tube            | 1         |      | T-0871   | 9-4280   | Pilot Lead, 50'          | 1         |
| 7.   | T-0160   | 7-2827*  | Pinion Assembly          | 1         |      | T-0907   | 9-5665   | Plasma Lead, 50'         | 1         |
| 8.   | T-0161   | 8-4204   | Bushing                  | 1         |      | T-0904   | 9-5663   | Negative Lead, 50'       | 1         |
| 9.   | T-0914   | 8-4190   | Fitting (-), Torch End   | 1         | 21.  | T-0876   | 4-5034   | Hand Torch Leads, 25'    | 1         |
|      | T-0976   | 8-5085   | Ferrule                  | 1         |      | T-0877   | 4-5035   | Hand Torch Leads, 50'    | 1         |
|      | T-0889   | 8-5013   | Ferrule                  | 1         |      | T-0878   | 4-5036   | Machine Torch Leads, 25' | 1         |
| 11.  | T-0862   | 8-6095   | Shielded Sleeving, 25'   | 1         |      | T-0879   | 4-5037   | Machine Torch Leads, 50' | 1         |
|      | T-0863   | 8-6096   | Shielded Sleeving, 50'   | 1         |      | T-0881   | 4-5044   | Shielded Leads, 50'      | 1         |
|      | T-0896   | 9-3035   | Leads Sleeving, 50'      | 1         | NS   | T-1375   | 2-2937   | TMT-52 70° W/50' Leads   | 1         |
|      | T-0887   | 8-1498   | Leads Sleeving, 25'      | 1         | NS   | T-1376   | 2-2938   | TMT-52 Mach W/25' Leads  | 1         |
| 13.  | T-0924   | 8-7033   | Fitting (-), Console End | 1         | NS   | T-1377   | 2-2939   | TMT-52 Mach W/50' Leads  | 1         |
|      | T-0892   | 8-5518   | Nut, Console End         | 1         |      |          |          |                          |           |

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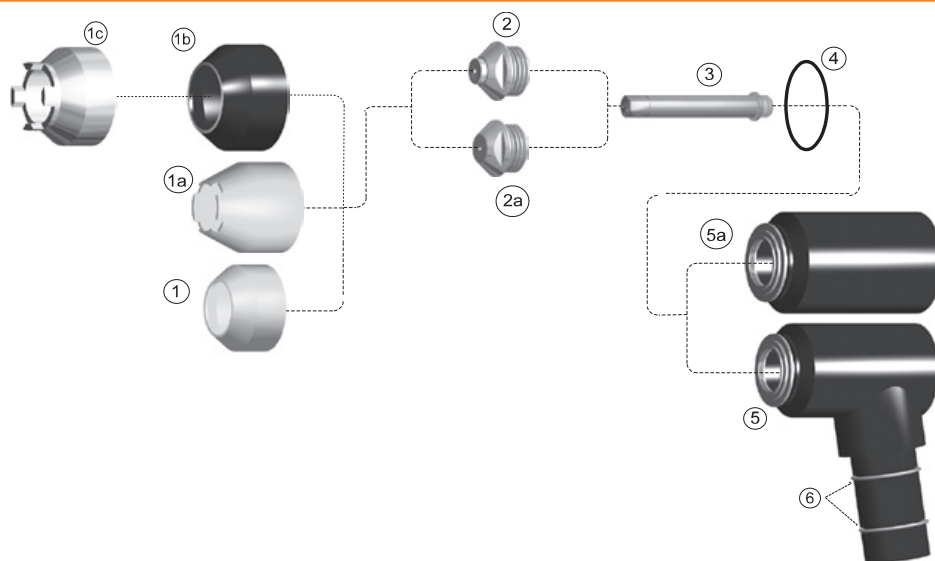
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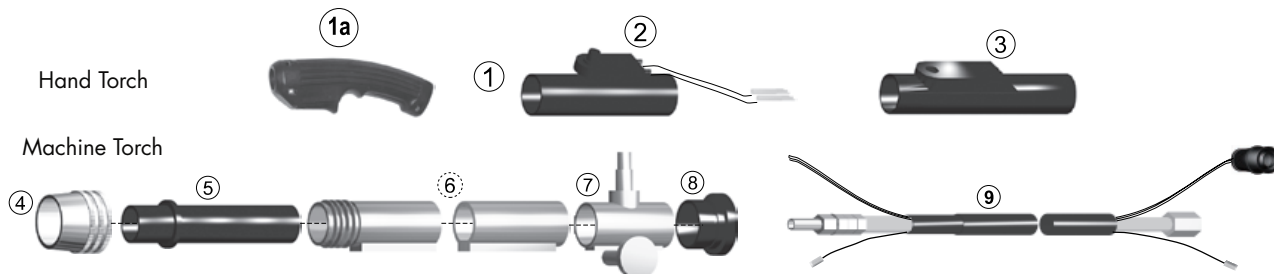
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## PCH/M-53 TORCH



| Item | Part No. | Ref. No. | Description          | Std. Pkg | Item | Part No. | Ref. No. | Description          | Std. Pkg. |
|------|----------|----------|----------------------|----------|------|----------|----------|----------------------|-----------|
| 1.   | T-0166   | 9-5617   | Shield Cup           | 10       | 4.   | T-0151   | 8-5525   | O-Ring               | 10        |
| 1a.  | T-0168   | 9-5694   | Crown Shield Cup     | 10       | 5.   | T-1335   | 9-6170   | Hand Torch w/ Handle | 1         |
|      | T-0169   | 9-5694-1 | Crown Shield Cup, SR | 1        | 5a.  | T-1336   | 9-6180   | Machine Torch        |           |
| 1b.  | T-0186   | 9-5781   | Shield Cup, Long, SR | 1        | NS   | T-0185   | 8-5130*  | Heat Shield          | 1         |
| 1c.  | T-0188   | 9-5780   | Shield Cup, Metal    | 1        | NS   | T-0189   | 8-4007   | Tip Wrench           | 1         |
| 2.   | T-1312   | 9-5897   | Tip, Cutting         | 10       | NS   | T-0190   | 9-5620   | Electrode Wrench     | 10        |
| 2a.  | T-1313   | 8-5129   | Tip, Gouging         | 5        | NS   | T-0163   | 8-4025   | Lubricant            | 1         |
| 3.   | T-0176   | 9-5619   | Electrode, Air       | 10       |      |          |          |                      |           |

## ACCESSORIES



| Item | Part No. | Ref. No. | Description      | Std. Pkg | Item | Part No. | Ref. No. | Description        | Std. Pkg. |
|------|----------|----------|------------------|----------|------|----------|----------|--------------------|-----------|
| 1.   | T-0180*  | 9-5644   | Handle           | 1        | 7.   | T-0160*  | 7-2827   | Pinion Assembly    | 1         |
| 1a.  | T-1040   | 9-5636-1 | Handle w/ Switch | 1        | 8.   | T-0161   | 8-4204   | Bushing            | 1         |
| 2.   | T-0181   | 9-5522   | Switch           | 1        | 9.   | T-1674   | 4-6048   | Hand Leads, 25'    | 1         |
| 3.   | T-0182*  | 8-4216   | Retaining Sheath | 1        |      | T-1675   | 4-6050   | Hand Leads, 50'    | 1         |
| 4.   | T-0157   | 8-4018   | Nut              | 1        |      | T-1676   | 4-6049   | Machine Leads, 25' | 1         |
| 5.   | T-0183*  | 9-1901   | Adapter          | 1        |      | T-1677   | 4-6051   | Machine Leads, 50' | 1         |
| 6.   | T-0159   | 8-5005   | Mounting Tube    | 1        |      |          |          |                    |           |

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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-6B



| Item | Part No. | Ref. No. | Description                      | Std. Pkg. | Item | Part No. | Ref. No.   | Description                              | Std. Pkg. |
|------|----------|----------|----------------------------------|-----------|------|----------|------------|------------------------------------------|-----------|
| 1.   | T-0233   | 8-6515   | End Cap                          | 1         | 8.   | T-0222   | 8-6571     | Liner Assy                               | 10        |
| 2.   | T-0232   | 8-6514   | Insulator, End Piece             | 10        | 9.   | T-0221   | 8-6587     | Gas Distributor, 6B, 4 Holes, Rev. Swirl | 1         |
| 3.   | T-0231   | 8-6581   | Outer Insulator                  | 1         |      | T-0220   | 8-6569     | Gas Distributor, 6B, 4 Holes             | 1         |
| 4.   | T-0230   | 8-6512   | Gasket, Outer Insulator          | 5         | 10.  | T-0219   | 8-6615     | Electrode Holder                         | 1         |
| 5.   | T-0229   | 8-6572   | Tip, .125, 400 A                 | 5         | 11.  | T-0108   | 8-0531     | O-Ring                                   | 1         |
|      | T-0228   | 8-6582   | Tip, .113, 300 A                 | 5         | 12.  | T-0217   | 8-6577     | 6B Machine Torch                         | 1         |
|      | T-0227   | 8-6575   | Tip, .093, 200 A                 | 5         |      | T-1423   | 8-6583     | 6B Hand Torch 70°                        | 1         |
|      | T-0226   | 8-6648   | Tip, .076, 150 A                 | 5         |      | T-0216   | 8-6584     | 6B Hand Torch 90°                        | 1         |
|      | T-0225   | 8-6580   | Tip, .067, 100 A                 | 5         | NA   | T-0159   | 8-5005     | Positioning tube                         | 1         |
| 6.   | T-0224   | 8-6586   | Electrode, N2, Metal Seat, L-Amp | 10        | NS   | T-0236*  | 8-6517 OEM | Liner/Tip Wrench                         | 1         |
| 7.   | T-0223   | 8-6578   | Electrode, N2, Gen. Purpose      | 10        | NS   | T-0161   | 8-4204     | Bushing                                  | 1         |

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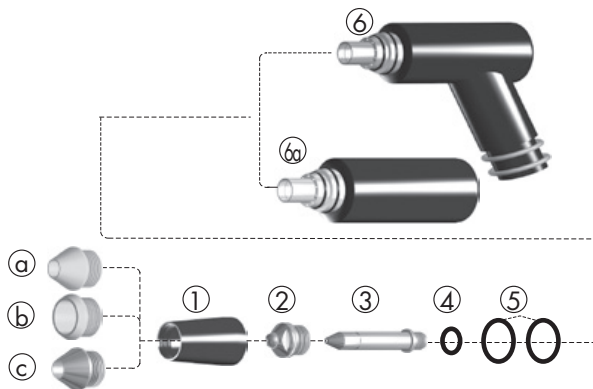
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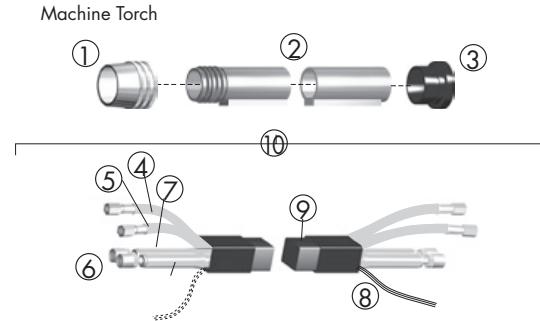
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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PCH/M-150 TORCH



### ACCESSORIES



| Item | Part No. | Ref. No. | Description           | Std. Pkg. | Item | Part No. | Ref. No. | Description             | Std. Pkg. |
|------|----------|----------|-----------------------|-----------|------|----------|----------|-------------------------|-----------|
| 1.   | T-2172   | 9-5758-5 | Plastic Bottom        | 1         |      | T-0247   | 9-5767   | Tip, .067 Nit 150 Amp   | 5         |
| 1a.  | T-0237   | 9-5750   | Shield Cup            | 1         |      | T-0248   | 9-5766   | Tip, .052 Nit 100 Amp   | 5         |
|      | T-1032   | 9-5750-1 | Ceramic Taper Piece   | 1         | 3.   | T-0253   | 9-5749   | Electrode, Air          | 5         |
| 1b.  | T-0238   | 9-5758   | Shield Cup, Tip Exp.  | 1         |      | T-0254   | 9-5754   | Electrode, Nit, AR/H    | 5         |
| 1c.  | T-0239   | 9-5790   | Shield Cup, Metal     | 1         |      | T-0255   | 9-5760   | Electrode, Oxy          | 5         |
|      | T-2176   | 9-5790-1 | Metal Front Piece     | 1         | 4.   | T-0263   | 8-0537   | O-Ring, Small           | 10        |
| 2.   | T-0241   | 9-5746   | Tip, .070 Air 150 Amp | 5         | 5.   | T-0264   | 8-0540   | O-Ring, Large           | 10        |
|      | T-0242   | 9-5747   | Tip, .055 Air 100 Amp | 5         | 6.   | T-0256   | 9-5743   | TMT-150 Hand Torch, 70° | 1         |
|      | T-0243   | 9-5748   | Tip, .043 Air 50 Amp  | 5         |      | T-2171   | 9-5744   | TMT-150 Hand Torch, 90° | 1         |
|      | T-0244   | 9-5751   | Tip, .070 Oxy 150 Amp | 5         | 6a.  | T-0257   | 9-5745   | TMT-150 Machine Torch   | 1         |
|      | T-0245   | 9-5752   | Tip, .052 Oxy 100 Amp | 5         |      |          |          |                         |           |

### ACCESSORIES

| Item | Part No. | Ref. No. | Description              | Std. Pkg. | Item | Part No. | Ref. No. | Description                 | Std. Pkg. |
|------|----------|----------|--------------------------|-----------|------|----------|----------|-----------------------------|-----------|
| 1.   | T-0261   | 8-2158*  | Adapter, 1 3/8" Dia      | 1         |      | T-0960   | 8-1058   | Leads Slewing, 50'          | 1         |
| 2.   | T-1077   | 7-3207   | Mounting Tube            | 1         |      | T-0963   | 8-5139   | Shielded Slewing, 25'       | 1         |
| 3.   | T-0161   | 8-4204   | Bushing                  | 1         | 10.  | T-0954   | 4-2863   | Hand Leads, 25'             | 1         |
| 4.   | T-0965   | 8-5565   | Plasma Lead, 25'         | 1         |      | T-0955   | 4-2864   | Hand Leads, 50'             | 1         |
|      | T-0966   | 8-5566   | Plasma Lead, 50'         | 1         |      | T-0956   | 4-2865   | Machine Leads, 25'          | 1         |
| 5.   | T-0961   | 8-5135   | Secondary Gas Hose, 25'  | 1         |      | T-0957   | 4-2866   | Machine Leads, 50'          | 1         |
|      | T-0962   | 8-5136   | Secondary Gas Hose, 50'  | 1         | NS   | T-0950   | 2-2980   | Machine Torch w/25' Leads   | 1         |
| 6.   | T-0969   | 8-6139   | Negative Lead, 25'       | 1         | NS   | T-0951   | 2-2981   | Machine Torch w/50' Leads   | 1         |
| 7.   | T-0971   | 8-6305   | Coolant Return Hose, 25' | 1         | NS   | T-0952   | 2-2982   | Hand Torch 70° w/25' Leads  | 1         |
|      | T-0972   | 8-6306   | Coolant Return Hose, 50' | 1         | NS   | T-0958   | 2-2978   | Hand Torch 90° w/ 25' Leads | 1         |
| 8.   | T-0967   | 8-5567   | Control Cable, 25'       | 1         | NS   | T-0953   | 2-2983   | Hand Torch 70° w/50' Leads  | 1         |
|      | T-0968   | 8-5568   | Control Cable, 50'       | 1         | NS   | T-0959   | 2-2979   | Hand Torch 90° w/ 50' Leads | 1         |
| 9.   | T-0940   | 8-1000   | Leads Slewing, 25'       | 1         |      |          |          |                             |           |

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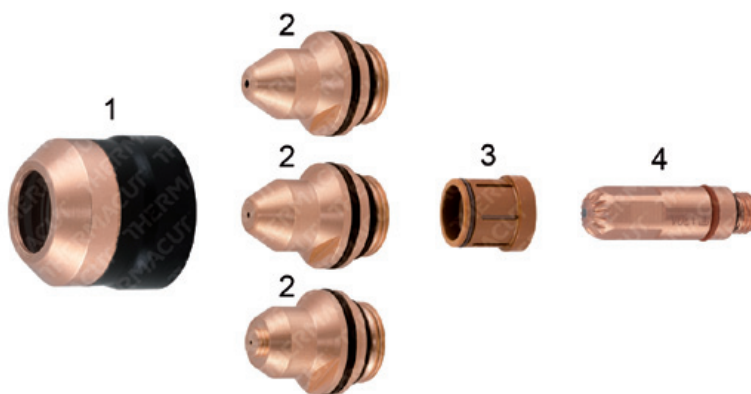
# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

**MERLIN® 6000 & 6000GST**  
**MAXIMIZER® 300**



| Item | Part No.  | Ref. No.    | Description                              | Std. Pkg. | Item | Part No.  | Ref. No.   | Description                                            | Std. Pkg. |
|------|-----------|-------------|------------------------------------------|-----------|------|-----------|------------|--------------------------------------------------------|-----------|
| 1.   | T-2971    | 20-1003     | Shield Cup, 50A                          | 1         |      | T-10440** | 20-1016-UR | Electrode, O <sub>2</sub> , 150A                       | 5         |
|      | T-2289    | 20-1004     | Shield Cup, 100-225A                     | 1         |      | T-10264** | 20-1018-UR | Electrode, Air 50-225A/ O <sub>2</sub> 300A            | 5         |
|      | T-10708*  | 20-1004 OEM | Shield Cup, 100-225A                     | 1         |      | T-10265** | 20-1010-UR | Electrode, Air/O <sub>2</sub> , 100-225A               | 5         |
|      | T-2290    | 20-1005     | Shield Cup, 300A                         | 1         | 6.   | T-4913    | 20-1018-AG | Electrode, Air 50-225A/O <sub>2</sub> 300A, Silver-EX® | 5         |
| 2.   | T-2292    | 20-1002     | Standard Shield Cup Body                 | 1         |      | T-4914    | 20-1021-AG | Electrode, Air, 300A, Silver-EX®                       | 5         |
| 3.   | T-8981    | 20-1030     | Tip, 50A (0.043")                        | 5         | 7.   | T-2300    | 20-1023    | Electrode, N <sub>2</sub> , 50-300A                    | 5         |
|      | T-2303    | 20-1031     | Tip, 100A (0.055")                       | 1         | 8.   | T-2301    | 20-0008    | Gas Distributor, 50-225A                               | 1         |
|      | T-2304    | 20-1032     | Tip, 150A (0.073")                       | 5         |      | T-2302    | 20-1009    | Gas Distributor, 300A                                  | 1         |
|      | T-2305    | 20-1033     | Tip, 225A (0.083")                       | 5         | 9.   | T-1693    | 9-6410     | Torch Body                                             | 1         |
|      | T-2306    | 20-1034     | Tip, 300A (0.109")                       | 5         | NS   | T-0261    | 8-2158     | Adaptor                                                | 1         |
| 4.   | T-10702   | 20-1017     | Electrode, O <sub>2</sub> , 225A         | 5         | NS   | T-1077    | 7-3207     | Mounting Tube                                          | 1         |
|      | T-10707*  | 20-1018 OEM | Electrode, Air, O <sub>2</sub> , 50-225A | 5         | NS   | T-0160*   | 7-2827 OEM | Pinion Assembly                                        | 1         |
| 5.   | T-10441   | 20-1021-UR  | Electrode, Air, 300A                     | 5         | NS   | T-0161    | 8-4204     | Bushing                                                | 1         |
|      | T-10293** | 20-1015-UR  | Electrode O <sub>2</sub> , 50-100A       | 5         |      |           |            |                                                        |           |

## PCH/M-120



| Item | Part No. | Ref. No. | Description        | Std. Pkg. | Item | Part No. | Ref. No.   | Description       | Std. Pkg. |
|------|----------|----------|--------------------|-----------|------|----------|------------|-------------------|-----------|
| 1.   | T-0571   | 20-1225  | Short Shield Cup   | 1         |      | T-0582   | 20-1220    | Tip, .031, 35 Amp | 5         |
| 2.   | T-0577   | 20-1222  | Tip, .063, 120 Amp | 5         | 3.   | T-0569   | 20-1215    | Gas Distributor   | 1         |
|      | T-0570   | 20-1221  | Tip, .047, 70 Amp  | 5         | 4.   | T-10263  | 20-1210-UR | Electrode         | 1         |

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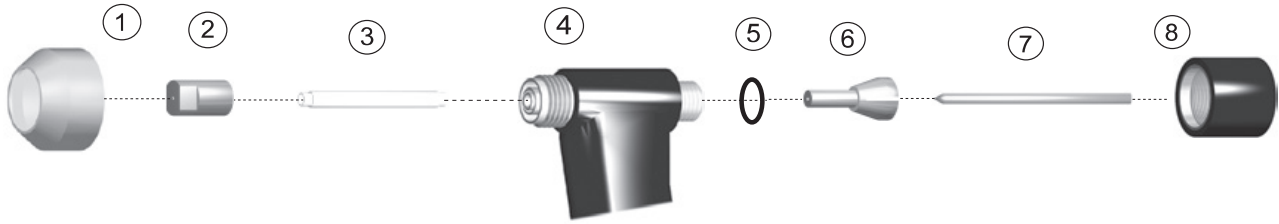
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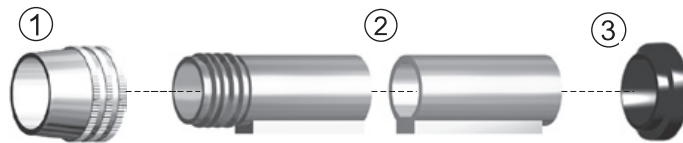
## PWH/M 2A WELDING TORCH



| Item | Part No. | Ref. No. | Description     | Std. Pkg | Item | Part No. | Ref. No. | Description            | Std. Pkg. |
|------|----------|----------|-----------------|----------|------|----------|----------|------------------------|-----------|
| 1.   | T-1482   | 8-2071   | Shield Cup      | 5        |      | T-1037   | 8-2028   | Torch Head, 90°        | 1         |
| 2.   | T-1483   | 8-2023   | Tip, .046, 35A  | 10       |      | T-1493   | 8-2097   | Torch Head, Machine    | 1         |
|      | T-1485   | 8-2025   | Tip, .081, 75A  | 10       | 5.   | T-1494   | 8-2035   | O-Ring                 | 10        |
|      | T-1486   | 8-2079   | Tip, Long, .031 | 10       | 6.   | T-1495   | 8-2039   | Collet                 | 1         |
|      | T-1487   | 8-2080   | Tip, Long, .046 | 10       |      | T-0766   | 8-2041   | Collet (.040)          | 1         |
|      | T-1488   | 8-2082   | Tip, Long, .062 | 10       | 7.   | T-1496   | 8-2033   | Electrode              | 5         |
|      | T-1489   | 8-2083   | Tip, Long, .081 | 10       |      | T-0768   | 8-2044   | Electrode (.040), Std. | 10        |
| 3.   | T-1490   | 8-2040   | Gas Distributor | 1        | 8.   | T-1497   | 8-2032   | Back Cap               | 1         |
| 4.   | T-1491   | 8-2036   | Gasket          | 5        |      | T-0765   | 8-2030   | Back Cap, Extended     | 1         |
|      | T-1492   | 8-2027   | Torch Head, 70° | 1        |      |          |          |                        |           |

## ACCESSORIES

### Machine Torch



| Item      | Part No. | Ref. No. | Description                        | Std. Pkg | Item      | Part No. | Ref. No. | Description                        | Std. Pkg. |
|-----------|----------|----------|------------------------------------|----------|-----------|----------|----------|------------------------------------|-----------|
| 1.        | T-0157   | 8-4018*  | Nut                                | 1        | NS T-0774 | 2-2840   |          | Machine Torch w/12.5' Leads w/o QD | 1         |
| 2.        | T-0159   | 8-5005   | Mounting Tube                      | 1        | NS T-1532 | 9-2105   |          | Negative Lead, Green, 12-1/2'      | 1         |
| 3.        | T-0161   | 8-4204   | Bushing                            | 1        | NS T-1533 | 8-1494   |          | Negative Lead, Green, 25'          | 1         |
| NS T-1526 | 4-2539   |          | Leads 12-1/2'                      | 1        | NS T-1534 | 9-2107   |          | Positive Lead, Red 12-1/2'         | 1         |
| NS T-1527 | 4-2585   |          | Leads 25'                          | 1        | NS T-1535 | 8-1495   |          | Positive Lead, Red 25'             | 1         |
| NS T-1528 | 2-2443   |          | Hand Torch 70° with 12-1/2' Leads  | 1        | NS T-1536 | 8-1074   |          | Plasma Hose 12 1/2'                | 1         |
| NS T-4106 | 2-2100   |          | Hand Torch 70° w/ 12.5' Leads & QD | 1        | NS T-1537 | 8-1496   |          | Plasma Hose 25'                    | 1         |
| NS T-1529 | 2-2505   |          | Hand Torch 70° with 25' Leads      | 1        | NS T-1520 | 8-1075   |          | Shield Hose 12 1/2'                | 1         |
| NS T-0772 | 2-2444   |          | Hand Torch 90° w/ Leads 12.5'      | 1        | NS T-1521 | 8-1497   |          | Shield Hose 25'                    | 1         |
| NS T-0775 | 2-2506   |          | Hand Torch 90° w/ 25' Leads        | 1        | NS T-1446 | 8-3138   |          | Sleeving 12 1/2'                   | 1         |
| NS T-1530 | 2-2480   |          | Machine Torch W/ 12-1/2' Leads     | 1        | NS T-1447 | 8-3139   |          | Sleeving 25'                       | 1         |
| NS T-1531 | 2-2594   |          | Machine Torch w/ Leads 25'         | 1        |           |          |          |                                    |           |

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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PWH/M 3A WELDING TORCH



| Item | Part No. | Ref. No. | Description                       | Std. Pkg. | Item | Part No. | Ref. No.   | Description                       | Std. Pkg. |
|------|----------|----------|-----------------------------------|-----------|------|----------|------------|-----------------------------------|-----------|
| 1.   | T-1505   | 8-3040   | Shield Cup                        | 1         | 7.   | T-1519   | 8-3057     | Gasket - Shield Cup               | 1         |
|      | T-1911   | 8-3038   | Shield Cup Standard Weight        | 1         | 8.   | T-1500   | 8-3032     | Torch Head Assembly (180° offset) | 1         |
| 2.   | T-1506   | 8-3052   | Tip, .014, 10A - Std.             | 10        |      | T-1499   | 8-3030     | Torch Head 70°                    | 1         |
|      | T-1508   | 9-1782   | Tip, .031, 30A - Std.             | 10        |      | T-1036   | 8-3031     | Torch Head 90°                    | 1         |
|      | T-1509   | 9-1783   | Tip, .046, 50A - Std.             | 10        | 9.   | T-1027   | 8-0527     | O-Ring Electrode Cap              | 10        |
|      | T-1510   | 9-1784   | Tip, .062, 75A - Std.             | 10        | 10.  | T-1502   | 9-1780     | Collet                            | 1         |
|      | T-1511   | 9-1785   | Tip, .081, 100A - Std.            | 10        | 11.  | T-1504   | 9-1779     | Electrode Cap - Standard          | 1         |
|      | T-1512   | 9-1795   | Tip, .093, 150A - Std.            | 10        | 12.  | T-0777   | 9-1803     | Electrode Cap - Extended          | 1         |
| 3.   | T-1513   | 9-1788   | Tip Long, .031, 10A - Ext.        | 10        | NS   |          | 9-1757     | PWH Handle                        | 1         |
|      | T-1514   | 9-1789   | Tip Long, .046, 20A - Ext.        | 10        | NS   |          | 9-1778 OEM | Sleeve                            | 1         |
|      | T-1515   | 9-1790   | Tip Long, .062, 55A - Ext.        | 10        | NS   |          | 8-4018     | Nut                               | 1         |
|      | T-1516   | 9-1791   | Tip Long, .081, 75A - Ext.        | 10        | NS   |          | 9-1901     | Adaptor                           | 1         |
|      | T-1517   | 9-1811   | Tip Long, .093, 85A - Ext.        | 10        | NS   |          | 8-5005     | Positioning Tube                  | 1         |
| 4.   | T-1518   | 9-2240   | Gas Distributor Insulating Sleeve | 1         | NS   |          | 8-4204     | End Cap                           | 1         |
| 5.   | T-1503   | 9-1747   | Electrode                         | 5         | NS   |          | 9-1810     | Gage/Wrench                       | 1         |
| 6.   | T-1498   | 8-3059   | Gas Diffuser                      | 1         |      |          |            |                                   |           |

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# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PWH/M 4A WELDING TORCH



| Item | Part No. | Ref. No.  | Description                      | Std. Pkg. | Item | Part No. | Ref. No. | Description                     | Std. Pkg. |
|------|----------|-----------|----------------------------------|-----------|------|----------|----------|---------------------------------|-----------|
| 1.   | T-1448   | 8-4062    | Shield Cup                       | 5         | 10.  | T-1460   | 8-4014   | Torch Head Assembly 70°         | 1         |
|      | T-1449   | 8-4064    | Shield Cup w/Lens                | 5         |      | T-1303   | 8-4016   | Torch Head Assembly 180° offset | 1         |
| 2.   | T-1451   | 9-1847    | Tip, (.062), 100 A - Std.        | 10        |      | T-0075   | 8-4015   | Torch Head Assembly 90°         | 1         |
|      | T-1452   | 9-1848    | Tip, (.093), 125 A - Std.        | 10        |      | T-1461   | 8-4054   | Torch Head Assembly 180° inline | 1         |
|      | T-1453   | 9-1849    | Tip, (.125), 250 A - Std.        | 10        | 11.  | T-1463   | 9-1876   | Collet                          | 1         |
| 3.   | T-1020   | 9-1890    | Tip, (.062), 100 A - Ext.        | 10        | 12.  | T-0191   | 8-4158   | Electrode Cap Standard          | 1         |
|      | T-2145   | 9-1891    | Tip, (.093), 125 A - Ext.        | 10        |      | T-2144   | 9-1877   | Electrode Cap Extended          | 1         |
|      | T-2355   | 9-1892    | Tip, (.125), 250 A - Ext.        | 10        | NS   | T-2146   | 9-2204   | Gas Distributor                 | 1         |
| 4.   | T-1454   | 9-1827    | Electrode (.187) - Std.          | 5         | NS   | T-1456   | 8-0560   | O-Ring                          | 1         |
|      | T-2134   | 9-1834    | Electrode (.187) - Ext.          | 5         | NS   | T-1457   | 8-0528   | O-Ring                          | 1         |
| 5.   | T-2105   | 8-4011    | Liner (without Gas Distributor)  | 1         | NS   | T-0114   | 8-0530   | O-Ring Electrode Cap            | 1         |
| 6.   | T-1455** | 8-4012-UR | Liner (Gas Distributor included) | 1         | NS   | T-0157   | 8-4018   | Nut                             | 1         |
| 7.   | T-1458   | 8-4024    | Collar                           | 1         | NS   | T-0183   | 9-1901   | Adaptor                         | 1         |
| 8.   | T-1459   | 8-4040    | Shield Gas Diffuser - Threaded   | 1         | NS   | T-0159   | 8-5005   | Positioning Tube                | 1         |
| 9.   | T-0197   | 8-4069    | Gasket - Shield Cup              | 10        | NS   | T-0161   | 8-4204   | End Cap                         | 1         |

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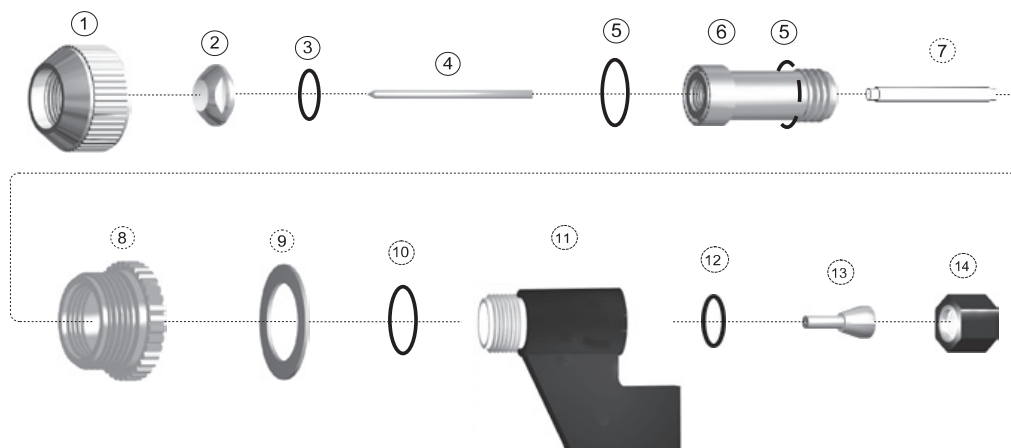
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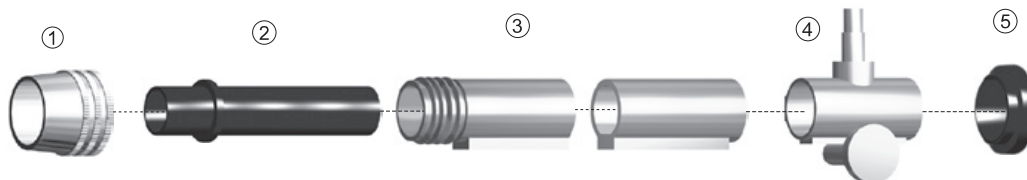
# REPLACEMENT PARTS SUITABLE FOR THERMAL DYNAMICS®

## PWM 300 WELDING TORCH



| Item | Part No. | Ref. No. | Description                 | Std. Pkg. | Item | Part No. | Ref. No. | Description         | Std. Pkg. |
|------|----------|----------|-----------------------------|-----------|------|----------|----------|---------------------|-----------|
| 1.   | T-2360   | 8-4373   | End Cap                     | 1         | 7.   | T-2365   | 8-6651   | Insulating Sleeve   | 1         |
| 2.   | T-2361   | 8-4370   | Tip, .093, 200A             | 5         | 8.   | T-2366   | 8-6652*  | Shield Cup Diffuser | 1         |
|      | T-2362   | 8-4371   | Tip, .113, 250A             | 5         | 9.   | T-0230   | 8-6512   | Gasket              | 5         |
|      | T-2363   | 8-4372   | Tip, .125, 300A             | 5         | 10.  | T-0108   | 8-0531   | O-Ring              | 10        |
| 3.   | T-2152   | 9-2863   | O-Ring                      | 10        | 11.  | T-2369   | 8-6649   | Torch Body          | 1         |
| 4.   | T-1454   | 9-1827   | Electrode                   | 5         | 12.  | T-2082   | 8-0534   | O-Ring              | 10        |
| 5.   | T-1029   | 9-2956   | O-Ring                      | 10        | 13.  | T-2367   | 8-6650   | Collet              | 1         |
| 6.   | T-2364   | 8-6509   | Liner (includes 50-720S 2x) | 1         | 14.  | T-2368   | 8-6654*  | Electrode Cap       | 1         |

## ACCESSORIES



| Item      | Part No. | Ref. No. | Description                   | Std. Pkg. | Item       | Part No.   | Ref. No. | Description                   | Std. Pkg. |
|-----------|----------|----------|-------------------------------|-----------|------------|------------|----------|-------------------------------|-----------|
| 1.        | T-0157   | 8-4018   | Nut                           | 1         | NS T-1440  | 9-2081     |          | Positive Torch Lead, 12.5 ft. | 1         |
| 2.        | T-0183   | 9-1901*  | Adapter                       | 1         | NS T-1441  | 8-1399     |          | Positive Torch Lead, 25 ft.   | 1         |
| 3.        | T-0159   | 8-5005   | Mounting Tube                 | 1         | NS T-1442  | 8-0142     |          | Plasma Gas Hose, 12.5 ft.     | 1         |
| 4.        | T-0160   | 7-2827*  | Pinion Assembly               | 1         | NS T-1443  | 8-1505     |          | Plasma Gas Hose, 25 ft.       | 1         |
| 5.        | T-0161   | 8-4204   | Bushing                       | 1         | NS T-1444  | 9-3086     |          | Shield Gas Hose, 12.5 ft.     | 1         |
| NS T-1492 | 4-2525   |          | Torch Leads, 12.5 ft.         | 1         | NS T-1445  | 9-3088     |          | Shield Gas Hose, 25 ft.       | 1         |
| NS T-1493 | 4-2544   |          | Torch Leads, 25 ft.           | 1         | NS T-0236* | 8-6517 OEM |          | Wrench                        | 1         |
| NS T-1438 | 9-2079   |          | Negative Torch Lead, 12.5 ft. | 1         | NS T-2866  | 2-2845     |          | PMW300 w/ 12.5' Leads         | 1         |
| NS T-1439 | 8-1398   |          | Negative Torch Lead, 25 ft.   | 1         | NS T-2867  | 2-2846     |          | PMW300 w/ 25' Leads           | 1         |

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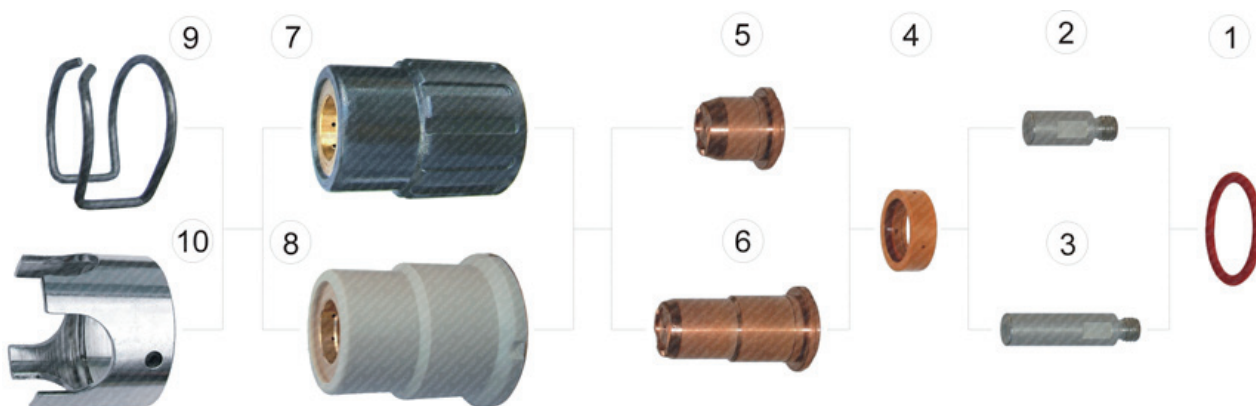
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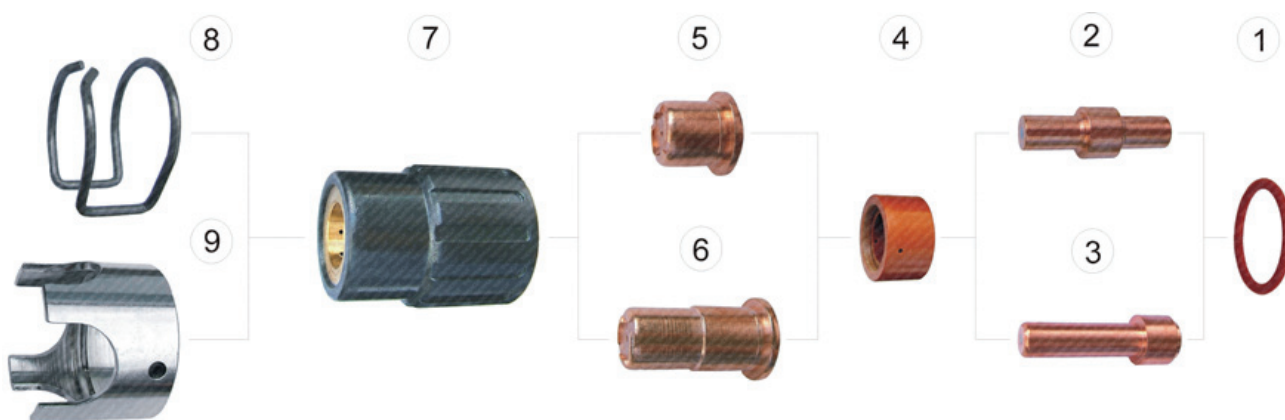
# REPLACEMENT PARTS SUITABLE FOR TRAFIMET®

## A53/S54



| Item | Part No. | Description     | Ref. No. | Item | Part No. | Description                | Ref. No.   |
|------|----------|-----------------|----------|------|----------|----------------------------|------------|
| 1.   | T-5010   | O-Ring          | EA125    | 6.   | T-9524   | Nozzle, Long               | PD103(-10) |
| 2.   | T-5060   | Electrode       | PR105    | 7.   | T-5014   | Nozzle Retaining Cap (A53) | PC105      |
| 3.   | T-5061   | Electrode, Long | PR106    | 8.   | T-5016   | Nozzle Retaining Cap (S54) | PC115      |
| 4.   | T-5041   | Swirl Ring      | PE106    | 9.   | T-5005   | Spacer Spring              | CV28       |
| 5.   | T-5019   | Nozzle          | PD102-10 | 10.  | T-5006   | Crown Spacer               | CV33       |

## A60



| Item | Part No. | Description     | Ref. No. | Item | Part No. | Description          | Ref. No. |
|------|----------|-----------------|----------|------|----------|----------------------|----------|
| 1.   | T-5010   | O-Ring          | EA125    | 6.   | T-5024   | Nozzle, Long 1.0mm   | PD106-10 |
| 2.   | T-5062   | Electrode       | PR107    |      | T-5025   | Nozzle, Long 1.2mm   | PD106-12 |
| 3.   | T-5063   | Electrode, Long | PR108    | 7.   | T-5014   | Nozzle Retaining Cap | PC105    |
| 4.   | T-5042   | Swirl Ring      | PE107    | 8.   | T-5005   | Spacer Spring        | CV28     |
| 5.   | T-5022   | Nozzle          | PD105-10 | 9.   | T-5006   | Crown Spacer         | CV33     |

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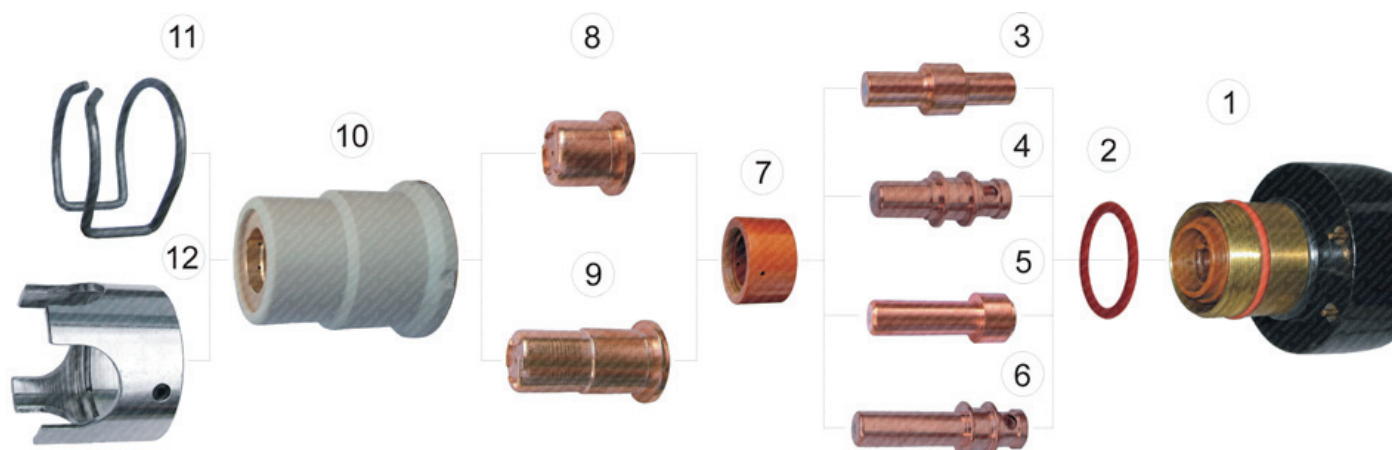
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# REPLACEMENT PARTS SUITABLE FOR TRAFIMET®

A80/P80



| Item | Part No. | Description       | Ref. No. | Item | Part No. | Description          | Ref. No. |
|------|----------|-------------------|----------|------|----------|----------------------|----------|
| 1.   | T-5052   | Torch Body - Hand | PF119    | 8.   | T-5022   | Nozzle 1.0mm         | PD105-10 |
| 2.   | T-5010   | O - Ring          | EA125    |      | T-5023   | Nozzle 1.2mm         | PD105-12 |
| 3.   | T-5062   | Electrode         | PR107    | 9.   | T-5024   | Nozzle, Long 1.0mm   | PD106-10 |
| 4.   | T-9216   | Electrode         | PR109    | 10.  | T-5016   | Nozzle Retaining Cap | PC115    |
| 5.   | T-5063   | Electrode, Long   | PR108    | 11.  | T-5005   | Spacer Spring        | CV28     |
| 6.   | T-9804   | Electrode, Long   | PR115    | 12.  | T-5006   | Crown Spacer         | CV33     |
| 7.   | T-5042   | Swirl Ring        | PE107    | NS   | T-5442   | Handle with Switch   | 1356     |

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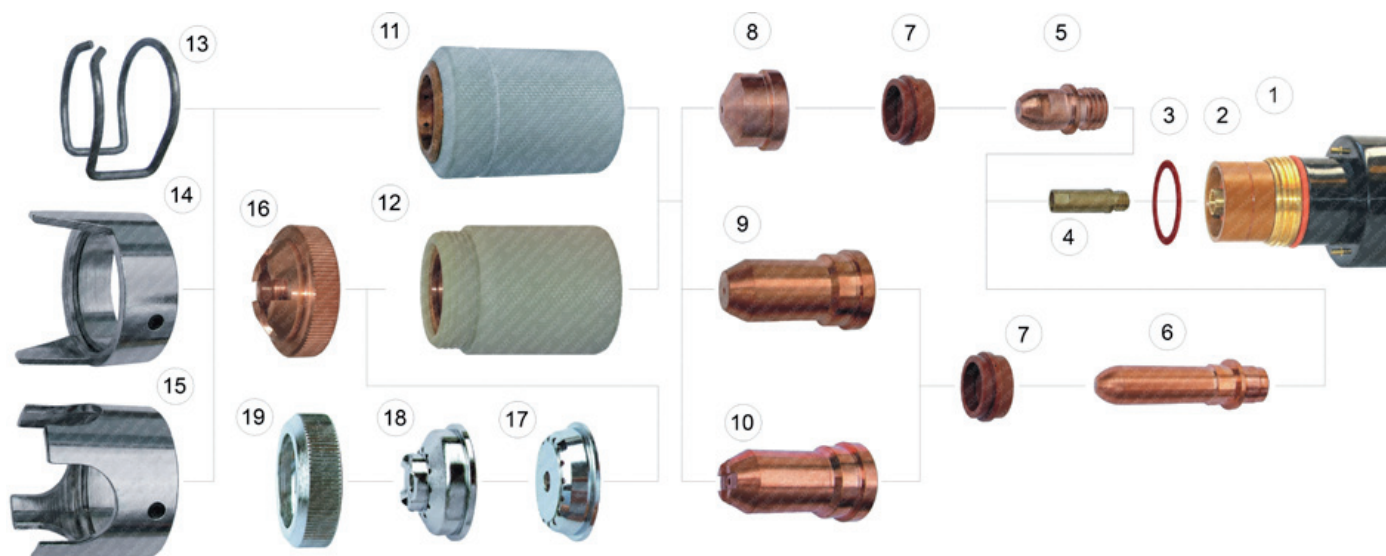
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# REPLACEMENT PARTS SUITABLE FOR TRAFIMET®

A90/P90



| Item | Part No. | Description                            | Ref. No. | Item | Part No. | Description                | Ref. No.   |
|------|----------|----------------------------------------|----------|------|----------|----------------------------|------------|
| 1.   | T-3717   | Torch Body - Hand (part 2, 3 included) | PF109    |      | T-5034   | Nozzle, Long 1.9mm         | PD117-19   |
| 2.   | PT-10707 | Insulator                              | 45244-5  | 10.  | T-11106  | Nozzle, Gouging            | PD111-PR   |
| 3.   | T-3562   | O - Ring                               | EA131    | 11.  | T-3714   | Nozzle Retaining Cap       | PC109      |
| 4.   | PT-10709 | Diffusor                               | 45244-7  | 12.  | T-5015   | Contact Nozzle Ret. Cap    | PC113      |
| 5.   | T-5059   | Electrode                              | PR101    | 13.  | T-3718   | Spacer Spring              | CV11       |
| 6.   | T-5065   | Electrode, Long – no thread            | PR116    | 14.  | T-0643   | Spacer, Double Pointed     | CV12(1408) |
| NS   | T-10132  | Electrode, Long – with thread          | PR116-Z  | 15.  | T-5003   | Crown Spacer               | CV14       |
| 7.   | T-5072   | Swirl Ring                             | PE101    | 16.  | T-5004   | Shield Cup                 | CV23       |
| 8.   | T-2926   | Nozzle 1.1mm                           | PD101-11 | 17.  | T-9372   | Shield cup, Machine        |            |
|      | T-3349   | Nozzle 1.4mm                           | PD101-14 | 18.  | T-9370   | Spacer for Contact Cutting |            |
|      | T-2955   | Nozzle 1.7mm                           | PD101-17 | 19.  | T-9375   | Locking Nut                |            |
| 9.   | T-5032   | Nozzle, Long 1.4mm                     | PD117-14 | NS   | T-5069   | Insulating Sleeve          | TP12       |
|      | T-5033   | Nozzle, Long 1.7mm                     | PD117-17 | NS   | T-5068   | Handle with Switch         | TP10       |

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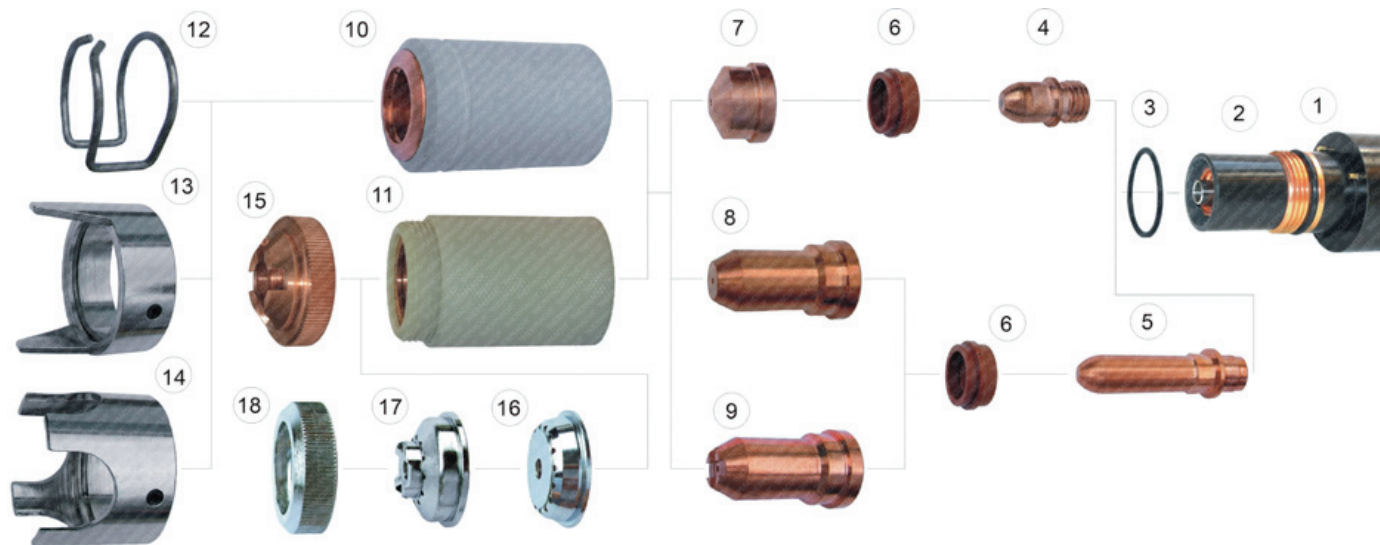
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# REPLACEMENT PARTS SUITABLE FOR TRAFIMET®

A140/P140



| Item | Part No. | Description                    | Ref. No. | Item | Part No. | Description                | Ref. No.   |
|------|----------|--------------------------------|----------|------|----------|----------------------------|------------|
| 1.   | T-3716   | Torch Body, Hand               | PF101    |      | T-5034   | Nozzle, Long 1,9mm         | PD117-19   |
|      | T-5047   | Torch Body, Machine            | PF102    | 9.   | T-11106  | Nozzle, Gouging            | PD111-PR   |
| 2.   | T-11289  | Insulator (only for TMT torch) | T-11289  | 10.  | T-10409  | Nozzle Retaining Cap       | PC101      |
| 3.   | T-3562   | O - Ring                       | EA131    | 11.  | T-5013   | Contact Nozzle Ret. Cap    | PC103      |
| 4.   | T-5059   | Electrode                      | PR101    | 12.  | T-3718   | Spacer Spring              | CV11       |
| 5.   | T-5065   | Electrode, Long – no thread    | PR116    | 13.  | T-0643   | Double Pointed Spacer      | CV12(1408) |
| NS   | T-10132  | Electrode, Long – with thread  | PR116-Z  | 14.  | T-5003   | Crown Spacer               | CV14       |
| 6.   | T-5072   | Swirl Ring                     | PE101    | 15.  | T-5004   | Shield Cup                 | CV23       |
| 7.   | T-2926   | Nozzle 1.1mm                   | PD101-11 | 16.  | T-9372   | Shield Cup, Machine        |            |
|      | T-3349   | Nozzle 1.4mm                   | PD101-14 | 17.  | T-9370   | Spacer for Contact Cutting |            |
|      | T-2955   | Nozzle 1.7mm                   | PD101-17 | 18.  | T-9375   | Locking Nut                |            |
|      | T-2954   | Nozzle 1.9mm                   | PD101-19 | NS   | T-5069   | Insulating Sleeve          | TP12       |
| 8.   | T-5032   | Nozzle, Long 1.4mm             | PD117-14 | NS   | T-5068   | Handle with Switch         | TP10       |
|      | T-5033   | Nozzle, Long 1.7mm             | PD117-17 |      |          |                            |            |

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# REPLACEMENT PARTS SUITABLE FOR TRAFIMET®

R145/R145P



| Item | Part No. | Description                    | Ref. No. | Item | Part No. | Description                  | Ref. No. |
|------|----------|--------------------------------|----------|------|----------|------------------------------|----------|
| 1.   | T-5050   | Torch Body, Hand               | PF112    | 9.   | T-10409  | Nozzle Retaining Cap         | PC101    |
|      | T-5049   | Torch Body, Machine            | PF111    | 10.  | T-3718   | Spacer Spring                | CV11     |
| 2.   | T-11289  | Insulator (only for TMT torch) | T-11289  | 11.  | T-0643   | Double Pointed Spacer        | CV12     |
| 3.   | T-3562   | O - Ring                       | EA131    | 12.  | T-5003   | Crown Spacer                 | CV14     |
| 4.   | T-5064   | Electrode                      | PR111    | 13.  | T-5017   | Nozzle Retaining Cap         | PC120    |
| 5.   | T-5065   | Electrode, Long – no thread    | PR116    | 14.  | T-5000   | Nozzle Shield                | BW139    |
| NS   | T-10132  | Electrode, Long – with thread  | PR116-Z  | 15.  | T-5001   | Cage Spacer                  | CV1105   |
| 6.   | T-5040   | Swirl Ring                     | PE103    | 16.  | T-5013   | Contact Nozzle Retaining Cap | PC103    |
| 7.   | T-5027   | Nozzle 1,4mm                   | PD109-14 | 17.  | T-9372   | Shield Cup, Machine          |          |
|      | T-5028   | Nozzle 1,6mm                   | PD109-16 | 18.  | T-9371   | Spacer for Contact Cutting   |          |
|      | T-5029   | Nozzle 1,8mm                   | PD109-18 | 19.  | T-9375   | Locking Nut                  |          |
| 8.   | T-5032   | Nozzle, Long 1,4mm             | PD117-14 | NS   | T-5069   | Insulating Sleeve            | TP12     |
|      | T-5033   | Nozzle, Long 1,7mm             | PD117-17 | NS   | T-5068   | Handle with Switch           | TP10     |
|      | T-5034   | Nozzle, Long 1,9mm             | PD117-19 |      |          |                              |          |

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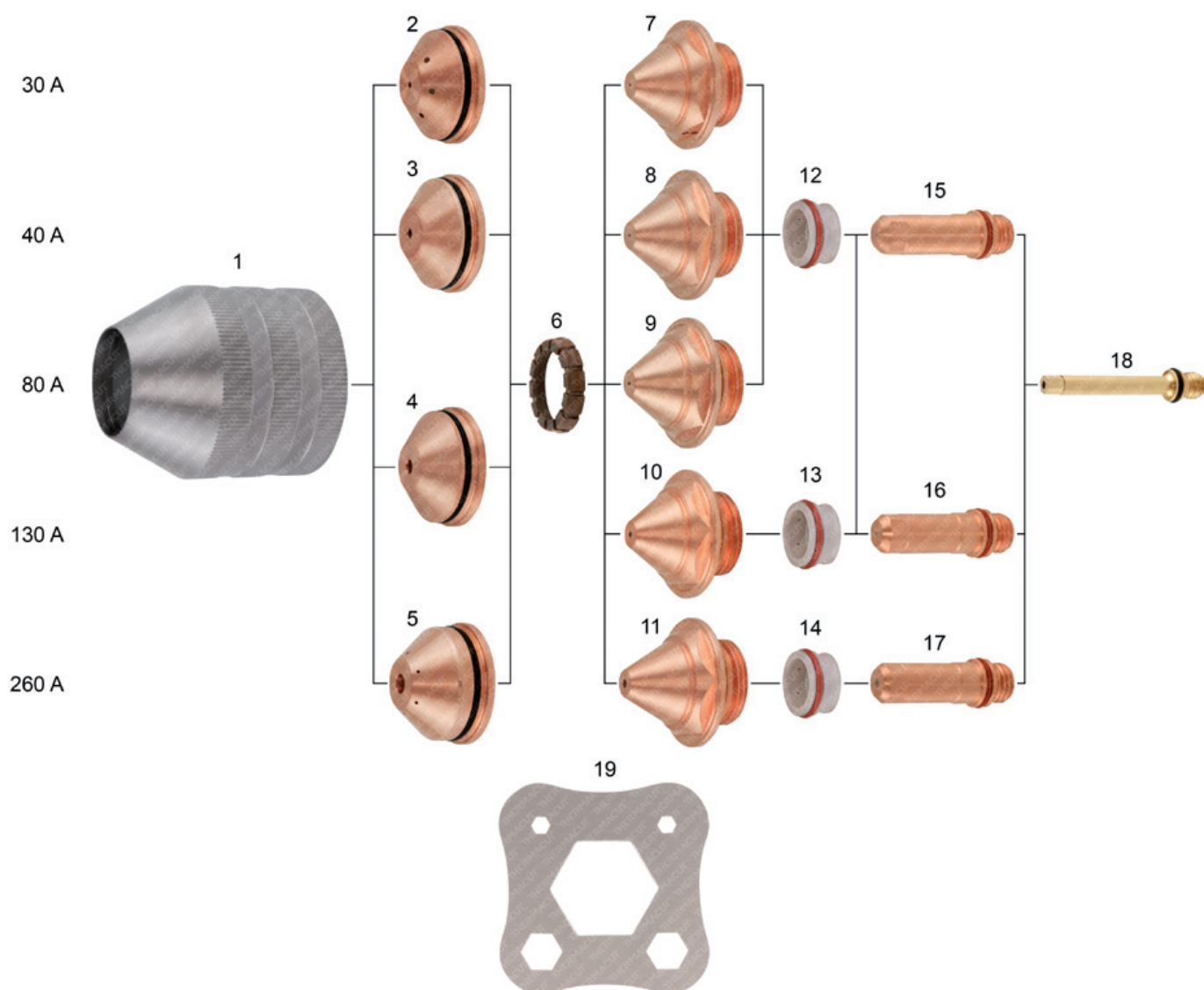
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# REPLACEMENT PARTS SUITABLE FOR AJAN®

## HP260A™ mild steel



| Item | Part No. | Ref. No. | Description        | Std. Pkg. | Item | Part No. | Ref. No.         | Description             | Std. Pkg. |
|------|----------|----------|--------------------|-----------|------|----------|------------------|-------------------------|-----------|
| *1.  | T-11408  | SC2-UR   | Shield Cap 30–260A | 1         | 11.  | T-11333  | N7               | Nozzle 260A             | 1         |
| 2.   | T-11334  | S1       | Shield 30A         | 1         | *12. | T-11338  | SW1-UR           | Swirl Ring 30–80A       | 1         |
| 3.   | T-11335  | S2       | Shield 40A         | 1         | *13. | T-11339  | SW2-UR           | Swirl Ring 130A         | 1         |
| 4.   | T-11336  | S3       | Shield 80/130A     | 1         | *14. | T-11340  | SW3-UR           | Swirl Ring 260A         | 1         |
| 5.   | T-11337  | S4       | Shield 260A        | 1         | 15.  | T-11341  | E0               | Electrode 30–80A        | 1         |
| 6.   | T-11328  | G1       | Gas Ring 30–260A   | 1         | 16.  | T-11342  | E1               | Electrode 130A          | 1         |
| 7.   | T-11329  | N1       | Nozzle 30A         | 1         | 17.  | T-11343  | E3               | Electrode 260A          | 1         |
| 8.   | T-11330  | N2       | Nozzle 40A         | 1         | 18.  | T-11327  | B1               | Cooling Tube            | 1         |
| 9.   | T-11331  | N3       | Nozzle 80A         | 1         | *19. | T-11351  | 100-07-106535-UR | Consumable removal tool | 1         |
| 10.  | T-11332  | N5       | Nozzle 130A        | 1         |      |          |                  |                         |           |

\* FULLY INTERCHANGEABLE AND COMPATIBLE WITH ORIGINAL PARTS, BUT DIFFERS FROM ORIGINAL DESIGN

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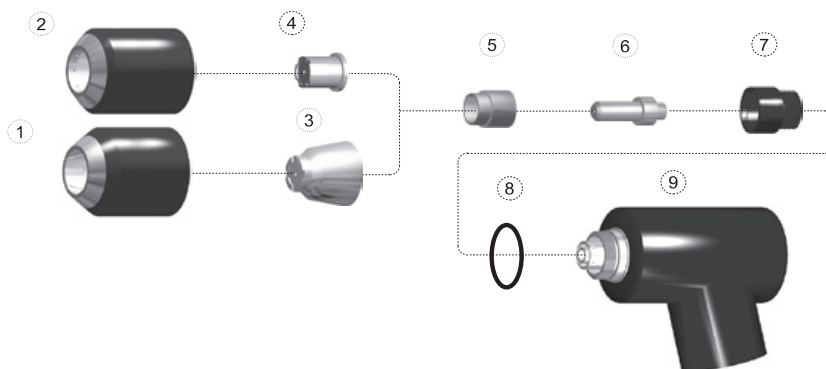
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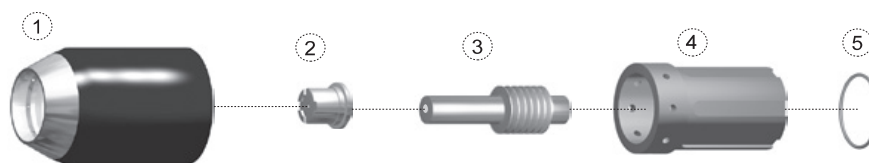
# REPLACEMENT PARTS SUITABLE FOR CENTURY®

## 20-40



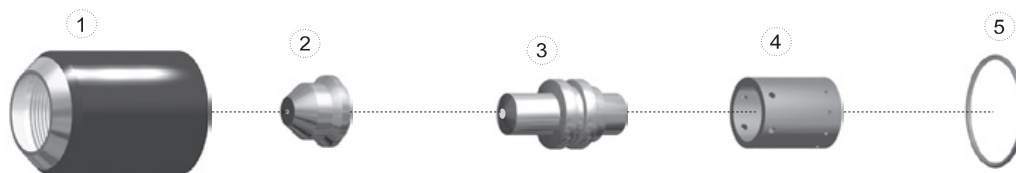
| Item | Part No. | Ref. No.    | Description            | Std. Pkg. | Item | Part No. | Ref. No.    | Description     | Std. Pkg. |
|------|----------|-------------|------------------------|-----------|------|----------|-------------|-----------------|-----------|
| 1.   | T-0044   | 334-271-100 | Retaining Cap, Tapered | 1         | 6.   | T-0052   | 334-263-100 | Electrode       | 10        |
| 2.   | T-0043   | 334-266-100 | Retaining Cap          | 1         | 7.   | T-0095   | 020114-1    | Torch Insulator | 1         |
| 3.   | T-0048   | 334-270-100 | Nozzle, Hi-Visibility  | 10        | 8.   | T-0038   | 512-087-100 | O-Ring          | 10        |
| 4.   | T-0045   | 334-265-100 | Nozzle                 | 10        | 9.   | T-0055   | 020114      | Torch Head      | 1         |
| 5.   | T-0051   | 334-264-100 | Swirl Ring             | 5         |      |          |             |                 |           |

## 20-50



| Item | Part No. | Ref. No.     | Description    | Std. Pkg. | Item | Part No. | Ref. No.    | Description            | Std. Pkg. |
|------|----------|--------------|----------------|-----------|------|----------|-------------|------------------------|-----------|
| 1.   | T-0026   | 334-290-905  | Retaining Cap  | 1         | 4.   | T-0029   | 334-288-905 | Swirl Ring             | 2         |
| 2.   | T-0027   | 334-289-905  | Nozzle, 40 Amp | 10        | 5.   | T-0038   | 512-087-100 | O-Ring                 | 10        |
|      | T-0028   | 334-295-905  | Nozzle, .038   | 10        | NS   |          | 238-456-000 | Hand Torch w/25' Leads | 1         |
| 3.   | T-0030   | 334-287-905* | Electrode      | 5         |      |          |             |                        |           |

## 20-20



| Item | Part No. | Ref. No.    | Description   | Std. Pkg. | Item | Part No. | Ref. No.    | Description | Std. Pkg. |
|------|----------|-------------|---------------|-----------|------|----------|-------------|-------------|-----------|
| 1.   | T-0032   | 334-280-100 | Retaining Cap | 1         | 4.   | T-0035   | 334-278-100 | Swirl Ring  | 2         |
| 2.   | T-0033   | 334-279-100 | Nozzle        | 10        | 5.   | T-0038   | 512-087-100 | O-Ring      | 10        |
| 3.   | T-0036   | 334-277-100 | Electrode     | 10        |      |          |             |             |           |

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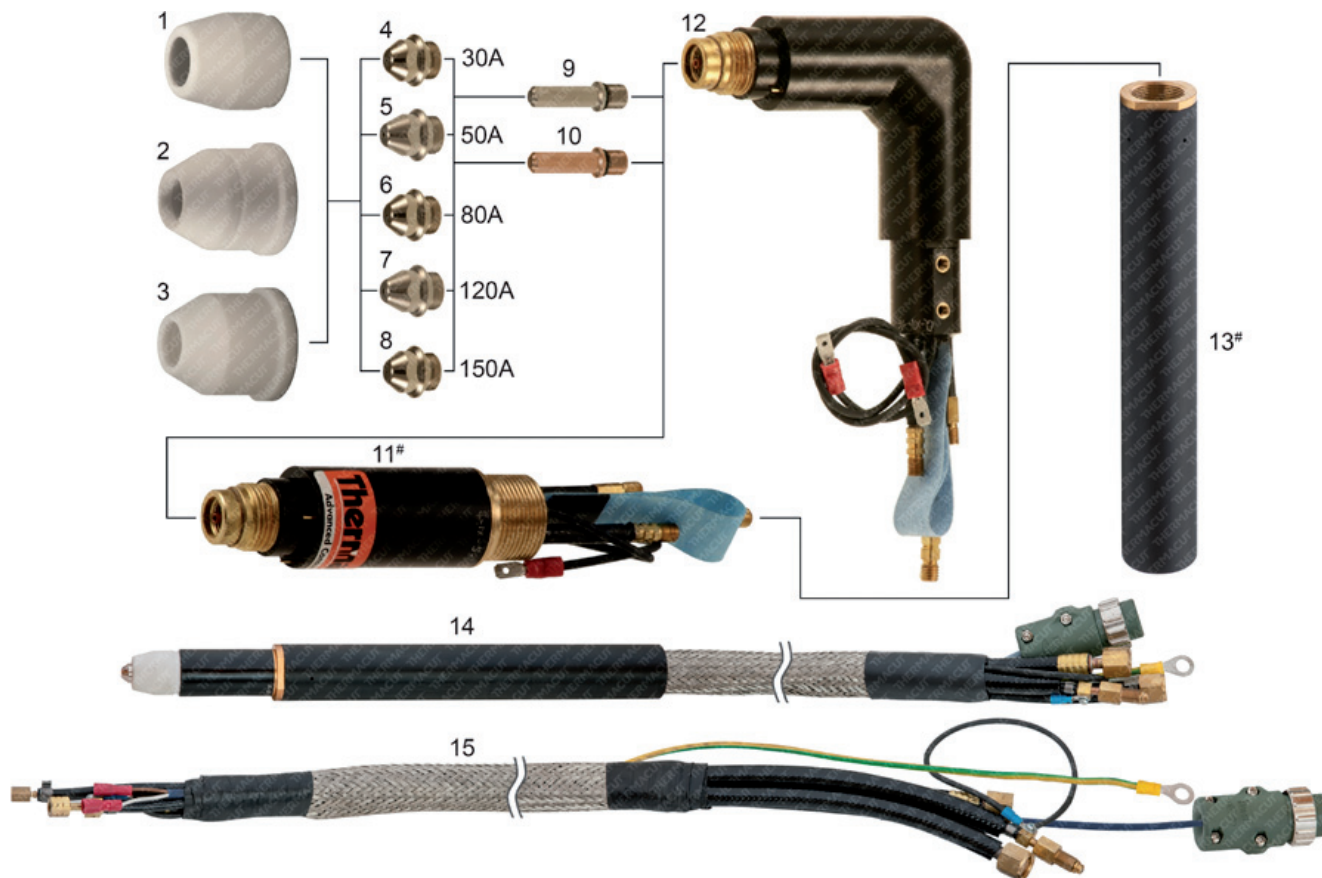
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# REPLACEMENT PARTS SUITABLE FOR DAIHEN®/OTC®

CTPW-1201, CTZW-1201  
D-12000



| Item | Part No. | Ref. No.     | Description                                 | Std. Pkg. | Item | Part No. | Ref. No.          | Description                                          | Std. Pkg. |
|------|----------|--------------|---------------------------------------------|-----------|------|----------|-------------------|------------------------------------------------------|-----------|
| 1.   | T-1007   | H839G02      | Shield Cup                                  | 5         | 12.  | T-5315   | H839B00           | Torch Body, Hand, 90°                                | 1         |
| 2.   | T-5316   | H839G02N     | Shield Cup                                  | 5         | #13. | T-11295# | T-11295           | Tube (use only with H840B00-UR)                      | 1         |
| 3.   | T-5317   | H839G02T     | Shield Cup                                  | 5         | 14.  | KT-1263  | K.CTPW-1201.8M    | CTPW-1201® Machine Torch w/ Leads 8m (26')           | 1         |
| 4.   | T-1008   | H839K03      | Nozzle, 30A                                 | 5         |      | KT-1049  | K.CTPW-1201.10M   | CTPW-1201® Machine Torch w/ Leads 10m (33')          | 1         |
| 5.   | T-1009   | H839K02      | Nozzle, 50A                                 | 5         |      | KT-1314  | K.CTZW-1201.10M   | CTZW-1201® Hand Torch w/ Leads 10m (33')             | 1         |
| 6.   | T-1011   | H839K01      | Nozzle, 80A                                 | 5         |      | KT-1221  | K.CTPW-1201.13M   | CTPW-1201® Machine Torch w/ Leads 13m (42')          | 1         |
| 7.   | T-1012   | H839G03      | Nozzle, 120A                                | 5         |      | KT-1224  | K.CTPW-1201.20M   | CTPW-1201® Machine Torch w/ Leads 20m (66')          | 1         |
| 8.   | T-5318   | H839G04      | Nozzle, 150A                                | 5         |      | KT-1302  | DEMO CTPW-1201    | Torch+cable leads 0,8m, exhibition only, inoperative | 1         |
| *9.  | T-9593*  | H839M00-UR   | Electrode 30 - 150A, Ni plated              | 5         | 15.  | KT-1341  | K.CTZW-1201.10M.K | CTZW-1201® Cable Leads, Hand 10m (33')               | 1         |
|      |          | H839M00G     | = H839M00-UR                                |           |      | KT-1222  | K.CTPW-1201.13M.K | CTPW-1201® Cable Leads, Machine 13m (42')            | 1         |
| 10.  |          | H839M00-UR-N | Electrode 30 - 150A                         | 5         |      | KT-1225  | K.CTPW-1201.20M.K | CTPW-1201® Cable Leads, Machine 20m (66')            | 1         |
| #11. | T-1017#  | H840B00-UR   | Torch Body, Machine (use only with T-11295) | 1         |      |          |                   |                                                      |           |

\* Electrode H839M00-UR replaces obsolete description H839M00G, has same design only ref. number has been changed, electrode design is not fully compatible with latest japanese OEM torches (can cause coolant leaks).

# Not interchangeable with OEM. Torch body H840B00-UR and tube T-11295 must be used together as the set, connection thread is different compared to OEM.

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## REPLACEMENT PARTS SUITABLE FOR KOMATSU®

**G940 TORCH, 40A**  
**RASOR® KCR-0448, 0451**



| Item | Part No. | Ref. No.    | Description | Std. Pkg. | Item   | Part No.    | Ref. No.    | Description | Std. Pkg. |
|------|----------|-------------|-------------|-----------|--------|-------------|-------------|-------------|-----------|
| 1.   | T-1549   | 65-0432-002 | Nozzle, 0.6 | 5         | T-1551 | 65-0432-013 | Nozzle, 0.7 | 5           |           |
|      | T-1550   | 65-0432-003 | Nozzle, 0.4 | 5         | 2.     | T-1554      | 65-0432-005 | Electrode   | 5         |

**G9120 TORCH, 90A**  
**RASOR® KCR-1251, 12714, 9714, 0951**



| Item | Part No. | Ref. No.    | Description | Std. Pkg. | Item | Part No. | Ref. No.     | Description        | Std. Pkg. |
|------|----------|-------------|-------------|-----------|------|----------|--------------|--------------------|-----------|
| 1.   | T-2057   | 65-0434-016 | Cap #2      | 1         | 6.   | T-2061   | 65-0434-020  | Guide              | 1         |
| 2.   | T-4097   | 65-0442-005 | Shield Cap  | 1         | 7.   | T-2321   | 65-0442-001  | Electrode          | 5         |
| 3.   | T-2359   | 65-0442-004 | Spacer Ring | 1         | 8.   | T-3421   | 65-0442-009  | Cooling Tube, 120A | 1         |
| 4.   | T-2056   | 65-0434-015 | Cap #1      | 1         | NS   | T-11198  | 969-94-61310 | Tube               | 1         |
| 5.   | T-2353   | 65-0442-002 | Nozzle, 1.3 | 1         |      |          |              |                    |           |

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# REPLACEMENT PARTS SUITABLE FOR MIGATRONIC®

PLA-45, PLA-85



| Item | Part No. | Description     | Torch     | Ref. No.  | Item | Part No. | Description     | Torch     | Ref. No. |
|------|----------|-----------------|-----------|-----------|------|----------|-----------------|-----------|----------|
| 1.   | T-4800   | Distance Spring | PLA-45,85 | 80600088  | 8.   | T-4816   | Torch Body-Hand | PLA-45,85 | 80650005 |
| 2.   | T-4805   | Distance Ring   | PLA-45,85 | 80600095  | NS   | T-4802   | Handle          | PLA-45,85 | 80600092 |
| 3.   | T-4825   | Shield Cap      | PLA-45    | 80640123  | NS   | T-4806   | Tiping Device   | PLA-45,85 | 80600096 |
| 4.   | T-4813   | Shield Cap      | PLA-85    | 80630011  | NS   | T-7000   | Trigger         | PLA-45,85 | 45050101 |
| 5.   | T-4815   | Tip 1.0mm       | PLA-45    | 80630012A | NS   | T-4807   | Contact Pin     | PLA-45,85 | 80600097 |
| 6.   | T-4814   | Tip 1.0mm       | PLA-45,85 | 80630012  | NS   | T-7002   | Gas Flow Meter  | PLA-45,85 | 82034014 |
|      | T-4811   | Tip 1.2mm       | PLA-85    | 80630009  | NS   | T-4808   | Mounted Print   | PLA-45,85 | 80600099 |
|      | T-4812   | Tip 1.4mm       | PLA-85    | 80630010  | NS   | T-4803   | Cutting Guide   | PLA-45,85 | 80600093 |
| 7.   | T-4810   | Electrode       | PLA-45,85 | 80610005  |      |          |                 |           |          |

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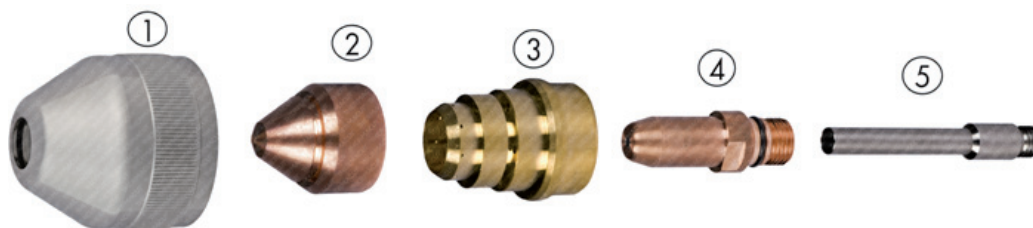
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# REPLACEMENT PARTS SUITABLE FOR SAF®

## OCP 150



| Item | Part No. | Ref. No.   | Description                | Std. Pkg. | Item | Part No. | Ref. No.     | Description                    | Std. Pkg. |
|------|----------|------------|----------------------------|-----------|------|----------|--------------|--------------------------------|-----------|
| 1.   | T-10456  | 0409-2166  | Nozzle Retaining Cap       | 1         | NS   | T-10172  | 0409-2240    | Nozzle 120A, N <sub>2</sub>    | 1         |
|      | T-8310   | 0409-2166T | Nozzle Retaining Cap       | 1         | NS   | T-10135  | 0409-2250    | Nozzle 120A, Ar/H <sub>2</sub> | 1         |
| NS   | T-10186  | 0409-2210  | Nozzle Retaining Cap       | 1         | 3.   | T-10458  | 0409-2170    | Swirl Ring 60A                 | 1         |
| 2.   | T-10449  | 0409-2171  | Nozzle 15A                 | 1         |      | T-8312   | 0409-2170T   | Swirl Ring 60A                 | 1         |
|      | T-9949   | 0409-2171T | Nozzle 15A                 | 1         |      | T-10457  | 0409-2169    | Swirl Ring 120A                | 1         |
|      | T-10450  | 0409-2173  | Nozzle 30A                 | 1         |      | T-8311   | 0409-2169T   | Swirl Ring 120A                | 1         |
|      | T-9947   | 0409-2173T | Nozzle 30A                 | 1         | NS   | T-10139  | 0409-2209    | Swirl Ring                     | 1         |
|      | T-10451  | 0409-2174  | Nozzle 40A                 | 1         | 4.   | T-10459  | 0409-2184-UR | Electrode                      | 5         |
|      | T-10018  | 0409-2174T | Nozzle 40A                 | 1         |      | T-10460  | 0409-2184    | Electrode (replace 0409-2185)  | 5         |
|      | T-10452  | 0409-2176  | Nozzle 60A                 | 1         |      | T-8315   | 0409-2184T   | Electrode                      | 5         |
|      | T-8313   | 0409-2176T | Nozzle 60A                 | 1         |      | T-10461  | 0409-2185    | Electrode                      | 5         |
|      | T-10453  | 0409-2183  | Nozzle 90A                 | 1         | NS   | T-10137  | 0409-2194T   | Electrode                      | 5         |
|      | T-8314   | 0409-2183T | Nozzle 90A                 | 1         | 5.   | T-10455  | 0409-2154    | Cooling Tube                   | 1         |
|      | T-10454  | 0409-2186  | Nozzle 120A                | 1         |      | T-9950   | 0409-2154T   | Cooling Tube                   | 1         |
|      | T-8316   | 0409-2186T | Nozzle 120A                | 1         | NS   | T-10019  | 0408-1238    | O-Ring                         | 1         |
| NS   | T-10140  | 0409-2231  | Nozzle 15A, N <sub>2</sub> | 1         | NS   | T-10020  | 0408-1282    | O-Ring                         | 1         |
| NS   | T-10141  | 0409-2233  | Nozzle 30A, N <sub>2</sub> | 1         | NS   | T-10021  | 0408-1284    | O-Ring                         | 1         |
| NS   | T-10142  | 0409-2234  | Nozzle 40A, N <sub>2</sub> | 1         | NS   | T-10022  | 0408-1283    | O-Ring                         | 1         |
| NS   | T-10143  | 0409-2236  | Nozzle 60A, N <sub>2</sub> | 1         | NS   | T-10049  | 0409-2168    | O-Ring                         | 1         |
| NS   | T-10134  | 0409-2239  | Nozzle 90A, N <sub>2</sub> | 1         | NS   | N-18105  | 0409-2187    | O-Ring                         | 1         |

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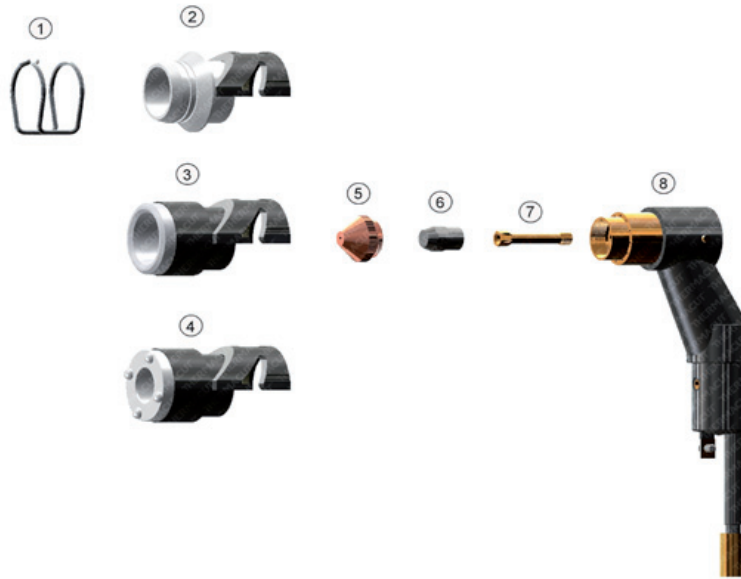
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# REPLACEMENT PARTS SUITABLE FOR SAF®

## CP40R, CP100R



| Item | Part No. | Ref. No.  | Description                     | Std. Pkg. | Item | Part No. | Ref. No.  | Description                          | Std. Pkg. |
|------|----------|-----------|---------------------------------|-----------|------|----------|-----------|--------------------------------------|-----------|
| 1.   | T-0431   | 0408-2053 | Guide Wire (=W000302609)        | 5         | NS   | T-8071   | 0408-2396 | Tip 1.6mm (=0408-2385)               | 5         |
| 2.   | T-0430   | 0408-2270 | Shroud (=0408-2267, W000302606) | 1         | 6.   | T-3565   | 0408-2534 | Electrode Hf (=0408-2404, 095482)    | 5         |
| 3.   | T-8307   | 0408-2268 | Shroud (=W000302552)            | 1         |      | T-3549   | 0408-2051 | Electrode, Zr (=W000302545)          | 5         |
| 4.   | T-8306   | 0408-2405 | Shroud (=W000302557)            | 1         | 7.   | T-8067   | 0408-2381 | Plunger Tube (=W000302554)           | 1         |
| 5.   | T-8069   | 0408-2400 | Tip 1.0mm(=0408-2261)           | 5         | 8.   | T-1829   | 0408-2056 | Torch Body, Hand CP40R (=W000142824) | 1         |
| NS   | T-8070   | 0408-2401 | Tip 1.2mm (=0408-2262)          | 5         |      |          |           |                                      |           |

## CPM-200, CPM-250, CPM-300, CPM-720

| Item | Part No. | Ref. No.  | Description                 | Std. Pkg. | Item | Part No. | Ref. No.  | Description                 | Std. Pkg. |
|------|----------|-----------|-----------------------------|-----------|------|----------|-----------|-----------------------------|-----------|
|      | T-11045  | 0408-1482 | Electrode 90-120A           | 1         |      | T-8753   | 0409-1279 | Nozzle 180A, O <sub>2</sub> | 1         |
|      | T-10022  | 0408-1283 | O-Ring D8×1,25 Nitrile      | 1         |      | T-8846   | 0409-1280 | Nozzle 240A, O <sub>2</sub> | 1         |
|      | T-8755   | 0409-2095 | Electrode H25 120-240A      | 1         |      | TN-0026  | 0409-1350 | Nozzle 320A, N <sub>2</sub> | 1         |
|      | T-8754   | 0409-2076 | Nozzle 120A, O <sub>2</sub> | 1         |      | T-8848   | 0409-1351 | Nozzle 500A, N <sub>2</sub> | 1         |
|      | T-10136  | 0409-1278 | Nozzle 150A, O <sub>2</sub> | 1         |      |          |           |                             |           |

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# OXY FUEL CUTTING

# REPLACEMENT PARTS SUITABLE FOR HARRIS® MODEL

## 6290-VVC

Description: two-piece high speed cutting tips for cutting up to 250 mm,  
gases: Oxygen – propane, natural gas.



| Ref. No.     | TMT number | Description, plate thickness | Packing | Cutting speed<br>mm/min | O <sub>2</sub> pressure (bar)<br>Preheat | O <sub>2</sub> pressure (bar)<br>Cutting | Gas pressure<br>(bar) |
|--------------|------------|------------------------------|---------|-------------------------|------------------------------------------|------------------------------------------|-----------------------|
| 6290-VVC5/0  | A-1159     | Cutting tip, 1 - 4mm         | 1pc     | 750                     | 0,4                                      | 3,0                                      | min 0,015             |
| 6290-VVC4/0  | A-1160     | Cutting tip, 4 - 6mm         | 1pc     | 700                     | 0,5                                      | 3,0                                      | min 0,015             |
| 6290-VVC3/0  | A-1161     | Cutting tip, 6 - 9mm         | 1pc     | 650                     | 0,7                                      | 5,0                                      | min 0,015             |
| 6290-VVC00   | A-1162     | Cutting tip, 9 - 12,5mm      | 1pc     | 630                     | 0,7                                      | 5,0                                      | min 0,015             |
| 6290-VVC0    | A-1163     | Cutting tip, 12,5 - 20mm     | 1pc     | 600                     | 0,7                                      | 6,0                                      | min 0,015             |
| 6290-VVC01/2 | A-1164     | Cutting tip, 20 - 35mm       | 1pc     | 550                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC1    | A-1165     | Cutting tip, 35 - 60mm       | 1pc     | 480                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC11/2 | A-1166     | Cutting tip, 60 - 75mm       | 1pc     | 310                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC2    | A-1167     | Cutting tip, 75 - 125mm      | 1pc     | 280                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC21/2 | A-1168     | Cutting tip, 125 - 150mm     | 1pc     | 200                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC3    | A-1169     | Cutting tip, 150 - 175mm     | 1pc     | 180                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC4    | A-1170     | Cutting tip, 175 - 200mm     | 1pc     | 180                     | 0,7                                      | 7,0                                      | min 0,015             |
| 6290-VVC5    | A-1171     | Cutting tip, 200 - 225mm     | 1pc     | 150                     | 0,7                                      | 6,0                                      | min 0,015             |
| 6290-VVC51/2 | A-1172     | Cutting tip, 225 - 250mm     | 1pc     | 130                     | 0,7                                      | 6,0                                      | min 0,015             |

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# REPLACEMENT PARTS SUITABLE FOR ESAB® MODEL

## IPB-300L

Description: two-piece standard cutting tip for cutting up to 300 mm, gases:  
Oxygen – propane, natural gas, mixed gases.



| Item | Ref. No.  | Part No. | Description, plate thickness                     | Packing |
|------|-----------|----------|--------------------------------------------------|---------|
| 1.   | 4.450.041 | A-1301   | Cutting Tip 6 - 15 mm                            | 1pc     |
|      | 4.450.042 | A-1271   | Cutting Tip 15 - 25 mm                           | 1pc     |
|      | 4.450.043 | A-1272   | Cutting Tip 25 - 40 mm                           | 1pc     |
|      | 4.450.044 | A-1273   | Cutting Tip 40 - 60 mm                           | 1pc     |
|      | 4.450.045 | A-1274   | Cutting Tip 60 - 100 mm                          | 1pc     |
|      | 4.450.046 | A-1286   | Cutting Tip 100 - 200 mm                         | 1pc     |
|      | 4.450.047 | A-1287   | Cutting Tip 200 - 250 mm                         | 1pc     |
|      | 4.450.048 | A-1288   | Cutting Tip 250 - 300 mm                         | 1pc     |
| 2.   | 4.450.545 | A-1278   | Heating Nozzle 3 - 200 mm                        | 1pc     |
|      | 4.450.546 | A-1289   | Heating Nozzle 200 - 300 mm                      | 1pc     |
|      | 4.450.548 | A-1290   | Heating Nozzle 250 - 300 mm for mixed gases only | 1pc     |

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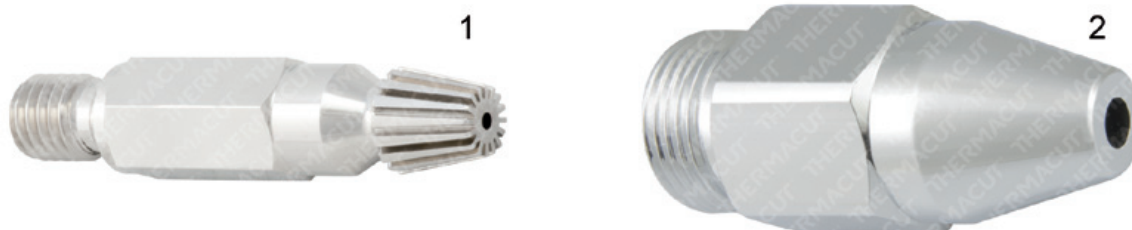
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# REPLACEMENT PARTS SUITABLE FOR MESSER® MODEL

## GRICUT® 1230-PMYF

Description: two-piece standard cutting tip for cutting up to 100 mm, gases:  
Oxygen – propane, natural gas, mixed gases.



| Item | Ref. No.  | Part No. | Description, plate thickness | Packing |
|------|-----------|----------|------------------------------|---------|
| 1.   | 716.15902 | A-1283   | Cutting Tip 7 - 15 mm        | 5pcs    |
|      | 716.15903 | A-1235   | Cutting Tip 15 - 25 mm       | 5pcs    |
|      | 716.15904 | A-1236   | Cutting Tip 25 - 40 mm       | 5pcs    |
|      | 716.15905 | A-1237   | Cutting Tip 40 - 60 mm       | 5pcs    |
|      | 716.15906 | A-1238   | Cutting Tip 60 - 100 mm      | 5pcs    |
| 2.   | 716.15900 | A-1281   | Heating Nozzle 3 - 100 mm    | 1pc     |

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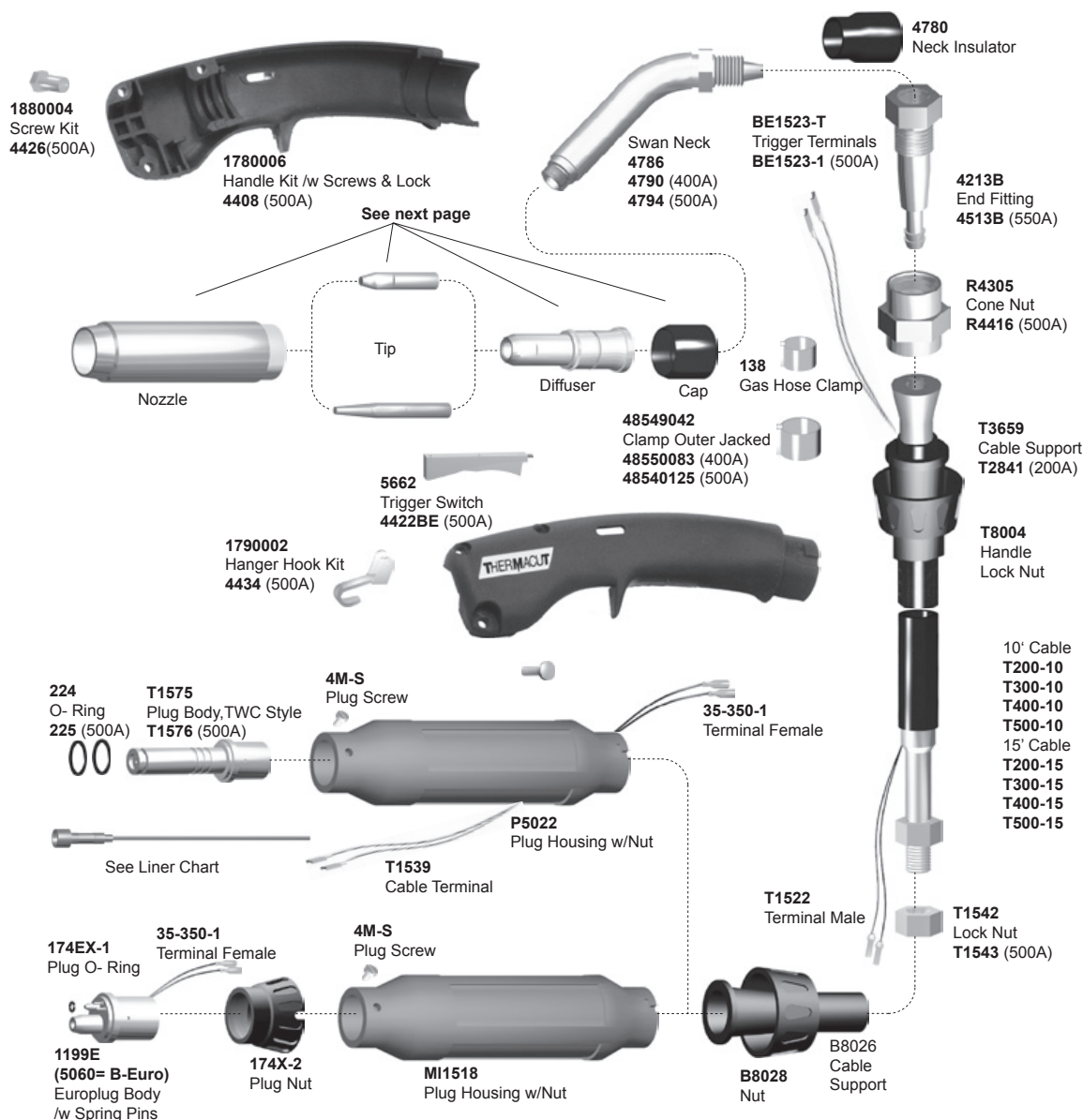


# MIG/MAG/TIG



# REPLACEMENT PARTS SUITABLE FOR BERNARD®

## 200A, 300A, 400A, 500A GUN



### GUN w/ CABLE

Gun Size 2, 3, 4, 5

**B2 xx-x-x**

Cable Length  
(10', 15')

Liner Size  
B=.023-.030(not 500A)  
E=.035-.045  
F=1/16(400A, 500A)  
H=3/32(500A)

Plug Style  
(Beu, BQ, E, Eu, H, L, M, T)  
plug details on Page 16

| Model  | Description                     |
|--------|---------------------------------|
| B515ET | 500A Gun w/ 15' Cable, TWC Plug |
| B510ET | 500A Gun w/ 10' Cable, TWC Plug |
| B415ET | 400A Gun w/ 15' Cable, TWC Plug |
| B410ET | 400A Gun w/ 10' Cable, TWC Plug |
| B315ET | 300A Gun w/ 15' Cable, TWC Plug |
| B310ET | 300A Gun w/ 10' Cable, TWC Plug |
| B215ET | 200A Gun w/ 15' Cable, TWC Plug |
| B210ET | 200A Gun w/ 10' Cable, TWC Plug |

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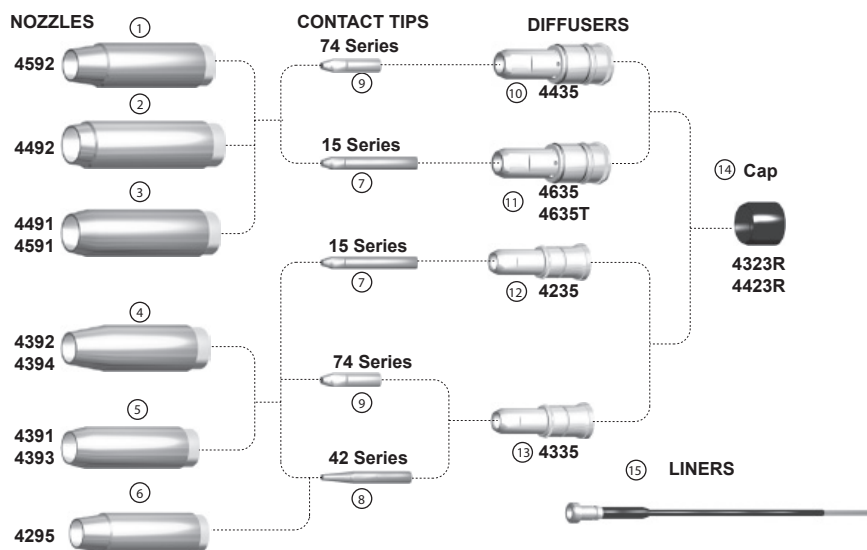
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# REPLACEMENT PARTS SUITABLE FOR BERNARD®

## 200A, 300A, 400A, 500A GUN



| Item | Part No. | Description                 | Std. Pkg | Item | Part No.           | Description                  | Std. Pkg. |
|------|----------|-----------------------------|----------|------|--------------------|------------------------------|-----------|
| 1.   | 4592     | Nozzle Copper, 1/2"         | 5        | 7490 | Contact Tip, .045  |                              | 25        |
| 2.   | 4492     | Nozzle Tapered Brass, 5/8"  | 5        | 7491 | Contact Tip, 1/16" |                              | 25        |
| 3.   | 4491     | Nozzle Brass, 3/4"          | 5        | 7492 | Contact Tip, 5/64" |                              | 25        |
|      | 4591     | Nozzle Copper, 3/4"         | 5        | 7493 | Contact Tip, 3/32" |                              | 25        |
| 4.   | 4392     | Nozzle Tapered Brass, 1/2"  | 5        | 7494 | Contact Tip, 7/64" |                              | 25        |
|      | 4394     | Nozzle Tapered Copper, 1/2" | 5        | 7495 | Contact Tip, 1/8"  |                              | 25        |
| 5.   | 4391     | Nozzle Brass, 5/8"          | 5        | 7497 | Contact Tip, .023  |                              | 25        |
|      | 4393     | Nozzle Copper, 5/8"         | 5        | 7498 | Contact Tip, .052  |                              | 25        |
| 6.   | 4295     | Nozzle Tapered Brass, 3/8"  | 5        | 10.  | 4435               | Gas Diffuser +               | 5         |
| 7.   | 1588     | Contact Tip, .030           | 25       | 11.  | 4635               | Gas Diffuser                 | 5         |
|      | 1589     | Contact Tip, .035           | 25       |      | 4635T              | TWC Conversion Head          | 5         |
|      | 1590     | Contact Tip, .045           | 25       | 12.  | 4235               | Gas Diffuser                 | 5         |
|      | 1598     | Contact Tip, .052           | 25       | 13.  | 4335               | Gas Diffuser                 | 5         |
|      | 1591     | Contact Tip, 1/16"          | 25       | 14.  | 4323R              | Cap, 200,350                 | 5         |
|      | 1592     | Contact Tip, 5/64"          | 25       |      | 4423R              | Cap, 500                     | 5         |
|      | 1593     | Contact Tip, 3/32"          | 25       | 15.  | 43015              | Liner 15', .023-.030(200A)   | 5         |
|      | 1594     | Contact Tip, 7/64"          | 25       |      | 43115              | Liner 15', .035-.045(200A)   | 5         |
|      | 1595     | Contact Tip, 1/8"           | 25       |      | 43115T             | Liner S 15', .035-.045(200A) | 10        |
| 8.   | 4284     | Contact Tip, .023           | 25       |      | 43215              | Liner 15' 1/16" (200A)       | 10        |
|      | 4285     | Contact Tip, .030           | 25       |      | 44115              | Liner 15', .035-.045         | 10        |
|      | 4281     | Contact Tip, .035           | 25       |      | 44115T             | Liner S 15', .035-.045       | 10        |
|      | 4282     | Contact Tip, .045           | 25       |      | 44215              | Liner 15', 1/16"             | 10        |
|      | 4283     | Contact Tip, .052           | 25       |      | 44215X             | Liner Alu 15', 1/16"         | 10        |
|      | 4280     | Contact Tip, 1/16"          | 25       |      | 44315              | Liner S 15', 5/64" (500A)    | 10        |
| 9.   | 7488     | Contact Tip, .030           | 25       |      | 45415              | Liner S 15', 3/32" (500A)    | 10        |
|      | 7489     | Contact Tip, .035           | 25       |      |                    |                              |           |

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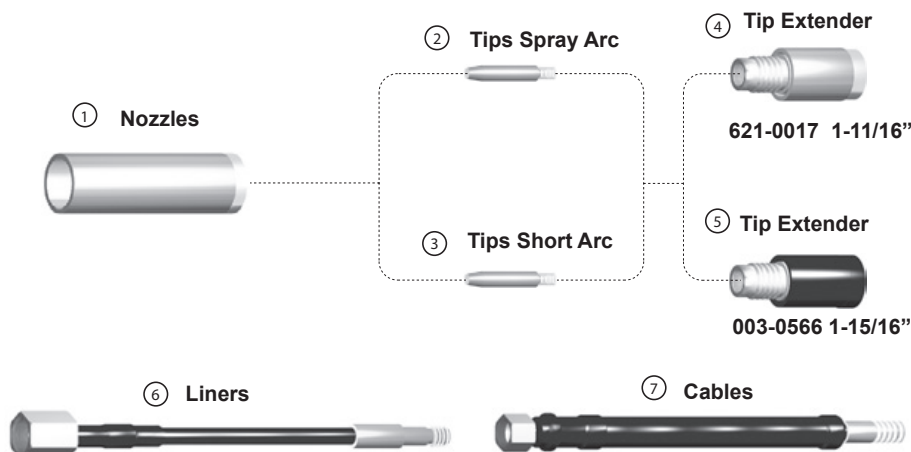
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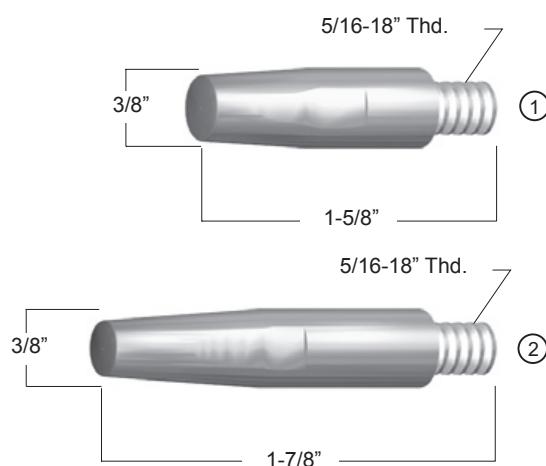
## COBRA AND PRINCE GUNS



| Item | Part No. | Description                    | Std. Pkg. | Item | Part No. | Description              | Std. Pkg. |
|------|----------|--------------------------------|-----------|------|----------|--------------------------|-----------|
|      | 001-0137 | Nozzle #6, 3/8                 | 10        |      | 621-0326 | Contact Tip, .030        | 25        |
|      | 001-0138 | Nozzle #8, 1/2                 | 10        |      | 621-0017 | Tip Extender 1 - 11/16   | 25        |
|      | 001-139  | Nozzle #10, 5/8                | 10        |      | 003-0566 | Tip Extender 1 - 15/16   | 25        |
|      | 621-0001 | Contact Tip, .035(Tip ID .044) | 25        |      | 001-0007 | Liner 15', .030 -1/16    | 10        |
|      | 621-0003 | Contact Tip, .045(Tip ID .060) | 25        |      | 001-0008 | Liner 25', .030 -1/16    | 10        |
|      | 621-0075 | Contact Tip, 1/16(Tip ID .073) | 25        |      | 001-0563 | Liner 30', .030 -1/16    | 10        |
|      | 621-0076 | Contact Tip, .030(Tip ID .040) | 25        |      | 615-0055 | Liner PTFE 5 3/4, Short  | 10        |
|      | 621-0153 | Contact Tip, 1/16(Tip ID .085) | 25        |      | 615-0058 | Liner PTFE 6 3/4, Medium | 10        |
|      | 621-0325 | Contact Tip, .030(Tip ID .036) | 25        |      | 001-0149 | Power/Water Cable 15'    | 10        |
|      | 621-0327 | Contact Tip, .045(Tip ID .053) | 25        |      | 001-0150 | Power/Water Cable 25'    | 1         |
|      | 621-0002 | Contact Tip, .035(Tip ID .044) | 25        |      | 001-0177 | Power/Water Cable 30'    | 1         |
|      | 621-0077 | Contact Tip, .030(Tip ID .040) | 25        |      | 003-0302 | Trigger w/Sleeve Assy.   | 1         |
|      | 621-0154 | Contact Tip, 1/16(Tip ID .085) | 25        |      | 161-0002 | Limit Switch             | 1         |
|      | 621-0286 | Contact Tip, .052(Tip ID .060) | 25        |      |          |                          |           |

## KING COBRA GUNS

| Item | Part No. | Description                     | Std. Pkg. |
|------|----------|---------------------------------|-----------|
| 1.   | 621-0157 | Contact Tip, .035               | 25        |
|      | 621-0161 | Contact Tip, .045-3/64          | 25        |
|      | 621-0162 | Contact Tip, 3/94(Tip ID .060)  | 25        |
|      | 621-0163 | Contact Tip, 1/16(Tip ID .075)  | 25        |
|      | 621-0164 | Contact Tip, .1/16(Tip ID .085) | 25        |
| 2.   | 621-0166 | Contact Tip, .035               | 25        |
|      | 621-0167 | Contact Tip, .045-3/64          | 25        |
|      | 621-0168 | Contact Tip, 3/64-.052          | 25        |
|      | 621-0169 | Contact Tip, 1/16               | 25        |
| NS   | 615-0007 | Liner, 15'                      | 10        |
|      | 615-0008 | Liner, 25'                      | 10        |
|      | 615-0055 | Liner, PTFE 5 3/4 Short         | 10        |
|      | 615-0058 | Liner, PTFE 6 3/4 Medium        | 10        |



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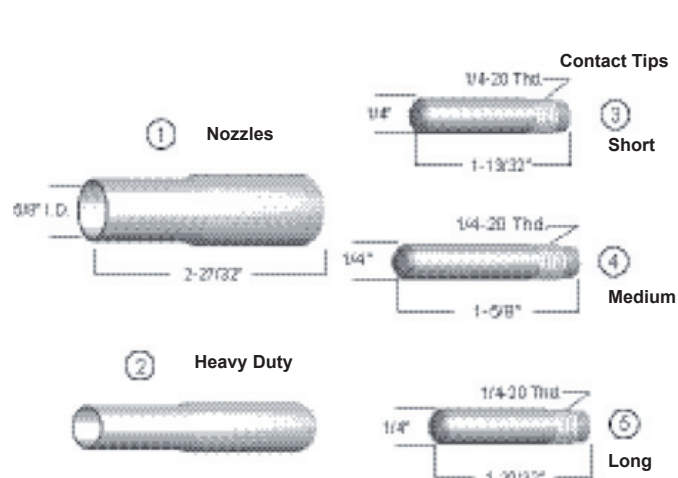
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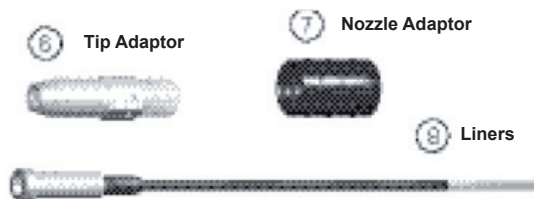


# REPLACEMENT PARTS SUITABLE FOR ESAB®

## GAS COOLED GUNS MT-150/200/400, ST23A & 41A



| Item | Part No | Description          | Std. Pkg |
|------|---------|----------------------|----------|
| 1.   | 998893  | Nozzle, 1/2", #8     | 5        |
|      | 998894  | Nozzle, 5/8", #10    | 5        |
|      | 998895  | Nozzle, 3/8", #6     | 5        |
|      | 999472  | Nozzle, 5/8" HD, #10 | 5        |
|      | 999473  | Nozzle, 3/4" HD, #10 | 5        |



| Item | Part No | Description                 | Std. Pkg |
|------|---------|-----------------------------|----------|
| 3.   | 2075230 | Contact Tip 5/64" Cored     | 25       |
|      | 948340  | Contact Tip .052 Cored      | 25       |
|      | 948341  | Contact Tip 1/16" Cored     | 25       |
|      | 999578  | Contact Tip .045-3/64 Cored | 25       |
| 4.   | 20544   | Contact Tip .030 Hard       | 25       |
|      | 2075349 | Contact Tip .052 Hard       | 25       |
|      | 996995  | Contact Tip .035 Hard       | 25       |
|      | 996997  | Contact Tip 1/16" Hard      | 25       |
|      | 996999  | Contact Tip 3/64" Hard      | 25       |
| 5.   | 996994  | Contact Tip .030 Hard       | 25       |
|      | 996996  | Contact Tip .035 Hard       | 25       |
|      | 996998  | Contact Tip 3/64" Hard      | 25       |
|      | 999742  | Contact Tip .023 Hard       | 25       |
| 6.   | 17983   | Tip Adaptor                 | 5        |
| 7.   | 999452  | Nozzle Adaptor              | 5        |
| 8.   | 2075238 | Liner S 15', .035-.045      | 10       |

## WATER COOLED GUNS ST16/21 & 41

| Item | Part No | Description                  | Std. Pkg |
|------|---------|------------------------------|----------|
| 1.   | 632795  | Contact Tip, .035            | 25       |
| NS   | 632796  | Contact Tip, .045, 1-3/4" Lg | 25       |
| NS   | 598721  | Nozzle #10 ST16/21           | 5        |
| NS   | 598739  | Nozzle #8 ST16/21            | 5        |
| NS   | 632811  | Collet Nut ST16/21           | 1        |
| NS   | 632797  | Contact Tip 1/16"            | 25       |

## MISCELLANEOUS

| Item | Part No   | Description           | Std. Pkg |
|------|-----------|-----------------------|----------|
| 1.   | 61N39     | Contact Tip 1/8"      | 25       |
|      | 2360-0300 | Contact Tip 1/16"     | 25       |
|      | 2360-2115 | Contact Tip .035-.047 | 25       |

## GUNMASTER 250™

| Item | Part No     | Description               | Std. Pkg |
|------|-------------|---------------------------|----------|
| NS   | 0558001599* | Nozzle 5/8 HD 1/8" Recess | 2        |
| NS   | 0558001608* | Tip Adaptor               | 2        |
| NS   | 0558001611* | Nozzle 1/2 Std Flush (2)  | 2        |
| NS   | 0558001888  | Nozzle Retainer           | 5        |
| NS   | 37032*      | Liner .035-.045, 15'      | 1        |
| NS   | 948835*     | Contact Tip Mt HD 1/16s   | 5        |
| NS   | 952669*     | Switch Assembly           | 1        |
| NS   | 952755      | Shock Washer              | 5        |
| NS   | 598721      | Nozzle #10 St16/21        | 5        |
| NS   | 598739      | Nozzle #8 St16/21         | 5        |
| NS   | 632811      | Collet Nut St16/21        | 1        |
| NS   | 2360-0300   | Contact Tip 1/16          | 25       |
| NS   | 2360-2115   | Contact Tip .035-.047     | 25       |

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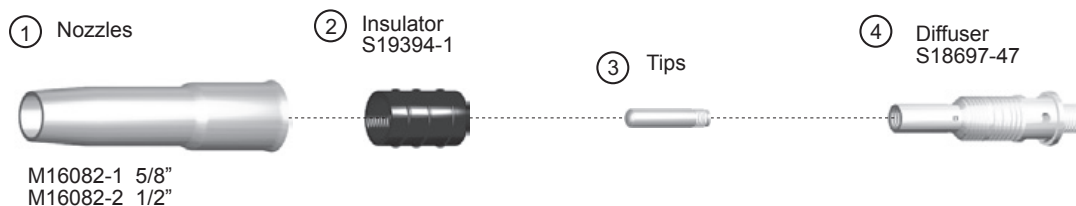
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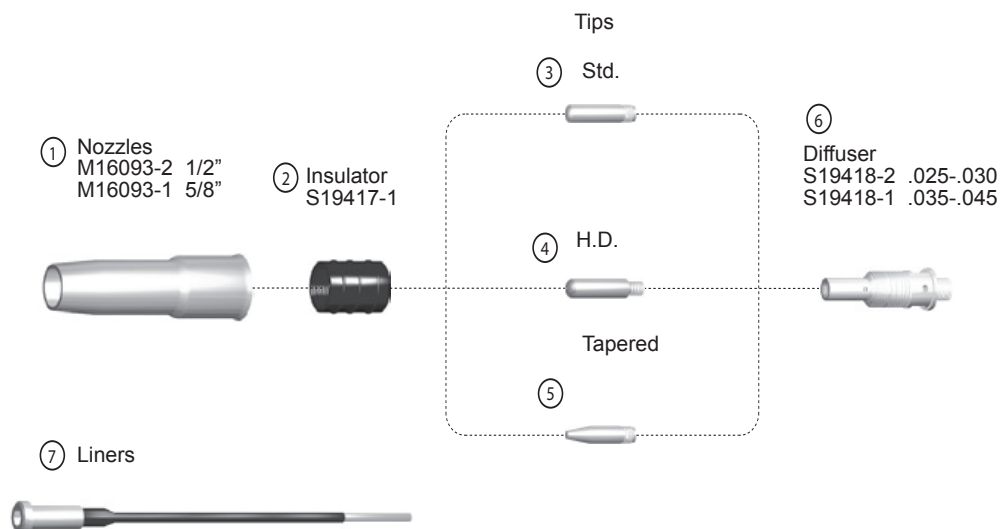
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# REPLACEMENT PARTS SUITABLE FOR LINCOLN®

## MAGNUM® SPOOL GUN



| Item | Part No   | Description                     | Std. Pkg |
|------|-----------|---------------------------------|----------|
| 1.   | M16082-1  | Nozzle Adjustable, Slip-On 5/8" | 5        |
|      | M16082-2  | Nozzle Adjustable, Slip-On 1/2" | 5        |
| 2.   | S19394-1  | Nozzle Insulator                | 5        |
| 3.   | S18697-44 | Contact Tip, Notched, .030      | 25       |
|      | S18697-45 | Contact Tip, Notched, .035      | 25       |
|      | S18697-46 | Contact Tip, Notched, 3/64"     | 25       |
|      | S18697-52 | Contact Tip, .023               | 25       |
| 4.   | S18697-47 | Gas Diffuser                    | 5        |



| Item | Part No  | Description         | Std. Pkg | Item | Part No. | Description               | Std. Pkg. |
|------|----------|---------------------|----------|------|----------|---------------------------|-----------|
| 1.   | M16093-1 | Nozzle, 5/8"        | 5        | 5.   | S19393-1 | Contact Tip .035, Tapered | 25        |
|      | M16093-2 | Nozzle, 1/2"        | 5        |      | S19393-2 | Contact Tip .045, Tapered | 25        |
| 2.   | S19417-1 | Insulator 200       | 5        |      | S19393-5 | Contact Tip .025, Tapered | 25        |
| 3.   | S19391-6 | Contact Tip .025    | 25       |      | S19393-6 | Contact Tip .030, Tapered | 25        |
|      | S19391-8 | Contact Tip .040    | 25       |      | S19393-7 | Contact Tip .040, Tapered | 25        |
| 4.   | S19392-1 | Contact Tip .035 HD | 25       | 6.   | S19418-1 | Diffuser .025-.030        | 5         |
|      | S19392-2 | Contact Tip .045 HD | 25       |      | S19418-2 | Diffuser .035-.045        | 5         |
|      | S19392-6 | Contact Tip .040 HD | 25       | 7.   | M16087-2 | Liner 15', .025-.030      | 10        |

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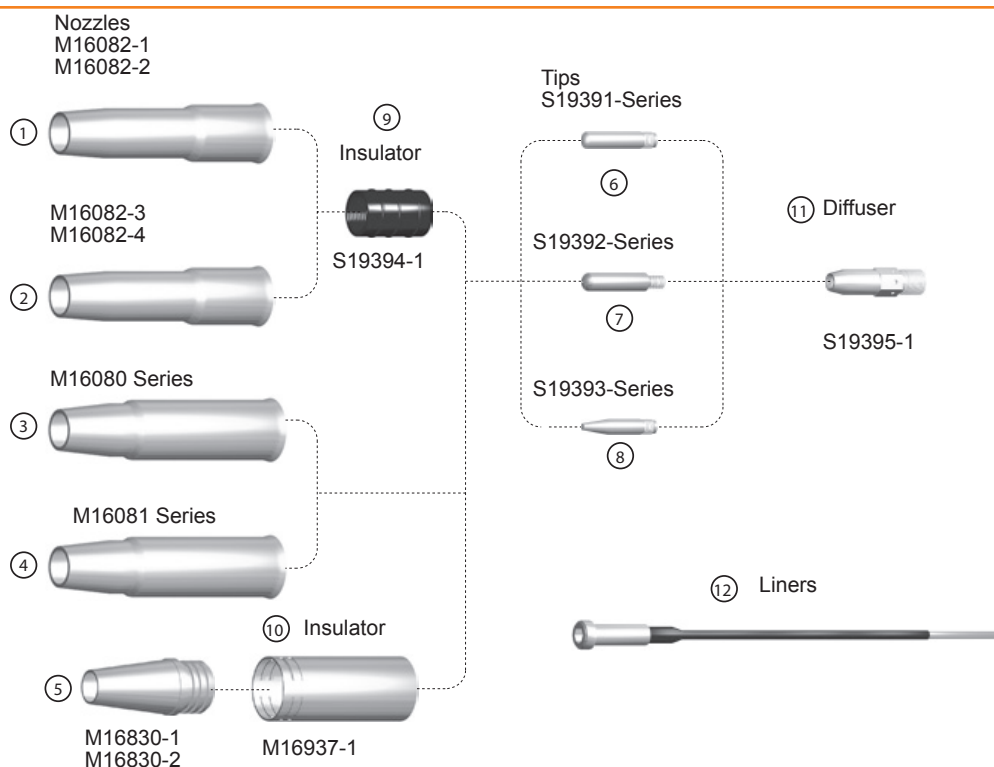
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# REPLACEMENT PARTS SUITABLE FOR LINCOLN®

## MAGNUM® 300 & 400 GUNS



| Item | Part No. | Description                      | Std. Pkg. | Item | Part No. | Description                 | Std. Pkg. |
|------|----------|----------------------------------|-----------|------|----------|-----------------------------|-----------|
| 1.   | M16082-1 | Nozzle, Adj. Slip-On 5/8"        | 5         |      | S19392-3 | Contact Tip .052 HD         | 25        |
|      | M16082-2 | Nozzle, Adj. Slip-On 5/8"        | 5         |      | S19392-4 | Contact Tip 1/16" HD        | 25        |
| 2.   | M16082-3 | Nozzle, Adj. Slip-On 5/8" Recess | 5         |      | S19392-5 | Contact Tip 5/64" HD        | 25        |
|      | M16082-4 | Nozzle, Adj. Slip-On 5/8" Recess | 5         |      | S19392-6 | Contact Tip .040 HD         | 25        |
| 3.   | M16080-1 | Nozzle 3/8" Insul., 1/8" Recess  | 5         | 8.   | S19393-1 | Contact Tip .035 Tapered    | 25        |
|      | M16080-2 | Nozzle 1/2" Insul., 1/8" Recess  | 5         |      | S19393-2 | Contact Tip .045 Tapered    | 25        |
|      | M16080-3 | Nozzle 5/8" Insul., 1/8" Recess  | 5         |      | S19393-3 | Contact Tip .052 Tapered    | 25        |
|      | M16080-4 | Nozzle 3/4" Insul., 1/8" Recess  | 5         |      | S19393-4 | Contact Tip 1/16 Tapered    | 25        |
| 4.   | M16081-1 | Nozzle, 3/8" Flush               | 5         |      | S19393-5 | Contact Tip .025 Tapered    | 25        |
|      | M16081-2 | Nozzle, 1/2" Flush               | 5         |      | S19393-6 | Contact Tip .030 Tapered    | 25        |
|      | M16081-3 | Nozzle, 5/8" Flush               | 5         |      | S19393-7 | Contact Tip .040 Tapered    | 25        |
|      | M16081-4 | Nozzle, 3/4" Flush               | 5         | 9.   | S19394-1 | Nozzle Insulator            | 5         |
| 5.   | M16830-1 | Nozzle 5/8" Course, 1/8" Recess  | 5         | 10.  | M16937-1 | Insulator                   | 5         |
|      | M16830-2 | Nozzle 3/4" Course, 1/8" Recess  | 5         | 11.  | S19395-1 | Diffuser, 330/400           | 5         |
|      | M16830-3 | Nozzle 5/8" Course, #2,3,4       | 5         | 12.  | M16083-1 | Liner Assy. 15' .035 - .045 | 10        |
| 6.   | S19391-3 | Contact Tip .052                 | 25        |      | M16083-2 | Liner Assy. 15' 1/16"       | 10        |
|      | S19391-4 | Contact Tip 1/16"                | 25        |      | M16083-3 | Liner Assy. 15' 5/64"       | 10        |
|      | S19391-5 | Contact Tip 5/64"                | 25        |      | M16083-7 | Liner Assy. 25' .035 - .045 | 10        |
|      | S19391-6 | Contact Tip .025                 | 25        |      | M16083-8 | Liner Assy. 25' 1/16"       | 10        |
|      | S19391-8 | Contact Tip .040                 | 25        |      | M16083-9 | Liner Assy. 25' 5/64"       | 10        |
| 7.   | S19392-1 | Contact Tip .035 HD              | 25        |      |          |                             | 10        |
|      | S19392-2 | Contact Tip .045 HD              | 25        |      |          |                             | 10        |

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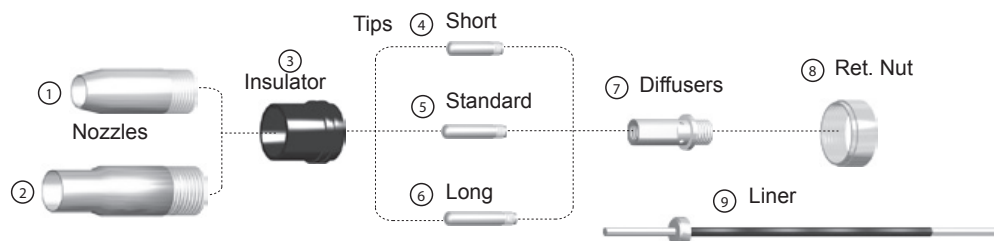
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# REPLACEMENT PARTS SUITABLE FOR MILLER®



## AIR COOLED GA-17C 170 AMP GUN

| Item | Part No. | Description          | Std. Pkg. | Item | Part No. | Description            | Std. Pkg. |
|------|----------|----------------------|-----------|------|----------|------------------------|-----------|
| 1.   | 128-535  | Nozzle 9/16          | 5         |      | 087-299  | Contact Tip .025       | 25        |
| NS   | 118-267  | Contact Tube Adaptor | 5         | 5.   | 054-202  | Contact Tip .035       | 25        |
| 4.   | 000-067  | Contact Tip .030     | 25        |      | 071-825  | Contact Tip .030, Long | 25        |
|      | 000-068  | Contact Tip .035     | 25        |      |          |                        |           |

## AIR COOLED GA-17C 170 AMP GUN

| Item | Part No. | Description           | Std. Pkg. | Item | Part No. | Description           | Std. Pkg. |
|------|----------|-----------------------|-----------|------|----------|-----------------------|-----------|
|      | 049-099  | Nozzle 1/2            | 5         |      | 054-202  | Contact Tip .035      | 25        |
| 2.   | 049-929  | Nozzle 5/8            | 5         |      | 071-825  | Contact Tip .030 Long | 25        |
| 3.5. | 082-241  | Insulator             | 5         |      | 087-300  | Contact Tip .025 Long | 25        |
|      | 000-067  | Contact Tip .030      | 4         | 7.   | 146-425  | Diffuser .030 -.045   | 5         |
|      | 000-068  | Contact Tip .035      | 25        |      | 146-426  | Diffuser .023 -.025   | 5         |
|      | 000-069  | Contact Tip .045      | 25        | 8.   | 082-063  | Nut, Retaining        | 1         |
|      | 087-299  | Contact Tip .025      | 25        | 9.   | 083-891  | Liner S 15', .045     | 1         |
| 6.   | 054-201  | Contact Tip .045 Long | 25        |      | 083-885  | Liner 15', .030 -.035 | 1         |

## AIR COOLED GA-21/CM GUN

| Item | Part No. | Description           | Std. Pkg. | Item | Part No. | Description           | Std. Pkg. |
|------|----------|-----------------------|-----------|------|----------|-----------------------|-----------|
| 2.   | 149-146  | Nozzle 5/8"           | 5         |      | 054-183  | Contact Tip .035 Long | 25        |
| 3.   | 082-241  | Insulator             | 5         |      | 149-150  | Contact Tip .025 Long | 25        |
| 5.   | 054-201  | Contact Tip .045 Long | 5         | 7.   | 146-425  | Diffuser .030 -.045   | 25        |
|      | 054-202  | Contact Tip .035      | 4         |      | 146-426  | Diffuser .023 -.025   | 5         |
|      | 071-825  | Contact Tip .030 Long | 25        | 8.   | 082-063  | Nut, Retaining        | 5         |
| NS   | 087-300  | Contact Tip .025 Long | 25        | NS   | 000-069  | Contact Tip .045      | 1         |
| NS   | 000-068  | Contact Tip .030      | 25        | NS   | 087-299  | Contact Tip .025      | 25        |
| 6.   | 054-157  | Contact Tip .045 Long | 25        |      |          |                       |           |

## AIR COOLED GA-21/CM GUN

| Item | Part No. | Description            | Std. Pkg. | Item | Part No. | Description            | Std. Pkg. |
|------|----------|------------------------|-----------|------|----------|------------------------|-----------|
| 1.   | 071-214  | Nozzle 3/8"            | 5         | 5.   | 054-157  | Contact Tip .045 Flush | 25        |
| 2.   | 045-638  | Nozzle 13/16"          |           |      | 054-183  | Contact Tip .035 Flush | 25        |
| 3.   | 094-986  | Insulator              | 4         |      | 057-730  | Contact Tip .052 Flush | 25        |
| 4.   | 044-006  | Contact Tip .052 Short | 25        | 7.   | 094-985  | Diffuser .030-.045     | 5         |
|      | 054-201  | Contact Tip .045 Short | 25        |      | 109-805  | Diffuser 3/4" Al       | 5         |
|      | 054-202  | Contact Tip .035 Short | 25        | 8.   | 047-603  | Nut, Retaining         | 5         |

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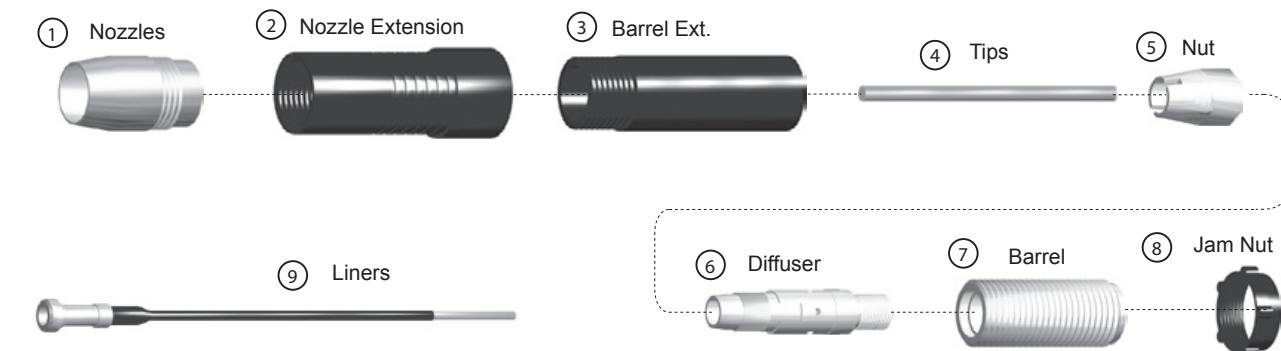
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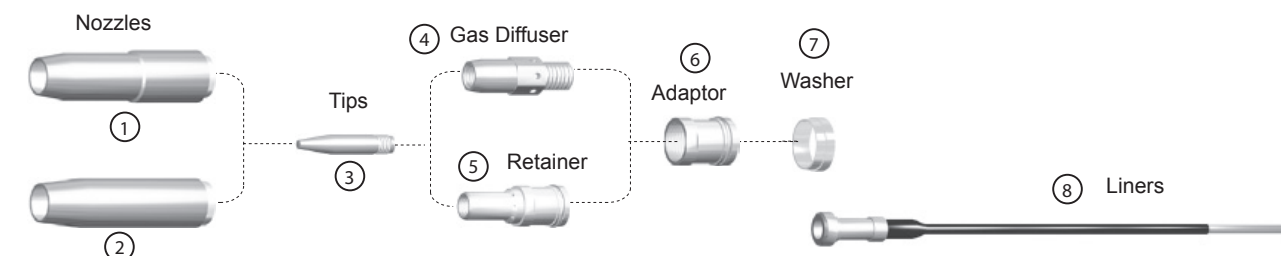
# REPLACEMENT PARTS SUITABLE FOR MILLER®

## SPOOLMATIC® 1, 2, 3 GUNS



| Item | Part No. | Description                   | Std. Pkg. | Item       | Part No.                    | Description | Std. Pkg. |
|------|----------|-------------------------------|-----------|------------|-----------------------------|-------------|-----------|
| 1.   | 050-115  | Nozzle 1/2"                   | 5         | 147-314    | Contact Tip .035            |             | 25        |
|      | 050-622  | Nozzle 5/8"                   | 5         | 135-428    | Contact Tip .030            |             | 25        |
| 2.   | 053-784  | Nozzle Extension              | 5         | 135-429    | Contact Tip .047            |             | 25        |
| 4.   | 135-425  | Contact Tip .062              | 25        | 135-430    | Contact Tip .035            |             | 25        |
|      | 135-424  | Contact Tip .047              | 25        | 5. 058-676 | Brass Nut                   |             | 25        |
|      | 050-637  | Contact Tip 1/16" 4 Long Bent | 25        | 6. 058-678 | Contact Tip Adaptor         |             | 5         |
|      | 050-638  | Contact Tip .030              | 25        | 7. 009-541 | Barrel Adaptor              |             | 5         |
|      | 094-259  | Contact Tip .035              | 25        | 8. 058-685 | Brass Jam Nut               |             | 5         |
|      | 094-260  | Contact Tip 3/64"             | 25        | 9. 136-682 | Liner, PTFE .023-.035 7" Lg |             | 10        |
|      | 050-626  | Contact Tip 3/64"             | 25        | 136-683    | Liner, PTFE .045 7" Lg      |             | 10        |
|      | 135-426  | Contact Tip .062              | 25        |            |                             |             |           |

## M15, M25/25M, M40/40AL GUNS



| Item | Part No | Description                 | Std. Pkg | Item | Part No. | Description           | Std. Pkg. |
|------|---------|-----------------------------|----------|------|----------|-----------------------|-----------|
| 1.   | 169-715 | Nozzle 1/2" Flush           | 5        |      | 172-025  | Contact Tip 5/64" SCR | 25        |
| 2.   | 169-724 | Nozzle 1/2", 1/8 Recess     | 5        |      | 172-034  | Contact Tip 3-64" SCR | 25        |
|      | 169-725 | Nozzle 5/8", 1/8 Recess     | 5        | 4.   | 169-728  | Gas Diffuser          | 5         |
|      | 169-726 | Nozzle 5/8", Flush          | 5        | 5.   | 169-716  | Retainer              | 5         |
|      | 169-727 | Nozzle 5/8", 1/8" Stick-Out | 5        | 6.   | 169-729  | Nozzle Adaptor        | 5         |
| 3.   | 000-067 | Contact Tip .030            | 25       | 7.   | 169-730  | Shock Washer          | 5         |
|      | 000-068 | Contact Tip .035            | 25       | 8.   | 172-258  | Liner 15', .030-035   | 10        |
|      | 000-069 | Contact Tip .045            | 25       |      | 172-259  | Liner 15', .035-045   | 10        |
|      | 087-299 | Contact Tip .025            | 25       |      | 172-260  | Liner 15', 1/16-5/64" | 10        |
|      | 172-024 | Contact Tip 1/16" SCR       | 25       |      | 172-261  | Liner 15', 3-64" Alu  | 10        |

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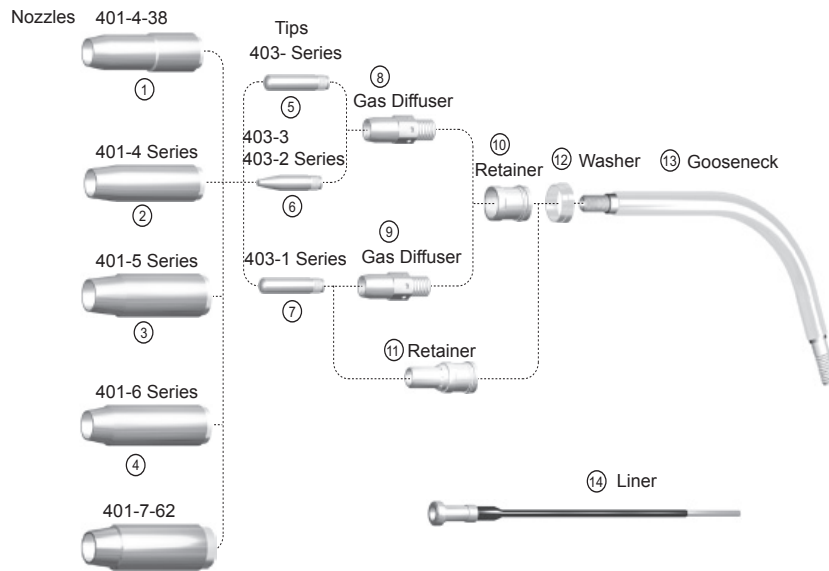
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# REPLACEMENT PARTS SUITABLE FOR TREGASKISS®

## TOUGH GUN® 200, 300, 400, 500



| Item | Part No.  | Description                        | Std. Pkg. | Item      | Part No.             | Description               | Std. Pkg. |
|------|-----------|------------------------------------|-----------|-----------|----------------------|---------------------------|-----------|
| 1.   | 401-4-38  | Nozzle Insul. 3/8", Flush          | 5         | 403-1-40  | Contact Tip .040" HD | 25                        |           |
| 2.   | 401-4-50  | Nozzle Insul. 1/2", 1/8" Recess    | 5         | 403-1-45  | Contact Tip .045" HD | 25                        |           |
|      | 401-4-62  | Nozzle Insul. 5/8", 1/8" Recess    | 5         | 403-1-52  | Contact Tip .052" HD | 25                        |           |
|      | 401-4-75  | Nozzle Insul. 3/4", 1/8" Recess    | 5         | 403-1-564 | Contact Tip 5/64" HD | 25                        |           |
| 4.   | 401-7-62  | Nozzle HD Insul. 3/4", 1/8" Recess | 5         | 8.        | 404                  | Gas Diffuser              | 5         |
|      | 401-6-75  | Nozzle 5/8"                        | 5         |           | 404-10               | Gas Diffuser              | 5         |
|      | 401-6-62  | Nozzle HD Insul. 5/8", 1/8" Recess | 5         | 9.        | 404-1                | Gas Diffuser HD           | 5         |
| NS   | 451-1-62  | Nozzle 5/8" HD                     | 5         | 10.       | 402-3                | Nozzle Retaining Ring     | 5         |
| 5.   | 403-45    | Contact Tip .045                   | 25        | 11.       | 402-4                | Retaining Ring            | 5         |
|      | 403-1.0   | Contact Tip .040                   | 25        |           | 404-3                | Retainer                  | 5         |
|      | 403-116   | Contact Tip 1/16                   | 25        |           | 404-13               | Retaining Head w/Setscrew | 5         |
|      | 403-23    | Contact Tip .023                   | 25        | 12.       | 402-5                | Shock Washer HD           | 5         |
|      | 403-30    | Contact Tip .030                   | 25        |           | 402-7                | Shock Washer              | 5         |
|      | 403-35    | Contact Tip .035                   | 25        | 13.       | 205-60               | Gooseneck 200A            | 1         |
| 6.   | 403-3-35  | Contact Tip HD Tapered .035        | 25        |           | 305-60               | Gooseneck 300A            | 1         |
|      | 403-2-52  | Contact Tip Tapered .052           | 25        |           | 405-45               | Gooseneck 400A            | 1         |
|      | 403-52    | Contact Tip .052                   | 25        |           | 405-60               | Gooseneck 400A            | 1         |
|      | 403-2-30  | Contact Tip Tapered .030           | 25        |           | 505-60               | Gooseneck 500A            | 1         |
|      | 403-2-35  | Contact Tip Tapered .050           | 25        | 14.       | 415-116-15           | Liner 15', .045 -1/16     | 10        |
|      | 403-2-45  | Contact Tip Tapered .045           | 25        |           | 415-116-25           | Liner 25', .045 -1/16     | 10        |
| 7.   | 403-1-35  | Contact Tip .035 HD                | 25        |           | 415-332-15           | Liner 15', 3/32"          | 10        |
|      | 403-1-332 | Contact Tip 3/32" HD               | 25        |           | 415-332-25           | Liner 25', 3/32"          | 10        |
|      | 403-3-45  | Contact Tip HD Tapered .045        | 25        |           | 415-35-15            | Liner 15', .035           | 10        |
|      | 403-1-116 | Contact Tip 1/16" HD               | 25        |           | 415-35-25            | Liner 25', .035           | 10        |
|      | 403-1-364 | Contact Tip 3/64" HD               | 25        |           |                      |                           |           |

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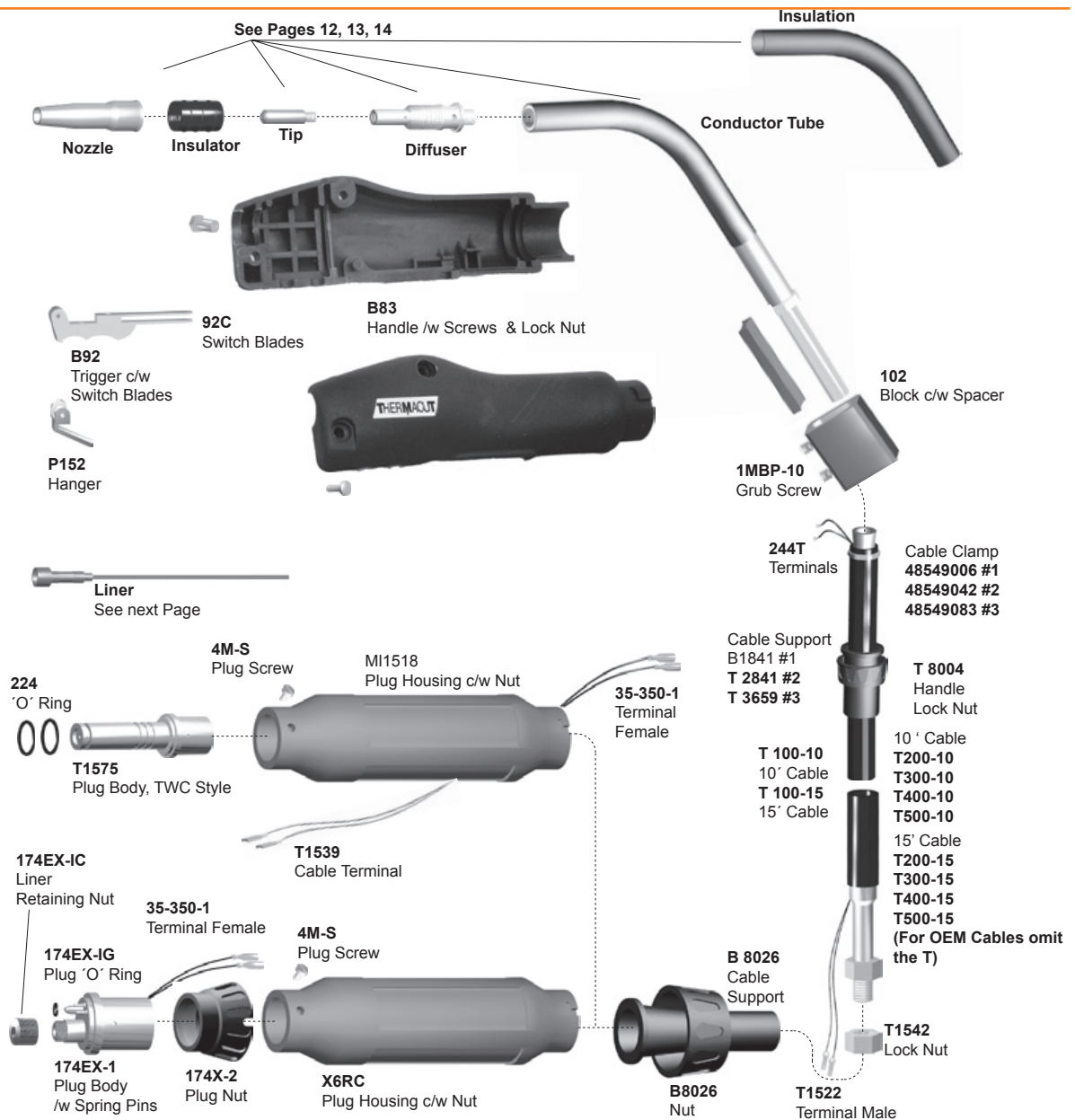
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## #1, #2 and #3 GUNS



### GUN w/ CABLE

Gun Size 1,2,3

**TX xx-x-x**

Cable Length (10', 15')

Liner Size  
A=.023  
B=.030-.035  
C=.040-.045  
E=.035-.045  
F= 1/16  
G= 5/64

Plug Style  
(Beu, BQ, E, Eu, H, L, M, T)  
plug details on Page 16

| Model  | Description                   |
|--------|-------------------------------|
| T110BT | #1 Gun w/ 10' Cable, TWC Plug |
| T115BT | #1 Gun w/ 15' Cable, TWC Plug |
| T210BT | #2 Gun w/ 10' Cable, TWC Plug |
| T215BT | #2 Gun w/ 15' Cable, TWC Plug |
| T225BT | #2 Gun w/ 25' Cable, TWC Plug |
| T310BT | #3 Gun w/ 10' Cable, TWC Plug |
| T315BT | #3 Gun w/ 15' Cable, TWC Plug |
| T325BT | #3 Gun w/ 25' Cable, TWC Plug |

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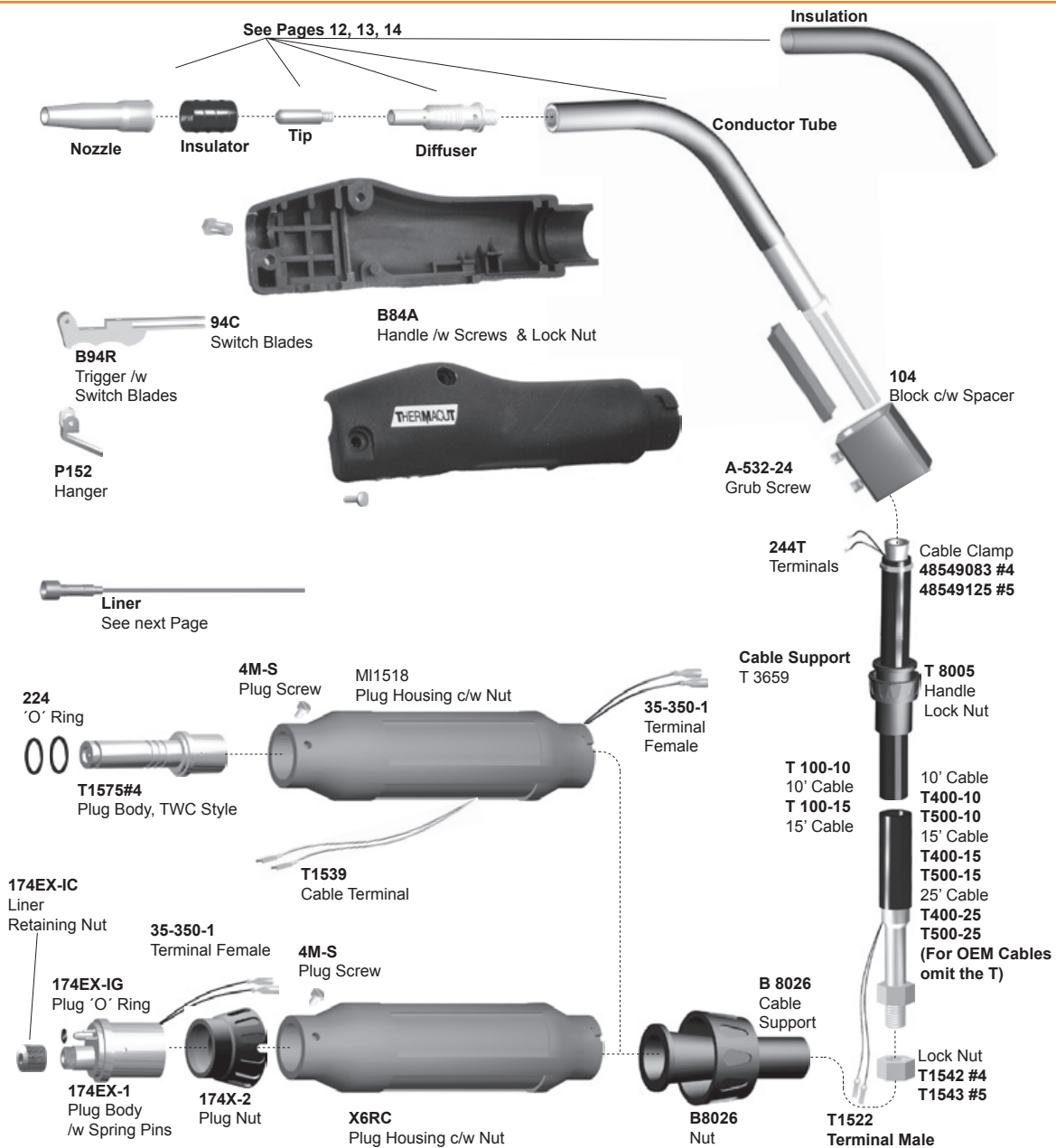
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## #4 AND #5 GUNS



### GUN w/ CABLE

Gun Size 4 or 5

**TX xx-x-x**

Cable Length (10', 15')

Plug Style (Beu, BQ, E, Eu, H, L, M, T) plug details on Page 16

Liner Size  
E= .035-.045  
F= 1/16  
G= 5/64  
H= 3-32  
I/64

| Model  | Description                   |
|--------|-------------------------------|
| T410ET | #4 Gun w/ 10' Cable, TWC Plug |
| T415ET | #4 Gun w/ 15' Cable, TWC Plug |
| T425ET | #4 Gun w/ 10' Cable, TWC Plug |
| T510ET | #5 Gun w/ 10' Cable, TWC Plug |
| T515FT | #5 Gun w/ 15' Cable, TWC Plug |
| T525FT | #5 Gun w/ 25' Cable, TWC Plug |

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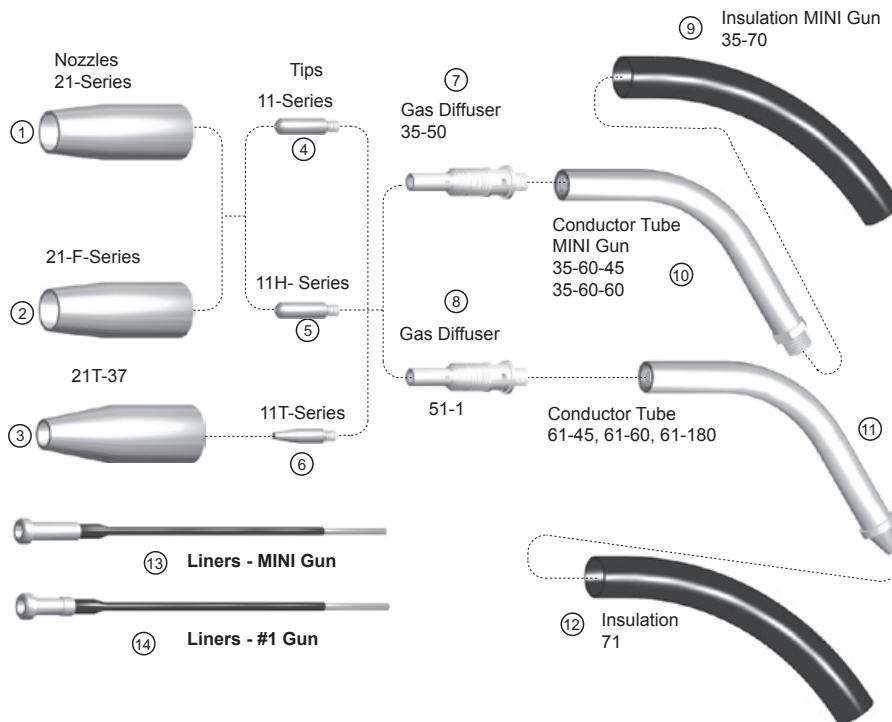
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## MINI & #1 GUNS



| Item | Part No. | Description                  | Std. Pkg. | Item | Part No.   | Description                | Std. Pkg. |
|------|----------|------------------------------|-----------|------|------------|----------------------------|-----------|
| 1.   | 21-37    | Nozzle 3/8" Insulated        | 5         |      | 51-23      | Gas Diffuser,#1 .023 MINI  | 5         |
|      | 21-50    | Nozzle 1/2" Insulated        | 5         | 9.   | 35-70      | Insulation, Mini           | 5         |
|      | 21-62    | Nozzle 5/8" Insulated        | 5         | 10.  | 35-60-45   | Conductor Tube 60/45°      | 5         |
| 2.   | 21-50F   | Nozzle Flush 1/2", Insulated | 5         |      | 35-60-60   | Conductor Tube 60/60°      | 5         |
|      | 21-62F   | Nozzle Flush 5/8", Insulated | 5         | 11.  | 61-180     | Conductor Tube 180°        | 5         |
| 3.   | 21T37    | Nozzle Taper, 1/8" Recess    | 5         |      | 61-45      | Conductor Tube 45°         | 5         |
| 4.   | 11-45    | Contact Tip .045             | 5         |      | 61-60      | Conductor Tube 60°         | 5         |
|      | 11-23    | Contact Tip .023             | 5         | 12.  | 71         | Insulation #1 Gun          | 10        |
|      | 11-30    | Contact Tip .030             | 5         | 13.  | 42-23-15   | Liner 15', .023            | 10        |
|      | 11-35    | Contact Tip .035             | 25        |      | 42-3035-15 | Liner 15', .030 -.035      | 10        |
|      | 11-40    | Contact Tip .040             | 25        |      | 42-3035-25 | Liner 25', .030 -.035      | 10        |
| 5.   | 11H45    | Contact Tip HD .045          | 25        |      | 42-4045-15 | Liner 15', .040 -.045      | 10        |
|      | 11AH364  | Contact Tip HD 3/64" Alu     | 25        |      | 42-4045-25 | Liner 25', .040 -.045      | 10        |
|      | 11H35    | Contact Tip HD .035          | 25        |      | 42N3545-15 | Liner Nylon 15' .035 -.045 | 10        |
| 6.   | 11T45    | Contact Tip .045, Tapered    | 25        | 14.  | 23-40-15   | Liner 15' .023             | 10        |
|      | 11T23    | Contact Tip .023, Tapered    | 25        |      | 35-40-15   | Liner 15' .030 -.035       | 10        |
|      | 11T30    | Contact Tip .030, Tapered    | 25        |      | 35TF-40-10 | Liner 15' PTFE 10' .035    | 10        |
|      | 11T35    | Contact Tip .035, Tapered    | 25        |      | 45-40-15   | Liner 15', .045            | 10        |
|      | 11T40    | Contact Tip .040, Tapered    | 25        |      | 45TF-40-10 | Liner 10', PTFE .045       | 10        |
| 7.   | 35-50    | Gas Diffuser, Mini           | 25        |      | 45TF-40-15 | Liner 15', PTFE .045       | 10        |
| 8.   | 51       | Gas Diffuser #1 .035 -.045   | 5         |      | 122FM      | Binder Screw & Post        | 5         |

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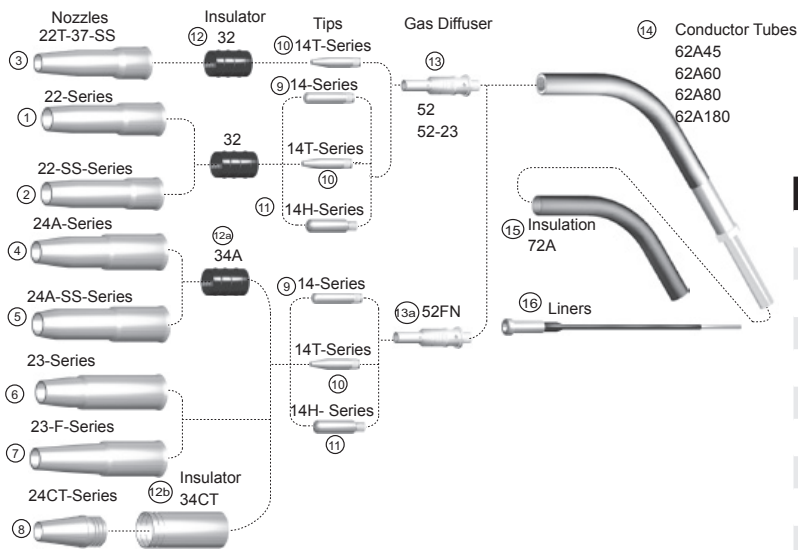
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## #2 GUN



| Item | Part No  | Description                    | Std. Pkg |
|------|----------|--------------------------------|----------|
| 2.   | 22-50SS  | Nozzle Short 1/2", #2          | 5        |
|      | 22-62SS  | Nozzle Short 5/8", #2          | 5        |
| 3.   | 22T37SS  | Nozzle Tapered, 3/8", #2       | 5        |
| 4.   | 24A50    | Nozzle 1/2", #2,3,4            | 5        |
|      | 24A62    | Nozzle 5/8", #2,3,4            | 5        |
|      | 24A75    | Nozzle 3/4", #2,3,4            | 5        |
| 5.   | 24AT37SS | Nozzle 3/8", #2,3,4            | 5        |
|      | 23-50    | Nozzle Insul. 1/2", #2,3,4     | 5        |
|      | 23-62    | Nozzle Insul. 5/8", #2,3,4     | 5        |
|      | 23-75    | Nozzle Insul. 3/4", #2,3,4     | 5        |
|      | 23T37    | Nozzle 3/8", #2,3,4            | 5        |
| 7.   | 23-37F   | Nozzle Insul. 3/8", Flush      | 5        |
|      | 23-50F   | Nozzle Insul. 1/2", Flush      | 5        |
|      | 23-62F   | Nozzle Insul. 5/8", Flush      | 5        |
|      | 23-75F   | Nozzle Insul. 3/4", Flush      | 5        |
|      | 23T37F   | Nozzle Insul. Taper 3/8" Flush | 5        |
| 8.   | 24CT37S  | Nozzle 3/8", #2,3,4            | 5        |
|      | 24CT50S  | Nozzle 1/2", Coarse, #2,3,4    | 5        |
|      | 24CT62R  | Nozzle 5/8", Coarse, #2,3,4    | 5        |
|      | 24CT62S  | Nozzle 5/8", Coarse, #2,3,4    | 5        |
|      | 24CT75S  | Nozzle 3/4", Coarse, #2,3,4    | 5        |

| Item | Part No    | Description                | Std. Pkg |
|------|------------|----------------------------|----------|
| 9.   | 14-23      | Contact Tip .023           | 25       |
|      | 14-35      | Contact Tip .035           | 25       |
|      | 14-45      | Contact Tip .045           | 25       |
|      | 14-52      | Contact Tip .052           | 25       |
|      | 14A364     | Contact Tip 3/64"          | 25       |
|      | 14T23      | Contact Tip Tapered .023   | 25       |
|      | 14T30      | Contact Tip Tapered .030   | 25       |
|      | 14T35      | Contact Tip Tapered .035   | 25       |
|      | 14T40      | Contact Tip Tapered .040   | 25       |
|      | 14T45      | Contact Tip Tapered .045   | 25       |
| 10.  | 14AH364    | Contact Tip 3/64"          | 25       |
|      | 14H35      | Contact Tip .035 HD        | 25       |
|      | 14H40      | Contact Tip .040 HD        | 25       |
|      | 14H45      | Contact Tip .045 HD        | 25       |
| 11.  | 32         | Insulator #2               | 5        |
| 12.  | 34A        | Insulator #2,3,4           | 5        |
|      | 34FN       | Insulator, Fine Thread     | 5        |
| 12a. | 34CT       | Insulator, Coarse Thread   | 5        |
| 12b. | 52         | Gas Diffuser, .030-.045    | 5        |
|      | 52-23      | Gas Diffuser, .023         | 5        |
| 13.  | 52FN       | Gas Diffuser, Fixed Nozzle | 5        |
| 13a. | 62A180     | Conductor Tube 180°        | 1        |
|      | 62A45      | Conductor Tube 45°         | 1        |
|      | 62A60      | Conductor Tube 60°         | 1        |
|      | 62A80      | Conductor Tube 80°         | 1        |
| 14.  | 72A        | Insulation #2 Gun          | 5        |
| 15.  | 42-23-15   | Liner 15', .023            | 10       |
|      | 42-3035-15 | Liner 15', .030-.035       | 10       |
|      | 42-3035-25 | Liner 25', .030-.035       | 10       |
|      | 42-4045-15 | Liner 15', .040-.045       | 10       |
|      | 42-4045-25 | Liner 25', .040-.045       | 10       |
|      | 42N3545-15 | Liner Nylon 15', .035-.045 | 10       |
| 16.  | 144-12     | Cable, 12'                 | 1        |
| NS   | 144-6      | Hose Support Handle        | 1        |
| NS   | 224        | O-Ring                     | 10       |
| NS   | 62N        | Gas Hose Nipple            | 5        |

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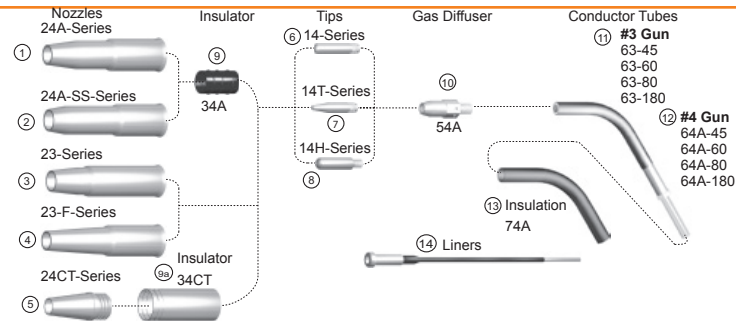
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## #3 & #4 GUNS



| Item | Part No. | Description                   | Std. Pkg | Item       | Part No.                    | Description                    | Std. Pkg. |
|------|----------|-------------------------------|----------|------------|-----------------------------|--------------------------------|-----------|
| 1.   | 24A50    | Nozzle 1/2, #2,3,4            | 5        |            | 14AH116                     | Contact Tip 1/16"              | 25        |
|      | 24A62    | Nozzle 5/8, #2,3,4            | 5        |            | 14AH364                     | Contact Tip 3/64"              | 25        |
|      | 24A75    | Nozzle 3/4,#2,3,4             | 5        | 8.         | 14H116                      | Contact Tip 1/16" HD           | 25        |
|      | 24AH50   | Nozzle HD 1/2                 | 5        |            | 14H35                       | Contact Tip .035 HD            | 25        |
|      | 24AH62   | Nozzle HD 5/8                 | 5        |            | 14H40                       | Contact Tip .040 HD            | 25        |
|      | 24AH75   | Nozzle HD 3/4                 | 5        |            | 14H45                       | Contact Tip .045 HD            | 25        |
| 2.   | 24A37SS  | Nozzle Short Stop 3/8         | 5        |            | 14H52                       | Contact Tip .052 HD            | 25        |
|      | 24A50SS  | Nozzle Short Stop 1/2         | 5        |            | 14H564                      | Contact Tip 5/64" HD           | 25        |
|      | 24A62SS  | Nozzle Short Stop 5/8         | 5        | 9.         | 34A                         | Insulator #2,3,4 Gun           | 5         |
|      | 24A75SS  | Nozzle Short Stop 3/4         | 5        | 9a.        | 34CT                        | Insulator #2,3,4 Gun CT        | 5         |
|      | 24AT37SS | Nozzle Short Stop 3/8, Taper  | 5        | 10.        | 54A                         | Gas Diffuser                   | 5         |
| 3.   | 23-37    | Nozzle Insul. 3/8             | 5        | 11.        | 63-180                      | Conductor Tube 180°            | 1         |
|      | 23-50    | Nozzle Insul. 1/2             | 5        |            | 63-45                       | Conductor Tube 45°             | 1         |
|      | 23-62    | Nozzle Insul. 5/8             | 5        |            | 63-80                       | Conductor Tube 80°             | 1         |
|      | 23-75    | Nozzle Insul. 3/4             | 5        |            | 63J60                       | Conductor Tube, Metal Jacketed | 1         |
|      | 23T37    | Nozzle 3/8, Taper             | 5        | 12.        | 64A60J                      | Conductor Tube, Metal Jacketed | 1         |
| 4.   | 23-37F   | Nozzle Insul. 3/8, Flush      | 5        |            | 64A180                      | Conductor Tube 180°            | 1         |
|      | 23-50F   | Nozzle Insul. 1/2, Flush      | 5        |            | 64A45                       | Conductor Tube 45°             | 1         |
|      | 23-62F   | Nozzle Insul. 5/8, Flush      | 5        |            | 64A60                       | Conductor Tube 60°             | 1         |
|      | 23-75F   | Nozzle Insul. 3/4, Flush      | 5        | 13.        | 74A                         | Insulation                     | 1         |
|      | 23T37F   | Nozzle Insul. Taper 3/8 Flush | 5        | 14.        | 44N3545-15                  | Liner Nylon 25' .035-.045      | 10        |
| 5.   | 24CT37S  | Nozzle 3/8                    | 5        |            | 44-116-15                   | Liner 15' 1/16"                | 10        |
|      | 24CT50S  | Nozzle 1/2, Coarse Thread     | 5        |            | 44-116-25                   | Liner 25' 1/16"                | 10        |
|      | 24CT62R  | Nozzle 5/8                    | 5        |            | 44-3545-15                  | Liner 15' .035-.045            | 10        |
|      | 24CT62S  | Nozzle 5/8, Coarse Thread     | 5        |            | 44-3545-25                  | Liner 25' .035-.045            | 10        |
|      | 24CT75S  | Nozzle 3/4, Coarse Thread     | 5        |            | 44-564-15                   | Liner 15' 5/64"                | 10        |
| 6.   | 14-116   | Contact Tip 1/16              | 5        |            | 44-564-25                   | Liner 25' 5/64"                | 10        |
|      | 14-23    | Contact Tip .023              | 5        |            | 44N-116-15                  | Liner Nylon 15' 1/16"          | 10        |
|      | 14-35    | Contact Tip .035              | 25       | NS 94R     | Switch Assembly             | 10                             |           |
|      | 14-45    | Contact Tip .045              | 25       | NS 144-12  | Cable, 12'                  | 1                              |           |
|      | 14-52    | Contact Tip .052              | 25       | NS 144-6   | Hose Support Handle         | 5                              |           |
|      | 14-564   | Contact Tip 5/64              | 25       | NS 224     | O-Ring                      | 10                             |           |
|      | 14A116   | Contact Tip1/16               | 25       | NS 34FN    | Insulator, Fine Thread      | 5                              |           |
|      | 14A364   | Contact Tip 3/64              | 25       | NS 24FN50S | Nozzle 1/2", Fine Thread    | 5                              |           |
| 7.   | 14T116   | Contact Tip Tapered 1/16      | 25       | NS 24FN62S | Nozzle 5/8", Fine Thread    | 5                              |           |
|      | 14T23    | Contact Tip Tapered .023      | 25       | NS 24FN75S | Nozzle 3/4", Fine Thread    | 5                              |           |
|      | 14T30    | Contact Tip Tapered .030      | 25       | NS 400-10  | OEM #4 Hose Cable Assy, 10' | 1                              |           |
|      | 14T35    | Contact Tip Tapered .035      | 25       | NS 400-15  | OEM #4 Hose Cable Assy, 15' | 1                              |           |
|      | 14T40    | Contact Tip Tapered .040      | 25       | NS 84A     | Handle w/ Screws            | 1                              |           |
|      | 14T45    | Contact Tip Tapered .045      | 25       | NS 94C     | Switch Blades               | 1                              |           |
|      | 14T52    | Contact Tip Tapered .052      | 25       |            |                             | 1                              |           |

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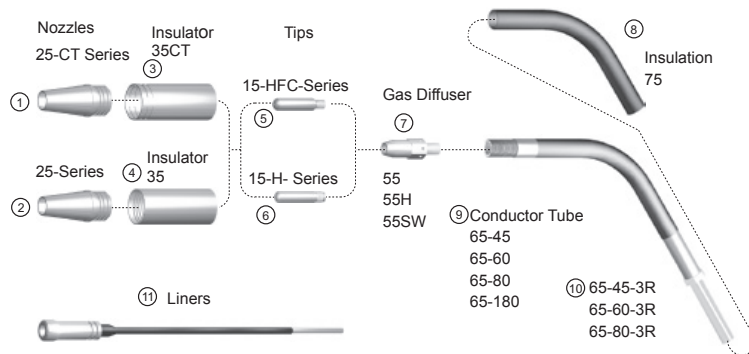
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# REPLACEMENT PARTS SUITABLE FOR TWECO®

## #5 GUN



| Item | Part No.  | Description                                | Std. Pkg. |
|------|-----------|--------------------------------------------|-----------|
| 1.   | 25CT50    | Nozzle 1/2", Coarse Thread                 | 5         |
|      | 25CT62    | Nozzle 5/8", Coarse Thread                 | 5         |
|      | 25CT75    | Nozzle 3/4", Coarse Thread                 | 5         |
| 2.   | 25-50     | Nozzle 1/2", Fine Thread                   | 5         |
|      | 25-62     | Nozzle 5/8", Fine Thread                   | 5         |
|      | 25-75     | Nozzle 3/4", Fine Thread                   | 5         |
| 3.   | 35CT      | Insulator Coarse, #5                       | 5         |
| 4.   | 35        | Insulator #5 Standard                      | 5         |
| 5.   | 15AH364   | Contact Tip 3/64" HD                       | 25        |
|      | 15H116    | Contact Tip, 1/16" HD                      | 25        |
|      | 15H18     | Contact Tip 1/8" HD                        | 25        |
|      | 15H332    | Contact Tip 3/32" HD                       | 25        |
|      | 15H35     | Contact Tip .035 HD                        | 25        |
|      | 15H45     | Contact Tip .045 HD                        | 25        |
|      | 15H52     | Contact Tip .052 HD                        | 25        |
|      | 15H564    | Contact Tip 5/64" HD                       | 25        |
|      | 15H764    | Contact Tip 7/64" HD                       | 25        |
| 6.   | 15AHFC116 | Contact Tip 1/16" HD Fix.-Cor.Al.          | 25        |
|      | 15AHFC364 | Contact Tip 3/64" HD Fix.-Cor.Al.          | 25        |
|      | 15HFC116  | Contact Tip 1/16" HD Fix.-Cor.             | 25        |
|      | 15HFC18   | Contact Tip 1/8" HD Fix.-Cor.              | 25        |
|      | 15HFC332  | Contact Tip 3/32" HD Fix.-Cor.             | 25        |
|      | 15HFC35   | Contact Tip .035 HD Fix.-Cor.              | 25        |
|      | 15HFC45   | Contact Tip .045 HD Fix.-Cor.              | 25        |
|      | 15HFC52   | Contact Tip .052 HD Fix.-Cor.              | 25        |
|      | 15HFC564  | Contact Tip 5/64" HD Fix.-Cor.             | 25        |
|      | 15HFC764  | Contact Tip 7/64" HD Fix.-Cor.             | 25        |
| 7.   | 55        | Gas Diffuser (use w/45N-116,45-564 Liner)  | 5         |
|      | 55H       | Gas Diffuser (use w/45-3545,45-116 Liner)  | 5         |
|      | 55SW      | Gas Diffuser (use w/45H-332,45H-764 Liner) | 5         |

| Item | Part No.    | Description                    | Std. Pkg. |
|------|-------------|--------------------------------|-----------|
| 8.   | 75          | Insulation Conductor Tube      | 5         |
| 9.   | 65-180      | Conductor Tube 180°            | 5         |
|      | 65-45       | Conductor Tube 45°             | 5         |
|      | 65-60       | Conductor Tube 60°             | 5         |
|      | 65-80       | Conductor Tube 80°             | 5         |
| 10.  | 65-45       | Conductor Tube 45°             | 5         |
|      | 65-60       | Conductor Tube 60°             | 5         |
|      | 65J60       | Conductor Tube, Metal Jacketed | 1         |
|      | 65-80       | Conductor Tube 80°             | 5         |
| 11.  | 45-116-15   | Liner 15' 1/16"                | 10        |
|      | 45-116-25   | Liner 25' 1/16"                | 10        |
|      | 45-3545-15  | Liner 15' .035-.045            | 10        |
|      | 45-3545-25  | Liner 25' .035-.045            | 10        |
|      | 45-564-15   | Liner 15' 5/64"                | 10        |
|      | 45-564-25   | Liner 25' 5/64"                | 10        |
|      | 45H332-15   | Liner 15' 3/32"                | 10        |
|      | 45H764-15   | Liner 15' 7/64"                | 10        |
|      | 45N-116-15  | Liner Nylon 15' 1/16"          | 10        |
|      | 45N-3545-15 | Liner Nylon 25' .035-.045      | 10        |

## SPRAYMASTER™

| Item | Part No  | Description                 | Std. Pkg. |
|------|----------|-----------------------------|-----------|
| NS   | 16AS-116 | Contact Tip 1/16", Aluminum | 25        |
| NS   | 16S-116  | Contact Tip 1/16" (1.6mm)   | 25        |
| NS   | 16S-35   | Contact Tip .035" (0.9mm)   | 25        |
| NS   | 16S-45   | Contact Tip .045 (1.2mm)    | 25        |
| NS   | 16S-564  | Contact Tip 5/64" (2.0mm)   | 25        |
| NS   | 16S-52   | Contact Tip .052            | 25        |
| NS   | HD24-62  | Nozzle 5/8"                 | 5         |
| NS   | HD24L-62 | Nozzle, 5/8" Heavy Duty     | 5         |
| NS   | HD54-16  | Gas Diffuser                | 5         |

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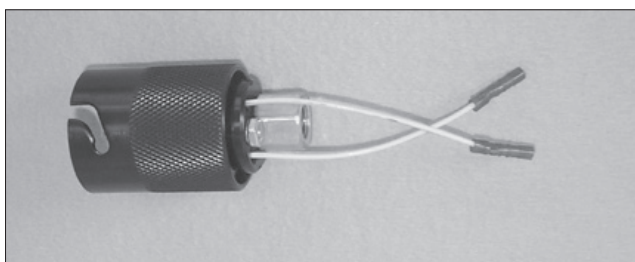
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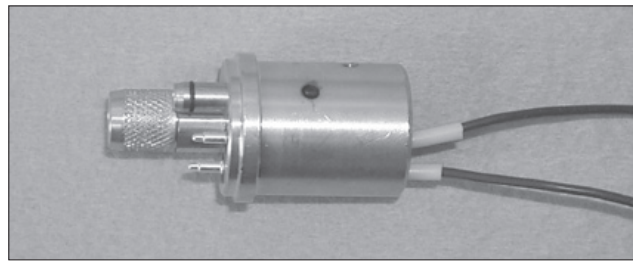
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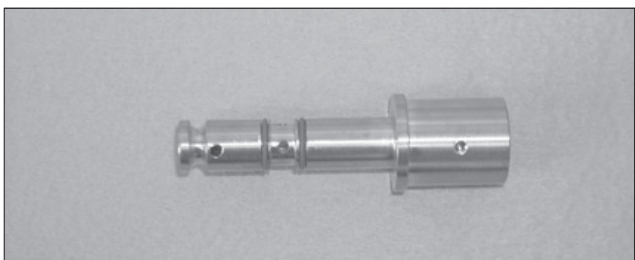
## REPLACEMENT PARTS SUITABLE FOR MIG GUN PLUGS



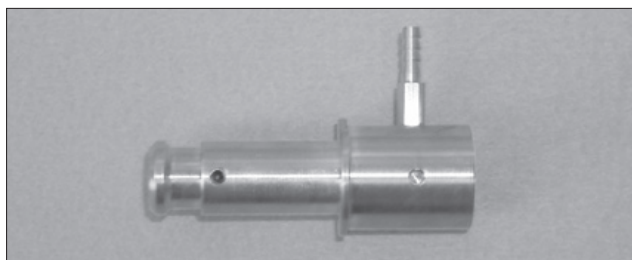
**BQ = Bernard® Quick Disconnect**



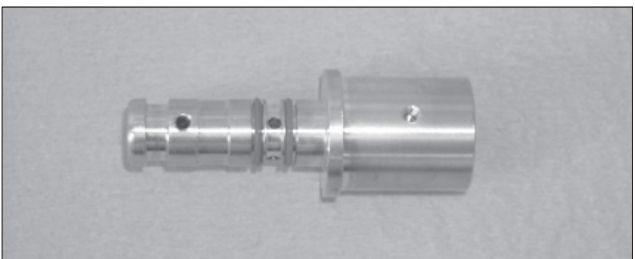
**Eu = Euro (Tweco®)**  
**BEu = Bernard® Euro (not shown)**



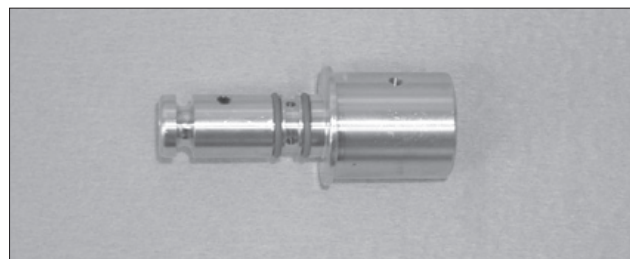
**E = Esab®**



**L = Lincoln®**



**L2 = Lincoln® 2**



**L3 = Lincoln® 3**



**M = Miller®**



**T = Tweco®**

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# REPLACEMENT PARTS SUITABLE FOR TIG WELDING

What you need to know about Tungsten....

How Quality Control is addressed  
with Thermacut Tungsten

"Centerless Ground,  
Precision Centerless Ground, or Ground"  
All the terms mean the same thing As a requirement of  
the ISO and AWS specifications, good quality tungsten is  
centerless ground, precision centerless ground or ground.  
Our electrodes are centerless ground.

"Annealed"  
Annealing is analogous to the heating-treating processes  
whereby the electrodes are heated in an oven to a  
specified temperature, rate and duration to inspire atomic  
settling where the grain structure Tungsten becomes more  
consistent and facilitating electron migration.  
Our electrodes are annealed.

"100% Eddy Current Tested"  
Eddy current testing monitors the electrical field properties  
surrounding the electrode as current passes through it.  
This test verifies proper current flow and detects any voids,  
cracks or other physical imperfections that would impede  
performance. Since ISO requires a lot control, a failed lot  
can then be controlled, segregated, re-tested and scrapped  
if necessary. All our tungsten is eddy current tested.

Sharpening Your Tungsten  
A common mistake by most companies is using an  
contaminated grinding wheel. By not using a dedicated  
system any impurities left on the grinding wheel from your  
last use are now imbedded into the tungsten. The end  
result is a poor weld.

Call today to learn more  
about our Tungsten Grinder

Pure – color coded Green

| Part No     | Description                 | Std. Pkg |
|-------------|-----------------------------|----------|
| T040-7-PUR  | Tungsten, .040x7, GND, PUR  | 10       |
| T1/16-3-PUR | Tungsten, 1/16 x3, GND, PUR | 10       |
| T1/16-7-PUR | Tungsten, 1/16x7, GND, PUR  | 10       |
| T1/4-7-PUR  | Tungsten, 1/4x7, GND PUR    | 5        |
| T1/8-3-PUR  | Tungsten, 1/8x3, GND PUR    | 10       |
| T1/8-7-PUR  | Tungsten, 1/8x7, GND PUR    | 10       |
| T3/16-7-PUR | Tungsten, 3/16x7, GND PUR   | 5        |
| T3/32-3-PUR | Tungsten, 3/32x3, GND PUR   | 10       |
| T3/32-7-PUR | Tungsten, 3/32x7, GND PUR   | 10       |
| T5/32-7-PUR | Tungsten, 5/32x7, GND PUR   | 10       |

2% Cerium – color coded Orange

| Part No.    | Description                    | Std. Pkg |
|-------------|--------------------------------|----------|
| T040-7-CER  | Tungsten, .040x7, GND, 2% CER  | 10       |
| T1/16-3-CER | Tungsten, 1/16 x3, GND, 2% CER | 10       |
| T1/16-7-CER | Tungsten, 1/16x7, GND 2% CER   | 10       |
| T1/4-7-CER  | Tungsten, 1/4x7, GND 2% CER    | 5        |
| T1/8-18-CER | Tungsten, 1/8x18, GND 2% CER   | 20       |
| T1/8-3-CER  | Tungsten, 1/8x3, GND 2% CER    | 10       |
| T1/8-7-CER  | Tungsten, 1/8x7, GND 2% CER    | 10       |
| T3/16-7-CER | Tungsten, 3/16x7, GND 2% CER   | 5        |
| T3/32-3-CER | Tungsten, 3/32x3, GND 2% CER   | 10       |
| T3/32-7-CER | Tungsten, 3/32x7, GND 2% CER   | 10       |
| T5/32-7-CER | Tungsten, 5/32x7, GND 2% CER   | 10       |

1.5% Lanthanum – color coded Gold

| Part No.     | Description                     | Std. Pkg |
|--------------|---------------------------------|----------|
| T040-7-LAN   | Tungsten, .040x7, GND, 1.5% LA  | 10       |
| T1/16-3-LAN  | Tungsten, 1/16 x3, GND, 1.5% LA | 10       |
| T1/16-7-LAN  | Tungsten, 1/16x7, GND 1.5% LA   | 10       |
| T1/4-7-LAN   | Tungsten, 1/4x7, GND 1.5% LA    | 5        |
| T1/8-3-LAN   | Tungsten, 1/8x3, GND 1.5% LA    | 10       |
| T1/8-7-LAN   | Tungsten, 1/8x7, GND 1.5% LA    | 10       |
| T3/16-7-LAN  | Tungsten, 3/16x7, GND 1.5% LA   | 5        |
| T3/32-3-LAN  | Tungsten, 3/32x3, GND 1.5% LA   | 10       |
| T3/32-7-LAN  | Tungsten, 3/32x7, GND 1.5% LA   | 20       |
| T5/32-7-LAN  | Tungsten, 5/32x7, GND 1.5% LA   | 10       |
| T3/32-18-LAN | Tungsten, 3/32x18, GND 1.5% LA  | 10       |

Zirconium – color coded Brown

| Part No.    | Description                 | Std. Pkg |
|-------------|-----------------------------|----------|
| T040-7-ZIR  | Tungsten, .040x7, GND, ZIR  | 10       |
| T1/16-3-ZIR | Tungsten, 1/16 x3, GND, ZIR | 10       |
| T1/16-7-ZIR | Tungsten, 1/16x7, GND, ZIR  | 10       |
| T1/8-3-ZIR  | Tungsten, 1/8x3, GND, ZIR   | 10       |
| T1/8-7-ZIR  | Tungsten, 1/8x7, GND, ZIR   | 10       |
| T3/32-3-ZIR | Tungsten, 3/32x3, GND, ZIR  | 10       |
| T3/32-7-ZIR | Tungsten, 3/32x7, GND, ZIR  | 10       |
| T5/32-7-ZIR | Tungsten, 5/32x7, GND, ZIR  | 10       |

2% Thorium – color coded Red

| Part No.     | Description                    | Std. Pkg |
|--------------|--------------------------------|----------|
| T040-7-THO   | Tungsten, .040x7, GND, 2% THO  | 10       |
| T1/16-18-THO | Tungsten, 1/16x18, GND 2% THO  | 20       |
| T1/16-3-THO  | Tungsten, 1/16 x3, GND, 2% THO | 10       |
| T1/16-7-THO  | Tungsten, 1/16x7, GND 2% THO   | 10       |
| T1/4-7-THO   | Tungsten, 1/4x7, GND 2% THO    | 5        |
| T1/8-18-THO  | Tungsten, 1/8x18, GND 2% THO   | 20       |
| T1/8-3-THO   | Tungsten, 1/8x3, GND 2% THO    | 10       |
| T1/8-7-THO   | Tungsten, 1/8x7, GND 2% THO    | 10       |
| T3/32-18-THO | Tungsten, 3/32x18 GND 2% THO   | 20       |
| T3/16-7-THO  | Tungsten, 3/16x7, GND 2% THO   | 5        |
| T3/32-3-THO  | Tungsten, 3/32x3, GND 2% THO   | 10       |
| T3/32-7-THO  | Tungsten, 3/32x7, GND 2% THO   | 10       |
| T5/32-7-THO  | Tungsten, 5/32x7, GND 2% THO   | 10       |

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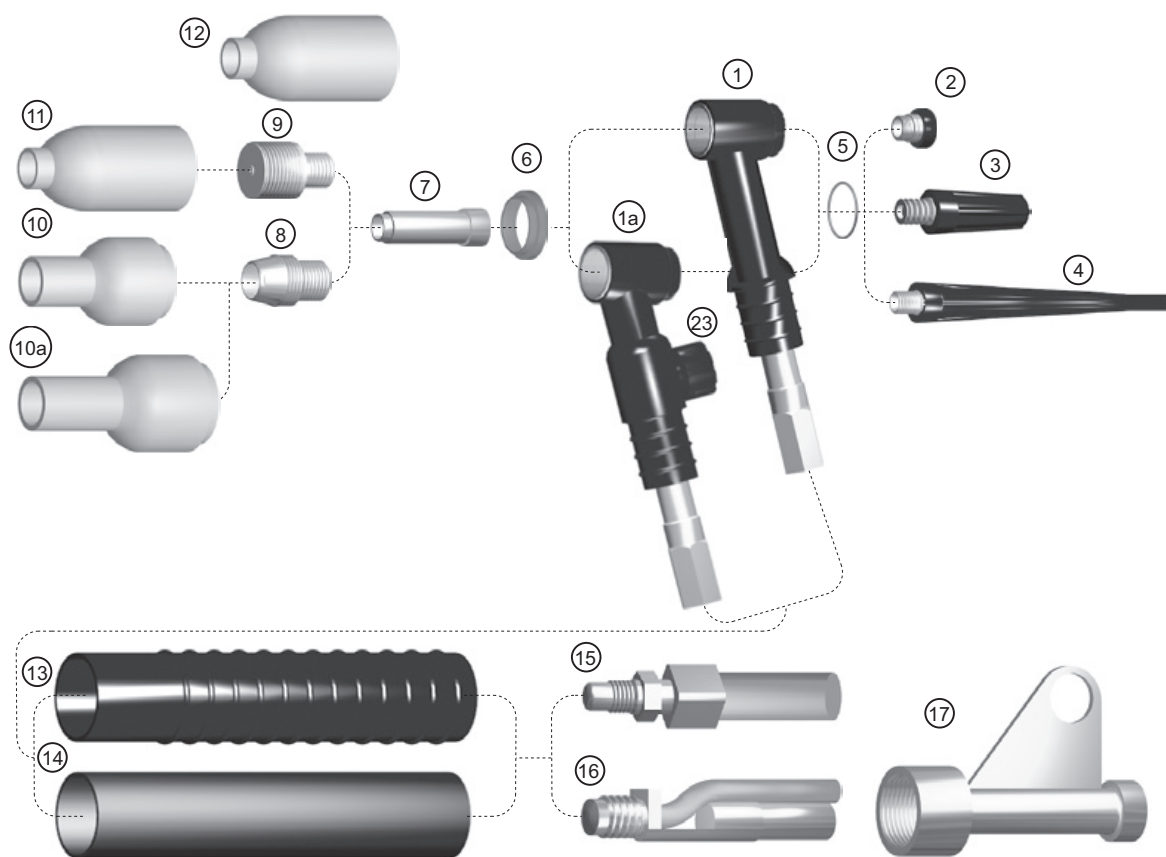
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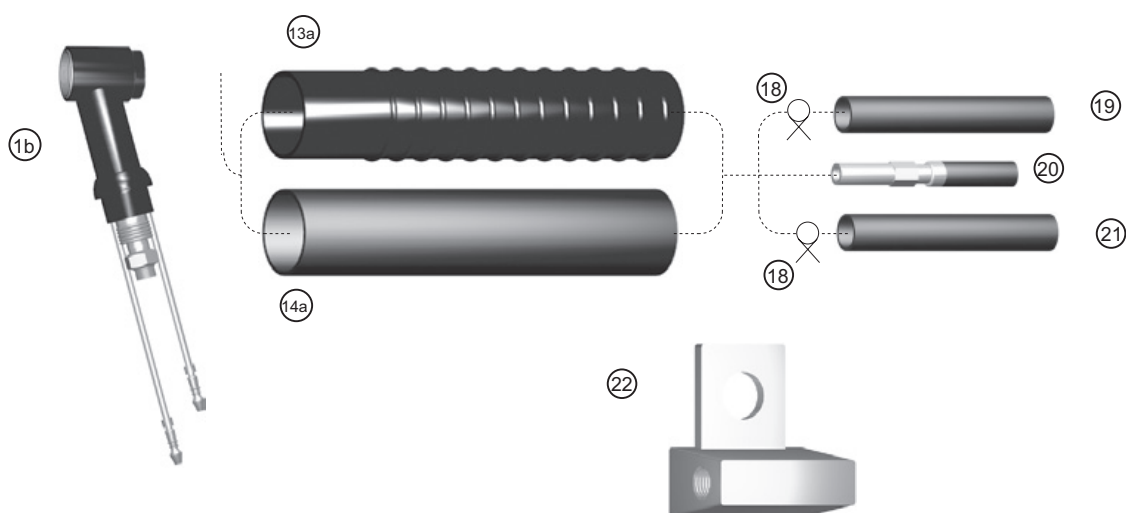
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# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES 9, 20, 24, 25

## 125 AMP AIR COOLED MODEL 9



## 250 AMP WATER COOLED MODEL 20



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# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES 9, 20, 24, 25

| Item | Part No.   | Description                   | Torch | Std. Pkg. |
|------|------------|-------------------------------|-------|-----------|
| 1.   | HP-9-12R   | 125A Torch Pkg., 12'          | 9     | 1         |
|      | HP-9-25R   | 125A Torch Pkg., 25'          | 9     | 1         |
|      | SR-9       | 125A Torch Body               | 9     | 1         |
|      | SR-9-12R   | 125A Torch Pkg., 12'          | 9     | 1         |
|      | SR-12-2    | 125A Torch Pkg., 2 pc, 12'    | 9     | 1         |
|      | SR-9-25R   | 125A Torch Pkg., 25'          | 9     | 1         |
|      | SR-9F      | 125A Torch Body, Flexible     | 9     | 1         |
|      | SR-9F-25R  | 125A Torch Pkg., 25'          | 9     | 1         |
| 1a.  | SR-9FV     | 125A Torch Body, Flex w/Valve | 9     | 1         |
|      | SR-9FV-12R | 125A Torch Pkg., 12' w/Valve  | 9     | 1         |
|      | SR-9FV-25R | 125A Torch Flex 25' w/Valve   | 9     | 1         |
|      | SR-9V      | 125A Torch Body, w/Valve      | 9     | 1         |
|      | SR-9V-12-2 | 125A Torch Pkg., 12' w/Valve  | 9     | 1         |
|      | SR-9V-12R  | 125A Torch Pkg., 12' w/Valve  | 9     | 1         |
|      | SR-9V-25R  | 125A Torch Pkg., 25' w/Valve  | 20    | 1         |
| 1b.  | HP-20      | 250A Torch Body               | 20    | 1         |
|      | HP-20-12   | 250A Torch Pkg., 12'          | 20    | 1         |
|      | HP-20-25   | 250A Torch Pkg., 25'          | 20    | 1         |
|      | SR-20      | 250A Torch Body               | 20    | 1         |
|      | SR-20-12   | 250A Torch Pkg., 12'          | 20    | 1         |
|      | SR-20-12R  | 250A Torch Pkg., 25'          | 20    | 1         |
|      | SR-20-25   | 250A Torch Pkg., 25'          | 20    | 1         |
|      | SR-20-25R  | 250A Torch Pkg., 25'          | 24    | 1         |
|      | HP-24      | 80 Amp Air-Cooled Torch       | 9,20  | 1         |
| 2.   | 41V33      | Back Cap, Short               | 9,20  | 5         |
| 3.   | 41V35      | Back Cap, Medium              | 9,20  | 5         |
| 4.   | 41V24      | Back Cap, Long                | 9,20  | 5         |
| 5.   | 98W77      | O-Ring                        | 9,20  | 10        |
| 6.   | 598882     | Cup Gasket                    | 9,20  | 1         |
| 7.   | 13N20      | Collet .020                   | 9,20  | 5         |
|      | 13N21      | Collet .040                   | 9,20  | 5         |
|      | 13N22      | Collet 1/16                   | 9,20  | 5         |
|      | 12N23      | Collet 3/32                   | 9,20  | 5         |
|      | 13N24      | Collet 1/8                    | 24    | 5         |
|      | 53N14      | Collet 1/16                   | 24    | 5         |
|      | 53N15      | Collet .020                   | 24    | 5         |
|      | 53N16      | Collet .040                   | 9     | 5         |
|      | 84Z33      | Collet 1/16                   | 24    | 1         |
|      | 53N62      | Gas Lens Collet .020          | 24    | 5         |
|      | 53N63      | Gas Lens Collet .040          | 24    | 5         |
|      | 53N64      | Gas Lens Collet 1/16          | 9,20  | 5         |
|      | 24GIC332   | Gas Lens Collet, 3/32         | 9,20  | 5         |
| 8.   | 13N25      | Collet Body .020              | 9,20  | 5         |
|      | 13N26      | Collet Body .040              | 9,20  | 5         |
|      | 13N27      | Collet Body 1/16              | 24    | 5         |
|      | 13N28      | Collet Body 3/32              | 9,20  | 5         |
|      | 24CB3/32   | Collet Body 3/32              | 24    | 5         |
|      | 13N29      | Collet Body 1/8               | 24    | 5         |
|      | 53N17      | Collet Body .020              | 24    | 5         |
| 9.   | 45V41      | Gas Lens .020                 | 9,20  | 5         |
|      | 45V42      | Gas Lens .040                 | 9,20  | 5         |
|      | 45V43      | Gas Lens 1/16                 | 9,20  | 5         |
|      | 45V44      | Gas Lens 3/32                 | 9,20  | 5         |

| Item | Part No. | Description                 | Torch      | Std. Pkg. |
|------|----------|-----------------------------|------------|-----------|
|      | 45V45    | Gas Lens 1/8                | 9,20       | 5         |
| 10.  | 13N08    | Alumina Cup #4              | 9,20       | 10        |
|      | 13N09    | Alumina Cup #5              | 9,20       | 10        |
|      | 13N10    | Alumina cup #6              | 9,20       | 10        |
|      | 13N11    | Alumina Cup #7              | 9,20       | 10        |
|      | 13N12    | Alumina Cup #8              | 9,20       | 10        |
|      | 13N13    | Alumina Cup #10             | 9,20       | 10        |
| 10a. | 13N14    | Ceramic Cup #4              | 9,20       | 10        |
|      | 13N18    | Ceramic Cup #8              | 9,20       | 10        |
|      | 53N27    | Ceramic Cup #6              | 24         | 10        |
| 11.  | 14N65    | Alumina Cup #4              | 9          | 10        |
|      | 53N58    | Alumina Cup #4              | 9,20,24,25 | 10        |
|      | 53N59    | Alumina Cup #5              | 9,20,24,25 | 10        |
|      | 53N60    | Alumina Cup #6              | 9,20,24,25 | 10        |
|      | 53N61    | Alumina Cup #7              | 9,20,24,25 | 10        |
|      | 53N61S   | Alumina Cup #8              | 9,20,24,25 | 10        |
| 12.  | 57N75    | Alumina Cup #6              | 9,17,18,20 | 10        |
|      | 57N74    | Alumina Cup #8              | 9,17,18,20 | 10        |
|      | 53N87    | Alumina Cup #12             | 9,17,18,20 | 10        |
|      | 53N88    | Alumina Cup #10             | 9,17,18,20 | 10        |
|      | 53N89    | Alumina Cup, Short          | 9,17,18,20 | 10        |
| 13.  | H-100R   | Handle Ribbed               | SR9,SR17   | 1         |
| 13a. | 53N06R   | Handle, Ribbed              | HP9,HP20   | 1         |
| 14.  | H-100    | Handle, Smooth              | SR9,SR17   | 1         |
| 14a. | 53N06    | Handle, Smooth              | HP9,HP20   | 1         |
| 15.  | 57Y01R   | Power Cable 12.5'           | 9V,17,17V  | 1         |
|      | 57Y03R   | Power Cable 25'             | 9V,17,17V  | 1         |
| 16.  | 57Y01-2  | Power Cable 12.5' (2 piece) | 9,17       | 1         |
|      | 57Y03-2  | Power Cable 25' (2 piece)   | 9,17       | 1         |
| 17.  | 105Z57   | Power Cable Adapter         | 9,17       | 10        |
|      | 45V10    | Gas Hose 25'                | 20,24W,25  | 1         |
|      | 40V77    | Gas Hose Extension 12.5'    | 18,20,25   | 1         |
|      | 40V77L   | Gas Hose Extension 25'      | 18,20,25   | 1         |
|      | 40V77LR  | Argon Hose Extension 25'    | 18,20,25   | 1         |
| 20.  | 45V03    | Power Cable 12.5'           | 20,24W,25  | 1         |
|      | 45V04    | Power Cable 25'             | 20,24W,25  | 1         |
|      | 40V78L   | Extended Power Cable 25'    | 18,20,25   | 1         |
| 21.  | 45V07    | Water Hose 12.5'            | 20,24W,25  | 1         |
|      | 45V08    | Water Hose 25'              | 20,24W,25  | 1         |
|      | 40V76    | Water Hose Extension 12.5'  | 18,20,25   | 1         |
|      | 40V76L   | Water Hose 25'              | 18,20,25   | 1         |
| 22.  | 45V11    | Power Cable Adapter         | 18,20,24W  | 1         |
| 23.  | VS-2     | Valve Knob & Stem           | 9V,17V     | 5         |
| NS   | S-008    | O-Ring                      | 9,17,18,26 | 10        |
| NS   | 9-4      | Insert for 9,20             | 9,20       | 5         |
| NS   | 53N66    | Gas Lens Insulator          | 24         | 5         |
| NS   | 53N22    | Nozzle Gasket               | 24         | 5         |

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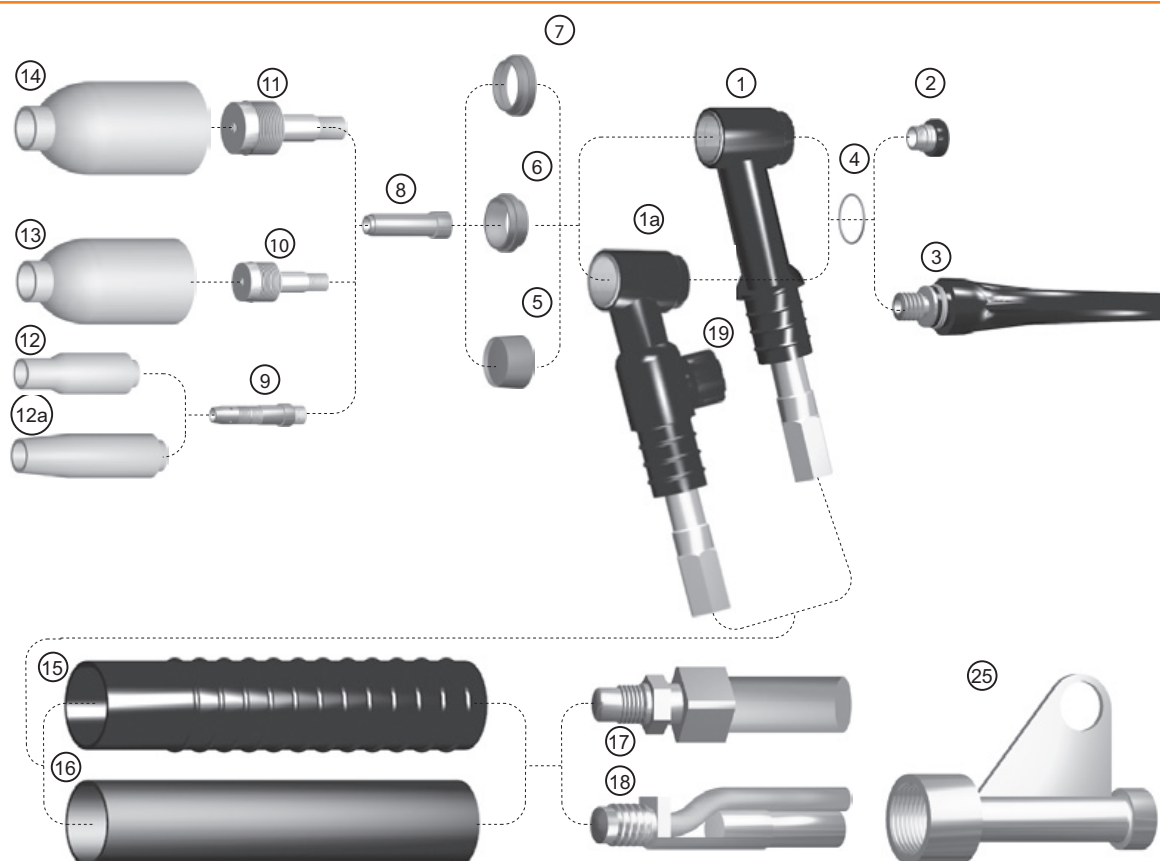
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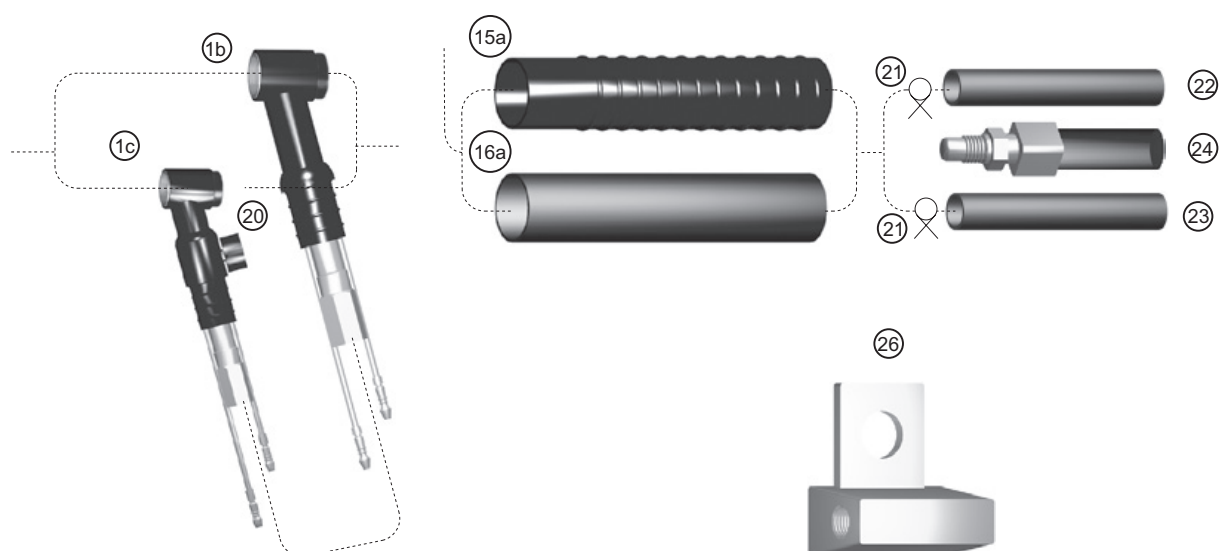


# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES 17, 18, 26

150 AMP AIR COOLED MODEL 17  
200 AMP AIR COOLED MODEL 26



## 350 AMP WATER COOLED MODEL 18



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# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES 17, 18, 26

| Item | Part No.     | Description                        | Torch    | Std. Pkg |
|------|--------------|------------------------------------|----------|----------|
| 1.   | HP-17-12R    | 150A Torch Pkg., 12'               | 17       | 1        |
|      | HP-17-25R    | 150A Torch Pkg., 25'               | 17       | 1        |
|      | SR-17        | 150A Torch Body                    | 17       | 1        |
|      | SR-17-12R    | 150A Torch Pkg., 12'               | 17       | 1        |
|      | SR-17-25-2   | 150A Torch Pkg, 25' 2pc Hose       | 17       | 1        |
|      | SR-17-25R    | 150A Torch Pkg., 25'               | 17       | 1        |
|      | SR-17F       | 150A Flexible Torch Body           | 17       | 1        |
|      | HP-26V       | 200 A Torch Body, w/Valve          | 26       | 1        |
|      | SR-26        | 200A Torch Body                    | 26       | 1        |
|      | SR-26-12R    | 200A Torch Pkg., 12'               | 26       | 1        |
|      | SR-26-25-2   | 200A Torch Pkg. 25' 2pc Hose       | 26       | 1        |
|      | SR-26-25R    | 200A Torch Pkg., 25'               | 26       | 1        |
|      | SR-26F       | 200A Flexible Torch Body           | 26       | 1        |
| 1a.  | HP-17V       | 150A Torch body w/Valve            | 17       | 1        |
|      | HP-17V-12R   | 150A Torch Pkg, 12' w/Valve        | 17       | 1        |
|      | HP-17V-25R   | 150A Torch Pkg, 25' w/Valve        | 17       | 1        |
|      | SR-17V-12-2  | 150A Torch Pkg. 12' 2pc Hose/Valve | 17       | 1        |
|      | SR-17V-12R   | 150A Torch Pkg. 12', w/Valve       | 17       | 1        |
|      | SR-17V-25-2  | 150A Torch Pkg. 25' 2pc Hose/Valve | 17       | 1        |
|      | SR-17V-25R   | 150A Torch Body Flex w/Valve       | 17       | 1        |
|      | SR-17V-25R   | 150A Torch Flex, 25' w/Valve       | 17       | 1        |
|      | SR-17V       | 150A Torch Body w/Valve            | 17       | 1        |
|      | SR-17V-12-2  | 150A Torch Pkg, 12'                | 17       | 1        |
|      | SR-17V-12R   | 150A Torch Pkg, 12' w/Valve        | 17       | 1        |
|      | SR-17V-25-2  | 150A Torch Pkg, 25' 2 pc Hose      | 17       | 1        |
|      | SR-17V-25R   | 150A Torch Pkg, 25' w/Valve        | 17       | 1        |
|      | SR-26V       | 200A Torch Body w/Valve            | 26       | 1        |
|      | SR-26V-12R   | 200A Torch Pkg, 12' w/Valve        | 26       | 1        |
|      | SR-26V-12-2  | 200A Torch Pkg., W/Valve           | 26       | 1        |
|      | SR-26-12-2   | 200A Torch Pkg., 20c Cable         | 26       | 1        |
|      | SR-26V-25R   | 200A Torch Pkg, 25' w/Valve        | 26       | 1        |
|      | SR-26FV      | 200A Torch Body, Flex w/Valve      | 26       | 1        |
|      | SR-26FV-25R  | 200A Torch Pkg, 25' w/Valve        | 26       | 1        |
|      | SR-26FV-25-2 | 200A Torch Pkg., 25', w/Valve      | 26       | 1        |
| 1b.  | HP-18-12     | 350A Torch Pkg, 12'                | 18       | 1        |
|      | HP-18-25     | 350A Torch Pkg, 25'                | 18       | 1        |
|      | HP-18        | 350A Torch Body                    | 18       | 1        |
|      | SR-18        | 350A Torch Body                    | 18       | 1        |
|      | SR-18-12     | 350A Torch Pkg, 12'                | 18       | 1        |
|      | SR-18-25     | 350A Torch Pkg, 25'                | 18       | 1        |
| 1c.  | SR-18V       | 350A Torch Body w/Valve            | 18       | 1        |
|      | SR-18V-12    | 350A Torch Pkg, w/Valve, 12'       | 18       | 1        |
|      | SR-18V-25    | 350A Torch Pkg, w/Valve, 25'       | 18       | 1        |
| 2-3  |              | Back Caps                          | 17,18,26 | 5        |

| Item  | Part No. | Description               | Torch     | Std. Pkg. |
|-------|----------|---------------------------|-----------|-----------|
| 4.    |          | O-Ring                    | 17,18,26  | 10        |
| 5.    |          | Cup Gasket                | 17,18,26  | 5         |
| 6-7.  |          | Gas Lens Insulators       | 17,18,26  | 5         |
| 8.    |          | Collets                   | 17,18,26  | 5         |
| 9.    |          | Collet Bodies             | 17,18,26  | 5         |
| 10-11 |          | Gas Lenses                | 17,18,26  | 5         |
| 12-14 |          | Alumina & Ceramic Cups    | 17,18,26  | 5         |
| 15.   | H-100R   | Handle, Ribbed            | SR9,SR17  | 1         |
|       | 105Z55R  | Handle, Ribbed            | HP17      | 1         |
| 15a.  | H-200R   | Handle, Ribbed            | SR18,SR26 | 1         |
|       | 10N15R   | Handle, Ribbed            | SR18,SR26 | 1         |
| 16.   | H-100    | Handle, Smooth            | SR9,SR17  | 1         |
|       | 105Z55   | Handle, Smooth            | HP17      | 1         |
| 16a.  | 10N15    | Handle, Smooth            | SR18,SR26 | 1         |
|       | 54N84R   | Handle, Ribbed            | HP26      | 1         |
| 17.   | 57Y01R   | Power Cable, 12.5'        | 9V,17,17V | 1         |
|       | 57Y03R   | Power Cable, 25'          | 9V,17,17V | 1         |
|       | 56Y38R   | Power Cable, 12.5'        | 9         | 1         |
| 18.   | 57Y01-2  | Power Cable, 12.5' (2 pc) | 9,17      | 1         |
|       | 57Y03-2  | Power Cable, 25' (2 pc)   | 9,17      | 5         |
| 19.   | VS-2     | Valve Knob & Stem         | 9V,17V    | 5         |
| 20.   | VS-1     | Valve Knob & Stem         | 26V       | 10        |
| 21.   | 53N04    | Hose Clamp                | 24        | 1         |
|       | 40V76    | Water Hose Ext., 12.5'    | 18,20,25  | 1         |
|       | 41V32    | Water Hose, 25'           | 18        | 1         |
|       | 40V76L   | Water Hose, 25'           | 18,20,25  | 1         |
|       | 41V30    | Gas Hose, 25'             | 18        | 1         |
|       | 41V30R   | Gas Hose, 25' Rubber      | 18        | 1         |
|       | 40V75R   | Gas Hose, 12.5' Rubber    | 18        | 1         |
|       | 45V09R   | Gas Hose, 12.5' (2 pc)    | 17        | 1         |
|       | 45V10R   | Gas Hose 25', Rubber      | 17        | 1         |
| 24.   | 46V30-2  | Pwr Cable&Gas Hose (2pc)  | 26        | 1         |
|       | 40V64    | Power Cable 12.5'         | 18        | 1         |
|       | 41V29    | Power Cable 25'           | 18        | 1         |
|       | 41V29R   | Power Cable 25'           | 18        | 1         |
| 25.   | 45V11    | Power Cable Adapter       | 18,20,24W | 1         |
| NS    | 18CG20   | Stubby Cup Gasket         | 17,18,26  | 5         |
| NS    | 18-7     | Insert                    | 17,18,26  | 5         |
| NS    | LDT26R   | DINSE Connector           | 26        | 1         |

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# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES

## BACK CAPS

| Part No | Description    | Torches  |
|---------|----------------|----------|
| 57Y02   | Long Back Cap  | 17,18,26 |
| 57Y04   | Short Back Cap | 17,18,26 |
| 98W18   | O-Ring         | 17,18,26 |

| Part No | Description     | Torches |
|---------|-----------------|---------|
| 41V33   | Short Back Cup  | 9,20    |
| 41V35   | Medium Back Cup | 9,20    |
| 41V24   | Long Back Cap   | 9,20    |
| 98W77   | O-Ring          | 9,20    |



## INSULATORS

| Part No | Description        | Torches  |
|---------|--------------------|----------|
| 54N01   | Gas Lens Insulator | 17,18,26 |

| Part No | Description                       | Torches  |
|---------|-----------------------------------|----------|
| 54N63   | Large Diameter Gas Lens Insulator | 17,19,26 |

| Part No | Description        | Torches |
|---------|--------------------|---------|
| 53N66   | Gas Lens Insulator | 24,24W  |

| Part No | Description | Torches |
|---------|-------------|---------|
| 598882  | Cup Gasket  | 9,20,25 |

| Part No | Description | Torches |
|---------|-------------|---------|
| 9-4     | Insert      | 9,20    |

| Part No | Description | Torches  |
|---------|-------------|----------|
| 18CG    | Cup Gasket  | 17,18,26 |

| Part No | Description | Torches  |
|---------|-------------|----------|
| 18-7    | Insert      | 17,18,26 |



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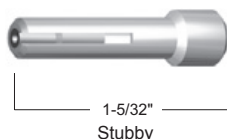
## COLLETS

Qty per pkg: 5

| Size | Part No. | Torch    |
|------|----------|----------|
| .020 | 10N21    | 17,18,26 |
| .040 | 10N22    | 17,18,26 |
| 1/16 | 10N23    | 17,18,26 |
| 3/32 | 10N24    | 17,18,26 |
| 1/8  | 10N25    | 17,18,26 |
| 5/32 | 54N20    | 17,18,26 |



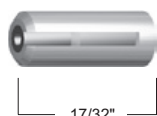
| Size | Part No. | Torch    |
|------|----------|----------|
| .040 | 10N22S   | 17,18,26 |
| 1/16 | 10N23S   | 17,18,26 |
| 3/32 | 10N24S   | 17,18,26 |
| 1/8  | 10N25S   | 17,18,26 |



| Size | Part No. | Torch   |
|------|----------|---------|
| .020 | 13N20    | 9,20,25 |
| .040 | 13N21    | 9,20,25 |
| 1/16 | 13N22    | 9,20,25 |
| 3/32 | 13N23    | 9,20,25 |
| 1/8  | 13N24    | 9,20,25 |



| Size | Part No. | Torch  |
|------|----------|--------|
| .020 | 53N15    | 24,24W |
| .040 | 53N16    | 24,24W |
| 1/16 | 53N14    | 24,24W |
| 3/32 | 24C332   | 24,24W |



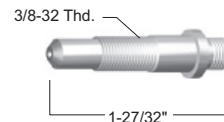
| Size | Part No. | Torch  |
|------|----------|--------|
| .020 | 53N62    | 24,24W |
| .040 | 53N63    | 24,24W |
| 1/16 | 53N64    | 24,24W |



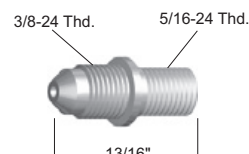
## COLLET BODIES

Qty per pkg: 5

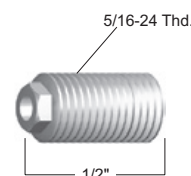
| Size | Part No. | Torch    |
|------|----------|----------|
| .020 | 10N29    | 17,18,26 |
| .040 | 10N30    | 17,18,26 |
| 1/16 | 10N31    | 17,18,26 |
| 3/32 | 10N32    | 17,18,26 |
| 1/8  | 10N28    | 17,18,26 |
| 5/32 | 406488   | 17,18,26 |



| Size | Part No. | Torch   |
|------|----------|---------|
| .020 | 13N25    | 9,20,25 |
| .040 | 13N26    | 9,20,25 |
| 1/16 | 13N27    | 9,20,25 |
| 3/32 | 13N28    | 9,20,25 |
| 1/8  | 13N29    | 9,20,25 |



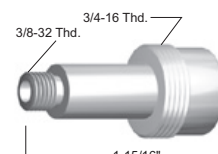
| Size | Part No. | Torch  |
|------|----------|--------|
| .020 | 53N17    | 24,24W |
| 3/32 | 24CB332  | 24,24W |



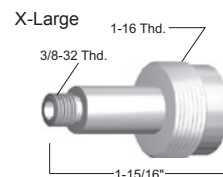
## GAS LENSES

Qty per pkg: 5

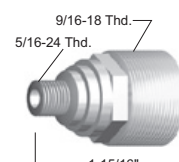
| Size | Part No. | Torch    |
|------|----------|----------|
| .020 | 45V29    | 17,18,26 |
| .040 | 45V24    | 17,18,26 |
| 1/16 | 45V25    | 17,18,26 |
| 3/32 | 45V26    | 17,18,26 |
| 1/8  | 45V27    | 17,18,26 |
| 5/32 | 45V28    | 17,18,26 |



| Size | Part No. | Torch    |
|------|----------|----------|
| 3/32 | 45V64    | 17,18,26 |
| 1/8  | 995795   | 17,18,26 |



| Size | Part No. | Torch      |
|------|----------|------------|
| .020 | 45V41    | 9,20,24,25 |
| .040 | 45V42    | 9,20,24,25 |
| 1/16 | 45V43    | 9,20,24,25 |
| 3/32 | 45V44    | 9,20,24,25 |
| 1/8  | 45V45    | 9,20,24,25 |



## POWER CABLE ADAPTERS

Qty per pkg: 5

| Part No. | Torch |
|----------|-------|
| 45V11    | 18,20 |



| Part No. | Torch |
|----------|-------|
| 105Z57   | 17    |



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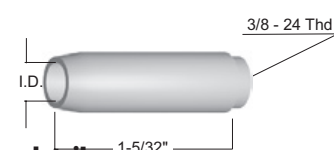
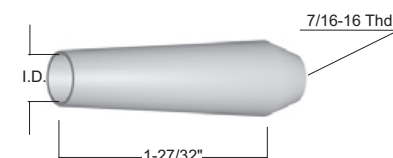
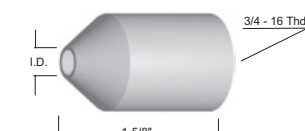
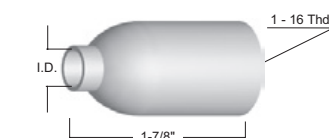
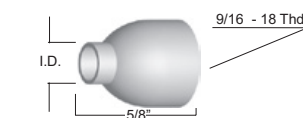
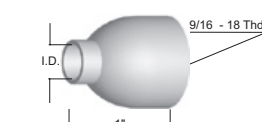
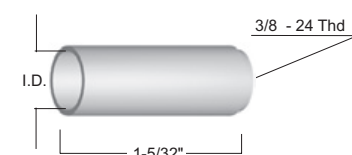
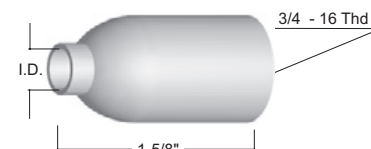
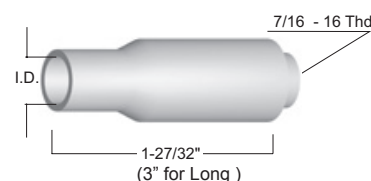
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# REPLACEMENT PARTS SUITABLE FOR TIG TORCHES

ALUMINA CUPS Qty per package: 10

| Part No | I.D.       | Size  | Torches    |
|---------|------------|-------|------------|
| 10N50   | 1/4"       | 4     | 17, 18, 26 |
| 10N49   | 5/16"      | 5     | 17, 18, 26 |
| 10N49L  | Long 5/16" | 5L    | 17, 18, 26 |
| 10N48   | 3/8"       | 6     | 17, 18, 26 |
| 10N48L  | Long 3/8"  | 6L    | 17, 18, 26 |
| 10N47   | 7/16"      | 7     | 17, 18, 26 |
| 10N47L  | Long 7/16" | 7L    | 17, 18, 26 |
| 10N46   | 1/2"       | 8     | 17, 18, 26 |
| 10N45   | 5/8"       | 10    | 17, 18, 26 |
| 10N44   | 3/4"       | 12    | 17, 18, 26 |
| 54N18   | 1/4"       | 4     | 17, 18, 26 |
| 54N17   | 5/16"      | 5     | 17, 18, 26 |
| 54N16   | 3/8"       | 6     | 17, 18, 26 |
| 54N15   | 7/16"      | 7     | 17, 18, 26 |
| 54N14   | 1/2"       | 8     | 17, 18, 26 |
| 54N19   | 11/16"     | Short | 17, 18, 26 |
| 13N08   | 1/4"       | 4     | 9, 20, 25  |
| 13N09   | 5/16"      | 5     | 9, 20, 25  |
| 13N10   | 3/8"       | 6     | 9, 20, 25  |
| 13N11   | 7/16"      | 7     | 9, 20, 25  |
| 13N12   | 1/2"       | 8     | 9, 20, 25  |
| 13N13   | 5/8"       | 10    | 9, 20, 25  |
| 53N58   | 1/4"       | 4     | 9, 20, 24  |
| 53N59   | 5/16"      | 5     | 9, 20, 24  |
| 53N60   | 3/8"       | 6     | 9, 20, 24  |
| 53N61   | 7/16"      | 7     | 9, 20, 24  |
| 53N27   | 3/8"       | #6    | 24         |
| 57N75   | 3/8"       | 6     | 17, 18, 26 |
| 57N74   | 1/2"       | 8     | 17, 18, 26 |
| 53N88   | 5/8"       | 10    | 17, 18, 26 |
| 53N87   | 3/4"       | 12    | 17, 18, 26 |
| 53N89   | 15/16"     | Short | 17, 18, 26 |
| 54N35   | 1/4"       | 4     | 17, 18, 26 |
| 54N34   | 5/16"      | 5     | 17, 18, 26 |
| 54N33   | 3/8"       | 6     | 17, 18, 26 |
| 54N32   | 7/16"      | 7     | 17, 18, 26 |
| 54N31   | 1/2"       | 8     | 17, 18, 26 |
| 54N36   | 11/16"     | Short | 17, 18, 26 |
| 105Z42  | 5/16"      | 5     | 17, 18, 26 |
| 08N78   | 1/2"       | 8     | 17, 18, 26 |
| 08N79   | 5/8"       | 10    | 17, 18, 26 |
| 08N80   | 3/4"       | 12    | 17, 18, 26 |
| 13N14   | 1/4"       | 4     | 9, 20, 25  |



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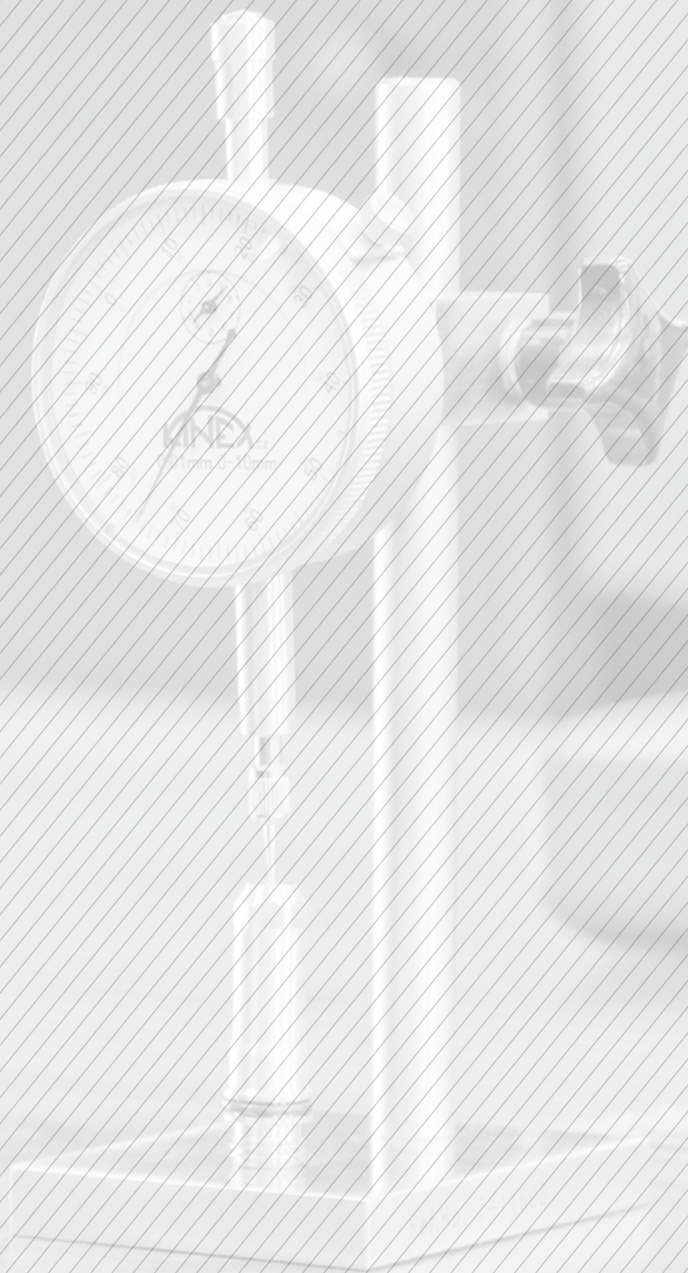
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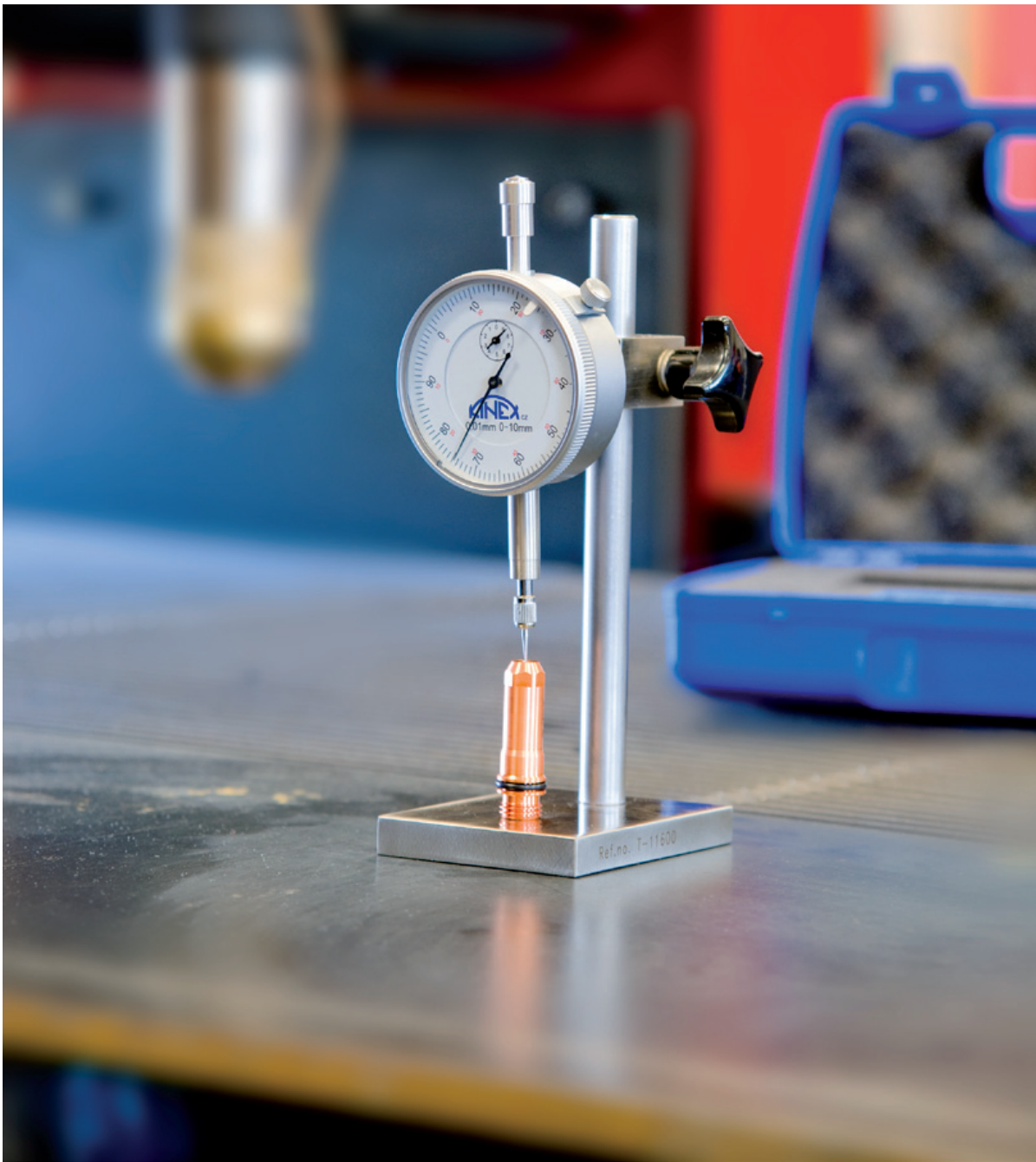
# ACCESSORIES





# THERMACUT

## Electrode Pit-Depth Gauge



| Item | Part No. | Ref. No. | Description              | Std. Pkg. | Item | Part No. | Ref. No. | Description | Std. Pkg. |
|------|----------|----------|--------------------------|-----------|------|----------|----------|-------------|-----------|
| 1.   | T-11600  | T-11600  | Electrode Pt-Depth Gauge | 1         |      |          |          |             |           |

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# THERMACUT

## Heat Shield Grease



| Item | Part No. | Ref. No. | Description        | Std. Pkg. | Item | Part No. | Ref. No. | Description | Std. Pkg. |
|------|----------|----------|--------------------|-----------|------|----------|----------|-------------|-----------|
| 1.   | T-11700  | T-11700  | Heat Shield Grease | 1         |      |          |          |             |           |

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# REVISION HISTORY

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PLASMA OTHER MANUFACTURERS SECTION – Revision on PAGE 129 – 17/07/2014 – Annotation corrected (H839B00-UR changed to H840B00-UR).

ESAB®/L-TEC® SECTION – Revision on PAGES 18–20 – 17/07/2014 – Part No. of part with Ref. No. 35661 corrected to T-11659.

KJELLBERG® SECTION – Revision on PAGES 94–95 – 17/07/2014 – Std. Pkg. of parts T-11225, T-11226, T-11232, T-11233 changed to 5.

ESAB®/L-TEC®, KJELLBERG®, HYPERTHERM® SECTIONS – Revision on PAGES 18–21, 31, 52–53, 56, 57, 60, 61, 96–97, 99 – Annotation about CCW added.

THERMAL DYNAMICS® SECTION – Revision on PAGE 112 – 17/07/2014 – Part T-2163 removed from table.

HYPERTHERM® SECTION – Revision on PAGES 52–53 – 17/07/2014 – “\*” added to the part T-0382.

HYPERTHERM® SECTION – Revision on PAGE 56 – 17/07/2014 – Part T-0087 added to the table. Annotation about CCW added.

TREGASKISS® SECTION – Revision on PAGE 148 – 03/07/2014 – Slight changes of Item, Std. Pkg. and Description columns.

THERMAL DYNAMICS® SECTION – Revision on PAGE 117 – 03/07/2014 – Part 20-1031 OEM removed.

HYPERTHERM® SECTION – Revision on PAGES 52–53 – 03/07/2014 – Part KT-1412 added to the table.

HYPERTHERM® SECTION – Revision on PAGE 34 – 03/07/2014 – Std. Pkg. of parts 120573, 120573-UR, 120574, 120574-UR changed to 5.

CEBORA® SECTION – Revision on PAGE 17 – 27/06/2014 – New parts KT-1048, KT-1057, KT-1070, KT-1083, KT-1128, KT-1273, KT-1086 added to the table.

CEBORA® SECTION – Revision on PAGE 15 – 27/06/2014 – New part KT-1197 added to the table.

CEBORA® SECTION – Revision on PAGES 14, 15 – 27/06/2014 – New part KT-1316 added to the table.

KJELLBERG® SECTION – Revision on PAGES 88–89 – 27/06/2014 – New part KT-1230 added to the table.

KJELLBERG® SECTION – Revision on PAGE 93 – 27/06/2014 – New parts KT-1271, KT-1179, KT-1051, KT-1220, KT-1064, KT-1065 and KT-1218 added to the table.

HYPERTHERM® SECTION – Revision on PAGE 41 – 27/06/2014 – Std. Pkg. of part T-0028 changed to 10.

HYPERTHERM® SECTION – Revision on PAGE 34 – 27/06/2014 – Std. Pkg. of parts T-0089, T-1799, T-0027, T-0028 changed to 10.