

**Quality Products  
for Welding  
Since 1969!**

The Prestay logo features the word "PRESTAY" in a bold, stylized font. The letters are primarily black with yellow highlights, set against a dark background. The letter "Y" includes a registered trademark symbol (®).



2021-2022

# CATALOG



*Quality Welding Accessories  
Since 1948!*



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060121



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**PROFAX**

### QUICK REFERENCE

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## ADDRESS:

319 WEST MAIN  
JACKSON, MO 63755 1



# PRE-ASSEMBLED

## Welding Whips & Ground Leads



Made in the U.S.A.

AF2102

### Pre-Assembled Welding Whip Leads

AF25101



AF-2 Electrode Holder/10 ft #2 cable/LC-1040 connector

AF-25 Electrode Holder/10 ft #1 cable/LC-1040 connector

| MODEL NO. | ITEM NO. | DESCRIPTION                                      |
|-----------|----------|--|
| AF2102    | 0999091  | AF-2/10' of #2 cable & LC-1040 whip connector    |
| AF25101   | 0999094  | AF-25/10' of #1 cable & LC-1040 whip connector   |
| LPG200102 | 099880   | LPG-200/10' of #2 cable & LC-1040 whip connector |
| LPG300101 | 0992403  | LPG-300/10' of #1 cable & LC-1040 whip connector |

LPG200102

### Pre-Assembled Ground Leads

LPG300101



LPG-200 Ground clamp/10 ft #2 cable/LC-1040 connector

LPG-300 Ground clamp/10 ft #1 cable/LC-1040 connector

\* Other lengths and combinations available.



# QUALITY ELECTRODE HOLDERS

## Light, Medium, and Heavy Duty Models

**"AF" Series****"HT" Series**

|                    | <b>Model</b> | <b>Item Code No.</b> | <b>Display Packaged Item Code No.</b> | <b>Amp Capacity</b> | <b>Cable Capacity</b>    | <b>Electrodes Up To</b> | <b>Length</b>   | <b>Weight</b> |
|--------------------|--------------|----------------------|---------------------------------------|---------------------|--------------------------|-------------------------|-----------------|---------------|
| <b>Light Duty</b>  | AF-2         | 01020                | 01020DP                               | 200-250             | 1/0 (50mm <sup>2</sup> ) | 5/32" (3.97mm)          | 8 1/4" (210mm)  | 12 oz. (345g) |
| <b>Medium Duty</b> | AF-25        | 01030                | 01030DP                               | 250-300             | 2/0 (70mm <sup>2</sup> ) | 3/16" (4.75mm)          | 8 1/2" (216mm)  | 16 oz. (450g) |
|                    | AF-3         | 01040                | -                                     | 300-350             | 2/0 (70mm <sup>2</sup> ) | 1/4" (6.35mm)           | 10" (254mm)     | 21 oz. (600g) |
| <b>Heavy Duty</b>  | AF-35        | 01050                | -                                     | 350-400             | 3/0 (70mm <sup>2</sup> ) | 1/4" (6.35mm)           | 10" (254mm)     | 24 oz. (680g) |
|                    | AF-50        | 01060                | -                                     | 450-500             | 4/0 (95mm <sup>2</sup> ) | 3/8" (9.53mm)           | 10 1/2" (267mm) | 31 oz. (880g) |
| <b>Light Duty</b>  | HT-2         | 01320                | 01320DP                               | 200-250             | 1/0 (50mm <sup>2</sup> ) | 5/32" (3.97mm)          | 9" (229mm)      | 13 oz. (360g) |
| <b>Medium Duty</b> | HT-25        | 01330                | 01330DP                               | 250-300             | 2/0 (70mm <sup>2</sup> ) | 3/16" (4.75mm)          | 9 3/4" (248mm)  | 19 oz. (540g) |
|                    | HT-3         | 01340                | -                                     | 300-350             | 2/0 (70mm <sup>2</sup> ) | 1/4" (6.35mm)           | 10 1/2" (267mm) | 23 oz. (650g) |
| <b>Heavy Duty</b>  | HT-35        | 01350                | -                                     | 350-400             | 3/0 (70mm <sup>2</sup> ) | 1/4" (6.35mm)           | 10 1/2" (267mm) | 24 oz. (680g) |
|                    | HT-50        | 01360                | -                                     | 450-500             | 4/0 (95mm <sup>2</sup> ) | 3/8" (9.53mm)           | 10 1/2" (267mm) | 31 oz. (880g) |

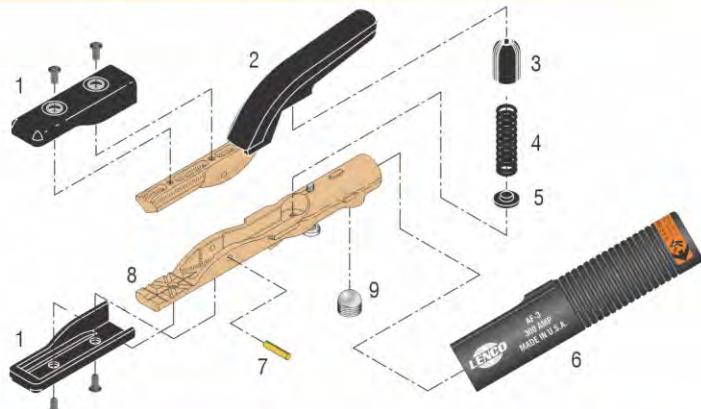
Holders may be custom imprinted with company name. (Contact **LENCO** for details.)

### Holder Replacement Parts

Replacement parts for all LENCO electrode holders are available and easily installed. Select the parts you need from the illustration. Part names are shown below and the part number is under the holder number in the same column.

#### ELECTRODE HOLDER

1. Tip Insulator w/Screws
2. Upper Body Tong, Insulated
3. Spring Cup Insulator
4. Spring Set (with items 3 & 5)
5. Spring Flat Insulator
6. Molded Handle
7. Hinge Pin
8. Lower Body Tong
9. Oval-Point Screw



### "AF"/"HT" - Series

| <b>Item No.</b> | <b>Description</b>                                    | <b>Electrode Holder Model and Item Code No.</b> |             |              |              |             |             |              |              |              |              |
|-----------------|---|---|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|
|                 |   | <b>AF-2</b>                                     | <b>HT-2</b> | <b>AF-25</b> | <b>HT-25</b> | <b>AF-3</b> | <b>HT-3</b> | <b>AF-35</b> | <b>HT-35</b> | <b>AF-50</b> | <b>HT-50</b> |
| 1               | Tip Insulator, w/Screw                                | 01325   | 01325       | 01325        | 01325        | 01335       | 01335       | 01335        | 01335        | 01335        | 01335        |
| 2               | Upper Body Tong                                       | 01021   | 01321       | 01031        | 01331        | 01051       | 01341       | 01051        | 01341        | 01051        | 01341        |
| 3               | Spring Cup Insulator                                  | 01027   | 01071       | 01071        | 01337        | 01071       | 01337       | 01071        | 01337        | 01071        | 01337        |
| 4               | Spring Set, w/Insulators (Lexan Cup & Flat Insulator) | 01026   | 01324       | 01034        | 01334        | 01054       | 01334       | 01054        | 01334        | 01069        | 01364        |
| 5               | Spring Flat Insulator                                 |   |             | 01070        | 01070        | 01070       | 01070       | 01070        | 01070        | 01070        | 01070        |
| 6               | Molded Handle   | 01023   | 01323       | 01033        | 01333        | 01042       | 01343       | 01053        | 01353        | 01066        | 01363        |
| 7               | Hinge Pin   | 01214   | 01214       | 01214        | 01214        | 01223       | 01223       | 01223        | 01223        | 01223        | 01223        |
| 8               | Lower Body Tong                                       | 01022   | 01022       | 01032        | 01032        | 01041       | 01041       | 01052        | 01052        | 01062        | 01062        |
| 9               | Oval-Point Screw                                      | 01025   | 01025       | 01025        | 01025        | 01225       | 01225       | 01068        | 01068        | 01068        | 01068        |
|                 | Tip Insulator Screws, doz.                            | 01065   | 01065       | 01065        | 01065        | 01065       | 01065       | 01065        | 01065        | 01065        | 01065        |



# FULLY INSULATED DURO HOLDERS

*Light, Medium, and Heavy Duty Models*

## DEPENDABLE ELECTRODE HOLDERS

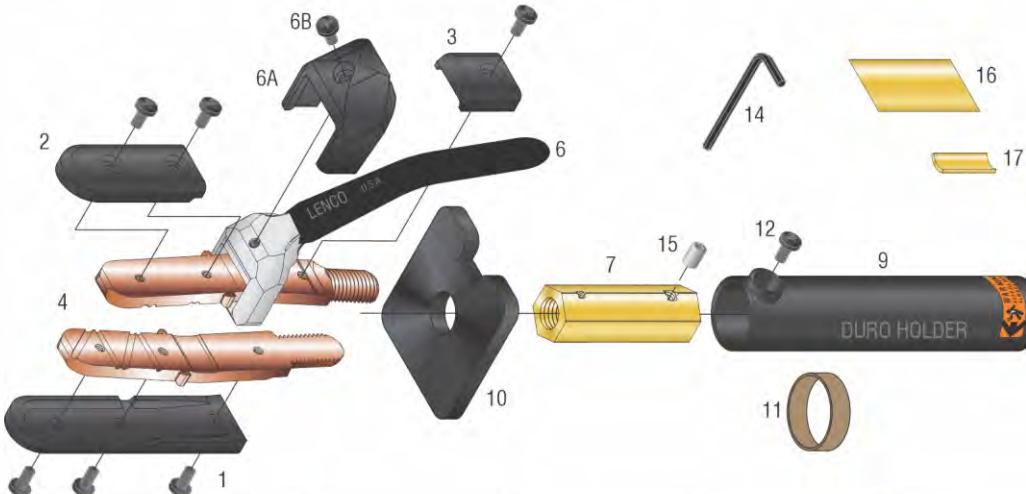
Duro has produced dependable and efficient holders since 1932. They are lightweight and perfectly balanced to make working less awkward no matter where the weld must be made. The jaws are made with a unique internal tension design which is extremely durable. The positive energy saving grip of the jaws holds large or small electrodes equally well. All parts are easily replaced using a screwdriver and wrench. Check these features:



**"This is the Original Duro Product."**

- Unique internal tension design lasts longer
- Positive grip jaws hold small or large electrodes
- Easily replace parts quickly using only screwdriver and wrench
- No coil spring to lose its tension
- Safe, square guard protects hands from heat; prevents rolling and grounding when set down
- Screw-in type jaws replaced with only a wrench
- Cool operating and cool handling

| Model              | Item Code No. | Amp Capacity | Cable Capacity           | Electrodes Up To | Length          | Weight        |
|--------------------|---------------|--------------|--------------------------|------------------|-----------------|---------------|
| <b>Light Duty</b>  | 250-I         | 250          | 1/0 (50mm <sup>2</sup> ) | 3/16" (4.75mm)   | 9-1/2" (241mm)  | 13 oz. (360g) |
| <b>Medium Duty</b> | 300-I         | 300          | 2/0 (70mm <sup>2</sup> ) | 1/4" (6.3mm)     | 11-5/8" (295mm) | 20 oz. (570g) |
| <b>Heavy Duty</b>  | 400-I         | 400          | 3/0 (70mm <sup>2</sup> ) | 5/16" (7.9mm)    | 12-1/4" (311mm) | 24 oz. (677g) |
|                    | 600-I         | 600          | 4/0 (95mm <sup>2</sup> ) | 3/8" (9.5mm)     | 13-1/4" (337mm) | 36 oz. (1kg)  |



| DESCRIPTION                                    | ITEM NO. | #250-I      | #300-I      | #400-I     | #600-I           |
|--|----------|-------------|-------------|------------|------------------|
| Bottom Jaw Insulator                           | 1        | 016251      | 016301      | 016401     | 016401           |
| Top Jaw Insulator - Large                      | 2        | 016252      | 016302      | 016402     | 016402           |
| Top Jaw Insulator - Small                      | 3        | 016253      | 016303      | 016403     | 016403           |
| Jaws - Plain (upper & lower)                   | 4        | 016254      | 016304      | 016404     | 016404           |
| Jaws with Insulators                           |          | 016255      | 016305      | 016405     | 016405           |
| Trigger - Plain                                | 6        | 016256      | 016256      | 016256     | 016256           |
| Trigger Insulator Cover                        | 6A       | 016256A     | 016256A     | 016256A    | 016256A          |
| Trigger Insulator Screw - 6 pcs                | 6B       | 016256B-6   | 016256B-6   | 016256B-6  | 016256B-6        |
| Brass Core w/Hardware Kit                      | 7        | 016257      | 016307      | 016407     | 016607           |
| Trigger with Insulator                         |          | 016258      | 016258      | 016258     | 016258           |
| Handle   | 9        | 016259      | 016309      | 016409     | 016609           |
| Guard  | 10       | 0162510     | 016310      | 016410     | 016410           |
| Rubber Insulator for Handle Screw              | 11       | N/A         | 016311      | 016311     | 016311           |
| Handle Screw                                   | 12       | 0162512     | 016312      | 016312     | 016312           |
| Screw for Jaw Insulation - 6 pcs               |          | 016256B-6   | 016256B-6   | 016413-6   | 016413-6         |
| Screw for Jaw Insulation - 100 pcs             |          | 016256B-100 | 016256B-100 | 016413-100 | 016413-100       |
| Allen Wrench                                   | 14       | 0162514     | 0162514     | 0162514    | 016614           |
| Set Screw for Core<br>Requires 2 for 400 & 600 | 15       | 0162515     | 0162515     | 0162515    | 016615<br>Uses 2 |
| Brass Foil                                     | 16       | 0162516     | 0162516     | 0162516    | 0162516          |
| Curved Brass Piece                             | 17       | 0162517     | 0162517     | 0162517    | 0162517          |



# QUALITY ELECTRODE HOLDERS

## "Twister" and Isolator Electrode Holder



The LT-250/400 design minimizes exposed screws, internal metal parts or any current carrying members in the holder for added user safety.



|             | Model    | Item Code No. | Amp Capacity | Cable Capacity           | Electrodes Up To | Length           | Weight         |
|-------------|----------|---------------|--------------|--------------------------|------------------|------------------|----------------|
| Medium Duty | LT-250   | 01420         | 250          | 2/0 (70mm <sup>2</sup> ) | 3/16" (4.75mm)   | 8" (203mm)       | 11 oz. (310g)  |
|             | RHA-250* | 01430         | 250          | —                        | 3/16" (4.75mm)   | 3-1/2" (89mm)    | 5.4 oz. (153g) |
| Heavy Duty  | LT-400   | 01410         | 400          | 3/0 (70mm <sup>2</sup> ) | 1/4" (6.35mm)    | 8-15/16" (227mm) | 22 oz. (624g)  |
|             | RHA-400* | 01400         | 400          | —                        | 1/4" (6.35mm)    | 4-1/8" (105mm)   | 9 oz. (255g)   |

\*MODEL RHA-250/400 Replaceable Head Only

Holders may be custom imprinted with company name.

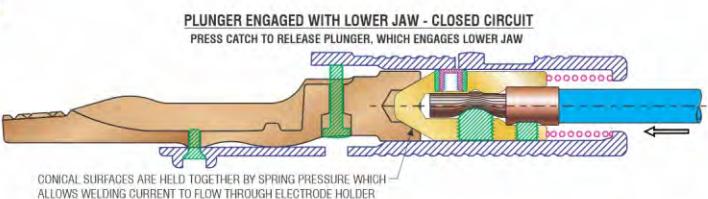
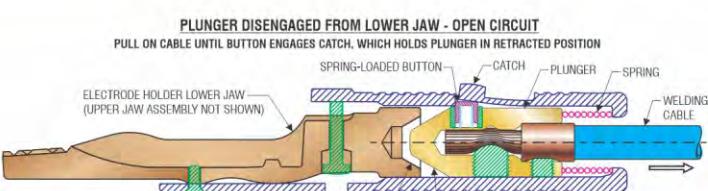
### LT-250/400 Holder Replacement Parts



| Item No. | Description          | LT-250 Item Code No. | LT-400 Item Code No. |
|----------|----------------------|----------------------|----------------------|
| 1.       | Head Insulator       | 01422                | 01472                |
| 2.       | Head Insulator Screw | 01485                | 01485                |
| 3.       | Head Member          | 01427                | 01477                |
| 4.       | Spring Cup           | 01425                | 01284                |
| 5.       | Spring Coil          | 01426                | 01286                |

| Item No. | Description          | LT-250 Item Code No. | LT-400 Item Code No. |
|----------|----------------------|----------------------|----------------------|
| 6.       | Handle               | 01424                | 01474                |
| 7.       | Pressure Pin         | 01423                | 01481                |
| 8.       | Brass Body w/Screws  | 01432                | 01482                |
| 9.       | Pressure Pin Screw   | 01485                | 01485                |
| 10.      | Oval-Point Screw (2) | 01025 (1)            | 01025 (2)            |

### Isolator Holders



| Model  | Item Code No. | Description               |
|--------|---------------|---------------------------|
| IS-25  | 01525         | AF Style Isolator w/cable |
| ISH-25 | 01555         | HT Style Isolator w/cable |

### FEATURES

- Electrode holder with locking mechanism
- Helps protect user from OCV
- Safely reinsert electrode and position into tight, difficult areas
- Available in AF or HT style holders, designed for 250 amps using 3/16" electrode maximum
- Complete with 12' of No. 2 cable & LC-1040 male connector or optional Dinsle Style connector.



# GROUND CLAMPS

A good ground connection is just as important in a welding circuit as the holder and the cables. A good ground clamp reduces energy costs, extends cable life, helps produce consistent welds and allows ground location to be easily changed.

## Economy Ground Clamps



**MG-180**



**EG-200**



**EG-300**



**EG-500**

The Model **MG-180** is a molded non-conductive ground clamp with copper jaws.

The Model **EG-200** ground clamp is ideal for light duty welding. May be used for other light duty applications.

The Model **EG-300** ground clamp is ideal for the farm welder or for light shop work.

The Model **EG-500** is excellent for field erection or where clamping to bar stock, piping or various shapes of metal is necessary. The pure copper braided shunt allows both high copper alloy jaws to carry welding current. A rugged, all steel body protects the heavy duty spring.

| Model  | Item Code No. | Amp Capacity                               | Type of Cable Connection  | Weight         | Jaw Opening  |
|--------|---------------|--|---------------------------|----------------|--------------|
| MG-180 | 02180         | 180  | Bolt and Nut with Support | 6.7 oz. (193g) | 2" (51mm)    |
| EG-200 | 02000         | 200  | Bolt and Nut with Support | 6 oz. (170g)   | 1½" (38.1mm) |
| EG-300 | 02040         | 300  | Bolt and Nut with Support | 11 oz. (310g)  | 2" (51mm)    |
| EG-500 | 02050         | 500  | Bolt and Nut with Support | 22 oz. (620g)  | 2" (51mm)    |
| —      | 02055         | Replacement Contact Stud w/Nut - EG-500    | —                         | —              | —            |
| —      | 02056         | Replacement Double Hump Jaw w/Nut - EG-500 | —                         | —              | —            |

## Quality • High Copper Alloy • Insulated Spring

- LENCO ground clamps have the largest contact area with the work of any clamp on the market. Serrated upper and lower jaws insure maximum bite to the work. A good ground clamp helps assure proper voltage for maximum weld results with all rods.

- Both upper and lower jaws of all three models are made from a high copper alloy assuring excellent current carrying ability. No steel jaws are used. A good ground connection assures better welds.

- A tough, brass hinge pin is durable and allows both jaws to carry current. The enclosed heavy duty spring assures a powerful bite on the work. The insulation on top and bottom provides extended spring life.

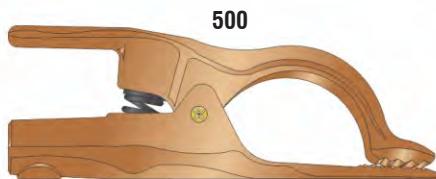
- All six of the LENCO ground clamps have the oval-point screw cable connection which is easy to install. No shim stock or pressure plate is needed.



**200**



**300**



**500**

| Model | Item Code No. | Amp Capacity | Cable Capacity                            | Type of Cable Connection    | Weight        | Jaw Opening  |
|-------|---------------|--------------|---|-----------------------------|---------------|--------------|
| 200   | 02010         | 200          | No.4 thru No.1/0(25-50mm <sup>2</sup> )   | Mechanical Oval-Point Screw | 13 oz. (370g) | 1" (25.4mm)  |
| 300   | 02020         | 300          | No.1/0 thru No.2/0(50-70mm <sup>2</sup> ) | Mechanical Oval-Point Screw | 26 oz. (740g) | 1½" (38.1mm) |
| 500   | 02030         | 500          | No.3/0 thru No.4/0(70-95mm <sup>2</sup> ) | Mechanical Oval-Point Screw | 35 oz. (995g) | 1½" (38.1mm) |



**LPG-200**



**LPG-300**



**LPG-500**

| Model   | Item Code No. | Amp Capacity | Cable Capacity                            | Type of Cable Connection    | Weight        | Jaw Opening  |
|---------|---------------|--------------|---|-----------------------------|---------------|--------------|
| LPG-200 | 02011         | 200          | No. 4 thru No. 1/0(25-50mm <sup>2</sup> ) | Mechanical Oval-Point Screw | 13 oz. (370g) | 1" (25.4mm)  |
| LPG-300 | 02021         | 300          | No.1/0 thru No.2/0(50-70mm <sup>2</sup> ) | Mechanical Oval-Point Screw | 25 oz. (709g) | 1½" (38.1mm) |
| LPG-500 | 02031         | 500          | No.3/0 thru No.4/0(70-95mm <sup>2</sup> ) | Mechanical Oval-Point Screw | 38 oz. (11kg) | 2" (51mm)    |

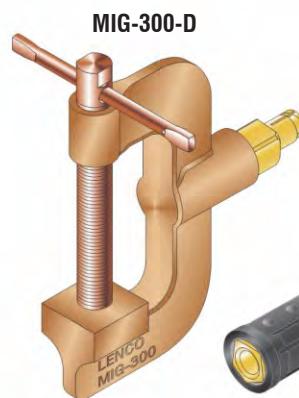
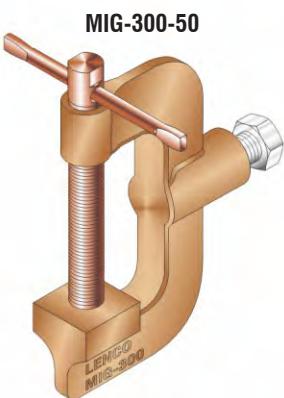
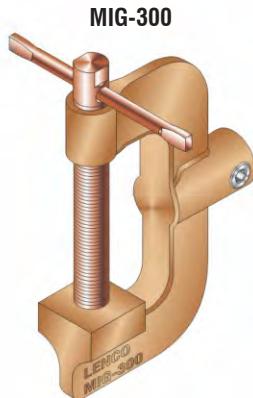


# GROUND CLAMPS

LENCO's **MIG-300/MIG-600** ground clamps are designed especially for the MIG welding process. Their powerful bite allows for low resistance ground connections. They have a full two-inch opening and a copper coated steel pressure screw. The copper coated steel "T" handle makes it easy to apply maximum pressure.

## MIG-300 Ground Clamps

- *Designed Especially for MIG Welding • Reduce Voltage Drop*

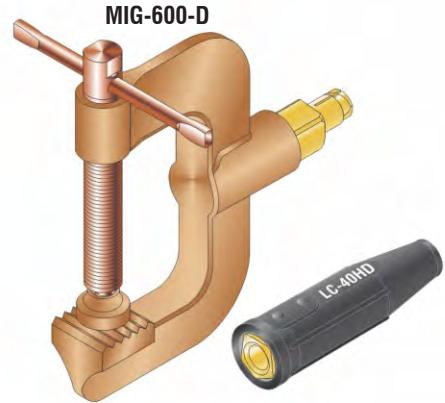
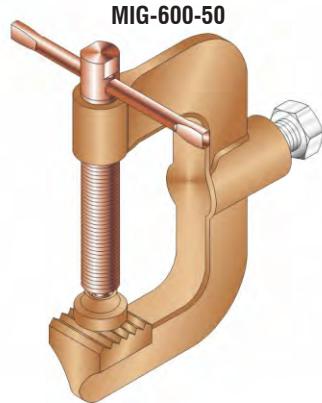
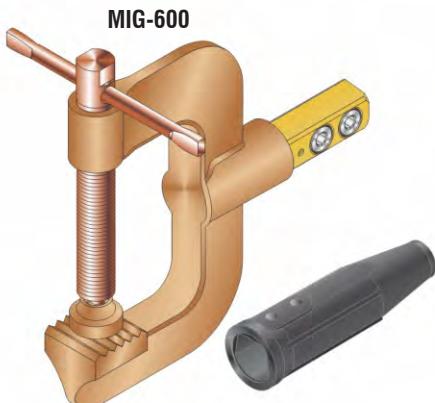


Comes with LC-40 Female

| Model      | Item Code No. | Amp Capacity | Cable Capacity                               | Type of Cable Connection    | Weight            | Jaw Opening | Throat Depth  |
|------------|---------------|--------------|--|-----------------------------|-------------------|-------------|---------------|
| MIG-300    | 02075         | 300          | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | Single Oval-Point Screw     | 1.5 lbs. (648.5g) | 2" (51mm)   | 1-3/4" (44mm) |
| MIG-300-50 | 02077         | 300          | Appropriate Size Lugged Cable                | 1/2 - 13                    | 1.5 lbs. (648.5g) | 2" (51mm)   | 1-3/4" (44mm) |
| MIG-300-D  | 02082         | 300          | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | Detachable Cable Connection | 2 lbs. (932.7g)   | 2" (51mm)   | 1-3/4" (44mm) |

## MIG-600 Ground Clamps

- *Designed Especially for MIG Welding • Reduce Voltage Drop*



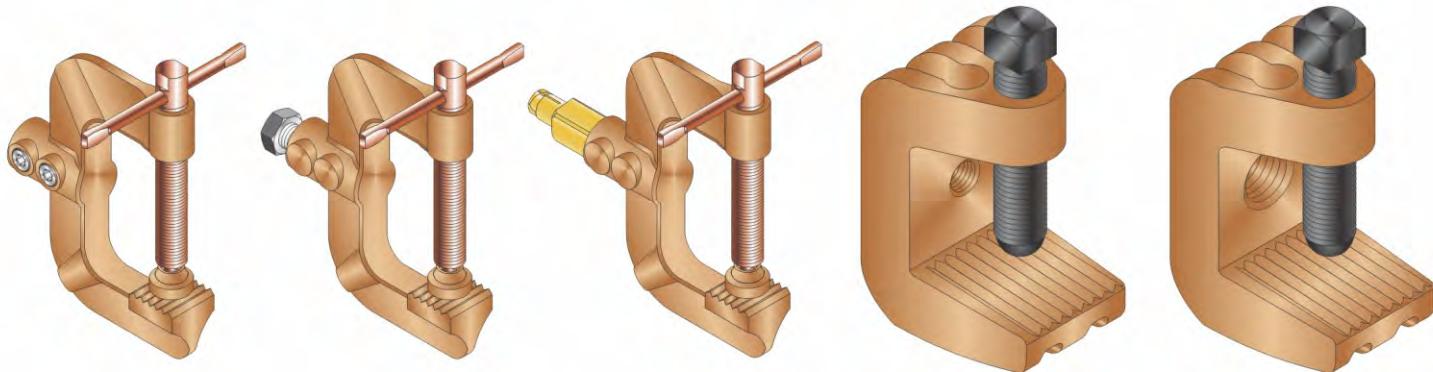
Comes with LC-40HD Female

| Model      | Item Code No. | Amp Capacity | Cable Capacity                              | Type of Cable Connection    | Weight           | Jaw Opening | Throat Depth  |
|------------|---------------|--------------|---|-----------------------------|------------------|-------------|---------------|
| MIG-600    | 02070         | 600          | No.3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) | Two Oval-Point Screws       | 3.5 lbs. (1.6kg) | 2" (51mm)   | 2-1/8" (54mm) |
| MIG-600-50 | 02071         | 600          | Appropriate Size Lugged Cable               | 1/2 - 13                    | 3.5 lbs. (1.6kg) | 2" (51mm)   | 2-1/8" (54mm) |
| MIG-600-D  | 02081         | 600          | No.3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) | Detachable Cable Connection | 3.9 lbs. (1.8kg) | 2" (51mm)   | 2-1/8" (54mm) |



# HEAVY DUTY GROUND CLAMPS

## Model "G"/G-1500 Ground Clamps



Model "G"

Model G-50

Model G-50WDM

Model G-1500-34

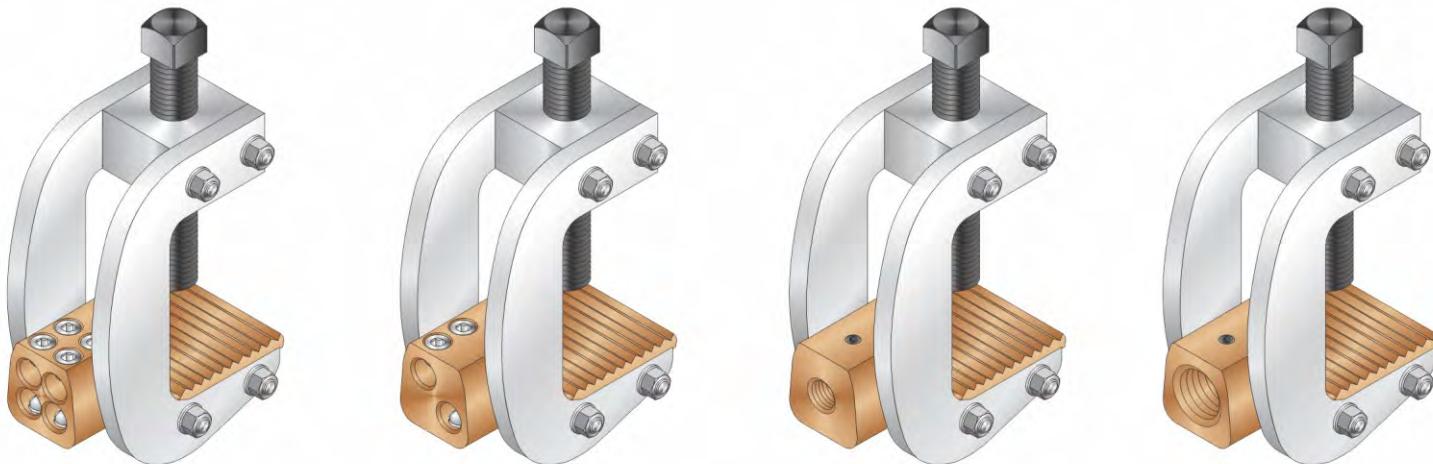
Model G-1500-138

- Reduce Voltage Drop**

Apply up to 2,000 lbs. (907kg) pressure with the heavy duty pressure screw. The "G" and G-1500 are cast out of a heavy alloy material designed for high amperage applications. The design maximizes surface contact area which provides cool and efficient operation. The G-1500 can also be used with LENCO's R-4C & LRG Series Rotary Grounds (see pages 10-11).

| Model      | Item Code No. | Amp Capacity | Type of Connection          | Weight          | Jaw Opening     | Throat Depth  | Cable Capacity                            |
|------------|---------------|--------------|-----------------------------|-----------------|-----------------|---------------|---|
| G          | 02060         | 600          | Two Oval-Point Screws       | 70.4 oz.(2kg)   | 3-3/8" (85.7mm) | 3-1/8" (79mm) | No.3/0 thru No.4/0(70-95mm <sup>2</sup> ) |
| G-50       | 02061         | 600          | 1/2 - 13 Screw              | 70.4 oz.(2kg)   | 3-3/8" (85.7mm) | 3-1/8" (79mm) | Appropriate Size Lugged Cable             |
| G-50WDM    | 02069         | 600          | Detachable Cable Connection | 70.4 oz.(2kg)   | 3-3/8" (85.7mm) | 3-1/8" (79mm) | No.3/0 thru No.4/0(70-95mm <sup>2</sup> ) |
| G-1500-34  | 02230         | 1500         | 3/4 - 10 F. Thread          | 9.5 lbs.(4.3kg) | 3" (76.2mm)     | 3" (76.2mm)   | N/A                                       |
| G-1500-138 | 02240         | 2000         | 1-3/8 - 6 F. Thread         | 9.5 lbs.(4.3kg) | 3" (76.2mm)     | 3" (76.2mm)   | N/A                                       |

## Model RBG1500 Ground Clamps - Totally Rebuildable



RBG1500-4/40

RBG1500-2/250

RBG1500-34

RBG1500-138

- Heavy Duty fits large diameter pipe & thick plate up to 4-1/2"
- Strong steel frame that will not spread open

- Heavy copper base for efficient current transfer
- Special larger jaw opening available on request up to 12" & above**

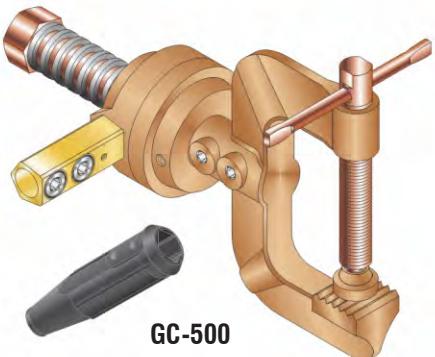
| Model         | Item Code No. | Amp Capacity | Type of Connection  | Weight           | Jaw Opening   | Throat Depth | Cable Capacity     |
|---------------|---------------|--------------|---------------------|------------------|---------------|--------------|--------------------|
| RBG1500-4/40  | 02620         | 1500         | 8 Oval-Point Screws | 13.2 lbs.(6.0kg) | 4½" (114.3mm) | 3" (76.2mm)  | 4 ea. - 4/0 cables |
| RBG1500-2/250 | 02630         | 1500         | 4 Oval-Point Screws | 13.6 lbs.(6.2kg) | 4½" (114.3mm) | 3" (76.2mm)  | 2 ea. - 250MCM     |
| RBG1500-34    | 02610         | 1500         | 3/4 - 10 F. Thread  | 13.8 lbs.(6.3kg) | 4½" (114.3mm) | 3" (76.2mm)  | N/A                |
| RBG1500-138   | 02600         | 2000         | 1-3/8 - 6 F. Thread | 13.2 lbs.(6.0kg) | 4½" (114.3mm) | 3" (76.2mm)  | N/A                |



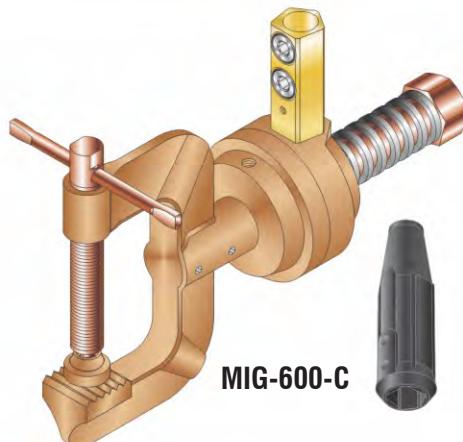
# GROUND CLAMPS

## ROTARY GROUNDS

### ROTARY GROUND CLAMPS



The two LENCO rotary devices shown here, the **GC-500** and the **MIG-600-C**, are combinations of LENCO products to provide rotating grounds. Both use the **Model "C"** rotary clamp. Both are designed to make it easy to attach the rotating portion to the work. The units come completely assembled, ready to attach to the work. They are field proven and do an excellent job.

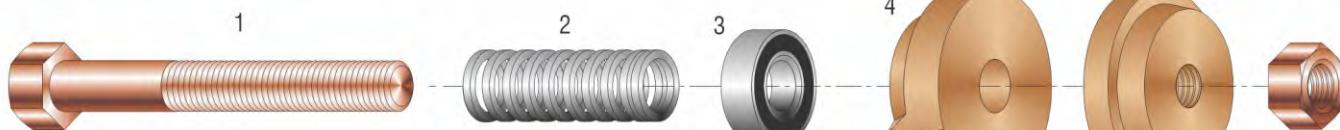
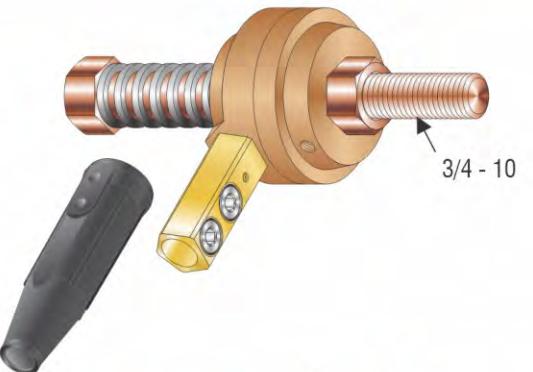


| Model     | Item Code No. | Amp Capacity | Cable Fitting Thread | Type of Cable Connection                        | Weight         | Jaw Opening     | Throat Depth  | Cable Capacity                         |
|-----------|---------------|--------------|----------------------|---|----------------|-----------------|---------------|--|
| GC-500    | 02120         | 500          | 1/2 - 13             | 2 Oval-Point Screws, with Cover                 | 8 lbs. (3.6kg) | 3-3/8" (85.7mm) | 2-1/2" (64mm) | No.3/0 thru 4/0(70-95mm <sup>2</sup> ) |
| —         | 02121         | 500          | 1/2 - 13             | Replacement C clamp for GC-500                  |                |                 |               |  |
| MIG-600-C | 02130         | 500          | 1/2 - 13             | 2 Oval-Point Screws, with Cover                 | 7 lbs. (3.2kg) | 2" (51mm)       | 2-1/8" (54mm) | No.3/0 thru 4/0(70-95mm <sup>2</sup> ) |
| —         | 02132         | 500          | 1/2 - 13             | Replacement C clamp for MIG-600-C               |                |                 |               |  |
| —         | 05345         |              |                      | Insulating Cover (Black) Standard Cable Fitting |                |                 |               |  |

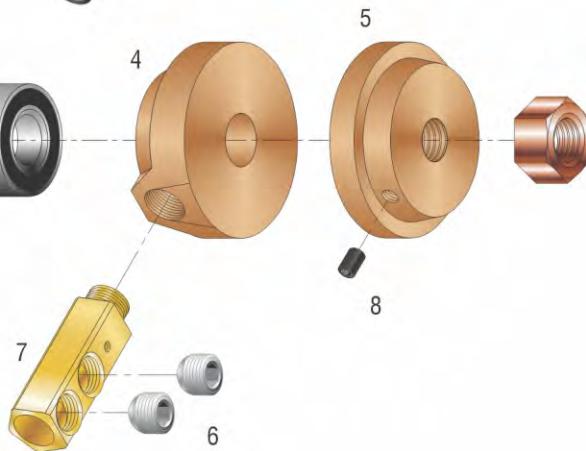
### Model "C" Rotary Grounds

The **MODEL "C"** rotary clamp bolts the stationary contact plate directly to the work. The movable contact plate revolves like a "ferris wheel action" and the spring keeps tension on the two faces. Current flow is between machined faces. Cables will not bind. The Model "C" can also be installed on the end for rotary work.

| Model | Item Code No. | Amp Capacity | Type of Cable Connection                        | Weight           | Cable Capacity                           |
|-------|---------------|--------------|---|------------------|--|
| C     | 02080         | 500          | Double Oval-Point Screws                        | 3.5 lbs. (1.6kg) | No. 3/0 thru 4/0 (70-95mm <sup>2</sup> ) |
| —     | 05345         |              | Insulating Cover (Black) Standard Cable Fitting |                  |  |



| No. | Item Code No. | Item Description                           |
|-----|---------------|--|
| 1.  | 02283         | Mounting Bolt w/Nut [3/4 - 10 x 6"(152mm)] |
| 2.  | 02284         | Pressure Spring                            |
| 3.  | 02286         | Bearing-Thrust                             |
| 4.  | 02282         | Movable Contact Plate                      |
| 5.  | 02281         | Stationary Contact Plate                   |
| 6.  | 01068         | Oval-Point Screw (2)                       |
| 7.  | 02085         | Cable Fitting (1/2 - 13)                   |
| 8.  | 02285         | Set Screw (5/16 - 18)                      |

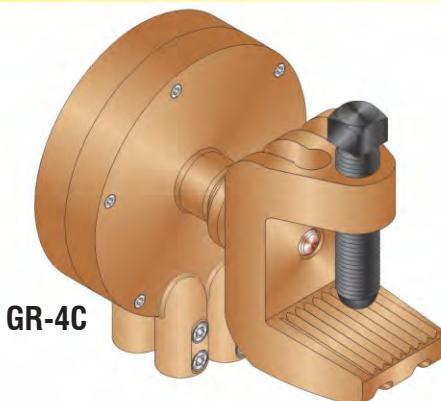
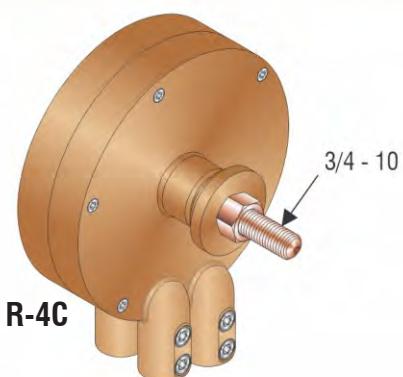




# ROTARY GROUND CLAMPS

LENCO rotary grounds stop the twisting of welding cables where the work rotates.

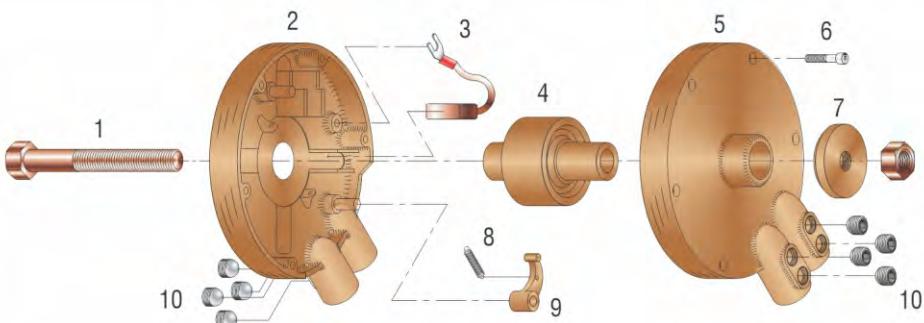
## Model "R-4C-"/"GR-4C" Rotary Grounds



| Model | Item Code No. | Amp Capacity | Type of Cable Connection               | Weight           | Jaw Opening | Throat Depth | Cable Capacity                           |
|-------|---------------|--------------|--|------------------|-------------|--------------|--|
| R-4C  | 02200         | 1500         | (4) Double Oval-Point Screw Connection | 23 lbs. (10.4kg) | —           | —            | No. 3/0 thru 4/0 (70-95mm <sup>2</sup> ) |
| GR-4C | 02220         | 1500         | (4) Double Oval-Point Screw Connection | 33 lbs. (15.4kg) | 3"(76.2mm)  | 3"(76.2mm)   | No. 3/0 thru 4/0 (70-95mm <sup>2</sup> ) |

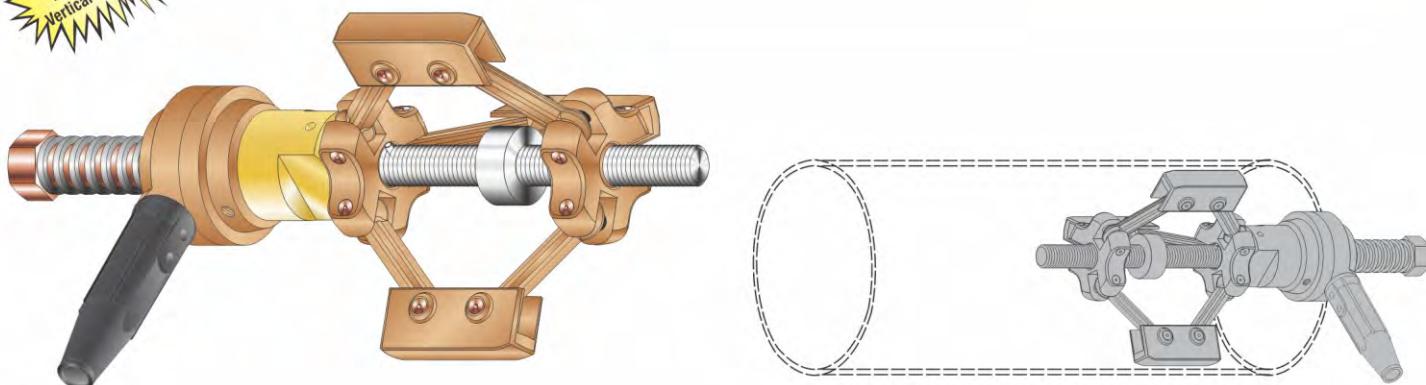
### MODEL "R-4C" REPLACEMENT PARTS LIST

| Item No. | Item Code No. | Description                                  |
|----------|---------------|--|
| 1.       | 02108         | Mounting Bolt w/Nut [3/4 - 10 x 7½" (190mm)] |
| 2.       | 02101         | Clamp Housing, Threaded                      |
| 3.       | 02104         | Brushes (4)                                  |
| 4.       | 02103         | Rotor  |
| 5.       | 02102         | Clamp Housing, Counterbored                  |
| 6.       | 02107         | Cap Screw (5)                                |
| 7.       | 02109         | Contact Plate                                |
| 8.       | 02106         | Brush Finger Spring (4)                      |
| 9.       | 02105         | Brush Finger (4)                             |
| 10.      | 01068         | Oval-Point Screw (8)                         |



## PRG -48ID/816ID Rotating Internal Pipe Ground Clamps

Designed for  
Horizontal &  
Vertical Positions



The LENCO PRG-48ID and PRG-816ID Ground Clamps are designed for vertical or horizontal positions of manual, semi-automatic or fully automatic welding applications. The PRG series has three pads which, when positioned, make direct contact with the inside of the pipe being welded or cut - eliminating the need for additional mounting brackets or threaded assemblies. The PRG Series Ground Clamps utilize the reliable "C" rotary ground that incorporates both a stationary and movable contact plate that rotates 360°. The spring keeps tension on the two faces and is easily adjustable for various applications. By tightening or loosening the flange, the PRG grounds are easily installed or removed.

| Model    | Item Code No. | Amp Capacity | Description                            | Type of Cable Connection | Weight             | Cable Capacity                               |
|----------|---------------|--------------|--|--------------------------|--------------------|--|
| PRG-48ID | 02700         | 500          | Pipe Rotating Ground; 4½"-8" I.D. Pipe | Double Oval-Point Screws | 10.5 lbs. (4.77kg) | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |
| PRG816ID | 02710         | 500          | Pipe Rotating Ground; 8"-16" I.D. Pipe | Double Oval-Point Screws | 14 lbs. (6.36kg)   | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |



# ROTARY GROUND CLAMPS

*Model LRG-140/LRG-240/LRG-440/LRG-640 Rotating Grounds*



LRG-140



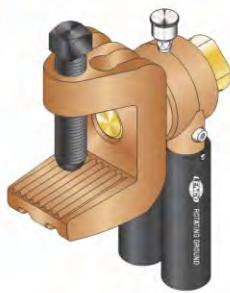
LRG-240



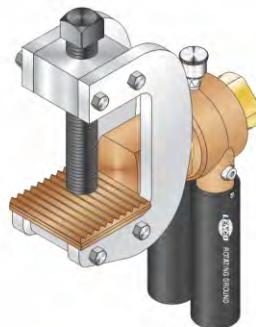
LRG-440



LRG-640



LRG-240 w/G-1500-138

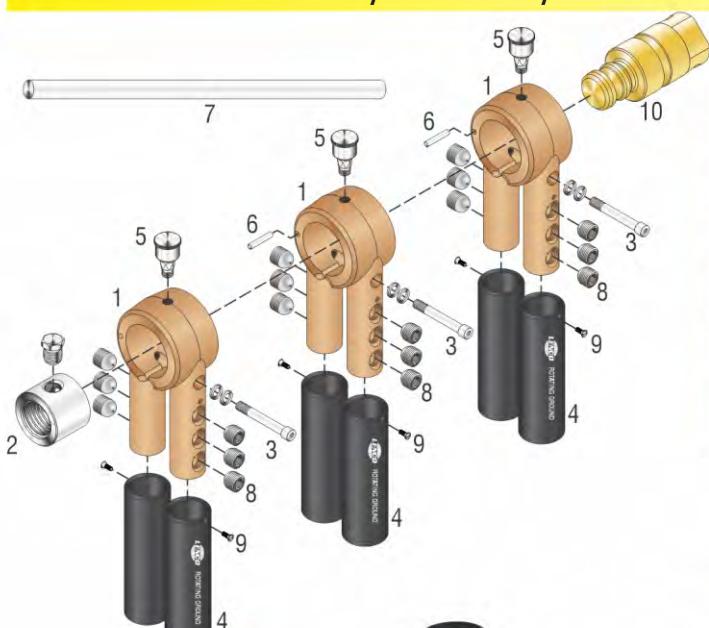


LRG-240 w/RBG1500-138

**LENCO** Rotating Grounds ranging from 400 amp to 2000 amperage rating. Each Rotating Ground can be permanently welded to the work or easily attached by using the G-1500-138 or RBG1500-138 "C" type clamp.

| Model       | Item Code No. | Amp Capacity | Type of Cable Connection               | Cable Capacity                       | Number of Heads | Shaft Stud Size | Weight             |
|-------------|---------------|--------------|--|--------------------------------------|-----------------|-----------------|--------------------|
| LRG-140     | 02500         | 400          | (1) Triple Oval-Point Screw Connection | 1 EA. 3/0-4/0(70-95mm <sup>2</sup> ) | 1               | 3/4"-10 NC      | 3.60 lbs. (1.63kg) |
| LRG-240     | 02510         | 800          | (2) Triple Oval-Point Screw Connection | 2 EA. 3/0-4/0(70-95mm <sup>2</sup> ) | 1               | 1-3/8" NC       | 8.75 lbs.(3.97kg)  |
| LRG-440     | 02520         | 1500         | (4) Triple Oval-Point Screw Connection | 4 EA. 3/0-4/0(70-95mm <sup>2</sup> ) | 2               | 1-3/8" NC       | 15.25 lbs.(6.92kg) |
| LRG-640     | 02530         | 2000         | (6) Triple Oval-Point Screw Connection | 6 EA. 3/0-4/0(70-95mm <sup>2</sup> ) | 3               | 1-3/8" NC       | 21.75 lbs.(9.87kg) |
| G-1500-138  | 02240         | 800-2000     | 1-3/8" - 6 F. Thread                   | N/A                                  | N/A             | N/A             | 9.5 lbs. (4.3kg)   |
| RBG1500-138 | 02600         | 800-2000     | 1-3/8" - 6 F. Thread                   | N/A                                  | N/A             | N/A             | 13.2 lbs (6.0kg)   |

## LRG-140/LRG-240/LRG-440/LRG-640 Replacement Parts



| No. | Item Code No. | Description                        | LRG-140 | LRG-240 | LRG-440 | LRG-640 |
|-----|---------------|------------------------------------|---------|---------|---------|---------|
| 1.  | 02514         | Rotating Casting                   | 1       |         |         |         |
|     | 02515         | Rotating Casting                   |         | 1       | 2       | 3       |
| 2.  | 02579         | Mounting Nut                       | 1       |         |         |         |
|     | 02580         | Mounting Nut w/Oval Point Screw    |         | 1       | 1       | 1       |
| 3.  | 02574         | Tension Adjustment Screw w/Washers | 1       |         |         |         |
|     | 02575         | Tension Adjustment Screw w/Washers |         | 1       | 2       | 3       |
| 4.  | 02585         | Insulating Cover                   | 1       | 2       | 4       | 6       |
| 5.  | 02570         | Grease Cup                         | 1       | 1       | 2       | 3       |
| 6.  | 02577         | Head Alignment Pin                 |         |         | 1       | 2       |
| 7.  | 02572         | Tightening Bar                     |         | 1       | 1       | 1       |
| 8.  | 02587         | Oval Point Screw                   | 3       | 6       | 12      | 18      |
| 9.  | 01065         | Cover Screw                        | 1       | 2       | 4       | 6       |
| 10. | 02560         | Shaft                              | 1       |         |         |         |
|     | 02561         | Shaft                              |         | 1       |         |         |
|     | 02562         | Shaft                              |         |         | 1       |         |
|     | 02563         | Shaft                              |         |         |         | 1       |



Conductive Shaft Lubricant

| Item Code No. | Description                     |
|---------------|---------------------------------|
| 02590         | 1 oz. Tube                      |
| 02591         | 8 oz. w/Brush Top Can           |
| 02592         | 16 oz. w/Brush Top Can          |
| 02593         | 16 oz. Cartridge for Grease Gun |

Ground Clamps with Special Grease Fitting

| Item Code No. | Description                        |
|---------------|------------------------------------|
| 025001        | LRG-140 Roto Ground w/Spec Fitting |
| 025101        | LRG-240 w/Special Grease Fitting   |
| 025201        | LRG-440 w/Special Grease Fitting   |
| 025301        | LRG-640 w/Special Grease Fitting   |



Shown with optional grease fitting 02571



\*Optional Grease Gun

| Item Code No. | Description                             |
|---------------|---|
| 02571         | Grease Fitting - Button Head            |
| 02595         | Pistol Grease Gun w/Button Head Coupler |
| 02596         | Coupler - Button Head                   |

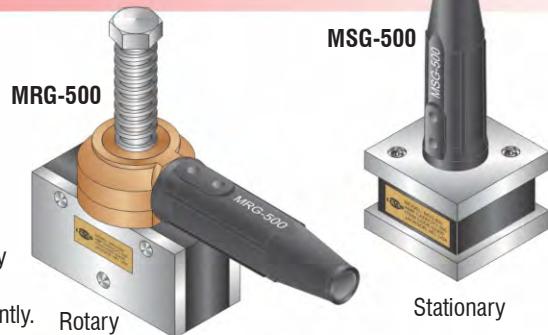


# GROUND CLAMPS

## MAGNETIC and MAGNETIC ROTARY GROUNDS

LENCO's magnetic grounds offer convenience, efficiency and quality. Both the **MRG-500** and **MSG-500** are designed to ensure greater efficiency with less overheating due to fewer junctions. Each allows the operator to keep the ground close to the work area improving the weld quality, decreasing the weld time and increasing operator production output. LENCO magnetic grounds are designed for up to 4/0 cable for maximum current carrying capacity. (for use on ferrous materials only)

The **MRG-500** is designed to be used for any rotary type welding work where cable can become twisted. The **MRG-500** covers 12 square inches giving good stability with approximately 4 inches of actual current carrying contact. The **MSG-500** also has 12 square inches of contact surface, 3 square inches per side, which can be mounted in any position and still perform efficiently. **Rotary**



| Model   | Item Code No. | Amp Capacity | Type of Cable Connection           | Weight         | Cable Capacity                               |
|---------|---------------|--------------|------------------------------------|----------------|--|
| MRG-500 | 02400         | 500          | Double Oval-Point Screw with Cover | 9 lbs. (4.0kg) | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |
| MSG-500 | 02300         | 500          | Double Oval-Point Screw with Cover | 4 lbs. (1.8kg) | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |

### "Genuine" MAGNETRODE Magnetic Rotary Grounds



#### Model 900

Up to 500 amps. Includes terminal handle for attaching one 4/0 ground cable. Easily attaches using LENCO Lug on cable.



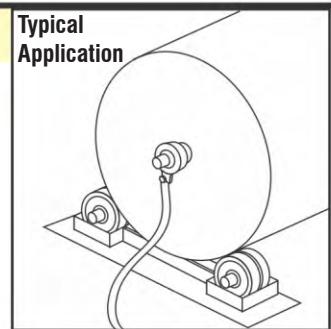
#### Model 1500

Up to 1000 amps. Includes terminal handle for attaching two 4/0 ground cables. Easily attaches using LENCO Lugs on cables.



#### Model 2000

Up to 1500 amps. Includes terminal handle for attaching three 4/0 ground cables. Easily attaches using LENCO Lugs on cables.



02591

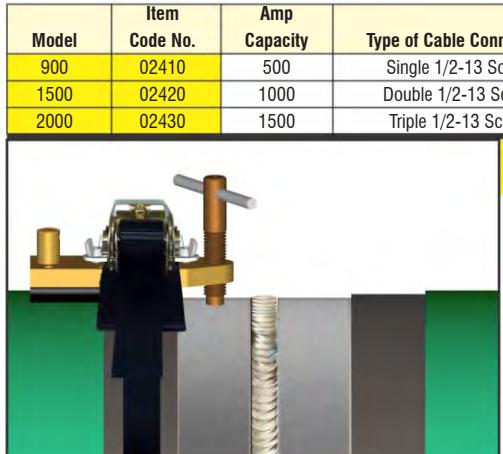


02592



#### Conductive Lubricant

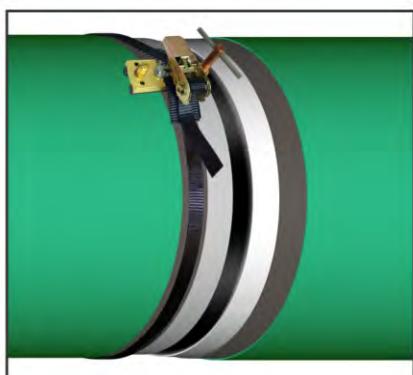
| Item Code No. | Description            |
|---------------|------------------------|
| 02590         | 1 oz. Tube             |
| 02591         | 8 oz. w/Brush Top Can  |
| 02592         | 16 oz. w/Brush Top Can |



### CPG-400

#### 400 Amp Ground Designed for use on coated pipe

- 400 amp capacity
- Will work on any pipe
- Insulated pads won't damage or arc on pipe coatings
- Tightens with 10' web strap (included) which will fit up to 6' diameter pipe
- Strap width 1" / flame retardant (194 deg. F. max. working temp.)
- Easily connect ground cable with LENCO LC-40 (Dinse model available)



| Model    | Item Code No. | Amp Capacity | Type of Cable Connection | Weight |
|----------|---------------|--------------|--------------------------|--------|
| CPG-400  | 02450         | 400          | LENCO LC-40              | 45 oz. |
| CPG-400D | 02460         | 400          | Dinse                    | 45 oz. |



# CABLE CONNECTORS

## Positive Lock-Tight Action

The advanced design of LENCO cable connectors offers many advantages over older styles. Metal parts are precision machined from specially shaped brass extrusion. Cam action design of male half connector pulls the two halves tightly together. Connector covers are molded from a special heat and cold resistant material.

Cam-type action here makes positive stop & lock



Female brass connector is recessed to minimize accidental shorting.



Face-to-face contact for maximum conductivity



Male half cover removed      Female half cover removed



LENCO



LENCO

LC-40HD w/GLASS FILLED NYLON COVER  
Designed for extreme heat applications.

### COVERS ARE AVAILABLE IN BLACK, RED, YELLOW, PINK, BLUE, GREEN, ORANGE, & WHITE

Colored covers make it easy to locate the connectors for field use. Also identify cable leads easily for contractors and field erectors.

**Optional - Connector**  
covers may be custom  
imprinted with company  
name.

LTC-40



LTC-40-2M



| Model                                    | Cable Connection        |  | Amp Capacity | Cable Capacity                               |  |  |  |  |  |
|--|-------------------------|--|--------------|--|--|--|--|--|--|
| LC-10                                    | Single Oval-Point Screw |  | 250          | No. 4 thru No. 1/0 (25-50mm <sup>2</sup> )   |  |  |  |  |  |
| LC-40                                    | Single Oval-Point Screw |  | 350          | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) |  |  |  |  |  |
| LC-40HD-1/0                              | Double Oval-Point Screw |  | 350          | No. 1/0 (50mm <sup>2</sup> )                 |  |  |  |  |  |
| LC-40HD-2/0                              | Double Oval-Point Screw |  | 400          | No. 2/0 (70mm <sup>2</sup> )                 |  |  |  |  |  |
| LC-40HD                                  | Double Oval-Point Screw |  | 500          | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |  |  |  |  |  |
| LC-40HD<br>w/Glass Filled<br>Nylon Cover | Double Oval-Point Screw |  | 500          | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) |  |  |  |  |  |

### Item Code No.

| Model                                    | Description        | Black    | Red     | Yellow                           | Pink    | Blue    | Green   | Orange  | White | Weight        |
|--|--------------------|----------|---------|----------------------------------|---------|---------|---------|---------|-------|---------------|
| LC-10                                    | Complete Unit      | 05040    | 05041   | 05042                            | ---     | ---     | ---     | ---     | ---   | 9 oz. (255g)  |
|  | Male Half          | 05043    | 05044   | 05045                            | ---     | ---     | ---     | ---     | ---   | 4 oz. (115g)  |
|  | Female Half        | 05046    | 05047   | 05048                            | ---     | ---     | ---     | ---     | ---   | 5 oz. (140g)  |
|  | M Bulk Unassembled | 0504301  | 0504401 | ---                              | ---     | ---     | ---     | ---     | ---   |               |
|  | F Bulk Unassembled | 0504601  | 0504701 | ---                              | ---     | ---     | ---     | ---     | ---   |               |
| LC-40                                    | Complete Unit      | 05050    | 05051   | 05052                            | 05550   | 05551   | 05552   | 05553   | 05554 | 14 oz. (400g) |
|  | Male Half          | 05053    | 05054   | 05055                            | 05555   | 05556   | 05557   | 05558   | 05559 | 7 oz. (198g)  |
|  | Female Half        | 05056    | 05057   | 05058                            | 05560   | 05561   | 05562   | 05563   | 05564 | 7 oz. (198g)  |
|  | M Bulk Unassembled | 0505301  | 0505401 | 0505501                          | 0555501 | 0555601 | 0555701 | 0555801 | ---   |               |
|  | F Bulk Unassembled | 0505601  | 0505701 | 0505801                          | 0556001 | 0556101 | 0556201 | 0556301 | ---   |               |
| LC-40HD-1/0                              | Complete Unit      | 0506004  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 15 oz. (425g) |
|  | Male Half          | 0506304  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 7 oz. (198g)  |
|  | Female Half        | 0506604  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 8 oz. (225g)  |
|  | M Bulk Unassembled | 05063041 | ---     | ---                              | ---     | ---     | ---     | ---     | ---   |               |
|  | F Bulk Unassembled | 05066041 | ---     | ---                              | ---     | ---     | ---     | ---     | ---   |               |
| LC-40HD-2/0                              | Complete Unit      | 0506005  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 15 oz. (425g) |
|  | Male Half          | 0506305  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 7 oz. (198g)  |
|  | Female Half        | 0506605  | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 8 oz. (225g)  |
|  | M Bulk Unassembled | 05063051 | ---     | ---                              | ---     | ---     | ---     | ---     | ---   |               |
|  | F Bulk Unassembled | 05066051 | ---     | ---                              | ---     | ---     | ---     | ---     | ---   |               |
| LC-40HD                                  | Complete Unit      | 05060    | 05061   | 05062                            | 05800   | 05801   | 05802   | 05803   | ---   | 15 oz. (425g) |
|  | Male Half          | 05063    | 05064   | 05065                            | 05810   | 05811   | 05812   | 05813   | ---   | 7 oz. (198g)  |
|  | Female Half        | 05066    | 05067   | 05068                            | 05820   | 05821   | 05822   | 05823   | ---   | 8 oz. (225g)  |
|  | M Bulk Unassembled | 0506301  | 0506401 | ---                              | ---     | ---     | 058121  | ---     | ---   |               |
|  | F Bulk Unassembled | 0506601  | 0506701 | ---                              | 058211  | ---     | ---     | ---     | ---   |               |
| LC-40HD<br>w/Glass Filled<br>Nylon Cover | Male Half          | 05171    | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 6 oz. (170g)  |
|  | Female Half        | 05175    | ---     | ---                              | ---     | ---     | ---     | ---     | ---   | 7 oz. (198g)  |
| LTC-40                                   | "T" Connector      | 05900    | 05901   | LC-40 Male (1); LC-40 Female (2) |         |         |         |         |       | 11 oz. (310g) |
| LTC-40-2M                                | "T" Connector      | 05910    | 05911   | LC-40 Male (2); LC-40 Female (1) |         |         |         |         |       | 13 oz. (368g) |



# CABLE CONNECTORS

## Assemblies



## Whip Cable Connectors

The LENCO cable connector reducer consists of the male plug only. The plug end is the same size as the LC-40 connector male end and fits the LC-40 and LC-40HD female connector. The cable end is the same size as the LC-10 connector and will accept cable size up to No. 1/0 (50mm<sup>2</sup>).

| Item Code No. |         | Model | Black                   | Red                          | Cable Connection | Maximum Cable Capacity | Weight |
|---------------|---------|-------|-------------------------|------------------------------|------------------|------------------------|--------|
|               |         |       |                         |                              |                  |                        |        |
| LC-1040       | 05070   | 05071 | Oval-Point Screw        | No. 1/0 (50mm <sup>2</sup> ) | 6 oz. (170g)     |                        |        |
| LC40HD-1/0    | 0506304 | N/A   | Double Oval-Point Screw | No. 1/0 (50mm <sup>2</sup> ) | 7 oz. (198g)     |                        |        |



## International DINSE Style



| Model  | Description   | Item Code No. |       | Male End Diameter | Cable Capacity                                | Cable Connection        | Amp Capacity | Weight         |
|--------|---------------|---------------|-------|-------------------|---|-------------------------|--------------|----------------|
|        |               | Black         | Red   |                   |   |                         |              |                |
| LDC-25 | Complete Unit | 05420         | 05421 | .355 (9.0mm)      | No. 8 thru. No. 4 (10-25mm <sup>2</sup> )     | Single Oval-Point Screw | 150          | 3.8 oz. (109g) |
|        | Male Half     | 05423         | 05424 |                   |   |                         |              | 1.9 oz. (55g)  |
|        | Female Half   | 05426         | 05427 |                   |   |                         |              | 1.9 oz. (55g)  |
| LDC-50 | Complete Unit | 05430         | 05431 | .508 (12.9mm)     | No. 4 thru. No. 1/0 (25-50mm <sup>2</sup> )   | Single Oval-Point Screw | 250          | 14 oz. (400g)  |
|        | Male Half     | 05433         | 05434 |                   |   |                         |              | 7 oz. (198g)   |
|        | Female Half   | 05436         | 05437 |                   |   |                         |              | 7 oz. (198g)   |
| LDC-70 | Complete Unit | 05440         | 05441 | .508 (12.9mm)     | No. 1/0 thru. No. 2/0 (50-70mm <sup>2</sup> ) | Single Oval-Point Screw | 350          | 14 oz. (400g)  |
|        | Male Half     | 05443         | 05444 |                   |   |                         |              | 7 oz. (198g)   |
|        | Female Half   | 05446         | 05447 |                   |   |                         |              | 7 oz. (198g)   |
| LDC-95 | Complete Unit | 05450         | 05451 | .508 (12.9mm)     | No. 3/0 thru. No. 4/0 (70-95mm <sup>2</sup> ) | Double Oval-Point Screw | 500          | 15 oz. (425g)  |
|        | Male Half     | 05453         | 05454 |                   |   |                         |              | 7 oz. (198g)   |
|        | Female Half   | 05456         | 05457 |                   |   |                         |              | 8 oz. (225g)   |

## Cam-Lock Style Connectors



| Model     | Description                  | Item Code No. |       | Amp Capacity                                    | Cable Capacity | Interchangeable with the following |                                 |         |
|-----------|------------------------------|---------------|-------|---|----------------|------------------------------------|---------------------------------|---------|
|           |                              | Black         | Red   |   |                | Cable Connection                   | Cam-Lok®                        | Miller® |
| LC-CAM-1  | Male Half                    | 05920         | 05921 | 250   | No. 4 thru 1/0 | Single Oval-Point Screw            | E1012-62 (Black) E1012-61 (Red) | 039629  |
|           | Female Half                  | 05925         | 05926 |   |                | Single Oval-Point Screw            | n/a                             | 039633  |
| LC-CAM-2  | Male Half                    | 05930         | 05931 | 350   | 1/0 thru 2/0   | Single Oval-Point Screw            | E1012-64 (Black) E1012-63 (Red) | 039630  |
|           | Female Half                  | 05935         | 05936 |   |                | Single Oval-Point Screw            | E1012-72 (Black) E1012-71 (Red) | 039633  |
| LC-CAM-4  | Male Half                    | 05940         | 05941 | 500   | 3/0 thru 4/0   | Double Oval-Point Screw            | E1012-66 (Black) E1012-65 (Red) | 039639  |
|           | Female Half                  | 05945         | 05946 |   |                | Double Oval-Point Screw            | E1012-74 (Black) E1012-73 (Red) |         |
| CT-CAM-FA | Connector Terminal Angle 45° | 08035         | ---   | Use with LC-CAM-1, LC-CAM-2, and LC-CAM-4 Males |                |                                    |                                 |         |

## Machine Plugs

Model LC-10MP  
Fits Miller® welders\*



Model UP-10

Fits variety of welders

Century® • Powermate® • Forney® • Others



LENCO machine plugs are designed to fit welding machines using long tapered plug and receptacle. Two types are available, the LC-10MP and the UP-10, both with red or black cover.

| Item Code No. |       | Cable Connection | Cable Capacity          | Taper Dimension                            | Taper Length          | Weight          |              |
|---------------|-------|------------------|-------------------------|--|-----------------------|-----------------|--------------|
| Model         | Black | Red              |                         |  |                       |                 |              |
| LC-10MP       | 05080 | 05081            | Single Oval-Point Screw | No. 4 thru No. 1/0 (25-50mm <sup>2</sup> ) | .330-.352 (8.4-8.9mm) | 1.062" (27mm)   | 4 oz. (115g) |
| UP-10         | 05270 | 05271            | Single Oval-Point Screw | No. 4 thru No. 1/0 (25-50mm <sup>2</sup> ) | .364-.385 (9.2-9.8mm) | 1.000" (25.4mm) | 4 oz. (115g) |



# Mechanical Cable Lugs, Splicers, and Connector Terminals

## • LENCO Cable Lugs Make Positive Cable Connection to the Welder

These mechanical lugs replace the ordinary solder lug for attaching welding cable to a welder. They are heavy duty cast copper alloy to take today's higher amperages. Cable is easily attached using large oval-point screw connection driven down with a 1/4" (6.35mm) allen wrench.



| Model                    | Item Code No. | Style               | Cable Capacity                           | Weight        | Stud Hole       |
|--------------------------|---------------|---------------------|--|---------------|-----------------|
| <b>Without Insulator</b> |               |                     |  |               |                 |
| LM-610A                  | 07040         | Angle 45°           | No. 6 thru 1/0 (16-50mm <sup>2</sup> )   | 4 oz. (115g)  | 17/32" (13.5mm) |
| LM-610S                  | 07050         | Straight            | No. 6 thru 1/0 (16-50mm <sup>2</sup> )   | 4 oz. (115g)  | 17/32" (13.5mm) |
| LM-2040A                 | 07060         | Angle 45°           | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 7 oz. (200g)  | 17/32" (13.5mm) |
| LM-2040S                 | 07070         | Straight            | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 7 oz. (200g)  | 17/32" (13.5mm) |
| LM-2040S-HD              | 07120         | Straight            | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 20 oz. (570g) | 21/32" (16.8mm) |
| LM-2040S-HD-34           | 07140         | Straight            | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 20 oz. (570g) | 25/32" (20mm)   |
| <b>With Insulator</b>    |               |                     |  |               |                 |
| LM-610AI                 | 07080         | Angle 45° Insulated | No. 6 thru 1/0 (16-50mm <sup>2</sup> )   | 5 oz. (140g)  | 17/32" (13.5mm) |
| LM-610SI                 | 07090         | Straight Insulated  | No. 6 thru 1/0 (16-50mm <sup>2</sup> )   | 5 oz. (140g)  | 17/32" (13.5mm) |
| LM-2040AI                | 07100         | Angle 45° Insulated | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 8 oz. (230g)  | 17/32" (13.5mm) |
| LM-2040SI                | 07110         | Straight Insulated  | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 8 oz. (230g)  | 17/32" (13.5mm) |
| LM-2040SI-HD             | 07130         | Straight Insulated  | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 21 oz. (600g) | 21/32" (16.8mm) |
| LM-2040SI-HD-34          | 07150         | Straight Insulated  | No. 2/0 thru 4/0 (50-95mm <sup>2</sup> ) | 21 oz. (600g) | 25/32" (20mm)   |

## Connector Terminals

- LENCO connector terminals offer you the advantage of quickly connecting or disconnecting welding cable at the power source.
- LENCO LDCT-50FA/FS are designed for male *Dinse* type connectors.



- Add On Cable**
- Take Off Cable**
- Change Polarity**

Connector terminals are used in place of solder-type lugs and secured directly to the studs of the welder. The male half of a LENCO cable connector is attached to welding cable and is inserted into the terminal.

| Model     | Item Code Number | Style     | Used with LENCO Connector | Weight       | Stud Hole Diameter |
|-----------|------------------|-----------|---------------------------|--------------|--------------------|
| CT-10FA   | 08010            | Angle 45° | LC-10 Male                | 5 oz. (140g) | 17/32" (13.5mm)    |
| CT-10FS   | 08020            | Straight  | LC-10 Male                | 5 oz. (140g) | 17/32" (13.5mm)    |
| CT-40FA   | 08030            | Angle 45° | LC-40 or LC-40HD Male     | 8 oz. (230g) | 17/32" (13.5mm)    |
| CT-40FS   | 08040            | Straight  | LC-40 or LC-40HD Male     | 8 oz. (230g) | 17/32" (13.5mm)    |
| LDCT-50FA | 08110            | Angle 45° | LDC-50/70/95 Male         | 8 oz. (230g) | 17/32" (13.5mm)    |
| LDCT-50FS | 08120            | Straight  | LDC-50/70/95 Male         | 8 oz. (230g) | 17/32" (13.5mm)    |

## • Splice Cable Fast, Easy — Anywhere



LENCO cable splicers are made from a special brass extrusion. Large oval-point steel screws on each end of the splicers make it easy to splice cables in the shop or in the field. Tough glass filled nylon sleeve insulates the splicer.

| Model   | Item Code No. | Cable Connection        | Amp Capacity | Cable Capacity                               | Length         | Weight        |
|---------|---------------|-------------------------|--------------|--|----------------|---------------|
| CS-610  | 06010         | Single Oval-Point Screw | 250          | No. 6 thru No. 1/0 (16-50mm <sup>2</sup> )   | 3 3/4" (95mm)  | 4 oz. (115g)  |
| CS-2040 | 06020         | Single Oval-Point Screw | 350          | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | 4 1/4" (108mm) | 7 oz. (200g)  |
| CS-3040 | 06030         | Double Oval-Point Screw | 500          | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) | 6" (152mm)     | 12 oz. (340g) |

Note: All cable splicers must be properly insulated.

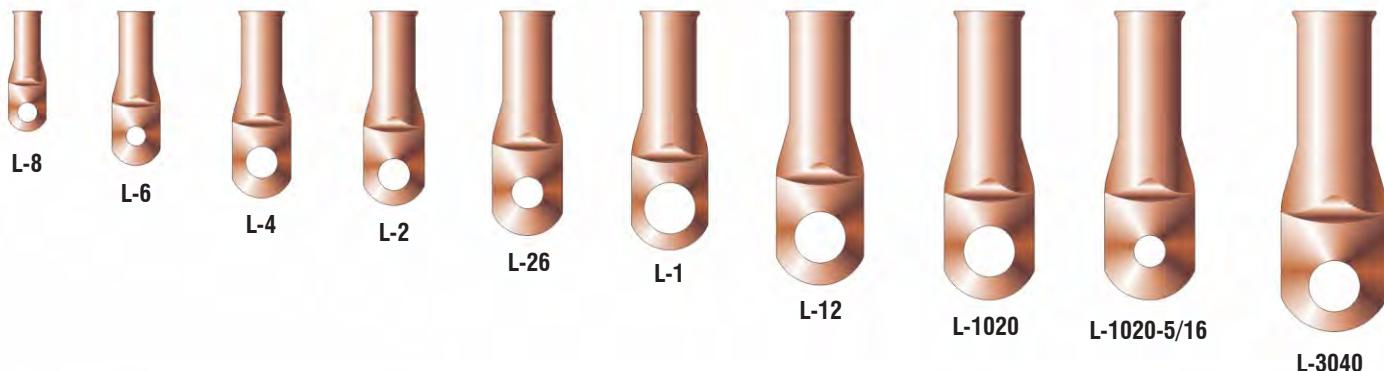


# CABLE LUGS & SPLICERS

## Welding Cable Lugs

### • Made Special For Welding Cable Use

LENCO cable lugs are precision made from copper tubing. They have an extra long barrel for easy soldering or attaching by the swedg-on process. The stud holes are made especially for welding machines with plenty of clearance. Flared ends make it easy to insert the cable in the lug.



### POWER CABLE LUGS

| Model | Item Code No. | Cable Capacity                           | Stud Hole       | Barrel I.D.   | Weight per 100   |
|-------|---------------|--|-----------------|---------------|------------------|
| L-8   | 06980         | No. 12 thru No. 14 (3-2mm <sup>2</sup> ) | 13/64" (5.16mm) | .185" (4.7mm) | 1.1 lbs. (.42kg) |
| L-6   | 06985         | No. 8 thru No. 10 (10-6mm <sup>2</sup> ) | 13/64" (5.16mm) | .232" (6mm)   | 1.3 lbs. (.53kg) |
| L-4   | 06990         | No. 6 thru No. 8 (16-10mm <sup>2</sup> ) | 21/64" (8.3mm)  | .286" (7.3mm) | 1.9 lbs. (.78kg) |
| L-2   | 06995         | No. 4 thru No. 6 (25-16mm <sup>2</sup> ) | 21/64" (8.3mm)  | .336" (8.5mm) | 2.8 lbs. (1.2kg) |

### WELDING CABLE LUGS

|             |       |  |                 |                |                  |
|-------------|-------|--|-----------------|----------------|------------------|
| L-26        | 07005 | No. 2 thru No. 6 (35-16mm <sup>2</sup> )     | 21/64" (8.3mm)  | .344" (8.7mm)  | 4 lbs. (1.7kg)   |
| L-1         | 07000 | No. 2 thru No. 6 (35-16mm <sup>2</sup> )     | 17/32" (13.5mm) | .360" (9mm)    | 4.7 lbs. (2.1kg) |
| L-12        | 07010 | No. 1 thru No. 2 (50-35mm <sup>2</sup> )     | 17/32" (13.5mm) | .402" (10.2mm) | 5 lbs. (2.2kg)   |
| L-1020      | 07020 | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | 17/32" (13.5mm) | .495" (12.6mm) | 10 lbs. (4.3kg)  |
| L-1020-5/16 | 07021 | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | 21/64" (8.3mm)  | .495" (12.6mm) | 10 lbs. (4.3kg)  |
| L-3040      | 07030 | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) | 17/32" (13.5mm) | .620" (15.7mm) | 14 lbs. (6.3kg)  |

### Welding Cable Splicers & Universal Heat Shrink



MODEL S-12



MODEL S-1020



MODEL S-3040



MODEL HS-I

LENCO welding cable splicers are made from copper tube. They are attached to welding cable with the swedg-on tool. LENCO welding cable splicers are ideal for connecting broken lengths of cable, making repairs and adding on cable for longer runs.

| Model  | Item Code No. | Cable Capacity                               | Splicer I.D.  | Length       | Weight per 100  |
|--------|---------------|--|---------------|--------------|-----------------|
| S-12   | 06110         | No. 1 thru No. 2 (50-35mm <sup>2</sup> )     | .402 (10.2mm) | 2.37" (60mm) | 4 lbs. (1.8kg)  |
| S-1020 | 06120         | No. 1/0 thru No. 2/0 (50-70mm <sup>2</sup> ) | .495 (12.6mm) | 2.92" (74mm) | 9 lbs. (4.1kg)  |
| S-3040 | 06130         | No. 3/0 thru No. 4/0 (70-95mm <sup>2</sup> ) | .620 (15.7mm) | 3.25" (83mm) | 12 lbs. (5.4kg) |

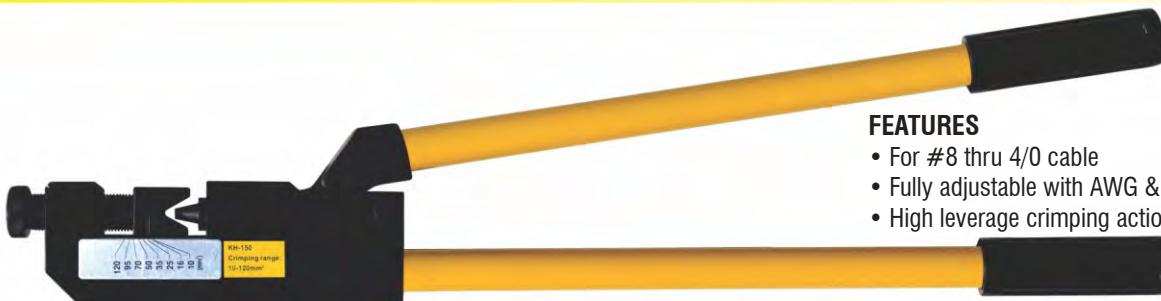
Note: All Cable Splicers must be properly insulated.

| Model | Item Code No. | Description   | Cable Capacity                             | I.D.         | Length        |
|-------|---------------|---|--|--------------|---------------|
| HS-I  | 06140         | Universal heat shrink with adhesive to fit above splicers | No. 2 thru No. 4/0 (25-95mm <sup>2</sup> ) | 1.0 (25.4mm) | 5.00" (127mm) |



# CABLE LUG CRIMPERS & CABLE CUTTERS

## Heavy Duty Lug Crimper 22"



### FEATURES

- For #8 thru 4/0 cable
- Fully adjustable with AWG & MM scale
- High leverage crimping action

| Model      | Item Code No. | For Installing LENCO Lugs | LENCO Splicer    |
|------------|---------------|---------------------------|------------------|
| HD-CRIMPER | 04045         | L-8 thru L-3040           | S-12 thru S-3040 |

## Swedg-On Tool

### FEATURES

- Lugs and splicers are secured by spring tension during installation
- Capable of using on a full variety of lugs and splicers
- Wide base for stability while swedging
- Provides 1400-1800 lbs. pull-out resistance
- Easy to read scale for proper swedging

| Model | Item Code No. | For Installing LENCO Lugs | LENCO Splicer    |
|-------|---------------|---------------------------|------------------|
| 840   | 04040         | L-8 thru L-3040           | S-12 thru S-3040 |



## Hand Held Cable Cutters 9½"

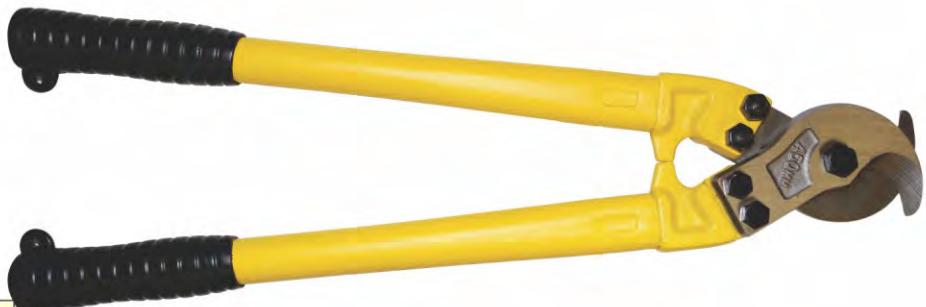


### FEATURES

- Cuts up to 4/0 AWG
- High leverage cutting action
- Hardened steel
- NOT FOR USE on steel or ACSR cable

| Model | Item Code No. | For                 |
|-------|---------------|---------------------|
| LCC95 | 04010         | Up to 4/0 AWG cable |

## Hand Held Cable Cutters 18"



### FEATURES

- High leverage cutting action
- Hardened steel
- NOT FOR USE on steel or ACSR cable

| Model | Item Code No. | For                 |
|-------|---------------|---------------------|
| LCC18 | 04018         | Up to 4/0 AWG cable |



# MACHINE PLUGS & TIG ADAPTERS

*International Dinse Style*



Point of Purchase  
Display Packaging

| Model   | Item Code No. |       |       | Interchangeable with the following models |            |          |              |
|---------|---------------|-------|-------|---|------------|----------|--------------|
|         | Set           | Black | Red   | Dinse                                     | ESAB/Airco | Lincoln  | M.K. Product |
| LDP-25M | 05289         | 05283 | 05284 | Dix SK 25                                 | 160360895  | K-852-25 | N/A          |
| LDP-50M | 05309         | 05303 | 05304 | Dix SK 50                                 | N/A        | K-852-50 | N/A          |
| LDP-70M | 05319         | 05313 | 05314 | Dix SK 70                                 | 13792513   | K-852-70 | 153-0755     |
| LDP-95M | 05329         | 05323 | 05324 | Dix SK 95                                 | 13792513   | K-852-95 | N/A          |

| Connector Size | Male Plug Dia. | Cable Capacity                             | Type of Cable Connection | Amp Capacity |
|----------------|----------------|--|--------------------------|--------------|
| All 25         | .355 (9.0mm)   | No. 8 thru No. 4 (10-25mm <sup>2</sup> )   | Single Oval-Point Screw  | 150          |
| All 50         | .508 (12.9mm)  | No. 4 thru No. 1/0 (25-50mm <sup>2</sup> ) | Single Oval-Point Screw  | 250          |
| All 70         | .508 (12.9mm)  | 1/0 thru No. 2/0 (50-70mm <sup>2</sup> )   | Single Oval-Point Screw  | 350          |
| All 95         | .508 (12.9mm)  | 2/0 thru No. 4/0 (70-95mm <sup>2</sup> )   | Double Oval-Point Screw  | 500          |

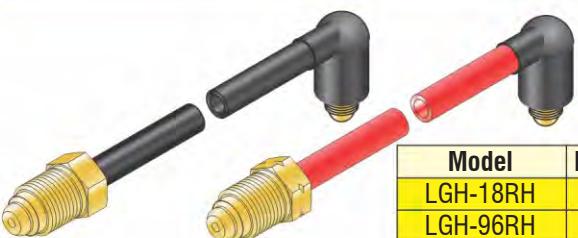
- Offering 12 *Dinse* type Tig machine plugs to attach most TIG torches to machines equipped with *Dinse* connections.

- Available for both air cooled and water cooled Tig torches.



| No. | Model        | Item Code No. | Tig Torch Model | Male End Dia. | Power Cable Connection               | Barb O.D.                  |
|-----|--------------|---------------|-----------------|---------------|--------------------------------------|----------------------------|
| 1   | LDTI-917-F   | 05610         | 9, 17           | .508 (12.9mm) | 3/8-24 (M) Air Cooled                | 1/4-90° w/Boot             |
| 2   | LDTI-917-F   | 05612         | 9, 17           | .508 (12.9mm) | 3/8-24 (M) Air Cooled (in line)      | N/A                        |
| 3   | LDTSI-917-F  | 05650         | 9, 17           | .355 (9.0mm)  | 3/8-24 (M) Air Cooled                | 1/4-90° w/Boot             |
| 4   | LDTSI-917-F  | 056501        | 9, 17           | .355 (9.0mm)  | 3/8-24 (M) Air Cooled (in line)      | N/A                        |
| 5   | LDT-24-M     | 05615         | 24              | .508 (12.9mm) | 3/8-24 (F) Air Cooled                | 1/4-90° w/Boot             |
| 6   | LDTI-24M     | 05656         | 24              | .508 (12.9mm) | 3/8-24 (F) Air Cooled                | N/A                        |
| 7   | LDTS-24-M    | 05655         | 24              | .355 (9.0mm)  | 3/8-24 (F) Air Cooled                | 1/4-90° w/Boot             |
| 8   | LDTSI-24-M   | 056551        | 24              | .355 (9.0mm)  | 3/8-24 (F) Air Cooled                | N/A                        |
| 9   | LDT-26-R     | 05620         | 26              | .508 (12.9mm) | 7/8-14 (R.H.) Air Cooled             | 1/4-90° w/Boot             |
| 10  | LDTI-26-R    | 05622         | 26              | .508 (12.9mm) | 7/8-14 (R.H.) Air Cooled (in line)   | N/A                        |
| 11  | LDT-1820-L   | 05625         | 18, 20          | .508 (12.9mm) | 7/8-14 (L.H.) Water Cooled           | 1/4-90° w/Boot             |
| 12  | LDTI-1820-WC | 05627         | 18, 20, 24W     | .508 (12.9mm) | 7/8-14 (L.H.) Water Cooled (in line) | 1/8, 3/16, 1/4-90° w/Boots |

## Gas & Water Hose Connectors



LGH-Series used on the following:

LDT-917-F      LDTS-24-M  
LDT-24-M      LDTSI-917-F  
LDT-26-R

LWH-Series used on the following:

LDT-1820-L

LGH-Series & LWH-Series  
Used on the following:  
LDTI-1820-WC

| Model    | Item Code No. | Hose Color | Description | Length | Thread Connection |
|----------|---------------|------------|-------------|--------|-------------------|
| LGH-18RH | 09810         | Black      | Gas Hose    | 18"    | 5/8-18 R.H. Nut   |
| LGH-96RH | 09820         | Black      | Gas Hose    | 96"    | 5/8-18 R.H. Nut   |
| LWH-18LH | 09815         | Red        | Water Hose  | 18"    | 5/8-18 L.H. Nut   |
| LWH-96LH | 09825         | Red        | Water Hose  | 96"    | 5/8-18 L.H. Nut   |

Both hoses are nylon braided.



# Tig Machine Adapters

## International Dinse Type

### Dinse Cable & TIG Machine Plug Application

### Dinse TIG Connector Series

#### TIG Torch Models

| Power Supply<br>Make & Model  | Type of<br>Process | Dinse Cable<br>Connector<br>Male | Air Cooled |             |             |            | Water Cooled |               |              |
|---|--------------------|----------------------------------|------------|-------------|-------------|------------|--------------|---------------|--------------|
|   |                    |                                  | 24<br>80A  | 9<br>125A   | 17<br>150A  | 26<br>200A | 24W<br>180A  | 20/25<br>250A | 18<br>350A   |
| <b>Miller®</b>  |                    |                                  |            |             |             |            |              |               |              |
| CST 250, CST 280  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| CST 300, CST 400  | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Dynasty 200SD, 200DX, 210, 210DX, 280, 280DX                        | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Dynasty DX, 300, 300SD, 300DX, 300LX, 350, 400                      | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Econotig  | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invision 350MPa, 352MPa, 354MP                                      | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 150STL, 150STH, 161STL, 160TTH                              | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTSI-917-F | LDTSI-917-F | n/a        | n/a          | n/a           | n/a          |
| Maxstar 200DX, 200LX, 200SD, 200ST, 200STR, 210, 210DX, 210STR, 280 | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 300, 300SD, 300DX, 300LX, 350, 400                          | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 85S, 140, 140STR, 150S, 161S                                | TIG/Stick          | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| Multimatic 200, 215   | MIG/TIG/Stick      | LDP-25M                          | LDTSI-24M  | LDTSI-917-F | LDTSI-917-F | n/a        | n/a          | n/a           | n/a          |
| Pipeworx 350 Fieldpro (w/Dinse)                                     | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Syncrowave 180SD, 200, 210  | TIG/Stick          | LDP-50M                          | LDT-24M    | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Syncrowave 200, 300, 350, 351, 500                                  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| Syncrowave 250DX, 350LX   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| XMT304 (w/Dinse), 350 (w/Dinse), 350 OS (w/Dinse), 350MPa (w/Dinse) | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| <b>Lincoln®</b>   |                    |                                  |            |             |             |            |              |               |              |
| Aspect 375  | TIG/Stick          | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec 100-S, V100-S, V130-S, V155-S                              | TIG/Stick          | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| Invertec V160-S, V200-I, V250-S                                     | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V160-T, V200-T, V205-T                                     | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec V200-PRO   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V275-S, V300-I   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V300-PRO**, V350-PRO**                                     | MIG/TIG/Stick      | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec V310-T, V311-T   | TIG/Stick          | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Power MIG 210MP   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Power Wave 355 & 355M   | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Precision TIG 185, 225  | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Precision TIG 275, 375  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| Square Wave TIG 175, 175-PRO, 200, 225, 275                         | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Square Wave TIG 255, 355  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| <b>Esab®</b>  |                    |                                  |            |             |             |            |              |               |              |
| Aristo MIG 4004i Pulse  | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Aristo MIG 5000i, U5000i  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Caddy Arc 151i, 152i, 201i  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Caddy TIG 1500i, 2200i, 2200i AC/DC                                 | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| ES 95i  | TIG/Stick          | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| ET 141i AC/DC, ET 186i AC/DC, ET 201i DC, ET 220i AC/DC             | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| ET 301i AC/DC   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Fabricator 141i   | MIG/TIG/Stick      | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| Fabricator 211i, 252i   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Heliarc 161 AC/DC   | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Heliarc 281i AC/DC, 353i AC/DC                                      | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Miniarc 161LTS  | TIG/Stick          | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| MTS-3500i   | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Origo Arc 410c, 650c  | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Origo MIG 4000c/cw, 6502c/cw, 652c                                  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Rebel EMP/EMS 215ic, EMP/EMS 235ic                                  | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Renegade ES 300i  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Warrior 400i MV CC/CV   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| <b>Thermal Arc®</b>   |                    |                                  |            |             |             |            |              |               |              |
| 161S  | TIG/Stick          | LDP-25M                          | LDT-24M    | LDT-917-F   | LDT-917-F   | n/a        | n/a          | n/a           | n/a          |
| <b>Tweco®</b>   |                    |                                  |            |             |             |            |              |               |              |
| Arcmaster 220 AC/DC   | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Arcmaster 301 AC/DC, 401S   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Arcmaster 401MST  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |

n/a = not applicable

\*\* Note Invertec V350-PRO standard LDT series adapters. With optional solenoid valve uses LDTI series adapters.



# Adapters, Receptacles, Connectors & Output Terminals



LDA

LDA-2510

LDA-513

| Model     | Item Code No. |        |        | Male End Diameter | Adapter Configuration   | Interchangeable with Miller® |
|-----------|---------------|--------|--------|-------------------|---|------------------------------|
|           | Set           | Black  | Red    |                   |   |                              |
| LDA       | 05335         | 05330  | 05331  | .508 (12.9mm)     | Adapter (Dinse LDP-50-95 Male/LENCO LC-40/LC-40HD Female)                   | 042465                       |
| LDA-10    | 05334         | 05332  | 05333  | .508 (12.9mm)     | Adapter (Dinse LDP-50-95 Male/LENCO LC-10 Female)                           |                              |
| LDA-CAM   | -             | 053304 | 053314 | .508 (12.9mm)     | Adapter (Dinse LDP-50-95 Male/CAM-LOCK Female)                              | 042466                       |
| LDA-2510  | 05339         | 05336  | 05337  | .355 (9.0mm)      | Adapter (Dinse LDP-25 Male/LENCO LC-10 Female)                              |                              |
| LDA-2540  | -             | 053364 | 053374 | .355 (9.0mm)      | Adapter (Dinse LDP-25 Male/LENCO LC-40 Female)                              |                              |
| LDA-2550  | -             | 05472  | -      | .355 (9.0mm)      | Adapter (Dinse LDP-25 Male/Dinse LDC-50/70/95 Female)                       |                              |
| LDA-25CAM | -             | 053305 | 053315 | .355 (9.0mm)      | Adapter (Dinse LDP-25 Male/CAM-LOCK Female)(for CAM-LOCK E1012 series only) |                              |
| LA-1040   | -             | 05075  | 05076  | LC-10 Male        | Adapter (LC-10 Male/LC-40 Female)   |                              |
| LDA-4050  | -             | 05470  | 05471  | LC-40 Male        | Adapter (LC-40 Male/Dinse LDC-50-95 Female)                                 | 195116                       |
| LDA-5025  | -             | 05473  | -      | .508 (12.9mm)     | Adapter (Dinse LDP-50/70/95 Male/Dinse LDC-25 Female)                       |                              |
| LDA-513   | -             | 05475  | -      | .508 (12.9mm)     | Brass Adapter (Dinse LDP-50-95 Male/1/2-13 Male Thread)                     |                              |
| LA-40CAM  | -             | 05480  | -      | LC-40 Male        | Adapter (LC-40 Male/CAM-LOCK Female)  |                              |
| LA-CAM40  | -             | 05485  | -      | CAM-LOCK Male     | Adapter (CAM-LOCK Male/LC-40 Female)(for CAM-LOCK E1012 series only)        |                              |



LDPM-25

LDPM-50

LDPM-50-M

| Model     | Item Code No. |        | Description               | Male End Diameter | Fits Cable Connector | Interchangeable with Miller® |
|-----------|---------------|--------|---------------------------|-------------------|----------------------|------------------------------|
|           | Black         | Red    |                           |                   |                      |                              |
| LDPM-25   | 08105         | 081051 | Panel Receptacle (Female) | .355 (9.0mm)      | LDP-25M              | N/A                          |
| LDPM-50   | 08106         | 081061 | Panel Receptacle (Female) | .508 (12.9mm)     | LDP-50/70/95M        | 129525 (Black)               |
| LDPM-50-M | 08108         | N/A    | Panel Receptacle (Male)   | .508 (12.9mm)     | LDC-50/70/95 Female  | 143419 (Black)               |
| LCPM-40   | 08104         | N/A    | Panel Receptacle (Female) | N/A               | LC-40/LC-40HD Male   | N/A                          |

## Insulated Stud Connectors

### MODELS LSC-10, LSC-40, and LDSC-50

Designed for power sources having stud type terminals. This model offers insulation for those having this type terminal.

- A better connection
- Completely insulated
- A threaded, face-to-face contact with the power source terminal
- Use with male LENCO cable connector LC-10, LC-40, and LDP-50/70/95



### MODELS LSC-40-H and LDSC-50-H

Designed for power sources having a solid bus bar. Place cup-type insulation over the stud terminal and secure connector tightly in place.

- Face of brass recessed minimal chance of shorting out
- Use with LC-40 or LC-40HD male connector
- Use the LC-1040 for small cable
- Use the LDSC-50-H with the LDC-50/70/95 male



| Model   | Item Code No. |       | Used with LENCO Connector | Stud Thread | Model     | Item Code No. |       | Used with LENCO Connector | Stud Thread |
|---------|---------------|-------|---------------------------|-------------|-----------|---------------|-------|---------------------------|-------------|
|         | Black         | Red   |                           |             |           | Black         | Red   |                           |             |
| LSC-10  | 08050         | 08051 | LC-10 Male                | 1/2 - 13    | LSC-40-H  | 08070         | 08071 | LC-40 or LC-40HD Male     | 1/2 - 13    |
| LSC-40  | 08060         | 08061 | LC-40 or LC-40HD Male     | 1/2 - 13    | H         | 05263         | 05264 | Insulator Cup             |             |
| LDSC-50 | 08150         | 08151 | LDC-50/70/95 Male         | 1/2 - 13    | LDSC-50-H | 08155         | 08156 | LDC-50/70/95 Male         | 1/2 - 13    |

## Power Output Terminals

Power output terminals suitable for replacement on Miller® and Lincoln® power sources.

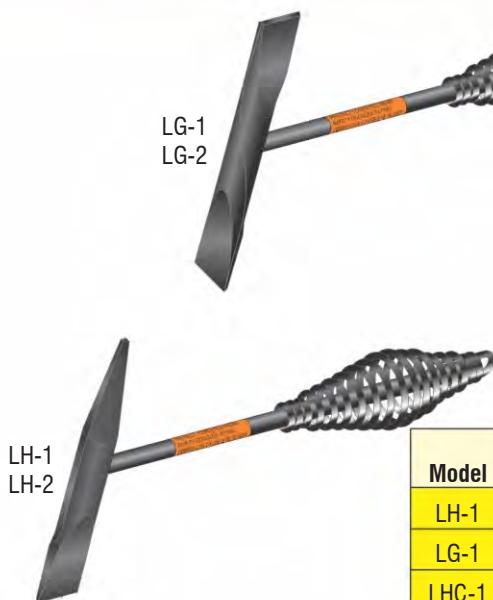


| Model | Item Code No.     |                   | Description            | Stud Thread | Model | Item Code No. |     | Description  | Stud Thread |
|-------|-------------------|-------------------|------------------------|-------------|-------|---------------|-----|--|-------------|
| Model | Black             | Red               |                        |             | Model | Black         | Red |  |             |
| TPO   | 08100<br>(039046) | 08101<br>(039047) | Terminal, Power Output | 1/2 - 13    | LSA   | 08210         |     | Lincoln Stud Assembly w/Hardware (T14166-9 [M13900]) | 1/2 - 13    |
|       |                   |                   |                        |             | LSA-1 | 08211         |     | Stud Assembly Complete (S11125-1)                    | 1/2 - 13    |



# CHIPPING HAMMERS

A Complete Line of Weld Cleaning Tools for Fast, Clean, Easy Slag Removal  
**Spring Handle - Steel Shaft**



- Wire Spring Handle
- Drop Forged, Heat-Treated Heads
- Welded-on Heads Can't Come Loose

| Model | Item Code No. | Packaging             | Description             | Length      | Weight        |
|-------|---------------|-----------------------|-------------------------|-------------|---------------|
| LH-1  | 09010         | Individually Boxed    | Chisel and Pick         | 10" (254mm) | 16 oz. (450g) |
| LG-1  | 09020         | Individually Boxed    | Chisel and Cross Chisel | 10" (254mm) | 17 oz. (480g) |
| LHC-1 | 09030         | Individually Boxed    | Cross Chisel and Pick   | 10" (254mm) | 16 oz. (450g) |
| LH-2  | 09140         | Bulk Packed 12 Pieces | Chisel and Pick         | 10" (254mm) | 16 oz. (450g) |
| LG-2  | 09130         | Bulk Packed 12 Pieces | Chisel and Cross Chisel | 10" (254mm) | 17 oz. (480g) |
| LHC-2 | 09150         | Bulk Packed 12 Pieces | Cross Chisel and Pick   | 10" (254mm) | 16 oz. (450g) |

## Wood Handle - Steel Shaft



- Wood Handle Preferred by Many Welders
- Drop Forged, Heat-Treated Heads
- Heads Welded to Steel Shafts
- Individually Boxed

| Model  | Item Code No. | Description             | Length        | Weight        |
|--------|---------------|-------------------------|---------------|---------------|
| LHW-1  | 09040         | Chisel and Pick         | 10.5" (254mm) | 14 oz. (393g) |
| LHCW-1 | 09050         | Cross Chisel and Pick   | 10.5" (254mm) | 14 oz. (393g) |
| LGW-1  | 09060         | Chisel and Cross Chisel | 10.5" (254mm) | 15 oz. (423g) |



# CHIPPING HAMMERS

## Hickory Wood Handles



Hickory handles are unexcelled for toughness and resilience. Drop forged, heat-treated heads attached to handle with steel and wood wedges

| Model | Item Code No. | Description             | Length        | Weight        |
|-------|---------------|-------------------------|---------------|---------------|
| LWHH  | 09100         | Chisel and Pick         | 11.5" (305mm) | 18 oz. (513g) |
| LWHHC | 09110         | Cross Chisel and Pick   | 11.5" (305mm) | 18 oz. (513g) |
| LWHG  | 09090         | Chisel and Cross Chisel | 11.5" (305mm) | 19 oz. (538g) |

Bulk packed 12 per box only

## "BIG MIKE" Hammer



This well-balanced hammer has an extra long 8" (203mm) head with a 1-3/16" (30.15mm) wide blade, good for those hard-to-get-at places.

| Model | Item Code No. | Description | Length        | Weight        |
|-------|---------------|-------------|---------------|---------------|
| LWHCM | 09120         | "Big Mike"  | 11.5" (305mm) | 19 oz. (538g) |

Bulk packed 12 per box only

## REPLACEMENT HANDLE

| Model  | Item Code No. | Description                            |
|--------|---------------|--|
| LHR-12 | 09310         | Replacement Wood Handle for all Models |

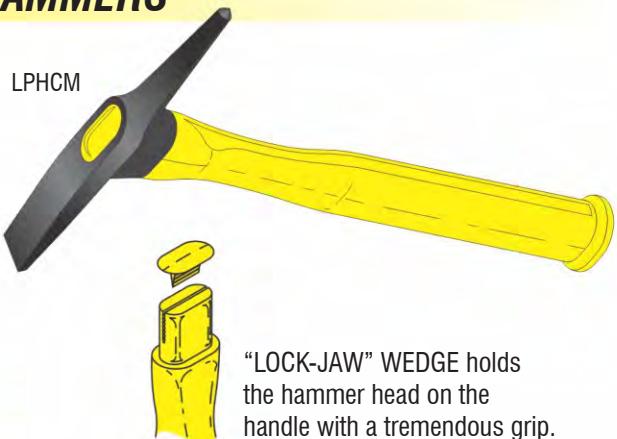
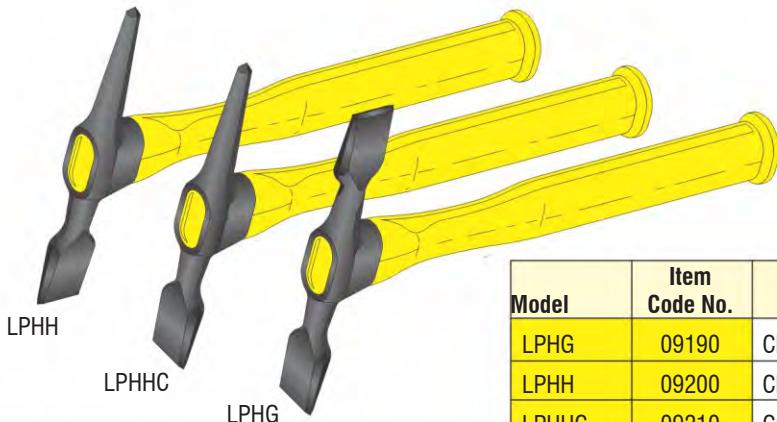


# CHIPPING HAMMERS

## PLASTIC HANDLE HAMMERS

Molded high impact thermoplastic handles are bright yellow with an easy-to-find look. The high impact resistance of these molded handles outlasts wood handles.

- Reduced Impact Sting      • Splinter Free
- Safety Yellow Color      • Forged Steel Heads
- Ringed Handle End Raises Handle for Easy Pick Up



"LOCK-JAW" WEDGE holds the hammer head on the handle with a tremendous grip.

| Model | Item Code No. | Description             | Length         | Weight        |
|-------|---------------|-------------------------|----------------|---------------|
| LPHG  | 09190         | Chisel and Cross Chisel | 11.75" (305mm) | 19 oz. (538g) |
| LPHH  | 09200         | Chisel and Pick         | 11.75" (305mm) | 18 oz. (513g) |
| LPHC  | 09210         | Cross Chisel and Pick   | 11.75" (305mm) | 18 oz. (513g) |
| LPHCM | 09220         | Cross Chisel and Pick   | 11.75" (305mm) | 19 oz. (538g) |

### REPLACEMENT HANDLE

Bulk packed 12 per box only

| Model | Item Code No. | Description                                 |
|-------|---------------|---|
| LHRP  | 09250         | Replacement Plastic Handle for above Models |

## Hammer & Brush Combinations



The combination hammer & brush offers several advantages to the busy welder. Hammer and brush are always together; just a quick flip from chipping to brushing. Individually boxed.

### MODEL LA-1

Steel spring handle, steel shaft welded to forged head. Top quality steel scratch brush - replaceable

### MODEL LAW-1

Formed wood handle. Steel shaft welded to forged head. Top quality steel scratch brush-replaceable.



| Model | Item Code No. | Description                    | Length          | Weight       |
|-------|---------------|--------------------------------|-----------------|--------------|
| LA-1  | 09070         | Hammer & Brush w/Spring Handle | 11 1/4" (286mm) | 19 oz.(538g) |
| LAW-1 | 09080         | Hammer & Brush w/Wood Handle   | 11 1/4" (286mm) | 17 oz.(480g) |

### REPLACEMENT STEEL BRUSH AND RETAINER SPRING

| Model | Item Code No. | Description   |
|-------|---------------|---|
| LWB   | 09330         | Brush For Models LA-1 and LAW-1 Combination Hammers           |
| LBRS  | 09340         | Retainer Spring For Models LA-1 and LAW-1 Combination Hammers |



# UNIVERSAL CIRCLE BURNER & WELDING BLANKETS

## UNIVERSAL CIRCLE BURNER

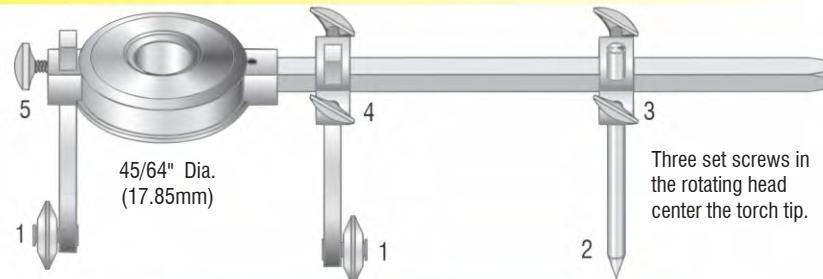
- Cut circles or straight lines with any oxyfuel cutting torch
- Equipped with two wheels and centering pin

This handy tool is ideal for shop or maintenance department that must occasionally cut circles or straight lines but where expensive equipment is not practical.

### MAGNETIC HOLDING BASE

#### for CB-20 or CB-30 Circle Burner

Magnet with 16 lbs.(7.3kg) direct pull holds centering pin in place, frees your hand and allows you to focus your attention on the torch. (**Caution:** Magnet should not be used when cutting circle with less than a 6" radius.)



| Item No. | Item Code No. | Description             |
|----------|---------------|-------------------------|
| 1.       | 03012         | Wheel Assembly          |
| 2.       | 03013         | Center Pin              |
| 3.       | 03014         | Guide Block-Round Hole  |
| 4.       | 03015         | Guide Block-Square Hole |
| 5.       | 03016         | Thumb Screw             |

MODEL  
CBM-2030



| Model    | Item Code No. | Description                           | Maximum Diameter Circle | Minimum Diameter Circle |
|----------|---------------|---------------------------------------|-------------------------|-------------------------|
| CB-20    | 03010         | LENCO Circle Burner                   | 18" (457mm)             | 3½" (89mm)              |
| CB-30    | 03020         | LENCO Circle Burner                   | 30" (762mm)             | 3½" (89mm)              |
| CBM-2030 | 03030         | Magnetic Base Only for CB-20 or CB-30 | ---                     | ---                     |

## WELDING BLANKETS



**Non-Coated**  
**1000°F (525°C)**

100% Fiberglass

Available with or without  
Grommets 24" Approx.



| Model        | Item Code No. | Description - Finished size                 | Grommet | Color  | Material Weight |
|--------------|---------------|---|---------|--------|-----------------|
| LWB-66-30    | 08810         | Blanket - 5'- 8" X 5' - 8" Kevlar Stitching | Yes     | Golden | 30 oz.          |
| LWB-66-18    | 08811         | Blanket - 5'- 8" X 5' - 8" Kevlar Stitching | Yes     | Golden | 18 oz.          |
| LWB-66-30-NG | 08812         | Blanket - 5'- 8" X 5' - 8" Kevlar Stitching | No      | Golden | 30 oz.          |
| LWB-68-30    | 08820         | Blanket - 5'- 8" X 7' - 8" Kevlar Stitching | Yes     | Golden | 30 oz.          |
| LWB-68-18    | 08821         | Blanket - 5'- 8" X 7' - 8" Kevlar Stitching | Yes     | Golden | 18 oz.          |
| LWB-68-30-NG | 08822         | Blanket - 5'- 8" X 7' - 8" Kevlar Stitching | No      | Golden | 30 oz.          |
| LWR-5150-13  | 08840         | Blanket - 5' X 150'                         | No      | Golden | 13 oz.          |
| LWR-5150-18  | 08845         | Blanket - 5' X 150'                         | No      | Golden | 18 oz.          |
| LWR-6150-30  | 08850         | Blanket - 6' X 150'                         | No      | Golden | 30 oz.          |
| LWM-22       | 08870         | Mat 2' x 2'                                 | No      | Golden | —               |
| LWM-24       | 08875         | Mat 2' x 4'                                 | No      | Golden | —               |

## WELDING PROTECTION PADS

- Coated fiberglass covered mat
- Ceramic fiber filling
- Withstands 1200° F



LWM-22



LWM-24





# ELECTRODE STABILIZING ROD OVENS



LRO-10

LRO-15 W/T

LRO-50

LRO-450

| SPECIFICATIONS                | LRO-10                  | LRO-15 W/T                    | LRO-50                  | LRO-450-120                   | LRO-450-230*                  |
|-------------------------------|-------------------------|-------------------------------|-------------------------|-------------------------------|-------------------------------|
| <b>Model</b>                  | LRO-10-120              | LRO-15-120 W/T                | LRO-50-120              | LRO-450-120                   | LRO-450-230                   |
| <b>Item Code No.</b>          | 01910                   | 01916                         | 01950                   | 01970                         | 01971                         |
| <b>Voltage - Single Phase</b> | 120V 50/60hz<br>AC Only | 120V 50/60hz<br>AC Only       | 120V 50/60hz<br>AC Only | 120V 50/60hz<br>AC Only       | 230V 50/60hz<br>AC Only       |
| <b>Capacity</b>               | 10 lbs.                 | 15 lbs.                       | 50 lbs.                 | 450 lbs.                      | 450 lbs.                      |
| <b>Size Electrode Handled</b> | 10" thru 18"            | 10" thru 18"                  | 10" thru 18"            | 10" thru 18"                  | 10" thru 18"                  |
| <b>Sealed Heating Element</b> | 80 Watts                | 150 Watts                     | 350 Watts               | 1000 Watts                    | 1000 Watts                    |
| <b>Wiring</b>                 | 5' Heavy Duty Cord      | 5' Heavy Duty Cord            | 5' Heavy Duty Cord      | 5' Heavy Duty Cord            | 5' Heavy Duty Cord            |
| <b>Pilot Light</b>            | Yes                     | Yes                           | Yes                     | Yes                           | Yes                           |
| <b>Temp Range</b>             | 300° F Preset           | 100° F - 300° F<br>Adjustable | 300° F Preset           | 150° F - 550° F<br>Adjustable | 150° F - 550° F<br>Adjustable |
| <b>Thermostat</b>             | Preset                  | Adjustable                    | Preset                  | Adjustable                    | Adjustable                    |
| <b>Insulation</b>             | 1" Ceramic Fiber        | 1" Ceramic Fiber              | 1" Ceramic Fiber        | 3" Ceramic Fiber              | 3" Ceramic Fiber              |
| <b>Chamber Size</b>           | 3" Dia. X 18"           | 3.5" X 3.5" X 18"             | 6" X 6" X 18"           | 22" Dia. X 19.5"              | 22" Dia. X 19.5"              |
| <b>Exterior Dim.</b>          | 5" Dia. X 25"           | 6.5" X 6.5" X 26"             | 9.5" X 9.5" X 24"       | 27" X 24" X 28"               | 27" X 24" X 28"               |
| <b>Net Weight</b>             | 9.2 lbs.                | 15.3 lbs.                     | 28.8 lbs.               | 119 lbs.                      | 119 lbs.                      |

\*NOTE - 230 VAC units are not supplied with plug

## ROD OVEN REPLACEMENT PARTS

| ROD OVEN                   | LRO-10 | LRO-15 W/T | LRO-50 | LRO-450-120 | LRO-450-230* |
|----------------------------|--------|------------|--------|-------------|--------------|
| <b>Pilot Light</b>         | 019231 | 019231     | 019231 | 019231      | 019231       |
| <b>Basket &amp; Handle</b> | 01924  | N/A        | N/A    | N/A         | N/A          |
| <b>Retaining Clip</b>      | 01925  | N/A        | N/A    | N/A         | N/A          |
| <b>Receptacle</b>          | 01929  | N/A        | N/A    | N/A         | N/A          |
| <b>Thermostat</b>          | 019731 | N/A        | 019731 | 01973       | 01973        |
| <b>Heating Element</b>     | N/A    | N/A        | N/A    | 01975       | 019751       |
| <b>Handle &amp; Latch</b>  | N/A    | N/A        | N/A    | 01976       | 01976        |
| <b>Latch Assembly</b>      | N/A    | N/A        | 01977  | N/A         | N/A          |
| <b>Power Cord 6'</b>       | 019781 | 019781     | N/A    | N/A         | N/A          |
| <b>Power Cord w/o Plug</b> | N/A    | N/A        | N/A    | 01979       | 01979        |



# RESISTANCE SPOT WELDERS

## PANELMASTER

The LENCO PANELMASTER combines durability and functionality, making it a cost effective, workhorse welder for today's collision repair market. With fully liquid cooled welding leads and a newly designed ultra efficient transformer, the PANELMASTER delivers 8000 amps of welding power dependably and consistently. Simple, user friendly operation with single dial weld adjustment takes all the guess work out, saving valuable time and increasing profits. Also included with the PANELMASTER are a single side welding lead assembly, 14" electrode arms, and wheelhouse electrodes for difficult to reach areas.

- Generates 8,000 amps
- Clamping force of 550 lbs.
- Maximum welding capacity of 3 pc. 18 ga.
- Mounted on easy movable cart
- Has one sided spot welding gun
- 14" long reach arms
- Wheelhouse electrode arms
- Primary voltage is 208/230 single phase 50/60hz. 60 amps
- Shipping weight 285 lbs.
- 25' power cable



| Item Code No. | Description                   |
|---------------|-------------------------------|
| 20947-B       | 14" electrode arms - included |



| Item Code No. | Description                          |
|---------------|--------------------------------------|
| 20946         | Wheelhouse electrode arms - included |

| Model   | Item Code No. | Description                            | Primary Voltage          | KVA Rating | Line Fuse | Size               | Power Input Cable | Maximum Welding Capacity | Duty Cycle | Shipping Weight |
|---------|---------------|--|--------------------------|------------|-----------|--------------------|-------------------|--------------------------|------------|-----------------|
| LPM-8   | 20610         | PANELMASTER                            | 208/230 VAC Single Phase | 8          | 60 Amp    | 45"H x 23"W x 25"D | 25'               | 3 pc. 18 ga. sq. gun     | 50%        | 300 lbs.        |
| B-144   | 26144         | Welding tips - standard arms (pkg 2)   |                          |            |           |                    |                   |                          |            |                 |
| B-143   | 26143         | Welding tips - long reach arms (pkg 2) |                          |            |           |                    |                   |                          |            |                 |
| LAS-415 | 23415         | Coolant - 1 gallon                     |                          |            |           |                    |                   |                          |            |                 |



# RESISTANCE SPOT WELDERS

## The LENCOSPOT® MARK II®

The Mark II welder makes factory type spot welds in the shop. Simple to operate by pressing the two electrodes against the work and pressing the trigger. Two spot welds are made at one time from a single side. The mark II is simple, efficient, and can be used for a variety of light duty sheet metal applications.

- Time of welds is automatically controlled by solid state electronics
- Protected control panel
- On/Off indicating switch
- Maximum welding capacity is 20 ga. auto body steel
- Tool storage space
- Primary voltage is 230 single phase 50/60 Hz, 50 amp or 480 single phase 50/60 Hz, 30 amp
- 50' power cable on 230V models.

| Model   | Item Code No. | Voltage | Shipping Weight |
|---------|---------------|---------|-----------------|
| L-4000  | 20400         | 230     | 110 lbs.        |
| L-4480* | 20480         | 480     | 97 lbs.         |

\*w/o power cable



QPK-20  
Optional



L-950  
Optional

### Replacement tips

| Model | Item Code No. | Description                    |
|-------|---------------|--------------------------------|
| A-144 | 21050         | Regular welding tips (pkg 2)   |
| A-145 | 21040         | Drip rail welding tips (pkg 2) |

### OPTIONAL Accessories

| Model  | Item Code No. | Description                                   |
|--------|---------------|---|
| QPK-20 | 27420         | Quick Pull dent pulling attachment            |
| L-950  | 27001         | Uni-Spot III squeeze type weld cable assembly |

## LENCPULL Portable Dent Pulling Systems

Lenco dent pulling systems allow for any type of pull in any situation. Just weld the star tip to the panel by pressing the trigger, pull, and twist to remove. No more draw pins to cut and grind, saving valuable time and money. The systems have their own specially designed transformers and are available in 120 or 230 VAC.

### LP-2000

- Star tip welds directly to the panel
- Built on slide hammer for one step operation
- Includes heat shrinking tip
- 7' welding and 7' ground cable leads
- 25' power cable
- Shipping weight is 64 lbs.

| Model   | Item Code No. | Voltage          | Amperage Requirement |
|---------|---------------|------------------|----------------------|
| LP-2000 | 20720         | 230 Single Phase | 20 Amps              |
| LP-2000 | 20820         | 120 Single Phase | 20 Amps              |

### Replacement tips

| Model  | Item Code No. | Description               |
|--------|---------------|---------------------------|
| QP-451 | 27451         | Star tips (package of 10) |

### OPTIONAL Accessories

| Model   | Item Code No. | Description                      |
|---------|---------------|----------------------------------|
| A-2000  | 22150         | Service cart                     |
| QC-469  | 27469         | Quick claw kit                   |
| SPK-102 | 28916         | Welding tip-long studs           |
| A-202   | 21100         | Welding tip-slotted              |
| SPK-103 | 28917         | Welding tip-mold rivet           |
| A-200   | 21080         | Welding tip-hollow, stud welding |





# ARC-FORCE®

## Electrode Holders



**ARC-532**



**ARC-316**



**ARC-732**



**ARC-T-400**



**ARC-T-600**

| MODEL     | ITEM CODE NO. | AMPERAGE |
|-----------|---------------|----------|
| ARC-532   | 041320        | 200      |
| ARC-316   | 041330        | 250      |
| ARC-732   | 041340        | 300      |
| ARC-T-400 | 041291        | 400      |
| ARC-T-600 | 041290        | 600      |

### ARC FORCE REPLACEMENT PARTS

| ELECTRODE HOLDER       | ARC-532 | ARC-316 | ARC-732 |
|------------------------|---------|---------|---------|
| Tip Insulator w/Screws | 041321  | 041321  | 041341  |
| Spring Set             | 041322  | 041332  | 041332  |

Replacement Head for ARC-T-400 (Item code no. 041294)

Replacement Head for ARC-T-600 (Item code no. 041295)

## Economy Ground Clamps

**ARC-S200**



**ARC-S300**



**ARC-S500**



| MODEL    | ITEM CODE NO. | AMP CAPACITY |
|----------|---------------|--------------|
| ARC-S200 | 042000        | 200          |
| ARC-S300 | 042040        | 300          |
| ARC-S500 | 042050        | 500          |

## Flat Ground Clamps

**ARC-F200**



**ARC-F300**



**ARC-F500**



| MODEL    | ITEM CODE NO. | AMP CAPACITY |
|----------|---------------|--------------|
| ARC-F200 | 042010        | 200          |
| ARC-F300 | 042020        | 300          |
| ARC-F500 | 042030        | 500          |

## Pipe Ground Clamps

**ARC-G200**



**ARC-G300**



**ARC-G500**



| MODEL    | ITEM CODE NO. | AMP CAPACITY |
|----------|---------------|--------------|
| ARC-G200 | 042011        | 200          |
| ARC-G300 | 042021        | 300          |
| ARC-G500 | 042031        | 500          |



# ARC-FORCE®

## Cable Connectors

**ARC-1MPC**



**ARC-2MPC**



**ARC-4MPC**



| MODEL       | ITEM CODE NO. | DESCRIPTION                |
|-------------|---------------|----------------------------|
| ARC-1MPC    | 045140        | 250 Amp #4 thru 1/0        |
| ARC-2MPC    | 045150        | 350 Amp 1/0 thru 2/0       |
| ARC-4MPC    | 045160        | 500 Amp 3/0 thru 4/0       |
| ARC-2-1-MPC | 045170        | Whip Connector #4 thru 1/0 |

**ARC-2-1-MPC**



## International Dinse Type Machine Plugs

**ARC-M25**



**ARC-M70**



**ARC-M50**



**ARC-M95**



\*Need to order in multiples of two.

## Hammer On Lugs and Splicers

**ARC-HL42**



**ARC-HS42**



**ARC-HL1020**



**ARC-HL3040**



**ARC-HS1020**



**ARC-HS3040**



| MODEL      | ITEM CODE NO. | DESCRIPTION          |
|------------|---------------|----------------------|
| ARC-HL42   | 047000        | Lug #4 thru #2       |
| ARC-HL1020 | 047020        | Lug 1/0 thru 2/0     |
| ARC-HL110  | 047010        | Lug #1 thru 1/0      |
| ARC-HL3040 | 047030        | Lug 2/0 thru 4/0     |
| ARC-HS42   | 046110        | Splicer #4 thru #2   |
| ARC-HS1020 | 046120        | Splicer 1/0 thru 2/0 |
| ARC-HS3040 | 046130        | Splicer 2/0 thru 4/0 |

## Magnetic Ground Clamp

**ARC-M50G**



| MODEL    | ITEM CODE NO. | AMP CAPACITY |
|----------|---------------|--------------|
| ARC-M50G | 042300        | 300          |

## Battery Clamps

**ARC-BAT600**



| MODEL      | ITEM CODE NO. | DESCRIPTION             |
|------------|---------------|-------------------------|
| ARC-BAT600 | 042180        | Set of Clamps Black/Red |



TELEPHONE:  
TEL: (281) 485-6258  
FAX: (281) 485-8030

## QUICK REFERENCE

ADDRESS:  
1603 NORTH MAIN  
PEARLAND, TX 77581

**PROFAK**

### QUICK REFERENCE

|  |   | PAGE(S)   |
|--|---|-----------|
| 160 AMP - 500 AMP<br>AIR COOLED MIG  |   | 33 - 79   |
| 400 AMP - 500 AMP<br>AIR COOLED MACHINE TORCH  |   | 80 - 87   |
| 600 AMP<br>WATER COOLED MIG  |   | 88 - 90   |
| 130AMP - 450AMP<br>SELF-SHIELD<br>FLUX CORE  |   | 91 - 99   |
| SUB ARC<br>&<br>SMALL BORE TORCHES   |   | 100 - 105 |
| AEC 200<br>SPOOL GUNS<br>AND CONTROLS  |   | 106 - 115 |
| <b>TIG MASTER</b><br>TIG TORCHES, ACCESSORIES,<br>TUNGSTEN & COLD WIRE FEEDER  |   | 116 - 150 |
| ARC GOUGING TORCHES<br>AND CARBONS   |   | 151 - 162 |
| CERAMIC BACKING TAPE,<br>WATER SOLUBLE PAPER,<br>AND WELD FILLET GAUGES  |   | 163       |
| FLOWMETERS, BALLOON FILLERS, GAUGES,<br>CUTTING TIPS, SINGLE AND TWIN HOSE,<br>8 WAY PLIERS, CHEMICALS, PIPE WRAPS,<br>AND FLANGE ALIGNMENT TOOL |   | 164 - 169 |
| PORTABLE BEVELING &<br>CUTTING MACHINES<br>POWER SOURCES &<br>WIRE FEEDERS, STEP DOWN TRANSFORMER  |   | 170 - 186 |
| QCC CONDUITS<br>AND WIRE STRAIGHTENERS   |   | 187 - 188 |
| WELDING POSITIONERS<br>TURNING ROLLS<br>MANIPULATORS   |   | 189 - 200 |
| ADJUSTMENT SLIDES,<br>OSCILLATORS, WELDING SLIDE,<br>COMPOUND SLIDES, &<br>MOTORIZED WELDING CROSS SLIDES  |   | 201 - 205 |
| REPLACEMENT PARTS  |   |           |
| Bernard® .....   | 206-209   | 270       |
| Bortech® .....   | 209   | 271       |
| Cobramatic® .....  | 210-211   | 273-278   |
| Esab® .....  | 212-213   | 274-278   |
| Lincoln® .....   | 214-239   | 278-279   |
| Miller® .....  | 240-257   | 280-284   |
| Thermal Arc® .....   | 257   |           |
| Tregaskiss® .....  | 258-259   |           |
| Tweco® .....   | 260-269   |           |
| PLASMA   | Coolant, Cable Covers, Regulators and Filters ..... | 270       |
| R E P L A C E M E N T  | Century® .....                                      | 271       |
| P A R T S  | Esab® .....   | 271-273   |
| L A C K S  | Hypertherm® .....                                   | 274-278   |
| E  | Miller Electric Mfg. Co.® .....                     | 278-279   |
| M  | Thermal Dynamics Corp.® .....                       | 280-284   |
| CONTACTORS   | .....   | 285-288   |



# MIG GUN QUICK REFERENCE

**PROFAK**

| PROFAK Display Packaging                   | PAGE(S) | Platinum<br>400 Amp Heavy Duty                                   | PAGE(S) |
|--|---------|--|---------|
|  | 32      |  | 66 - 69 |
| <b>Platinum<br/>Compact 160 Amp</b><br>    | 33 - 35 | <b>Platinum<br/>450 Amp Heavy Duty</b><br>                       | 70 - 75 |
| <b>Platinum<br/>Compact 180 Amp</b><br>    | 36 - 41 | <b>Platinum<br/>500 Amp</b><br>                                  | 76 - 79 |
| <b>Platinum<br/>Compact 250 Amp</b><br>    | 42 - 45 | <b>400 Amp AMT Machine Torch</b><br>                             | 80 - 81 |
| <b>Platinum "Choice"<br/>FC250 Amp</b><br> | 46 - 49 | <b>HD450 Amp AMT Heavy Duty<br/>Machine Torch</b><br>            | 82 - 83 |
| <b>Platinum<br/>250 Amp Heavy Duty</b><br> | 50 - 55 | <b>500 Amp AMT Machine Torch</b><br>                             | 84 - 87 |
| <b>Platinum<br/>Compact 400 Amp</b><br>    | 56 - 61 | <b>Platinum<br/>600 Amp Water Cooled MIG Gun</b><br>             | 88 - 89 |
| <b>Platinum "Choice"<br/>FC400 Amp</b><br> | 62 - 65 | <b>BT-600/BT-600R*/ST-600<br/>Water Cooled Machine Torch</b><br> | 90      |

REFERENCE  
QUICK



# DISPLAY PACKAGING

**PROFAK**

## On our most popular MIG consumable items!

To order display packs, simply add "DP" in front of part number. Display packs available for:

**PROFAK** Contact Tips: 11 series, 11T series, 14 series, 14H series and 14T series.

**PROFAK** Nozzles: 21 series, 21T series, 22 series, 22T series, 23 series, 23T series, 24A series, and 24AT series.

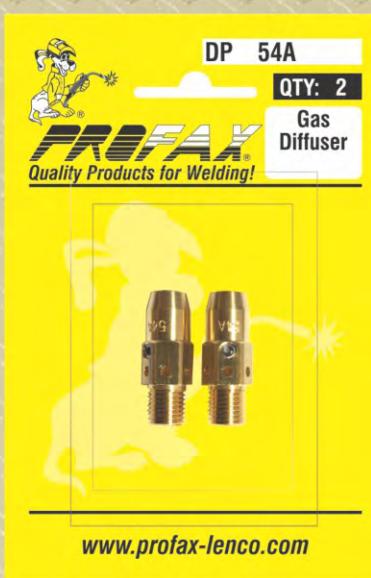
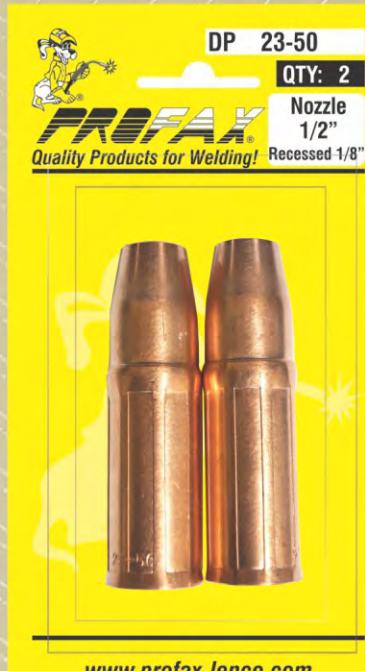
**PROFAK** Insulators: 32 and 34A.

**PROFAK** Gas Diffusers: 35-50, 51, 52, 52FN, and 54A.

Plus many popular Miller® style consumables.

### Current list of items

| PX NO.     | DESCRIPTION                 | QTY. |
|------------|-----------------------------|------|
| DP000067   | Contact tip .030            | 10   |
| DP000068   | Contact tip .035            | 10   |
| DP000069   | Contact tip .045            | 10   |
| DP087299   | Contact tip .023            | 10   |
| DP11-23    | Contact tip .023            | 10   |
| DP11-30    | Contact tip .030            | 10   |
| DP11-35    | Contact tip .035            | 10   |
| DP11-45    | Contact tip .045            | 10   |
| DP11T23    | Tapered contact tip .023    | 10   |
| DP11T30    | Tapered contact tip .030    | 10   |
| DP11T35    | Tapered contact tip .035    | 10   |
| DP11T45    | Tapered contact tip .045    | 10   |
| DP14-116   | Contact tip 1/16"           | 10   |
| DP14-23    | Contact tip .023            | 10   |
| DP14-30    | Contact tip .030            | 10   |
| DP14-35    | Contact tip .035            | 10   |
| DP14-45    | Contact tip .045            | 10   |
| DP14-52    | Contact tip .052            | 10   |
| DP14H116   | H.D. contact tip 1/16"      | 10   |
| DP14H35    | H.D. contact tip .035       | 10   |
| DP14H45    | H.D. contact tip .045       | 10   |
| DP14H52    | H.D. contact tip .052       | 10   |
| DP14T116   | Tapered contact tip 1/16"   | 10   |
| DP14T23    | Tapered contact tip .023    | 10   |
| DP14T30    | Tapered contact tip .030    | 10   |
| DP14T35    | Tapered contact tip .035    | 10   |
| DP14T45    | Tapered contact tip .045    | 10   |
| DP14T52    | Tapered contact tip .052    | 10   |
| DP169715   | Nozzle flush 1/2" I.D.      | 2    |
| DP169716   | Tip Adapter                 | 2    |
| DP169717   | Shock washer                | 2    |
| DP169724   | Nozzle recessed 1/2" I.D.   | 2    |
| DP169725   | Nozzle recessed 5/8" I.D.   | 2    |
| DP169726   | Nozzle flush 5/8" I.D.      | 2    |
| DP169728   | Tip Adapter                 | 2    |
| DP169729   | Nozzle Adapter              | 2    |
| DP169730   | Shock washer                | 2    |
| DP186405   | Nozzle 1/2" I.D.            | 2    |
| DP186406   | Contact tip .035            | 10   |
| DP186419   | Contact tip .030            | 10   |
| DP200258   | Nozzle flush 1/2" I.D.      | 2    |
| DP21-50    | Nozzle recessed 1/2" I.D.   | 2    |
| DP21-62    | Nozzle recessed 5/8" I.D.   | 2    |
| DP21T37    | Tapered nozzle 3/8" I.D.    | 2    |
| DP22-50    | Nozzle recessed 1/2" I.D.   | 2    |
| DP22-62    | Nozzle recessed 5/8" I.D.   | 2    |
| DP22T37SS  | Tapered nozzle 3/8" I.D.    | 2    |
| DP23-50    | Nozzle recessed 1/2" I.D.   | 2    |
| DP23-62    | Nozzle recessed 5/8" I.D.   | 2    |
| DP23T37    | Tapered nozzle 3/8" I.D.    | 2    |
| DP24A50    | Nozzle recessed 1/2" I.D.   | 2    |
| DP24A62    | Nozzle recessed 5/8" I.D.   | 2    |
| DP24AT37SS | Tapered nozzle 3/8" I.D.    | 2    |
| DP32       | Insulator 22 series nozzles | 2    |
| DP34A      | Insulator 24 series nozzles | 2    |
| DP35-50    | Gas diffuser 11 series tips | 2    |
| DP51       | Gas diffuser 11 series tips | 2    |
| DP52       | Gas diffuser 14 series tips | 2    |
| DP52FN     | Gas diffuser 14 series tips | 2    |
| DP54A      | Gas diffuser 14 series tips | 2    |





# Platinum Compact 160 Amp MIG Gun

**PROFAX**

Platinum Compact  
160 Amp MIG Gun



## STANDARD FEATURES:

- Compact handle
- Extra flexible cable
- Light weight

| PROFAX NO.    | DESCRIPTION                         | PROFAX NO.    | DESCRIPTION                         |
|---------------|-------------------------------------|---------------|-------------------------------------|
| 160-23-10     | MIG gun .023 standard rear end      | LP160-23-10   | MIG gun .023 Lincoln® rear end      |
| 160-23-12     | MIG gun .023 standard rear end      | LP160-23-12   | MIG gun .023 Lincoln® rear end      |
| 160-3035-10   | MIG gun .030-.035 standard rear end | LP160-3035-10 | MIG gun .030-.035 Lincoln® rear end |
| 160-3035-12   | MIG gun .030-.035 standard rear end | LP160-3035-12 | MIG gun .030-.035 Lincoln® rear end |
| 160-3035-15   | MIG gun .030-.035 standard rear end | LP160-3035-15 | MIG gun .030-.035 Lincoln® rear end |
| C160-23-10    | MIG gun .023 Century® rear end      | M160-23-10    | MIG gun .023 Miller® rear end       |
| C160-23-12    | MIG gun .023 Century® rear end      | M160-23-12    | MIG gun .023 Miller® rear end       |
| C160-3035-10  | MIG gun .030-.035 Century® rear end | M160-3035-10  | MIG gun .030-.035 Miller® rear end  |
| C160-3035-12  | MIG gun .030-.035 Century® rear end | M160-3035-12  | MIG gun .030-.035 Miller® rear end  |
| C160-3035-15  | MIG gun .030-.035 Century® rear end | M160-3035-15  | MIG gun .030-.035 Miller® rear end  |
| LH160-23-10   | MIG gun .023 Lincoln® rear end      |               |                                     |
| LH160-23-12   | MIG gun .023 Lincoln® rear end      |               |                                     |
| LH160-3035-10 | MIG gun .030-.035 Lincoln® rear end |               |                                     |
| LH160-3035-12 | MIG gun .030-.035 Lincoln® rear end |               |                                     |
| LH160-3035-15 | MIG gun .030-.035 Lincoln® rear end |               |                                     |

**C-Century®:** Powermate 90,160, & 225. Solar®125 (New -1982), Solar®165 (New-1982) Solar®2-175 (New-1982), Solar®2120 and Portable mig. Snap-On® YA 212, YA219C Portable mig and YA205.



**LH-Lincoln®:** SP85, SP100, SP100T, SP125 Plus, SP130T, SP135 Plus, SP135T, SP140I, SP170T, SP175T, SP175 Plus, Weldpack 100, 100 Plus, 125, 155.



**Hobart®:** Betamig 200, 250 and 251.



**LP-Lincoln®:** Powermig 140C and 180C. Also SP-140T and SP-180T



**M-Miller®:** Cricket, Cricket XL, Challenger, Sidekick, Sidekick XL, Millermatic 90,120,130, 135, 140, 141, 150, 175, 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350, 350P, Pulser and Vintage. Millermatic 35 (after Jan.1980 beginning with s/n JA356001). 22, 50, 60, and 70 series feeders. X-Treme® 8VS, 12RC and 12VS

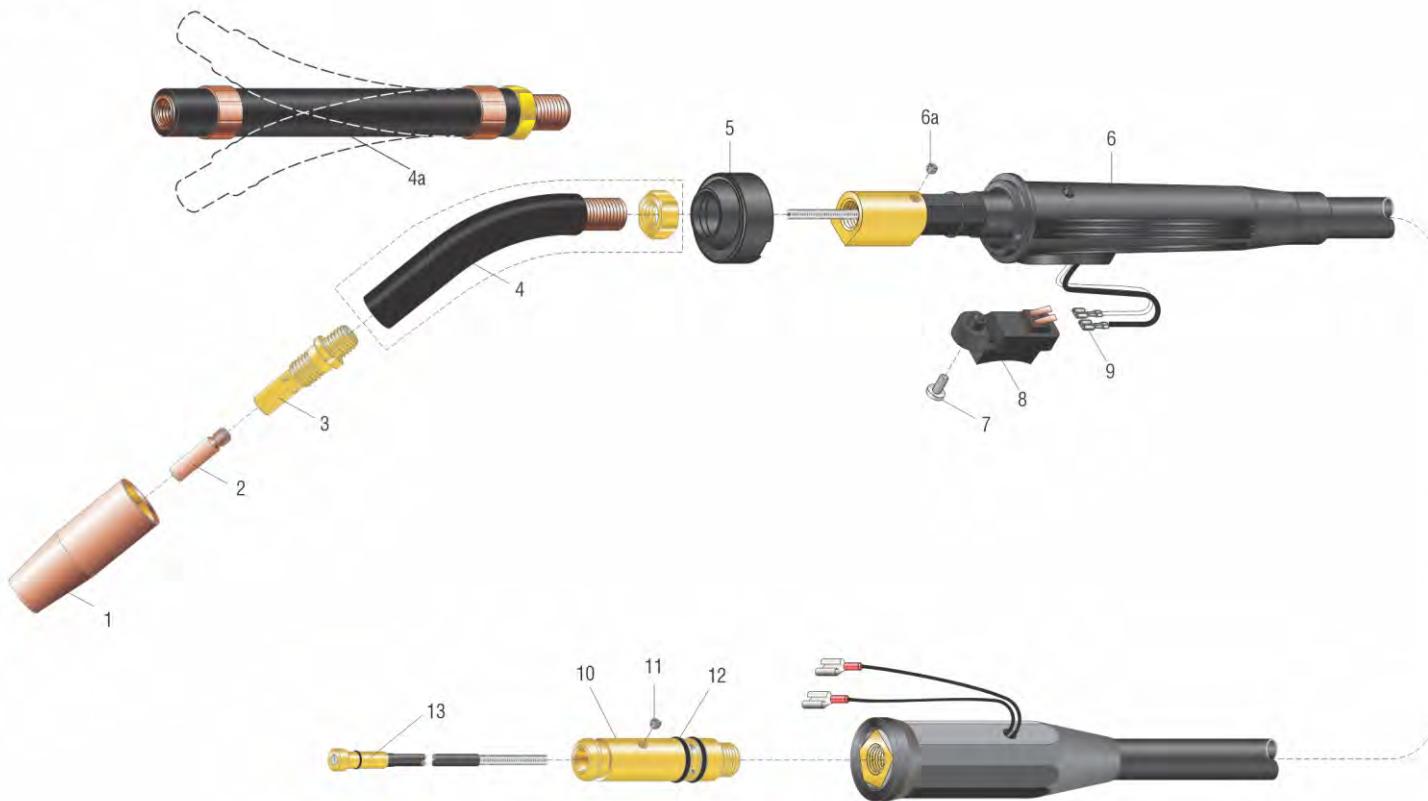
**Hobart®:** Betamig 2510 and Olympic VS.



Platinum

Compact 160 Amp MIG Gun Parts List

PROFAX



| NO. | PROFAX NO.   | DESCRIPTION   | NO. | PROFAX NO.                                       | DESCRIPTION  |
|-----|--|---|-----|--|--|
| 1.  | 21-37<br>21-50<br>21-62<br>21-37F<br>21-50F<br>21-62F<br>21T37       | Nozzle 3/8", self-insulated<br>Nozzle 1/2", self-insulated ( <b>standard</b> )<br>Nozzle 5/8", self-insulated<br>Nozzle 3/8", self-insulated, flush<br>Nozzle 1/2", self-insulated, flush<br>Nozzle 5/8", self-insulated, flush<br>Nozzle 3/8", self-insulated, tapered | 4a. | TF-160   | Flexible barrel  |
|     | 11-23<br>11-30<br>11-35<br>11H30<br>11H35<br>11T23<br>11T30<br>11T35 | Contact tip .023<br>Contact tip .030<br>Contact tip .035<br>Contact tip .030, HD<br>Contact tip .035, HD<br>Tapered tip .023<br>Tapered tip .030<br>Tapered tip .035  | 5.  | 35-80-A1   | Front cap  |
|     |  | <b>Standard<br/>series tips</b>   | 6.  | 35-80  | Handle   |
|     |  |   | 6a. | 160-43   | Liner set screw  |
|     |  |   | 7.  | 160-45   | Screw  |
|     |  |   | 8.  | 35-90  | Trigger assembly   |
|     |  |   | 9.  | 160-60   | Trigger connector-female   |
| 2.  |  |   | 10. | R174-C<br>R174-LH<br>R174-LP<br>R174-M<br>R174-T | Connector Century®<br>Connector Lincoln®<br>Connector Lincoln®<br>Connector Miller®<br>Connector ( <b>standard</b> ) |
|     |  |   | 11. | 44C  | Set screw  |
|     |  |   | 12. | 224  | O-ring   |
| 3.  | 35-50  | Gas diffuser  | 13. | 41-23-15<br>41-3035-15                           | 15' wire conduit assembly .023<br>15' wire conduit assembly .030-.035  |
| 4.  | 35-60-60   | Conductor tube 60°  |     |  |  |

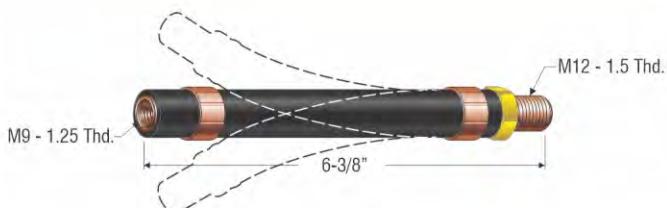


# Platinum Compact 160 Amp MIG Gun

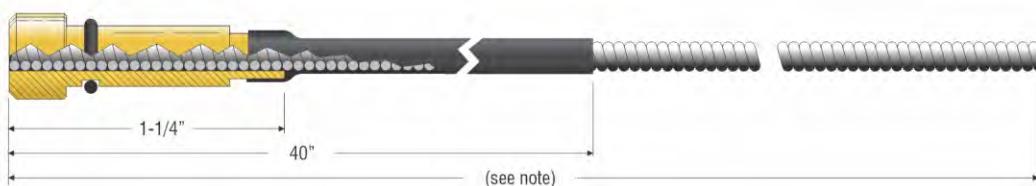
**PROFAX**

Platinum Compact  
160 Amp MIG Gun

| PROFAX NO. | DESCRIPTION                 | TIP I.D.            | PROFAX NO. | DESCRIPTION                         |
|------------|-----------------------------|---------------------|------------|-------------------------------------|
| 11-23      | Contact tip .023            | .031                | 21-50      | Nozzle 1/2"<br>Recessed tip         |
| 11-30      | Contact tip .030            | .038                |            |                                     |
| 11-35      | Contact tip .035            | .044                |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
| 11T23      | Contact tip .023            | .031                | 21-62      | Nozzle 5/8"<br>Recessed tip         |
| 11T30      | Contact tip .030            | .038                |            |                                     |
| 11T35      | Contact tip .035            | .044                |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
| 11H30      | Contact tip .030            | .038                |            |                                     |
| 11H35      | Contact tip .035            | .044                |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
| PROFAX NO. | TWECO®                      | DESCRIPTION         | PROFAX NO. | DESCRIPTION                         |
| PX 35-50   | 35-50                       | Gas diffuser        | 21-50F     | Nozzle 1/2"<br>Flush tip            |
|            |                             |                     |            |                                     |
| 21-37      | Nozzle 3/8"<br>Recessed tip | Use 11T series tips | 21-62F     | Nozzle 5/8"<br>Flush tip            |
|            |                             |                     |            |                                     |
|            |                             |                     | 21T37      | Tapered nozzle 3/8"<br>Recessed tip |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |
|            |                             |                     |            |                                     |



| PROFAX NO. | DESCRIPTION        | PROFAX NO. | DESCRIPTION            |
|------------|--------------------|------------|------------------------|
| 35-60-60   | Conductor tube 60° | TF-160     | PROFAX flexible barrel |



Note: 15' wire conduit assembly (16'-0" o.a.l.)

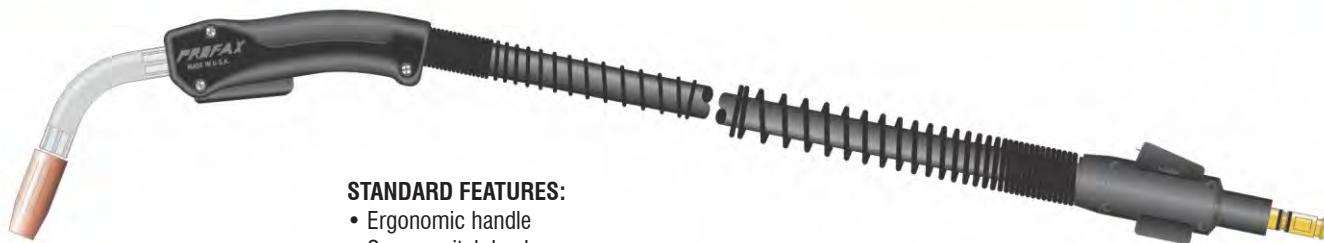
| PROFAX NO.    | DESCRIPTION   | I.D. | O.D. |
|---------------|---|------|------|
| PX 41-23-15   | 15' wire conduit assembly — used with .023 diameter wire      | .044 | .125 |
| PX 41-3035-15 | 15' wire conduit assembly — used with .030-.035 diameter wire | .052 | .125 |



# Platinum Compact 180 Amp MIG Gun

**PROFAX**

Platinum Compact  
180 Amp MIG Gun



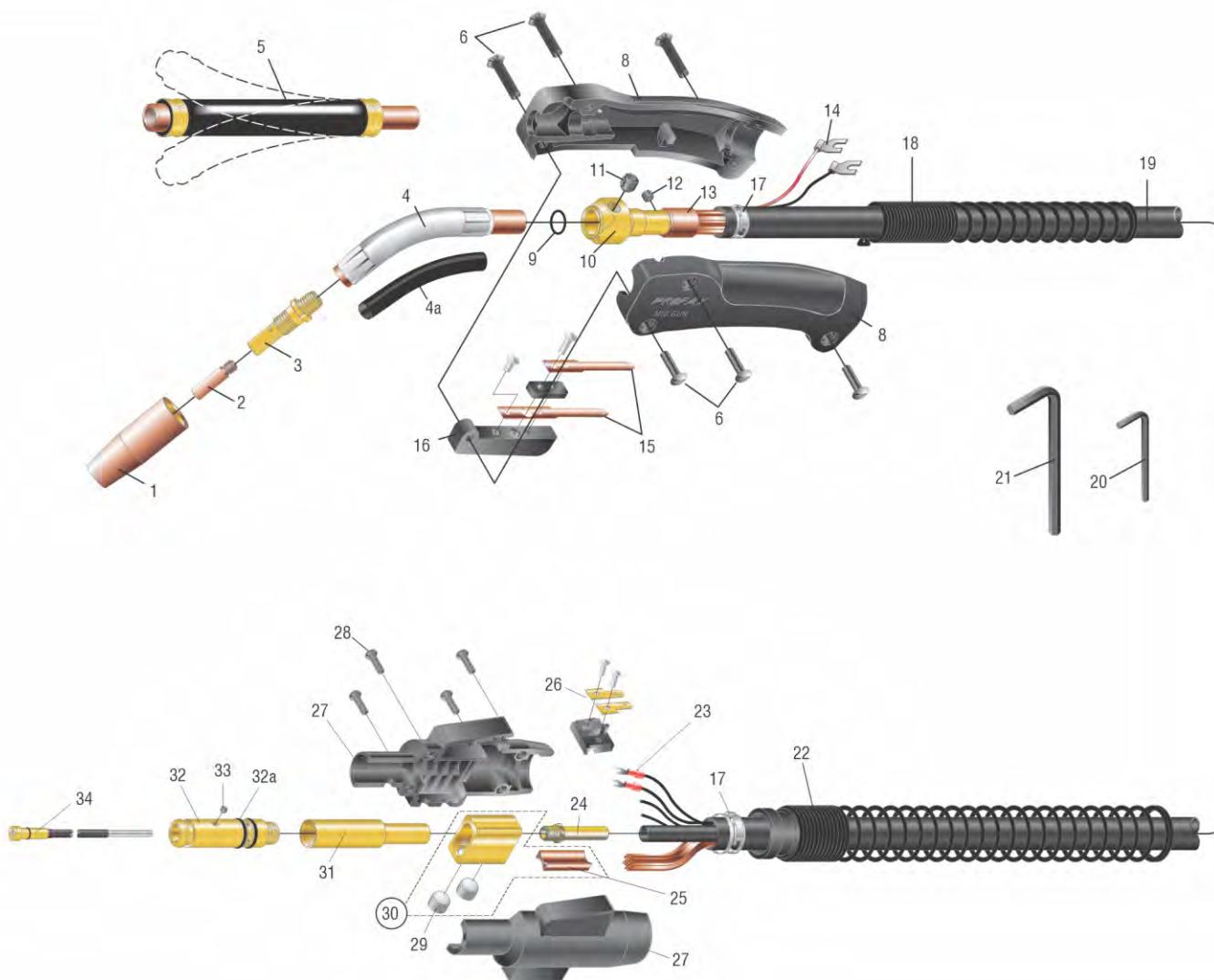
## STANDARD FEATURES:

- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAX NO.  | LENGTH | WIRE SIZE | PROFAX NO.  | LENGTH | WIRE SIZE | PROFAX NO.  | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 180-23-10   | 10'    | .023      | 180-23-12   | 12'    | .023      | 180-23-15   | 15'    | .023      |
| 180-3035-10 | 10'    | .030-.035 | 180-3035-12 | 12'    | .030-.035 | 180-3035-15 | 15'    | .030-.035 |
| 180-4045-10 | 10'    | .040-.045 | 180-4045-12 | 12'    | .040-.045 | 180-4045-15 | 15'    | .040-.045 |

See page 40 for list on ordering direct connect guns.

Adapter kits available for most models of feeders see pages 86-87.





# Platinum Compact 180 Amp MIG Gun Parts List

**PROFAX**

180 Amp MIG Gun  
Parts List

| NO. | PROFAX NO. | DESCRIPTION                                     | NO.  | PROFAX NO. | DESCRIPTION                         |
|-----|------------|---|------|------------|-------------------------------------|
| 1.  | 21-37      | Nozzle 3/8", self-insulated                     | 12.  | 44C        | Set screw for conduit 8-32          |
|     | 21-50      | Nozzle 1/2", self-insulated ( <b>standard</b> ) | 13.  | 110-CS1    | Crimp sleeve                        |
|     | 21-62      | Nozzle 5/8", self-insulated                     | 14.  | 18FT       | Flag terminals (2)                  |
|     | 21-37F     | Nozzle 3/8", self-insulated, flush              | 15.  | 92C        | Switch contacts (2) w/screws        |
|     | 21-50F     | Nozzle 1/2", self-insulated, flush              | 16.  | 92         | Trigger switch assembly             |
|     | 21-62F     | Nozzle 5/8", self-insulated, flush              | 17.  | 0155       | Cable clamp                         |
|     | 21T37      | Nozzle 3/8", self-insulated, tapered            | 18.  | 180-6S     | Spring strain relief for handle     |
| 2.  | 11-23      | Contact tip .023                                | 19.  | 180K       | Bulk cable (per foot)               |
|     | 11-30      | Contact tip .030                                | 20.  | 44-25      | Hex wrench 5/64"                    |
|     | 11-35      | Contact tip .035                                | 21.  | AL-300-532 | Hex wrench 5/32"                    |
|     | 11-40      | Contact tip .040                                | 22.  | R185-S     | Spring                              |
|     | 11-45      | Contact tip .045                                | 23.  | 244        | Terminal                            |
|     | 11H30      | Contact tip .030, HD                            | 24.  | 62N        | Nipple                              |
|     | 11H35      | Contact tip .035, HD                            | 25.  | 114        | Separator                           |
|     | 11H40      | Contact tip .040, HD                            | 26.  | 194        | Connector tab assembly              |
|     | 11H45      | Contact tip .045, HD                            | 27.  | R185-H     | Housing                             |
|     | 11AH364    | Contact tip 3/64" HD                            | 28.  | R185-SC    | Screws for housing (4)              |
|     | 11T23      | Tapered tip .023                                | 29.  | A-532-24   | 9/16" ball point screw              |
|     | 11T30      | Tapered tip .030                                | 30.  | 104        | Cable connector block assembly      |
|     | 11T35      | Tapered tip .035                                | 31.  | R172-UA    | Standard connector plug w/62N       |
|     | 11T40      | Tapered tip .040                                |      | R172-UAG   | Connector plug w/gas hole w/62N     |
|     | 11T45      | Tapered tip .045                                | 32.  | R174-C     | Connector, Century®                 |
|     | 3.         | Gas diffuser-use w/.023 wire                    |      | R174-E     | Connector, Esab®                    |
|     | 51         | Gas diffuser-use w/.030-.045 wire               |      | R-174-H10  | Connector Hobart®                   |
| 4.  | 180-45J    | Jacketed conductor tube 45° ( <b>standard</b> ) |      | R-174-HH   | Connector Hobart®                   |
|     | 180-60J    | Jacketed conductor tube 60°                     |      | R-174-LP   | Connector Lincoln®                  |
|     | 180-180J   | Jacketed conductor tube 180°                    |      | R174-L     | Connector, Lincoln®                 |
| 4a. | 71         | Replacement neoprene insulator                  |      | R174-M     | Connector, Miller®                  |
| 5.  | TFX-180    | Flexible barrel for extreme heat (optional)     |      | R174-T     | Connector, standard                 |
| 6.  | 122FM-SET  | Binders (4 ea.) and screws (4 ea.) for handle   | 32a. | 224        | O-ring                              |
| 8.  | 180H       | Handle with binder screws                       | 33.  | 44C        | Set screw for conduit 8-32          |
| 9.  | OR1        | O-ring  | 34.  | 42-23-15   | 15' wire conduit assembly .023      |
| 10. | 180-1      | Cable connector block assy.                     |      | 42-3035-15 | 15' wire conduit assembly .030-.035 |
| 11. | 516-24     | Conductor tube set screw (5/16-24)              |      | 42-4045-15 | 15' wire conduit assembly .040-.045 |

| PROFAX NO. | DESCRIPTION  | PROFAX NO. | DESCRIPTION  |
|------------|--|------------|--|
| 52FNM10    | Special Gas Diffuser<br>Adapts 23 series nozzles and 14 series tips to 180 gun | 52M10      | Special Gas Diffuser<br>Adapts 22 series nozzles, 32 insulator and 14 series tips to 180 gun |
|            |  |            |  |

## Regulator/Flowmeter

### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design



### High Quality Multi-Purpose 8 Way MIG Plier



Plier is packaged on display card.

| PROFAX NO. | GAS SERVICE                         | CGA INLET | PROFAX NO. | DESCRIPTION     |
|------------|-------------------------------------|-----------|------------|-----------------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       | 8WMP       | 8 Way MIG Plier |
| RF1430-320 | CO <sub>2</sub>                     | 320       |            |                 |



# Platinum Compact 180 Amp MIG Gun

**PROFAX**

## Platinum Compact 180 Amp MIG Gun

| PROFAX NO.                                  | DESCRIPTION   | TIP I.D.                             | PROFAX NO. | DESCRIPTION                      |
|---|---|--------------------------------------|------------|----------------------------------|
| 11-23<br>11-30<br>11-35<br>11-40<br>11-45   | Contact tip .023<br>Contact tip .030<br>Contact tip .035<br>Contact tip .040<br>Contact tip .045  | .031<br>.038<br>.044<br>.047<br>.054 | 21-50      | Nozzle 1/2" Recessed tip         |
|   |   |                                      |            |                                  |
|   |   |                                      |            | <b>Standard Series Tips</b>      |
| 11T23<br>11T30<br>11T35<br>11T40<br>11T45   | Contact tip .023<br>Contact tip .030<br>Contact tip .035<br>Contact tip .040<br>Contact tip .045  | .031<br>.038<br>.044<br>.047<br>.054 | 21-62      | Nozzle 5/8" Recessed tip         |
|   |   |                                      |            |                                  |
|   |   |                                      |            | <b>Tapered Series Tips</b>       |
| 11H30<br>11H35<br>11H40<br>11H45<br>11AH364 | Contact tip .030<br>Contact tip .035<br>Contact tip .040<br>Contact tip .045<br>Contact tip 3/64" | .038<br>.044<br>.049<br>.054<br>.059 | 21-37F     | Nozzle 3/8" Flush tip            |
|   |   |                                      |            |                                  |
|   |   |                                      |            | <b>Heavy duty Series Tips</b>    |
| 51  | Gas diffuser  |                                      | 21-50F     | Nozzle 1/2" Flush tip            |
|   |   |                                      |            |                                  |
| 51-23                                       | Gas diffuser  |                                      | 21-62F     | Nozzle 5/8" Flush tip            |
|   |   |                                      |            |                                  |
|   |   |                                      |            | <b>Use with .023 wire</b>        |
| 21-37                                       | Nozzle 3/8" Recessed tip  |                                      | 21T37      | Tapered nozzle 3/8" Recessed tip |
|   |   |                                      |            |                                  |
|   |   |                                      |            | <b>Use 11T series tips</b>       |



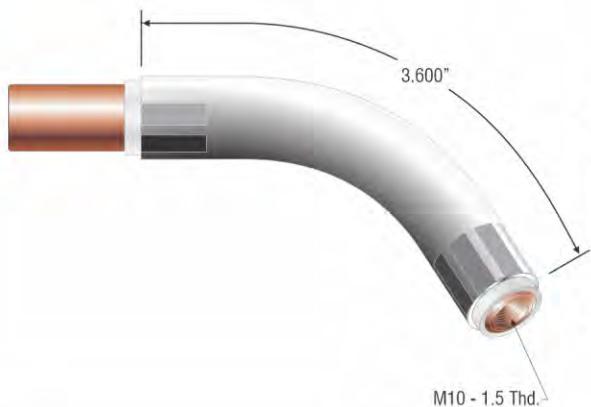
# Platinum Compact 180 Amp MIG Gun

**PROFAX**

## Regulator/Flowmeter

### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design

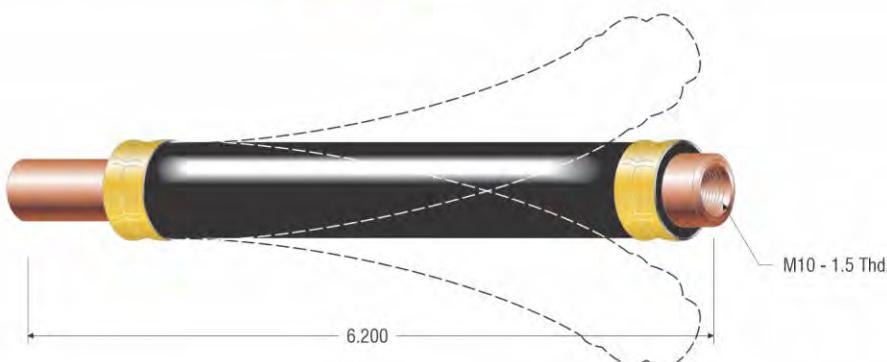


**Platinum Compact  
180 Amp MIG Gun**

| PROFAX NO. | GAS SERVICE                         | CGA INLET |
|------------|-------------------------------------|-----------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       |
| RF1430-320 | CO <sub>2</sub>                     | 320       |

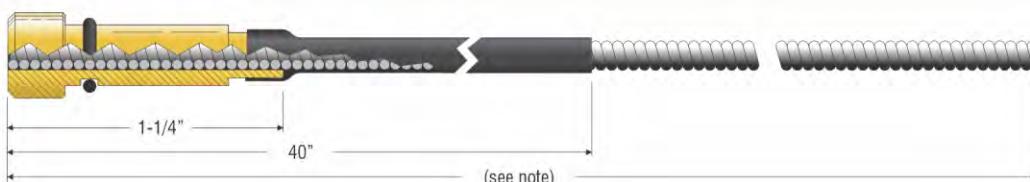
| PROFAX NO. | DESCRIPTION                  |
|------------|------------------------------|
| 180-45J    | Jacketed conductor tube 45°  |
| 180-60J    | Jacketed conductor tube 60°  |
| 180-180J   | Jacketed conductor tube 180° |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION                             | PROFAX NO.  | DESCRIPTION                                |
|------------|---|-------------|--|
| TFX180     | PROFAX flexible barrel for extreme heat | TFX180-12SP | PROFAX flexible barrel 16" over all length |
|            |   | TFX180-18SP | PROFAX flexible barrel 22" over all length |
|            |   | TFX180-24SP | PROFAX flexible barrel 28" over all length |

FOR SPECIAL APPLICATIONS THESE  
TFX180'S ARE AVAILABLE ON REQUEST.



Note: 15' wire conduit assembly (16' - 0" o.a.l.)

| PROFAX NO. | DESCRIPTION   | I.D. | O.D. |
|------------|---|------|------|
| 42-23-15   | 15' wire conduit assembly — used with .023 diameter wire      | .044 | .125 |
| 42-3035-15 | 15' wire conduit assembly — used with .030-.035 diameter wire | .052 | .156 |
| 42-4045-15 | 15' wire conduit assembly — used with .040-.045 diameter wire | .060 | .156 |

\*Note: For 180 amp guns with CK/HH or H-10 back ends please refer to liner comment on page 40.



| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 42N-3545-15 | 15' teflon conduit assembly — used with .035-.047 aluminum wire | .065 | .138 |



# Platinum Compact 180 Amp MIG Gun

**PROFAX**

The following direct connects are available by placing the letters shown below before the gun package number.  
**Example:** add an "M" to 180-3035-10; eg M180-3035-10 is now a Miller® direct connect gun.

**C-Century®:** Powermate 90,160, & 225. Solar®125 (New –1982), Solar®165 (New-1982) Solar®2-175 (New-1982), Solar®2120 and Portable mig. Snap-On® YA 212,YA219C Portable mig and YA205.



**CK-Systematics®:** MP-140, 175, 230 and 250. Snap-On®(by Systematics) YA212.

\*Note: Uses "CK42" series liner



**E-Estab®(L-Tec/Linde):** Migmaster 130. All wire feeders with the MT200/400 Linde mig gun adapter installed.



**HH-Hobart®:** Handler 120, 130 & 150, Betamig 170 and 1800.

\*Note: Uses 409737-3



**H10-Hobart®:** Handler 130XL, 135 and 175.

\*Note: Uses Miller® style 194010/194011/194012 style liners



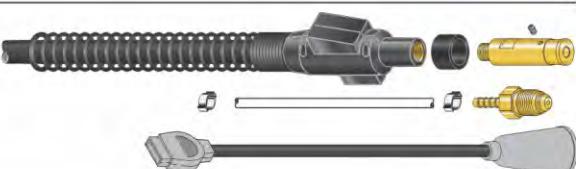
**LH-Lincoln®:** SP85, SP100, SP100T, SP125 Plus, SP130T, SP135 Plus, SP135T, SP140I, SP170T, SP175T, SP175 Plus, Weldpack 100, 100 Plus, 125, 155.



**Hobart®:** Betamig 200, 250 and 251.



**LN-Lincoln®:** SP150, SP200



**LP-Lincoln®:** Powermig 140C and 180C. Also SP-140T and SP-180T



**M-Miller®:** Cricket, Cricket XL, Challenger, Sidekick, Sidekick XL, Millermatic 90,120,130, 135, 140, 141, 150, 175, 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350, 350P, Pulser and Vintage. Millermatic 35 (after Jan.1980 beginning with s/n JA356001). 22, 50, 60, and 70 series feeders. X-Treme® 8VS, 12RC and 12VS



**Hobart®:** Betamig 2510 and Olympic VS.

**X-Euro-Quick:** Equipment

Airco®: AutoPak 130, Dipstick 160 (New), Dipstick 200 (New)Systems I, Universal, Mity 4 and Dip-Pak 250.

Century®(Solar®): Solar 165 (Old)(117-003), Solar 2-125 (Old) and All Star.

Lincoln®: SP250 & SP255. Note: Will not have remote wire speed & voltage control. Esab®: Mig 2E, Mig 4HD, Mig 4AF, Migmaster 250,251, 252 and 300I, and Mobilmaster.

PROFAX: Pro IIx and Pro IVx.

SIP®: Topmig 170, 195, Autoplus 150 dual purpose, Autoplus 171 & 196, Autoplus 180 dual purpose, Autoplus Super 210 dual purpose, Autoplus Super 215, Ideal Super 180,210, 240, 300, 350 & 500.

Schumacher®: Model 90201.

**CA-Compac®:** M125, M170, M150S and M250S.



Direct Connects are also available for these machines



# Platinum Compact 180 Amp MIG Gun

**PROFAK**

## Direct Mount Conversion Kits

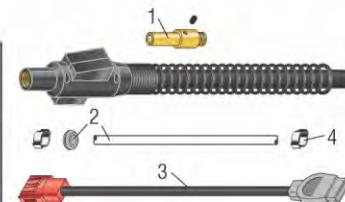
Used for converting an existing gun to a different wire feeder.

TAK-180



| NO. | PROFAX NO. | DESCRIPTION                 |
|-----|------------|-----------------------------|
| 1.  | R174-T     | Connector - standard PROFAX |
| 2.  | AK-354     | Control cord                |

CAK-180



| NO. | PROFAX NO. | DESCRIPTION            |
|-----|------------|------------------------|
| 1.  | R174-C     | Connector for Century® |
| 2.  | MSAK-353   | Gas hose w/grommet     |
| 3.  | 180CCP     | Control plug           |
| 4.  | AK-353-2A  | Gas hose clamp (2)     |

Note: will only work on guns with R174-UAG installed

MAK-180



| NO. | PROFAX NO. | DESCRIPTION                   |
|-----|------------|-------------------------------|
| 1.  | R174M-N    | Nipple for Miller® connection |
| 2.  | R174-M     | Connector for Miller®         |
| 3.  | R174M-R    | Insulator                     |
| 4.  | MSAK-354   | Control cord                  |

LAK-180



| NO. | PROFAX NO. | DESCRIPTION            |
|-----|------------|------------------------|
| 1.  | R174-LC    | Connector for Lincoln® |
| 2.  | 35-170-5   | Gas nipple             |
| 3.  | R174M-R    | Insulator              |
| 4.  | MSAK-353   | Gas hose w/grommet     |
| 5.  | LAK-354    | Control cord           |
| 6.  | AK-353-2A  | Gas hose clamp (2)     |
| 7.  | 1245       | Gland                  |
| 8.  | 1255       | Nut                    |

PlatinumCompact  
180 Amp MIG Gun

Conversion kits to convert 180 amp MIG gun to direct mount. Includes connector plug, electrical cord w/plug, and gas hose.

|          |   |
|----------|---|
| CAK-180  | Century®: Powermate 90,160, & 225. Solar125 (New 1982), Solar165 (New-1982) Solar® 2-175 (New-1982), Solar® 2120 & Portable mig. Snap-On® YA 212,YA219C Portable mig and YA205. Systematics®: MP-140, 175, 230 and 250. Snap-On® (by Systematics®) YA212. |
| CKAK-180 |   |
| EAK-180  | Esab®(L-Tec/Linde): Migmaster 130. All wire feeders with the MT200/400 Linde mig gun adapter installed.   |
| HAK-180  | Hobart®: Betamig 200, 250 and 251.  |
| HHAK-180 | Hobart®: Handler 120, 130 & 150, Betamig 170 and 1800. 10' Guns only,   |
| LAK-180  | Lincoln®: SP150, SP200, LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also LN 10,DH10, & STT10 with K1500-1 installed.  |

LHAK-180

Lincoln®: SP85, SP100, SP100T, SP125 Plus, SP130T, SP135 Plus SP135T, SP140I, SP170T, SP175T, SP175 Plus, Weldpack 100, 100 Plus, 125, 155, Wirematic 250 and 255.

PROFAK: Pro II, Pro IV.

Miller®: Cricket, Cricket XL, Challenger, Sidekick, Sidekick XL, Millermatic 90,120,130, 135, 140, 141, 150, 175, 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350, 350P, Pulser and Vintage. Millermatic 35 (after Jan.1980 beginning w/ s/n JA356001). 22, 50, 60, and 70 series feeders. X-Treme® 8VS, 12RC and 12VS

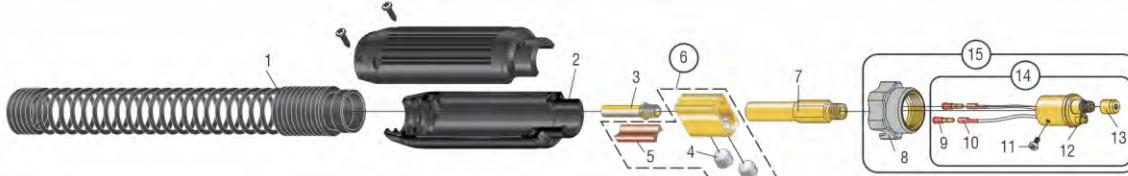
Hobart®: Betamig 2510 and Olympic VS.

Hobart® series 2000,2200,2210,2400,2410, Heavy Duty, Model 17, Hefty, Mijit 17, Portafeed 17, Portawire 17, Portafeed 1000, Ultrafeed 1000, Thermal Arc® TA-3, TAF-2, TAF-4 & Viking 250.

MAK-180

TAK-180

## Euro-Quick End for the Platinum Compact 180 amp MIG Gun



| NO. | PROFAX NO. | DESCRIPTION                 |
|-----|------------|-----------------------------|
| 1.  | R185-S     | Spring                      |
| 2.  | 2545-3     | Cable support               |
| 3.  | 62N        | Nipple                      |
| 4.  | A-532-24   | 9/16"-18 ball point screw   |
| 5.  | 114        | Separator                   |
| 6.  | 104        | Cable connector block assy. |

| NO. | PROFAX NO. | DESCRIPTION             |
|-----|------------|-------------------------|
| 7.  | 140-UA     | Euro connector          |
| 8.  | 2545-4     | Machine nut             |
| 9.  | 2545-6     | Trigger connection male |
| 10. | 35-350-1   | Butt connector          |
| 11. | 2-MS       | Metric screw            |
| 12. | 35-40-1    | O-ring                  |

| NO. | PROFAX NO. | DESCRIPTION                              |
|-----|------------|--|
| 13. | 174EX-1C   | Conduit nut                              |
| 14. | 2545       | Euro-Quick connector assy.               |
| 15. | 2545-C     | Euro-Quick connector assy. w/machine nut |

## Regulator/Flowmeter



### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design



| PROFAX NO. | DESCRIPTION      |
|------------|------------------|
| WFG        | Weld Fillet Gage |

## Weld Fillet Gage



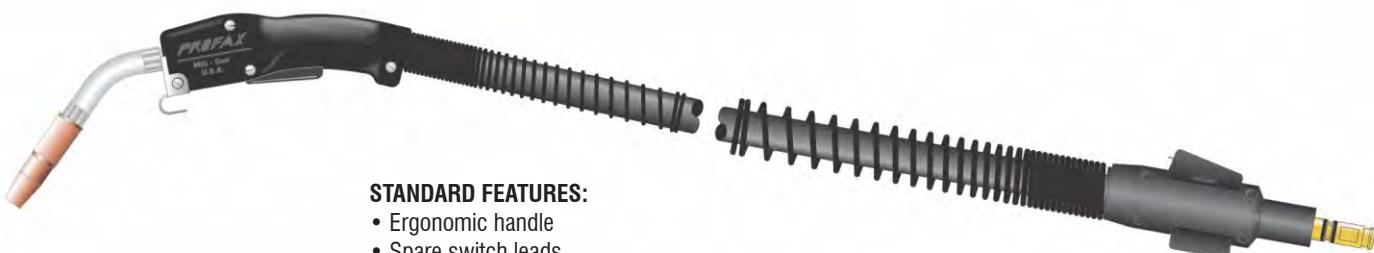
• Carrying Pouch Included

| PROFAX NO. | GAS SERVICE                         | CGA INLET |
|------------|-------------------------------------|-----------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       |
| RF1430-320 | CO <sub>2</sub>                     | 320       |



# Platinum Compact 250 Amp MIG Gun **PROFAX**

Platinum Compact  
250 Amp MIG Gun



## STANDARD FEATURES:

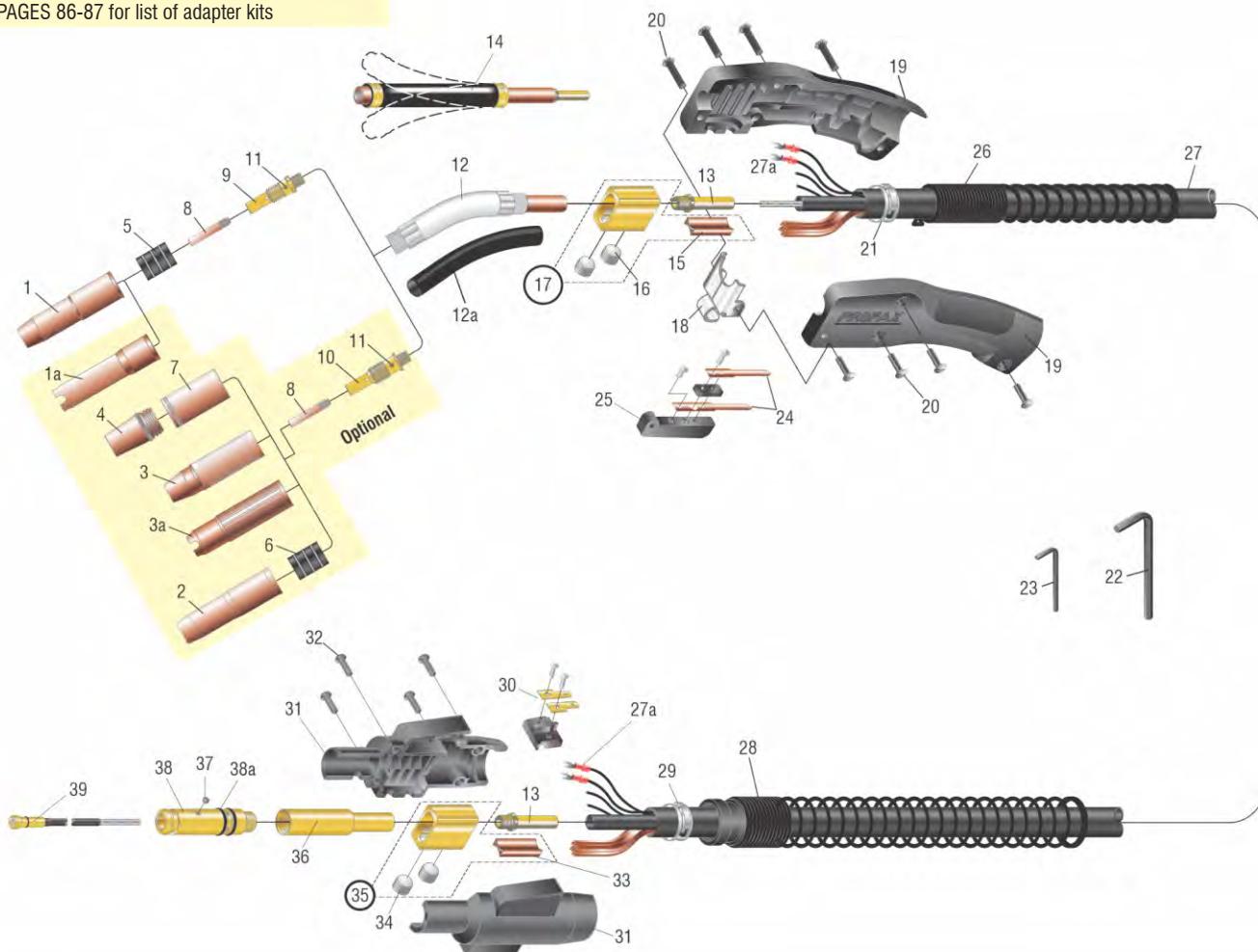
- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAX NO.  | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 250-3035-10 | 10'    | .030-.035 | 250-3035-12 | 12'    | .030-.035 | 250-3035-15 | 15'    | .030-.035 | 250-3035-20 | 20'    | .030-.035 |
| 250-4045-10 | 10'    | .040-.045 | 250-4045-12 | 12'    | .040-.045 | 250-4045-15 | 15'    | .040-.045 | 250-4045-20 | 20'    | .040-.045 |
| 250-052-10  | 10'    | .052      | 250-052-12  | 12'    | .052      | 250-052-15  | 15'    | .052      | 250-3035-25 | 25'    | .030-.035 |
|             |        |           |             |        |           |             |        |           | 250-4045-25 | 25'    | .040-.045 |

## TO ORDER DIRECT CONNECT MIG GUNS

- Standard** - All wire feeders that accept the "PROFAX" rear adapter. e.g. 250-3035-10
- Lincoln® Direct** - Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. **LN**250-3035-10  
Add an **LP** for the Lincoln Power mig 255. e.g. **LP**250-3035-10
- Miller® Direct** - Add an **M**. e.g. **M**250-3035-10
- Euro-Quick** - Add an **X**. e.g. **X**250-3035-10

SEE PAGES 54-55 for more details on direct connects  
SEE PAGES 86-87 for list of adapter kits



## PROFAX NO. DESCRIPTION

51-3/8-24

Special Gas Diffuser Adapts 21 series nozzles and  
11 series tips to 250 gun





# Platinum Compact 250 Amp MIG Gun Parts List

**PROFAX**

250 Amp MIG Gun  
Parts List

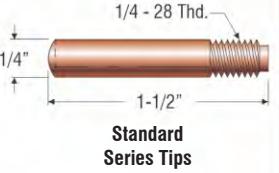
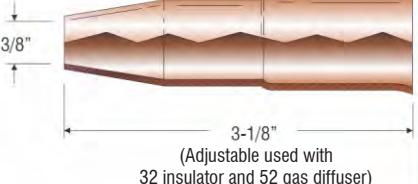
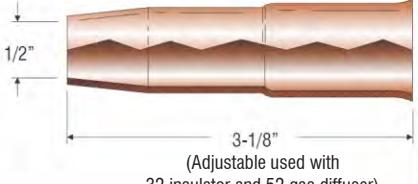
| NO. | PROFAX NO. | DESCRIPTION  | NO.  | PROFAX NO.  | DESCRIPTION   |
|-----|------------|--|------|-------------|---|
| 1.  | 22-37      | Nozzle 3/8", adj., use w/32 & 52                     | 11.  | 44C         | Set screws for gas diffuser/conduit                           |
|     | 22-50      | Nozzle 1/2", adj., use w/32 & 52 ( <b>standard</b> ) | 12.  | 62A45J      | Jacketed conductor tube 45° ( <b>standard</b> )               |
|     | 22-62      | Nozzle 5/8", adj., use w/32 & 52                     |      | 62A45-9J    | Jacketed conductor tube 45° - 9 inch                          |
|     | 22-37SS    | Nozzle 3/8", short stop, use w/32 & 52               |      | 62A60J      | Jacketed conductor tube 60°                                   |
|     | 22-50SS    | Nozzle 1/2", short stop, use w/32 & 52               |      | 62A80J      | Jacketed conductor tube 80°                                   |
|     | 22-62SS    | Nozzle 5/8", short stop, use w/32 & 52               |      | 62A180J     | Jacketed conductor tube 180°                                  |
|     | 22T37SS    | Nozzle 3/8", short stop, tapered, use w/32 & 52      |      | 62A45       | Conductor tube 45°  |
| 1a. | 22-62FAS   | Spot welding nozzle 5/8"                             |      | 62A60       | Conductor tube 60°  |
| 2.  | 24A50      | Nozzle 1/2", adj., use w/34A                         |      | 62A80       | Conductor tube 80°  |
|     | 24A62      | Nozzle 5/8", adj., use w/34A                         |      | 62A180      | Conductor tube 180°   |
|     | 24A75      | Nozzle 3/4", adj., use w/34A                         | 12a. | 72A         | Replacement neoprene insulator                                |
|     | 24A50SS    | Nozzle 1/2", short stop, adjustable, use w/34A       | 13.  | 62N         | Nipple  |
|     | 24A62SS    | Nozzle 5/8", short stop, adjustable, use w/34A       | 14.  | TFX-2       | Flexible barrel, extreme heat                                 |
|     | 24AT37SS   | Nozzle 3/8", short stop, tapered, adj., use w/34A    | 15.  | 112         | Separator   |
|     | 24A75SS    | Nozzle 3/4", short stop, adjustable, use w/34A       | 16.  | 1-MBP-10    | 1/2-20 ball point screws                                      |
|     | 24AH50     | Nozzle 1/2", HD, adjustable, use w/34A               | 17.  | 102         | Cable connector block assembly                                |
|     | 24AH62     | Nozzle 5/8", HD, adjustable, use w/34A               | 18.  | 154HD       | Hanger  |
|     | 24AH75     | Nozzle 3/4", HD, adjustable, use w/34A               | 19.  | 82C         | Handle w/binder screws  |
| 3.  | 23-37      | Nozzle 3/8", self insulated                          | 20.  | 122FM-SET   | Binders (4 ea.) and screws (4 ea.) for handle                 |
|     | 23-50      | Nozzle 1/2", self insulated                          | 21.  | 132-12      | Clamp - handle  |
|     | 23-62      | Nozzle 5/8", self insulated                          | 22.  | AL-300-25   | 7/32" hex wrench  |
|     | 23-75      | Nozzle 3/4", self insulated                          | 23.  | 44-25       | 5/64" hex wrench  |
|     | 23-37F     | Nozzle 3/8", self insulated, flush                   | 24.  | 92C         | Switch contacts 2 ea. w/screws                                |
|     | 23-50F     | Nozzle 1/2", self insulated, flush                   | 25.  | 92          | Trigger switch assembly                                       |
|     | 23-62F     | Nozzle 5/8", self insulated, flush                   |      | 92L         | Locking trigger (not shown)                                   |
|     | 23-75F     | Nozzle 3/4", self insulated, flush                   | 26.  | 142-6S      | Spring strain relief for handle                               |
|     | 23H50      | Nozzle 1/2", HD, self insulated                      | 27.  | 250-10      | 10' replacement cable assembly                                |
|     | 23H62      | Nozzle 5/8", HD, self insulated                      |      | 250-12      | 12' replacement cable assembly                                |
|     | 23T37      | Nozzle 3/8", self insulated, tapered                 |      | 250-15      | 15' replacement cable assembly                                |
| 3a. | 23-62FAS   | Spot welding nozzle 5/8"                             |      | 250-20      | 20' replacement cable assembly                                |
| 4.  | 24CT50F    | Nozzle 1/2", use w/34CT, flush                       |      | 250-25      | 25' replacement cable assembly                                |
|     | 24CT62F    | Nozzle 5/8", use w/34CT, flush                       |      | 250K        | Cable, bulk (per foot)  |
|     | 24CT75F    | Nozzle 3/4", use w/34CT, flush                       |      | 250CK       | Cloth wrapped cable, bulk (per foot) for guns longer than 15' |
|     | 24CT37S    | Nozzle 3/8", use w/34CT, recessed                    | 27a. | 244         | Terminal  |
|     | 24CT50S    | Nozzle 1/2", use w/34CT, recessed                    | 28.  | R185-S      | Spring  |
|     | 24CT62S    | Nozzle 5/8", use w/34CT, recessed                    | 29.  | 132-12      | Clamp - connector block                                       |
|     | 24CT75S    | Nozzle 3/4", use w/34CT, recessed                    | 30.  | 194         | Connector tab assembly  |
| 5.  | 32         | Insulator  | 31.  | R185-H      | Housing   |
| 6.  | 34A        | Insulator  | 32.  | R185-SC     | Screws for housing (4)  |
| 7.  | 34CT       | Insulator w/coarse thread nozzles                    | 33.  | 114         | Separator   |
| 8.  | 14-23      | Contact tip .023                                     | 34.  | A-532-24    | 9/16-18 ball point screw                                      |
|     | 14-30      | Contact tip .030                                     | 35.  | 104         | Cable connector block assembly                                |
|     | 14-35      | Contact tip .035                                     | 36.  | R172-UA     | Standard connector plug w/62N                                 |
|     | 14-40      | Contact tip .040                                     |      | R172-UAG    | Connector plug w/gas hole w/62N                               |
|     | 14-45      | Contact tip .045                                     | 37.  | 44C         | Set screw for conduit 8-32                                    |
|     | 14-52      | Contact tip .052                                     | 38.  | R174-C      | Connector, Century®   |
|     | 14A364     | Contact tip 3/64" (for aluminum)                     |      | R174-E      | Connector, Esab®  |
|     | 14H30      | Contact tip .030, HD                                 |      | R174-H      | Connector, Hobart®  |
|     | 14H35      | Contact tip .035, HD                                 |      | R174-L      | Connector, Lincoln®   |
|     | 14H40      | Contact tip .040, HD                                 |      | R174-M      | Connector, Miller®  |
|     | 14H45      | Contact tip .045, HD                                 |      | R174-T      | Connector, standard   |
|     | 14H52      | Contact tip .052, HD                                 | 38a. | 224         | O-ring  |
|     | 14AH364    | Contact tip 3/64", HD(for aluminum)                  | 39.  | 42-23-15    | 15' wire conduit assembly .023                                |
|     | 14T23      | Tapered contact tip .023                             |      | 42-3035-15  | 15' wire conduit assembly .030-.035                           |
|     | 14T30      | Tapered contact tip .030                             |      | 42-4045-15  | 15' wire conduit assembly .040-.045                           |
|     | 14T35      | Tapered contact tip .035                             |      | 42-116-15   | 15' wire conduit assembly .052 - 1/16"                        |
|     | 14T40      | Tapered contact tip .040                             |      | 42-3035-25  | 25' wire conduit assembly .030-.035                           |
|     | 14T45      | Tapered contact tip .045                             |      | 42-4045-25  | 25' wire conduit assembly .040-.045                           |
|     | 14T52      | Tapered contact tip .052                             |      | 42-116-25   | 25' wire conduit assembly .052 - 1/16"                        |
| 9.  | 52         | Gas diffuser use w/.030-.052 wire                    |      | 42N-3545-15 | 15' teflon conduit assmbly(aluminum).035-.047                 |
|     | 52-23      | Gas diffuser use w/.023 wire                         |      |             |   |
| 10. | 52FN       | Gas diffuser   |      |             |   |



# Platinum Compact 250 Amp MIG Gun

**PROFAX**

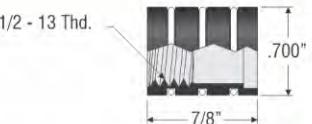
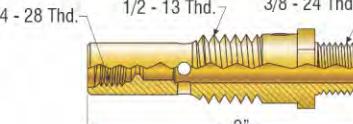
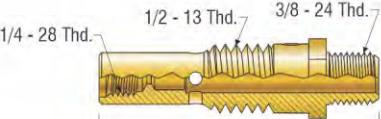
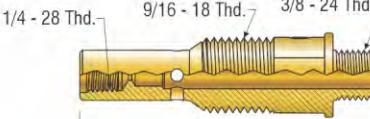
## Platinum Compact 250 Amp MIG Gun

| PROFAX NO. | DESCRIPTION       | TIP I.D. | PROFAX NO.                     | DESCRIPTION   |
|------------|-------------------|----------|--------------------------------|---|
| 14-23      | Contact tip .023  | .031     | 22-62                          | Nozzle 5/8"   |
| 14-30      | Contact tip .030  | .038     |                                |   |
| 14-35      | Contact tip .035  | .044     |                                |   |
| 14-40      | Contact tip .040  | .047     |                                |   |
| 14-45      | Contact tip .045  | .054     |                                |   |
| 14-52      | Contact tip .052  | .064     |                                |   |
| 14A364     | Contact tip 3/64" | .059     |                                |   |
|            |                   |          | Standard Series Tips           |    |
| 14T23      | Contact tip .023  | .031     | 22-62FAS                       | Spot Nozzle 5/8"  |
| 14T30      | Contact tip .030  | .038     |                                |   |
| 14T35      | Contact tip .035  | .044     |                                |   |
| 14T40      | Contact tip .040  | .047     |                                |   |
| 14T45      | Contact tip .045  | .054     |                                |   |
| 14T52      | Contact tip .052  | .064     |                                |   |
|            |                   |          | Tapered Series Tips            |    |
| 14H30      | Contact tip .030  | .038     | 22-37SS                        | Nozzle 3/8"   |
| 14H35      | Contact tip .035  | .044     |                                |   |
| 14H40      | Contact tip .040  | .049     |                                |   |
| 14H45      | Contact tip .045  | .054     |                                |   |
| 14H52      | Contact tip .052  | .064     |                                |   |
| 14AH364    | Contact tip 3/64" | .059     |                                |   |
|            |                   |          | Heavy Duty Series Tips         |   |
| 14HT35     | Contact tip .035  | .044     | 22-50SS                        | Nozzle 1/2"   |
| 14HT40     | Contact tip .040  | .049     |                                |   |
| 14HT45     | Contact tip .045  | .054     |                                |   |
| 14HT52     | Contact tip .052  | .064     |                                |   |
|            |                   |          | Heavy Duty Tapered Series Tips |  |
| 22-37      | Nozzle 3/8"       |          | 22-62SS                        | Nozzle 5/8"   |
|            |                   |          |                                |  |
| 22-50      | Nozzle 1/2"       |          | 22T37SS                        | Tapered nozzle 3/8"   |
|            |                   |          |                                |  |



# Platinum Compact 250 Amp MIG Gun

**PROFAX**

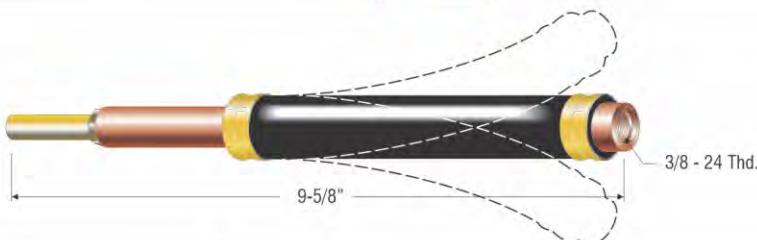
| PROFAX NO. | DESCRIPTION   | PROFAX NO. | DESCRIPTION  |
|------------|---|------------|--|
| 32         | Insulator<br><br><br>(Used with adjustable nozzles)  | 52-23      | Gas diffuser<br><br><br>(Used with 32 insulator .023 diameter wire)                          |
| 52         | Gas diffuser<br><br><br>(Used with 32 insulator .030 thru .052 diameter wire) | 52FN       | Gas diffuser<br><br><br>(Use with 23 series nozzles or with 34A and 24 series nozzles) |

**Platinum Compact  
250 Amp MIG Gun**

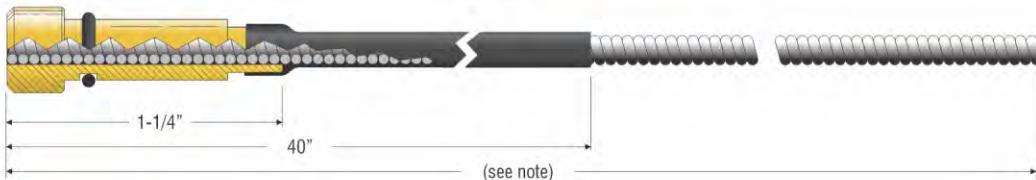
| PROFAX NO. | DESCRIPTION         |
|------------|---------------------|
| 62A45      | Conductor tube 45°  |
| 62A60      | Conductor tube 60°  |
| 62A80      | Conductor tube 80°  |
| 62A180     | Conductor tube 180° |
| 62N        | Nipple - included   |

| PROFAX NO. | DESCRIPTION                  |
|------------|------------------------------|
| 62A45J     | Jacketed conductor tube 45°  |
| 62A60J     | Jacketed conductor tube 60°  |
| 62A80J     | Jacketed conductor tube 80°  |
| 62A180J    | Jacketed conductor tube 180° |
| 62N        | Nipple - included            |

Also available in  
9", 12", 18", and 24"



| PROFAX NO. | DESCRIPTION                             | PROFAX NO. | DESCRIPTION                                | FOR SPECIAL APPLICATIONS THESE TFX2'S ARE AVAILABLE ON REQUEST. |
|------------|---|------------|--|---|
| TFX-2      | PROFAX flexible barrel for extreme heat | TFX2-12SP  | PROFAX flexible barrel 16" over all length |   |
|            |   | TFX2-18SP  | PROFAX flexible barrel 22" over all length |   |
|            |   | TFX2-24SP  | PROFAX flexible barrel 28" over all length |   |



Note: 15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)

| PROFAX NO. | DESCRIPTION  | I.D. | O.D. |
|------------|--|------|------|
| 42-23-15   | 15' wire conduit assembly — used with .023 diameter wire       | .044 | .125 |
| 42-3035-15 | 15' wire conduit assembly — used with .030-.035 diameter wire  | .052 | .156 |
| 42-4045-15 | 15' wire conduit assembly — used with .040-.045 diameter wire  | .060 | .156 |
| 42-116-15  | 15' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .156 |
| 42-3035-25 | 25' wire conduit assembly — used with .030-.035 diameter wire  | .052 | .156 |
| 42-4045-25 | 25' wire conduit assembly — used with .040-.045 diameter wire  | .060 | .156 |
| 42-116-25  | 25' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .156 |



| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 42N-3545-15 | 15' teflon conduit assembly — used with .035-.047 aluminum wire | .065 | .138 |



# Platinum "Choice" FC250 Amp MIG Gun **PROFAX**

Platinum "Choice"  
FC250 MIG Gun



## STANDARD FEATURES:

- Slim ergonomic handle
- Large integral cooling slots
- Gooseneck can rotate a full 360 degree
- Set screw for liner is located on side of handle for protection from spatter

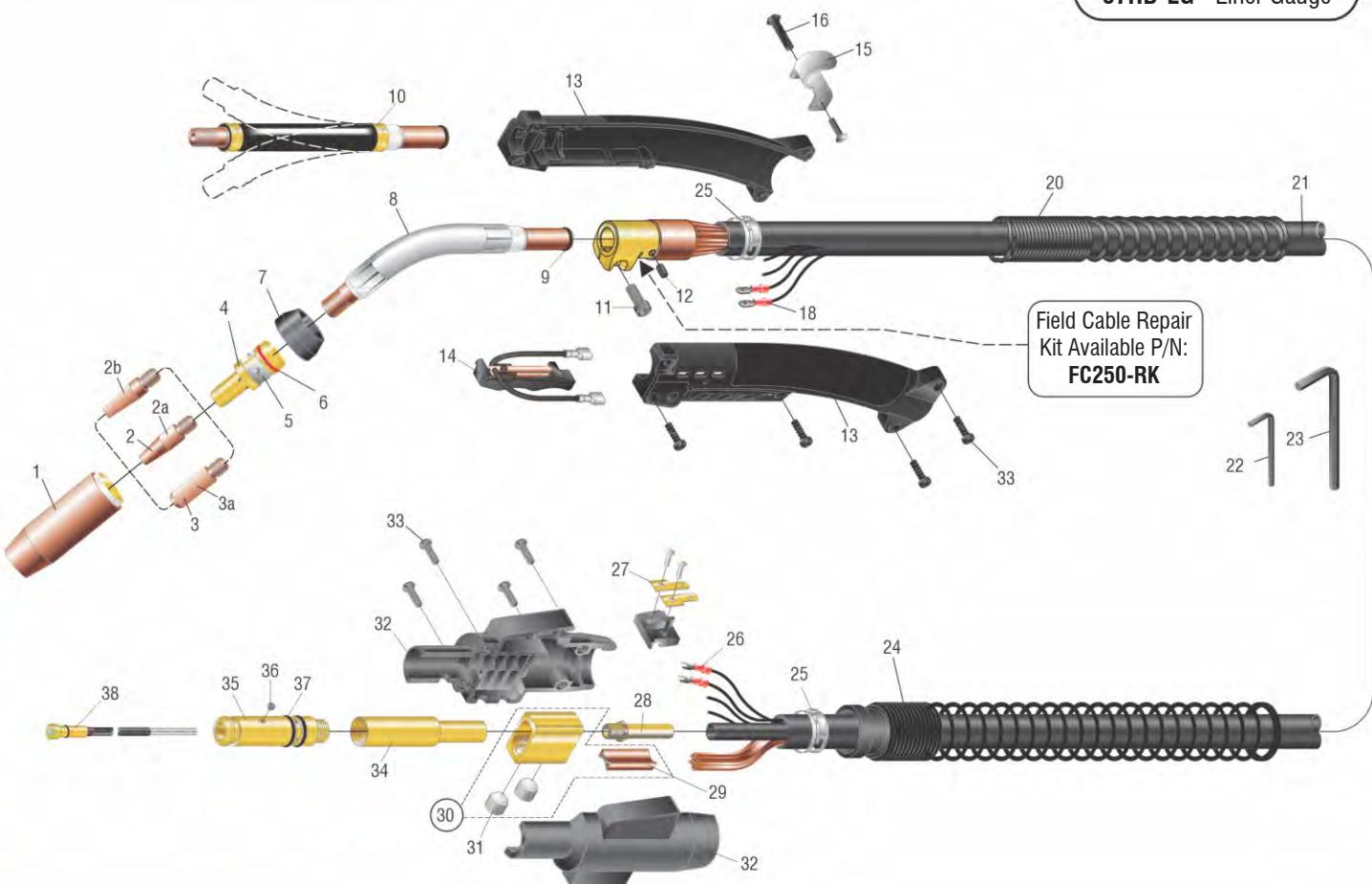
- Heavy duty contact tips for longer life
- Heavy duty copper gas diffuser
- Heavy duty slip-on nozzle
- Available up to .052 wire size

| PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|
| FC250-3035-10 | 10'    | .030-.035 | FC250-3035-12 | 12'    | .030-.035 | FC250-3035-15 | 15'    | .030-.035 | FC250-3035-20 | 20'    | .030-.035 |
| FC250-4045-10 | 10'    | .040-.045 | FC250-4045-12 | 12'    | .040-.045 | FC250-4045-15 | 15'    | .040-.045 | FC250-4045-20 | 20'    | .040-.045 |
| FC250-052-10  | 10'    | .052      | FC250-052-12  | 12'    | .052      | FC250-052-15  | 15'    | .052      | FC250-3035-25 | 25'    | .030-.035 |
|               |        |           |               |        |           |               |        |           | FC250-4045-25 | 25'    | .040-.045 |

## TO ORDER DIRECT CONNECT MIG GUNS

- Standard** - All wire feeders that accept the "PROFAX" rear adapter. e.g. FC250-3035-10
- Lincoln® Direct** - Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. FCLN250-3035-10  
Add an **LP** for the Lincoln Power mig 255. e.g. FCLP250-3035-10
- Miller® Direct** - Add an **M**. e.g. FCM250-3035-10
- Euro-Quick** - Add an **X**. e.g. FCX250-3035-10

SEE PAGES 54-55 for more details on direct connects  
SEE PAGES 86-87 for list of adapter kits





# Platinum "Choice" FC250 Amp MIG Gun Parts List

**PROFAX**

FC250 Amp MIG  
Gun Parts List

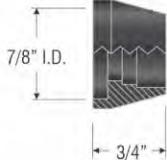
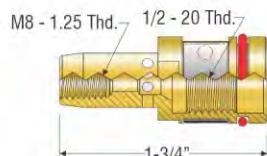
| NO. | PROFAX NO. | DESCRIPTION  | NO.  | PROFAX NO. | DESCRIPTION                   |  |
|-----|------------|--|------|------------|-------------------------------|--|
| 1.  | 27S50      | H.D. nozzle 1/2" (copper)                                    | 9.   | S70011     | O-ring                        |  |
|     | 27S62      | H.D. nozzle 5/8" (copper)                                    | 10.  | TFX-62FC   | Flexible barrel, extreme heat |  |
|     | 27S75      | H.D. nozzle 3/4" (copper)                                    | 11.  | 46C        | Socket head cap screw         |  |
|     | 27S50GL    | H.D. nozzle 1/2" (copper) ( <b>Use 17SLT series tip</b> )    | 12.  | 45C        | Set screw 8-32 x 1/4"         |  |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                                    | 13.  | 87         | Handle w/screws               |  |
|     | 27S75GL    | H.D. nozzle 3/4" (copper)                                    | 14.  | 97T        | Trigger                       |  |
|     | 27T38      | Tapered nozzle 3/8" (brass) ( <b>Use 17SLT series tip</b> )  | 15.  | 154FC      | Hanger bracket                |  |
|     | 27TC38     | Tapered nozzle 3/8" (copper) ( <b>Use 17SLT series tip</b> ) | 16.  | 122FM-SET  | Post and screw                |  |
|     | 27TC38GL   | Tapered nozzle 3/8" (copper) ( <b>Use 17SLT series tip</b> ) | 18.  | 40MQ       | Male quick connect            |  |
|     | 27T50      | Nozzle 1/2" bottle (copper)                                  | 20.  | 87-S       | Support spring                |  |
|     | 27K50      | M.D. nozzle 1/2" (copper)                                    | 21.  | FC-210     | 10' cable assembly            |  |
|     | 27K62      | M.D. nozzle 5/8" (copper) ( <b>standard</b> )                |      | FC-212     | 12' cable assembly            |  |
|     | 27K50GL    | M.D. nozzle 1/2" (copper)                                    |      | FC-215     | 15' cable assembly            |  |
|     | 27K62GL    | M.D. nozzle 5/8" (copper)                                    |      | FC-220     | 20' cable assembly            |  |
| 2.  | 17ST-30    | Contact tip .030   | .040 |            | 25' cable assembly            |  |
|     | 17ST-35    | Contact tip .035   | .044 | 22.        | 44-25                         | 5/64" hex wrench                                 |
|     | 17ST-40    | Contact tip .040   | .049 | 23.        | AL187                         | 3/16" hex wrench                                 |
|     | 17ST-45    | Contact tip .045   | .054 | 24.        | R185-S                        | Spring   |
|     | 17ST-52    | Contact tip .052   | .064 | 25.        | 132-12                        | Clamp (2 required)                               |
| 2a. | 16ST-30    | Contact tip .030   | .040 | 26.        | 244                           | Terminal   |
|     | 16ST-35    | Contact tip .035   | .044 | 27.        | 194                           | Connector tab assembly                           |
|     | 16ST-40    | Contact tip .040   | .049 | 28.        | 62N                           | Nipple   |
|     | 16ST-45    | Contact tip .045   | .054 | 29.        | 114                           | Separator  |
|     | 16ST-52    | Contact tip .052   | .064 | 30.        | 104                           | Cable connector block assembly                   |
| 2b. | 17SLT-35   | Contact tip .035   | .044 | 31.        | A-532-24                      | 9/16" ball point screws                          |
|     | 17SLT-40   | Contact tip .040   | .049 | 32.        | R185-H                        | Housing w/screws                                 |
|     | 17SLT-45   | Contact tip .045   | .054 | 33.        | R185-SC                       | Screws for housing (4)                           |
|     | 17SLT-52   | Contact tip .052   | .064 | 34.        | R172-UA                       | Standard connector plug w/62N                    |
| 3.  | 17S-30     | Contact tip .030   | .040 |            | R172-UAG                      | Connector plug w/gas hole w/62N                  |
|     | 17S-35     | Contact tip .035   | .044 | 35.        | R174-C                        | Connector, Century®                              |
|     | 17S-40     | Contact tip .040   | .049 |            | R174-E                        | Connector, Esab®(L-Tec®)                         |
|     | 17S-45     | Contact tip .045   | .054 |            | R174-H                        | Connector, Hobart®                               |
|     | 17AS-364   | Contact tip 3/64" aluminum                                   | .060 |            | R174-L                        | Connector, Lincoln®                              |
|     | 17S-52     | Contact tip .052   | .064 |            | R174-M                        | Connector, Miller®                               |
| 3a. | 16S-30     | Contact tip .030   | .040 |            | R174-T                        | Connector, ( <b>standard</b> )                   |
|     | 16S-35     | Contact tip .035   | .044 | 36.        | 44C                           | Set screw 8-32 x 1/4"                            |
|     | 16S-40     | Contact tip .040   | .049 | 37.        | 224                           | O-ring   |
|     | 16S-45     | Contact tip .045   | .054 | 38.        | 42-23-15                      | 15' wire conduit assembly .023                   |
|     | 16S-52     | Contact tip .052   | .064 |            | 42-3035-15                    | 15' wire conduit assembly .030-.035              |
| 4.  | FC55       | Gas diffuser   |      |            | 42-4045-15                    | 15' wire conduit assembly .040-.045              |
| 5.  | 240        | Retaining ring   |      |            | 42-116-15                     | 15' wire conduit assembly .052 - 1/16"           |
| 6.  | 260        | O-ring   |      |            | 42-3035-25                    | 25' wire conduit assembly .030-.035              |
| 7.  | 66SW       | H.D. shock washer  |      |            | 42-4045-25                    | 25' wire conduit assembly .040-.045              |
| 8.  | 62FC30HD   | Gooseneck 30°  |      |            | 42-116-25                     | 25' wire conduit assembly .052 - 1/16"           |
|     | 62FC45HD   | Gooseneck 45° ( <b>standard</b> )                            |      |            | 42N-3545-15                   | 15' teflon conduit assembly (aluminum) .035-.047 |
|     | 62FC60HD   | Gooseneck 60°  |      | 39.        | 57HD-LG                       | Gauge for setting liner                          |
|     | 62FC180HD  | Gooseneck 180°   |      |            |                               |  |



\*Prevents seizing  
when used on  
contact tip, nozzle &  
gas diffuser threads.

| PROFAX NO. | DESCRIPTION                               |
|------------|---|
| JL-4       | Copper coat anti-seize lubricant - 4 oz.  |
| JL-8       | Copper coat anti-seize lubricant - 8 oz.  |
| JL-16      | Copper coat anti-seize lubricant - 16 oz. |

| PROFAX NO. | DESCRIPTION       |
|------------|-------------------|
| FC55       | Diffuser          |
| 66SW       | H.D. shock washer |





# Platinum "Choice" FC250 Amp MIG Gun

**PROFAX**

**Platinum "Choice"  
FC250 MIG Gun**

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO. | DESCRIPTION                                      |
|------------|----------------------------|----------|------------|--|
| 17S-30     | Contact tip .030           | .040     |            | Recessed<br>M8 - 1.25 Thd.<br>3/8" I.D.<br>1.350 |
| 17S-35     | Contact tip .035           | .044     |            | *Standard tip shipped with gun.                  |
| 17S-40     | Contact tip .040           | .049     |            |  |
| 17S-45     | Contact tip .045           | .054     |            |  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | 27K62      | M.D. Nozzle 5/8"<br>(standard)                   |
| 17S-52     | Contact tip .052           | .064     |            | 5/8" I.D.<br>2-7/8"                              |
| 17ST-30    | Contact tip .030           | .040     | 27S50      | H.D. Nozzle 1/2"                                 |
| 17ST-35    | Contact tip .035           | .044     |            | 1/2" I.D.<br>2-7/8"                              |
| 17ST-40    | Contact tip .040           | .049     |            | (Use with 17ST series tips)                      |
| 17ST-45    | Contact tip .045           | .054     |            |  |
| 17ST-52    | Contact tip .052           | .064     | 27S62      | H.D. Nozzle 5/8"                                 |
| 17SLT-35   | Contact tip .035           | .044     |            | 5/8" I.D.<br>2-7/8"                              |
| 17SLT-40   | Contact tip .040           | .049     |            |  |
| 17SLT-45   | Contact tip .045           | .054     |            |  |
| 17SLT-52   | Contact tip .052           | .064     |            |  |
| 16S-30     | Contact tip .030           | .040     | 27S75      | H.D. Nozzle 3/4"                                 |
| 16S-35     | Contact tip .035           | .044     |            | 3/4" I.D.<br>2-7/8"                              |
| 16S-40     | Contact tip .040           | .049     |            |  |
| 16S-45     | Contact tip .045           | .054     |            |  |
| 16S-52     | Contact tip .052           | .064     | 27TC38GL   | Tapered Nozzle 3/8"                              |
| 16ST-30    | Contact tip .030           | .040     |            | A-A<br>Cut View<br>3/8" I.D.<br>2-13/16"         |
| 16ST-35    | Contact tip .035           | .044     |            |  |
| 16ST-40    | Contact tip .040           | .049     |            |  |
| 16ST-45    | Contact tip .045           | .054     |            |  |
| 16ST-52    | Contact tip .052           | .064     | 27K50GL    | M.D. Nozzle 1/2"                                 |
| 27T38      | Tapered nozzle 3/8"        |          |            | A-A<br>Cut View<br>1/2" I.D.<br>2-7/8"           |
|            |                            |          |            |  |
| 27TC38     | Tapered nozzle 3/8"        |          | 27K62GL    | M.D. Nozzle 5/8"                                 |
|            |                            |          |            | A-A<br>Cut View<br>5/8" I.D.<br>2-7/8"           |
| 27T50      | Nozzle 1/2"                |          | 27S50GL    | H.D. Nozzle 1/2"                                 |
|            |                            |          |            | A-A<br>Cut View<br>1/2" I.D.<br>2-7/8"           |
| 27K50      | M.D. Nozzle 1/2"           |          | 27S62GL    | H.D. Nozzle 5/8"                                 |
|            |                            |          |            | A-A<br>Cut View<br>5/8" I.D.<br>2-7/8"           |
|            |                            |          | 27S75GL    | H.D. Nozzle 3/4"                                 |
|            |                            |          |            | A-A<br>Cut View<br>3/4" I.D.<br>2-7/8"           |
|            |                            |          |            |  |



# Platinum "Choice" FC250 Amp MIG Gun

**PROFAX**



| PROFAX NO. | DESCRIPTION   |
|------------|---------------|
| 62FC30HD   | Gooseneck 30° |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION   |
|------------|---------------|
| 62FC60HD   | Gooseneck 60° |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION              |
|------------|--------------------------|
| 62FC45HD   | Gooseneck 45° (standard) |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION    |
|------------|----------------|
| 62FC180HD  | Gooseneck 180° |

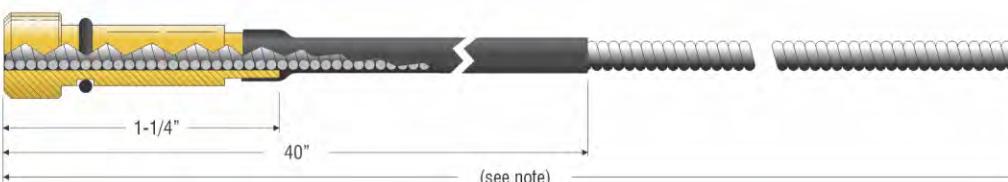
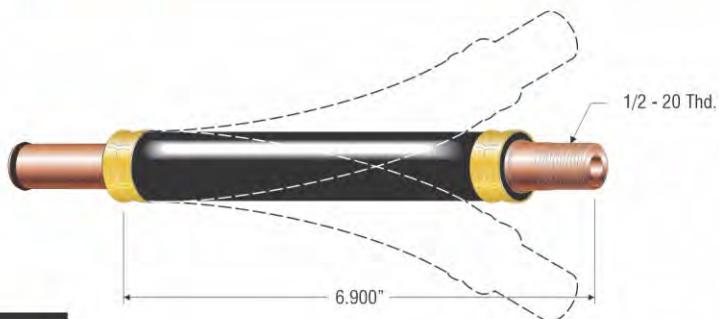
Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| TFX-62FC   | PROFAX flexible barrel 250 amp FC gun |

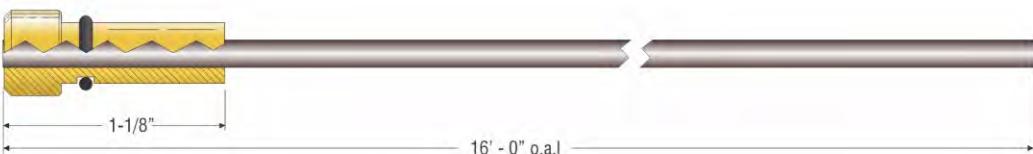
| PROFAX NO.   | DESCRIPTION                                |
|--------------|--|
| TFX62FC-12SP | PROFAX flexible barrel 16" over all length |
| TFX62FC-18SP | PROFAX flexible barrel 22" over all length |
| TFX62FC-24SP | PROFAX flexible barrel 28" over all length |

FOR SPECIAL APPLICATIONS  
THESE TFX-62FC'S ARE  
AVAILABLE ON REQUEST.



Note: 15' wire conduit assembly (16" - 3" o.a.l.)  
25' wire conduit assembly (26" - 6" o.a.l.)

| PROFAX NO. | DESCRIPTION  | I.D. | O.D. |
|------------|--|------|------|
| 42-23-15   | 15' wire conduit assembly — used with .023 diameter wire       | .044 | .125 |
| 42-3035-15 | 15' wire conduit assembly — used with .030-.035 diameter wire  | .052 | .156 |
| 42-4045-15 | 15' wire conduit assembly — used with .040-.045 diameter wire  | .060 | .156 |
| 42-116-15  | 15' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .156 |
| 42-3035-25 | 25' wire conduit assembly — used with .030-.035 diameter wire  | .052 | .156 |
| 42-4045-25 | 25' wire conduit assembly — used with .040-.045 diameter wire  | .060 | .156 |
| 42-116-25  | 25' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .156 |



| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 42N-3545-15 | 15' teflon conduit assembly — used with .035-.047 aluminum wire | .065 | .138 |

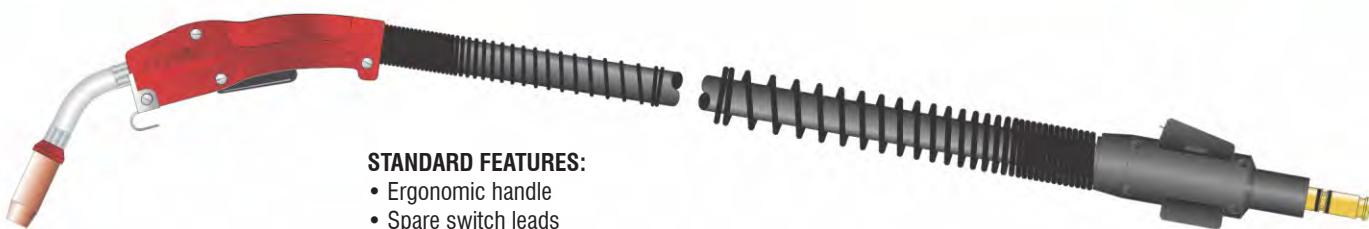
**Platinum "Choice"  
FC250 MIG Gun**



# Platinum 250 Amp Heavy Duty

**PROFAX**

250 Amp H.D.  
MIG Gun



## STANDARD FEATURES:

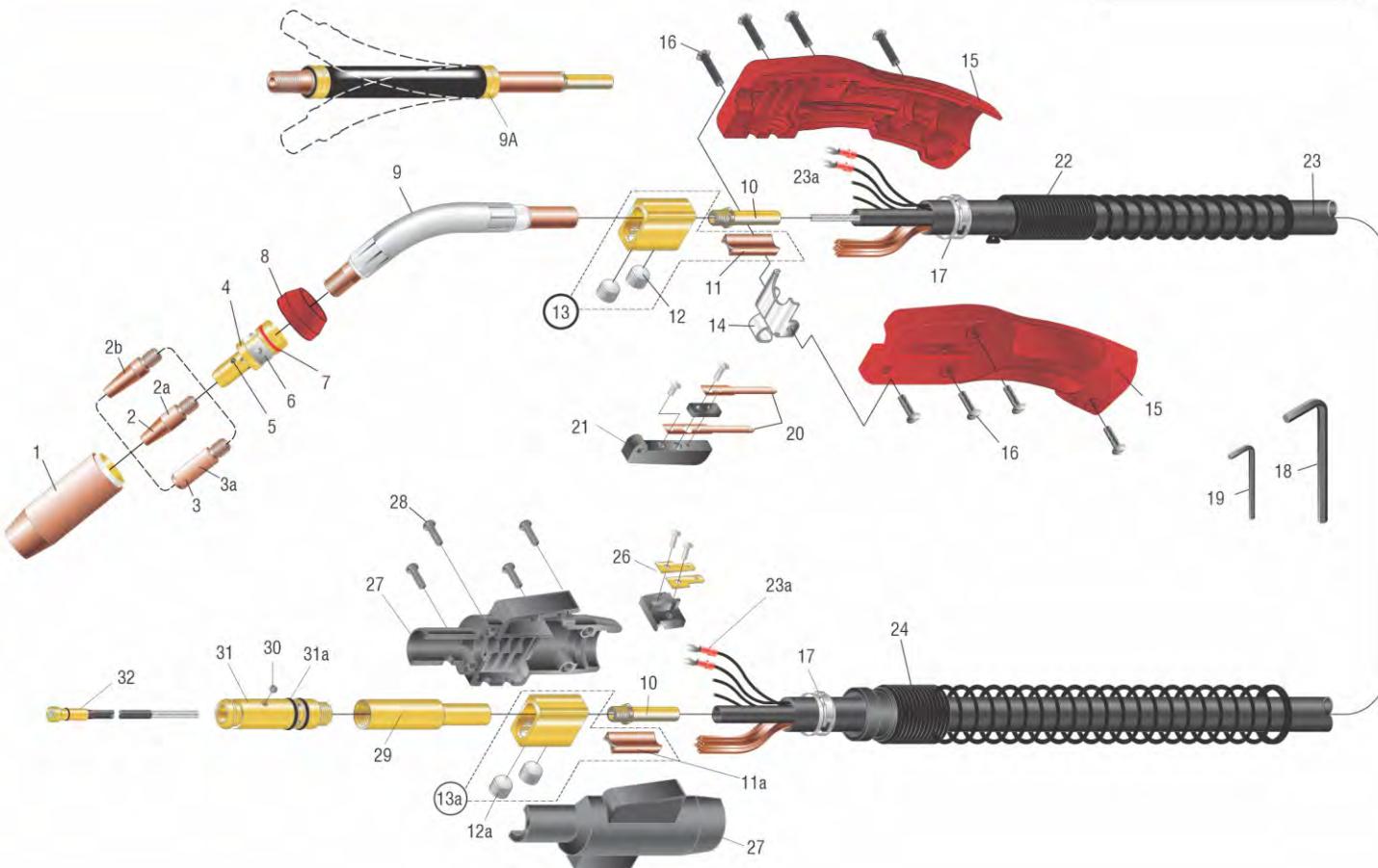
- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH        | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|---------------|---------------|-----------|
| HD250-3035-10 | 10'    | .035      | HD250-3035-12 | 12'    | .035      | HD250-3035-15 | 15'    | .035      | HD250-3035-20 | 20'           | .035      |
| HD250-4045-10 | 10'    | .045      | HD250-4045-12 | 12'    | .045      | HD250-4045-15 | 15'    | .045      | HD250-4045-20 | 20'           | .045      |
| HD250-052-10  | 10'    | .052      | HD250-052-12  | 12'    | .052      | HD250-052-15  | 15'    | .052      | HD250-052-20  | 20'           | .052      |
|               |        |           |               |        |           |               |        |           |               | HD250-3035-25 | .035      |
|               |        |           |               |        |           |               |        |           |               | HD250-4045-25 | .045      |
|               |        |           |               |        |           |               |        |           |               | HD250-052-25  | .052      |

## TO ORDER DIRECT CONNECT MIG GUNS

- Standard - All wire feeders that accept the "PROFAX" rear adapter. e.g. HD250-3035-10  
 Lincoln® Direct - Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. **HDLN**250-3035-10  
 Add an **LP** for the Lincoln Power mig 255. e.g. **HDLP**250-3035-10  
 Miller® Direct - Add an **M**. e.g. **HDM**250-3035-10  
 Euro-Quick - Add an **X**. e.g. **HDX**250-3035-10

SEE PAGES 54-55 for more details on direct connects  
 SEE PAGES 86-87 for list of adapter kits





# Platinum HD250 Amp MIG Gun Parts List

**PROFAK**

250 Amp H.D. Parts  
Contact Tips & Parts List

| NO. | PROFAX NO. | DESCRIPTION   | NO.  | PROFAX NO. | DESCRIPTION                                   |   |
|-----|------------|---|------|------------|---|---|
| 1.  | 27S50      | H.D. nozzle 1/2" (copper)                           | 10.  | 62N        | Nipple  |   |
|     | 27S62      | H.D. nozzle 5/8" (copper)                           | 11.  | 112        | Separator                                     |   |
|     | 27S75      | H.D. nozzle 3/4" (copper)                           | 11a. | 114        | Separator                                     |   |
|     | 27S50GL    | H.D. nozzle 1/2" (copper) (use 17SLT series tip)    | 12.  | 1-MBP-10   | 18 ball point screws                          |   |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                           | 12a. | A-532-24   | 9/16" ball point screws                       |   |
|     | 27S75GL    | H.D. nozzle 3/4" (copper)                           | 13.  | 102        | Cable connector block assembly                |   |
|     | 27T38      | Tapered nozzle 3/8" (brass) (use 17SLT series tip)  | 13a. | 104        | Cable connector block assembly                |   |
|     | 27TC38     | Tapered nozzle 3/8" (copper) (use 17SLT series tip) | 14.  | 154HD      | Hanger  |   |
|     | 27TC38GL   | Tapered nozzle 3/8" (copper) (use 17SLT series tip) | 15.  | 82HD       | Heavy duty handle w/screws                    |   |
|     | 27T50      | Nozzle 1/2" bottle (copper)                         | 16.  | 122FM-SET  | Binders (4 ea.) and screws (4 ea.) for handle |   |
|     | 27K50      | M.D. nozzle 1/2" (copper)                           | 17.  | 132-12     | Clamp (2)                                     |   |
|     | 27K62      | M.D. nozzle 5/8" (copper) (standard)                | 18.  | AL-300-25  | 7/32" hex wrench                              |   |
|     | 27K50GL    | M.D. nozzle 1/2" (copper)                           | 19.  | 44-25      | 5/64" hex wrench                              |   |
|     | 27K62GL    | M.D. nozzle 5/8" (copper)                           | 20.  | 92C        | Switch contacts w/screws                      |   |
| 2.  | 17ST-30    | Contact tip .030                                    | .040 | 21.        | 92  | Trigger switch assembly                                       |
|     | 17ST-35    | Contact tip .035                                    | .044 |            | 92L   | Locking trigger (not shown)                                   |
|     | 17ST-40    | Contact tip .040                                    | .049 | 22.        | 142-6S  | Spring strain relief for handle                               |
|     | 17ST-45    | Contact tip .045                                    | .054 | 23.        | 250-10  | 10' replacement cable assembly                                |
|     | 17ST-52    | Contact tip .052                                    | .064 |            | 250-12  | 12' replacement cable assembly                                |
| 2a. | 16ST-30    | Contact tip .030                                    | .040 |            | 250-15  | 15' replacement cable assembly                                |
|     | 16ST-35    | Contact tip .035                                    | .044 |            | 250-20  | 20' replacement cable assembly                                |
|     | 16ST-40    | Contact tip .040                                    | .049 |            | 250-25  | 25' replacement cable assembly                                |
|     | 16ST-45    | Contact tip .045                                    | .054 |            | 250K  | Cable, bulk (per foot)  |
|     | 16ST-52    | Contact tip .052                                    | .064 |            | 250CK   | Cloth wrapped cable, bulk (per foot) for guns longer than 15' |
| 2b. | 17SLT-35   | Contact tip .035                                    | .044 | 23a.       | 244   | Terminal  |
|     | 17SLT-40   | Contact tip .040                                    | .049 | 24.        | R185-S  | spring  |
|     | 17SLT-45   | Contact tip .045                                    | .054 | 26.        | 194   | Connector tab assembly  |
|     | 17SLT-52   | Contact tip .052                                    | .064 | 27.        | R185-H  | Housing   |
| 3.  | 16S-30     | Contact tip .030                                    | .040 | 28.        | R185-SC                                       | Screws for housing (4)  |
|     | 16S-35     | Contact tip .035                                    | .044 | 29.        | R172-UA                                       | Standard connector plug w/62N                                 |
|     | 16S-40     | Contact tip .040                                    | .049 |            | R172-UAG                                      | Connector plug w/gas hole w/62N                               |
|     | 16S-45     | Contact tip .045                                    | .054 | 30.        | 44C   | Set screw for conduit 8-32                                    |
|     | 16S-52     | Contact tip .052                                    | .064 | 31.        | R174-C  | Connector, Century®   |
| 3a. | 17S-30     | Contact tip .030                                    | .040 |            | R174-E  | Connector, Esab®  |
|     | 17S-35     | Contact tip .035                                    | .044 |            | R174-H  | Connector, Hobart®  |
|     | 17S-40     | Contact tip .040                                    | .049 |            | R174-L  | Connector, Lincoln®   |
|     | 17S-45     | Contact tip .045                                    | .054 |            | R174-M  | Connector, Miller®  |
|     | 17AS-364   | Contact tip 3/64" aluminum                          | .060 |            | R174-T  | Connector, standard   |
|     | 17S-52     | Contact tip .052                                    | .064 | 31a.       | 224   | O-ring  |
| 4.  | 52HD       | Gas diffuser  |      | 32.        | 42-23-15                                      | 15' wire conduit assembly .023                                |
| 5.  | 44C        | Set screw for gas diffuser/conduit                  |      |            | 42-3035-15                                    | 15' wire conduit assembly .030-.035                           |
| 6.  | 240        | Retaining ring                                      |      |            | 42-4045-15                                    | 15' wire conduit assembly .040-.045                           |
| 7.  | 260        | O-ring  |      |            | 42-116-15                                     | 15' wire conduit assembly .052 - 1/16"                        |
| 8.  | 17SW       | H.D. shock washer                                   |      |            | 42-3035-25                                    | 25' wire conduit assembly .030-.035                           |
| 9.  | 63-30HDJ   | Jacketed gooseneck 30°                              |      |            | 42-4045-25                                    | 25' wire conduit assembly .040-.045                           |
|     | 63-45HDJ   | Jacketed gooseneck 45° (standard)                   |      |            | 42-116-25                                     | 25' wire conduit assembly .052 - 1/16"                        |
|     | 63-60HDJ   | Jacketed gooseneck 60°                              |      |            | 42N-3545-15                                   | 15' teflon conduit assembly (aluminum).035-.047               |
| 9a. | TFX-3HD    | H.D. Flexible barrel for extreme heat (optional)    |      | 33.        | 57HD-LG                                       | Gauge for setting liner                                       |

## PROFAX NO. DESCRIPTION

|      |              |  |
|------|--------------|--|
| 52HD | Diffuser     |  |
| 17SW | Shock washer |  |

## CO<sub>2</sub> Heated Regulator/FlowGauge

### SPECIFICATIONS:

- 120V AC/190 watt
- 0 - 125 CFH flow-rate

### High volume CO<sub>2</sub> Regulator FlowGauge with built in heater.

- Prevents regulator freeze-up
- Extends regulator/FlowGauge life
- Eliminates porosity in welds due to loss of gas coverage



Also Available in 240V 50/60hz.

| PROFAX NO. | GAS SERVICE     | CGA INLET |
|------------|-----------------|-----------|
| RFG-320-H  | CO <sub>2</sub> | 320       |



# Platinum 250 Amp Heavy Duty

**PROFAX**

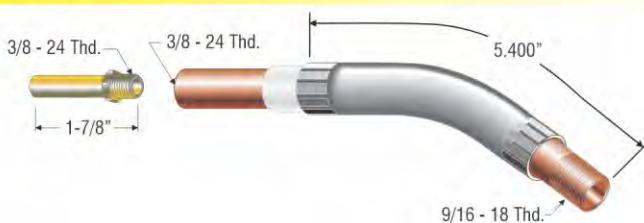
## 250 Amp H.D. MIG Gun

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO. | DESCRIPTION                     |   |  |         |                  |  |  |         |                  |  |
|------------|----------------------------|----------|------------|---------------------------------|---|--|---------|------------------|--|--|---------|------------------|--|
| 17S-30     | Contact tip .030           | .040     |            | Recessed                        |   |  |         |                  |  |  |         |                  |  |
| 17S-35     | Contact tip .035           | .044     |            | M8 - 1.25 Thd.                  |   |  |         |                  |  |  |         |                  |  |
| 17S-40     | Contact tip .040           | .049     |            | 3/8"                            |   |  |         |                  |  |  |         |                  |  |
| 17S-45     | Contact tip .045           | .054     |            | 1.350                           |   |  |         |                  |  |  |         |                  |  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | 27K62      | M.D. Nozzle 5/8"<br>(standard)  |   |  |         |                  |  |  |         |                  |  |
| 17S-52     | Contact tip .052           | .064     |            | *Standard tip shipped with gun. |   |  |         |                  |  |  |         |                  |  |
| 17ST-30    | Contact tip .030           | .040     | 27S50      | H.D. Nozzle 1/2"                |   |  |         |                  |  |  |         |                  |  |
| 17ST-35    | Contact tip .035           | .044     |            | (Use with 17ST series tips)     |   |  |         |                  |  |  |         |                  |  |
| 17ST-40    | Contact tip .040           | .049     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 17ST-45    | Contact tip .045           | .054     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 17ST-52    | Contact tip .052           | .064     | 27S62      | H.D. Nozzle 5/8"                |   |  |         |                  |  |  |         |                  |  |
| 17SLT-35   | Contact tip .035           | .044     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 17SLT-40   | Contact tip .040           | .049     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 17SLT-45   | Contact tip .045           | .054     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 17SLT-52   | Contact tip .052           | .064     |            | (Use with 27T38 nozzle)         |   |  |         |                  |  |  |         |                  |  |
| 16S-30     | Contact tip .030           | .040     | 27S75      | H.D. Nozzle 3/4"                |   |  |         |                  |  |  |         |                  |  |
| 16S-35     | Contact tip .035           | .044     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16S-40     | Contact tip .040           | .049     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16S-45     | Contact tip .045           | .054     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16S-52     | Contact tip .052           | .064     | 27TC38GL   | Tapered Nozzle 3/8"             |   |  |         |                  |  |  |         |                  |  |
| 16ST-30    | Contact tip .030           | .040     |            | (Use with 17SLT series tips)    |   |  |         |                  |  |  |         |                  |  |
| 16ST-35    | Contact tip .035           | .044     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16ST-40    | Contact tip .040           | .049     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16ST-45    | Contact tip .045           | .054     |            |                                 |   |  |         |                  |  |  |         |                  |  |
| 16ST-52    | Contact tip .052           | .064     | 27K50GL    | M.D. Nozzle 1/2"                |   |  |         |                  |  |  |         |                  |  |
| 27T38      | Tapered nozzle 3/8"        |          | 27K62GL    | M.D. Nozzle 5/8"                |   |  |         |                  |  |  |         |                  |  |
| 27TC38     | Tapered nozzle 3/8"        |          | 27S50GL    | H.D. Nozzle 1/2"                | <td></td> <td>27S62GL</td> <td>H.D. Nozzle 5/8"</td> <td><td></td><td>27S75GL</td><td>H.D. Nozzle 3/4"</td><td></td></td> |  | 27S62GL | H.D. Nozzle 5/8" | <td></td> <td>27S75GL</td> <td>H.D. Nozzle 3/4"</td> <td></td> |  | 27S75GL | H.D. Nozzle 3/4" |  |



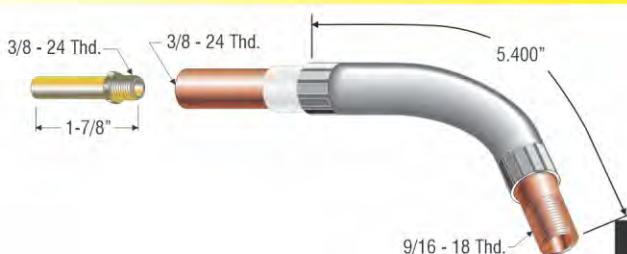
# Platinum 250 Amp Heavy Duty

**PROFAX**



| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 63-30HDJ   | Jacketed conductor tube 30° |
| 62N        | Nipple - included           |

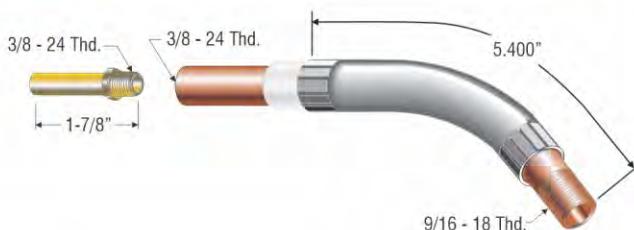
Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 63-60HDJ   | Jacketed conductor tube 60° |
| 62N        | Nipple - included           |

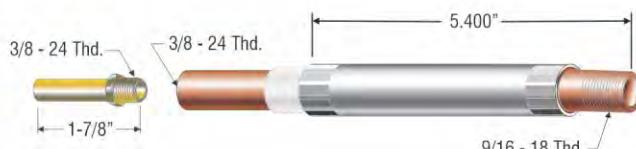
Also available in  
12", 18", and 24"

**MIG Gun**



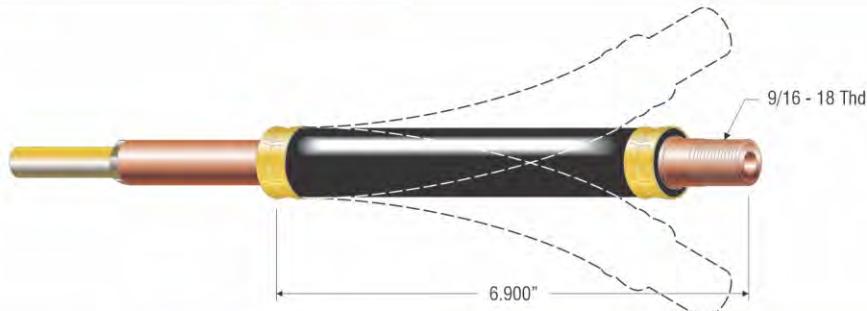
| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 63-45HDJ   | Jacketed conductor tube 45° |
| 62N        | Nipple - included           |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION                  |
|------------|------------------------------|
| 63-180HDJ  | Jacketed conductor tube 180° |
| 62N        | Nipple - included            |

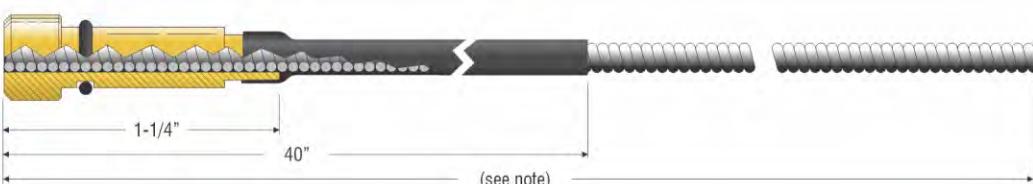
Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION  |
|------------|--|
| TFX-3HD    | PROFAX heavy duty flexible barrel for extreme heat |

| PROFAX NO.  | DESCRIPTION                                    |
|-------------|--|
| TFX3HD-12SP | PROFAX flexible barrel 14 1/4" over all length |
| TFX3HD-18SP | PROFAX flexible barrel 22 3/8" over all length |
| TFX3HD-24SP | PROFAX flexible barrel 28 1/4" over all length |

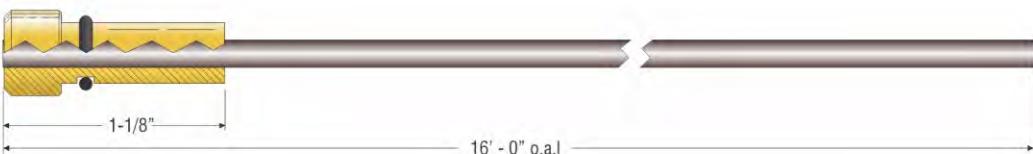
FOR SPECIAL APPLICATIONS THESE  
TFX3HD'S ARE AVAILABLE ON REQUEST.



Note: 15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 42-23-15   | 15' wire conduit assembly — used with .023 diameter wire       |
| 42-3035-15 | 15' wire conduit assembly — used with .030-.035 diameter wire  |
| 42-4045-15 | 15' wire conduit assembly — used with .040-.045 diameter wire  |
| 42-116-15  | 15' wire conduit assembly — used with .052-1/16" diameter wire |
| 42-3035-25 | 25' wire conduit assembly — used with .030-.035 diameter wire  |
| 42-4045-25 | 25' wire conduit assembly — used with .040-.045 diameter wire  |
| 42-116-25  | 25' wire conduit assembly — used with .052-1/16" diameter wire |

| I.D. | O.D. |
|------|------|
| .044 | .125 |
| .052 | .156 |
| .060 | .156 |
| .078 | .156 |
| .052 | .156 |
| .060 | .156 |
| .078 | .156 |



| PROFAX NO.  | DESCRIPTION   |
|-------------|---|
| 42N-3545-15 | 15' teflon conduit assembly — used with .035-.047 aluminum wire |

| I.D. | O.D. |
|------|------|
| .065 | .138 |



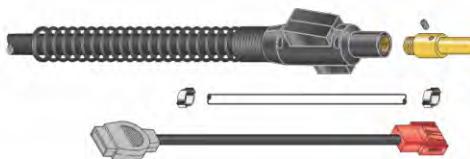
## Direct Connects All Platinum 250 Amp MIG Guns

**PROFAX**

250 Amp MIG Gun  
Direct Connects

The following direct connects are available by placing the letters shown below before the gun package number.  
Example: add an "M" to 250-3035-10; eg M250-3035-10 is now a Miller® direct connect gun.

**C-Century®:** Powermate 225, Solar®125 (New –1982), Solar®165 (New-1982) Solar®2-175 (New-1982), Solar®2120 and Portable mig.



**CK-Systematics®:** MP-140, 175, 230 and 250.



\*Note: Uses "CK42" series liner

**E-Estab®(L-Tec/Linde):** All wire feeders with the MT200/400 Linde mig gun adapter installed.



**H-Hobart®:** Betamig 200, 250 and 251.



**LN-Lincoln®:** SP150, SP200, LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also LN10, DH10, and STT10 with K1500-1 installed.

**Note:** For LN-25 Pro Order Gun with standard **PROFAX** back end and LAK 354 installed



**LP-Lincoln®:** Powermig 200, 210, 215XT, 216, 225, 255, 255C, 256, 300 and 350MP.



**M-Miller®:** Millermatic 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350, 350P, Pulser and Vintage. S21E, S22A, S32, Super 32, Extreme 8VS, 12VS, and all 50, 60, and 70 series feeders. 8VS, 12RC, 12VS, R115 and 22A, 24A



**Hobart®:** Betamig 2510 and Olympic VS.

**X-Euro-Quick:** Equipment

Airco®: AutoPak 130, Dipstick 160 (New), Dipstick 200 (New)Systems I, Universal, Mity 4 and Dip-Pak 250.

Century®(Solar®): Solar 165 (Old)(117-003), Solar 2-125 (Old) and All Star.

Lincoln®: SP250 & SP255. Note: Will not have remote wire speed & voltage control capability.

Esab®: Mig 2E, Mig 4HD, Mig 4AF, Migmaster 250, 251, 252 and 300I, and Mobilmaster.

Powcon®: PD10, PD20 & PD30.

PROFAX: Pro IIx and Pro IVx.

SIP®: Topmag 170, 195, Autoplus 150 dual purpose, Autoplus 171 & 196, Autoplus 180 dual purpose, Autoplus Super 210 dual purpose, Autoplus Super 215, Ideal Super 180, 210, 240, 300, 350 & 500.

Schumacher®: Model 90201.



**Direct Connects are also available for the following**

**P-Panasonic®:** Gunslinger 260.



## Direct Connects All Platinum 250 Amp MIG Guns

**PROFAX**

\*For adapter kits for other style feeders see page 86.

### Direct Mount Conversion Kits Used for converting an existing gun to a different wire feeder.

Standard: TAK-250



| NO. | PROFAX NO. | DESCRIPTION                 |
|-----|------------|-----------------------------|
| 1.  | R174-T     | Connector - standard PROFAX |
| 2.  | AK-354     | Control cord                |

Miller®: MAK-250



| NO. | PROFAX NO. | DESCRIPTION                   |
|-----|------------|-------------------------------|
| 1.  | R174M-N    | Nipple for Miller® connection |
| 2.  | R174-M     | Connector for Miller®         |
| 3.  | R174M-R    | Insulator                     |
| 4.  | MSAK-354   | Control cord                  |

Lincoln®: LAK-250



| NO. | PROFAX NO. | DESCRIPTION            |
|-----|------------|------------------------|
| 1.  | R174-LC    | Connector for Lincoln® |
| 2.  | 35-170-5   | Gas nipple             |
| 3.  | MSAK-353   | Gas hose w/grommet     |
| 4.  | LAK-354    | Control cord           |
| 5.  | AK-353-2A  | Gas hose clamp (2)     |
| 6.  | 1245       | Gland                  |
| 7.  | 1255       | Nut                    |

250 Amp MIG Gun  
Conversion Kits

Conversion kits to convert the Compact 250 amp MIG gun to direct mount. Includes connector plug, electrical cord w/plug, and gas hose.

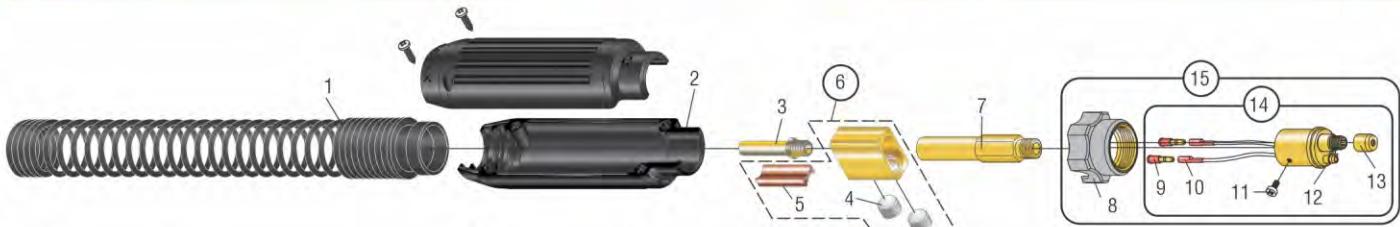
|          |  |
|----------|--|
| EAK-250  | Esab®(L-Tec/Linde): All wire feeders with the MT200/400 Linde MIG gun adapter installed.   |
| HAK-250  | Hobart®: Betamig 200, 250 and 251.   |
| LAK-250  | Lincoln®: LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also Lincoln® LN10, DH10, & STT10 with K1500-1 installed.  |
| LPAK-250 | Lincoln® POWERMIG 200, 210, 215XT, 216, 225, 255, 255C, 256 300 and 350MP.   |
| MAK-250  | Miller®: Millermatic 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 300, 350, 350P, Pulser and Vintage. S21E, S22A, S32, Super 32, Extreme 12VS, and all 50, 60, and 70 series feeders. 8VS, 12VS, R115 and X-Treme® 8VS, 12RC and 12VS<br>Hobart®: Betamig 2510 and Olympic VS. |

Oxomatic®: PS-30Q & AVC-30Q.

Panasonic®: Gunslinger 260.

Hobart® series 2000, 2200, 2210, 2400, 2410, Heavy Duty, Model 17, Hefty, Mijit 17, Portafeed 17, Portawire 17, Portafeed 1000, Ultrafeed 1000, Powcon® PD-1, PD-IE & PDVS-1, Thermal Arc® TA-3, TAF-2, TAF-4 & Viking 250. Profax Pro II, Pro IV, Lincoln® Wirematic 250 & 255. LN 10, DH10, & STT10 w/K1500-2 installed.

### Euro-Quick End for All Platinum 250 Amp MIG Guns



| NO. | PROFAX NO. | DESCRIPTION                    | NO. | PROFAX NO. | DESCRIPTION             | NO. | PROFAX NO. | DESCRIPTION                                 |
|-----|------------|--------------------------------|-----|------------|-------------------------|-----|------------|---|
| 1.  | R185-S     | Spring                         | 7.  | 140-UA     | Euro connector          | 13. | 174EX-1C   | Conduit nut                                 |
| 2.  | 2545-3     | Cable support                  | 8.  | 2545-4     | Machine Nut             | 14. | 2545       | Euro-Quick connector assembly               |
| 3.  | 62N        | Nipple                         | 9.  | 2545-6     | Trigger connection male | 15. | 2545-C     | Euro-Quick connector assembly w/machine nut |
| 4.  | A-532-24   | 9/16"-18 ball point screw      | 10. | 35-350-1   | Butt connector          |     |            |   |
| 5.  | 114        | Separator                      | 11. | 2-MS       | Metric screw            |     |            |   |
| 6.  | 104        | Cable connector block assembly | 12. | 35-40-1    | O-ring                  |     |            |   |



Universal  
flow  
tester

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 50020      | Flow tester for Argon & CO <sub>2</sub> 0-50 SCFH          |
| 50020-M    | Flow tester for Argon & CO <sub>2</sub> 0-25 Litres/Minute |

### Regulator/Flowmeter

#### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design



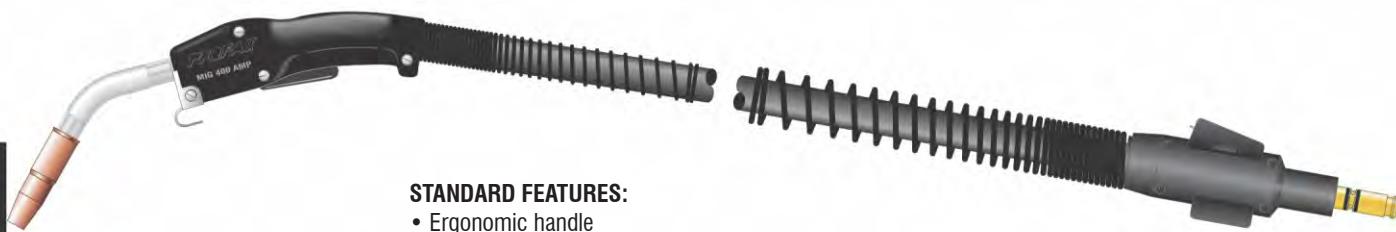
| PROFAX NO. | GAS SERVICE                         | CGA INLET |
|------------|-------------------------------------|-----------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       |
| RF1430-320 | CO <sub>2</sub>                     | 320       |



# Platinum Compact 400 Amp MIG Gun

**PROFAK**

Platinum Compact  
400 Amp MIG Gun



## STANDARD FEATURES:

- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

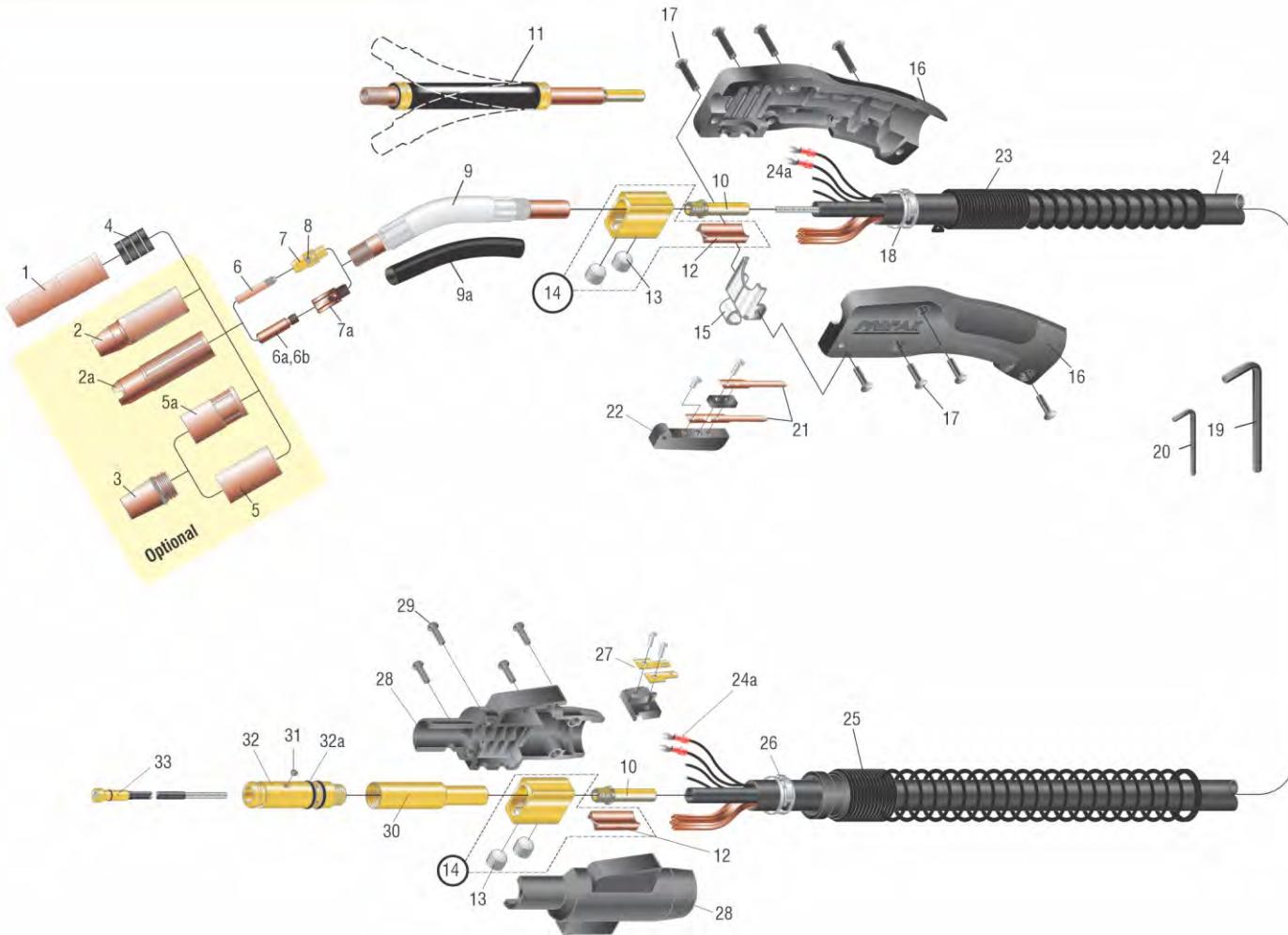
| PROFAX NO.  | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 400-3545-10 | 10'    | .035-.045 | 400-3545-12 | 12'    | .035-.045 | 400-3545-15 | 15'    | .035-.045 | 400-3545-20 | 20'    | .035-.045 | 400-3545-25 | 25'    | .035-.045 |
| 400-052-10  | 10'    | .052      | 400-052-12  | 12'    | .052      | 400-052-15  | 15'    | .052      | 400-052-20  | 20'    | .052      | 400-052-25  | 25'    | .052      |
| 400-116-10  | 10'    | 1/16"     | 400-116-12  | 12'    | 1/16"     | 400-116-15  | 15'    | 1/16"     | 400-116-20  | 20'    | 1/16"     | 400-116-25  | 25'    | 1/16"     |
| 400-564-10  | 10'    | 5/64      | 400-564-12  | 12'    | 5/64"     | 400-564-15  | 15'    | 5/64"     | 400-564-20  | 20'    | 5/64"     | 400-564-25  | 25'    | 5/64"     |

## TO ORDER DIRECT CONNECT MIG GUNS

- Standard -** All wire feeders that accept the "PROFAX" rear adapter. e.g. 400-3545-10
- Lincoln® Direct -** Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. **LN400-3545-10**  
Add an **LP** for the Lincoln Power mig 255. e.g. **LP400-3545-10**
- Miller® Direct** Add an **M**. e.g. **M400-3545-10**
- Euro-Quick** Add an **X**. e.g. **X400-3545-10**

SEE PAGES 74-75 for more details on direct connects

SEE PAGES 86-87 for list of adapter kits





## Platinum Compact 400 Amp MIG Gun Parts List

**PROFAX**

| NO. | PROFAX NO.       | DESCRIPTION   | NO.  | PROFAX NO.  | DESCRIPTION   |
|-----|------------------|---|------|-------------|---|
| 1.  | 24A50            | Nozzle 1/2", adj. use w/34A                           | 7.   | 54A         | Gas diffuser  |
|     | 24A62            | Nozzle 5/8", adj. use w/34A ( <b>standard</b> )       | 7a.  | 54A16       | Gas diffuser for 16 series tips (optional)                    |
|     | 24A75            | Nozzle 3/4", adj. use w/34A                           |      | 54C         | Gas diffuser, copper  |
|     | 24A50SS          | Nozzle 1/2", short stop, adjustable use w/34A         | 8.   | 44C         | Set screw for gas diffuser/conduit                            |
|     | 24A62SS          | Nozzle 5/8", short stop, adjustable use w/34A         | 9.   | 64A30J      | Jacketed conductor tube 30°                                   |
|     | 24A75SS          | Nozzle 3/4", short stop, adjustable use w/34A         |      | 64A45J      | Jacketed conductor tube 45° ( <b>standard</b> )               |
|     | 24AH50           | Nozzle 1/2", HD, adj. use w/34A                       |      | 64A45-9J    | Jacketed conductor tube 45° - 9 inch                          |
|     | 24AH62           | Nozzle 5/8", HD, adj. use w/34A                       |      | 64A60J      | Jacketed conductor tube 60°                                   |
|     | 24AH75           | Nozzle 3/4", HD, adj. use w/34A                       |      | 64A60-9J    | Jacketed conductor tube 60° - 9 inch                          |
|     | 24AT37SS         | Nozzle 3/8", short stop, tapered, use w/34A           |      | 64A60-3RJ   | Jacketed conductor tube 60°, 3"radius                         |
| 2.  | 23-37            | Nozzle 3/8", self insulated, (Recessed Tip)           |      | 64A80J      | Jacketed conductor tube 80°                                   |
|     | 23-50            | Nozzle 1/2", self insulated, (Recessed Tip)           |      | 64A180J     | Jacketed conductor tube 180°                                  |
|     | 23-62            | Nozzle 5/8", self insulated, (Recessed Tip)           |      | 64A30       | Conductor tube 30°  |
|     | 23-75            | Nozzle 3/4", self insulated, (Recessed Tip)           |      | 64A45       | Conductor tube 45°  |
|     | 23-37F           | Nozzle 3/8", self insulated, (Flush Tip)              |      | 64A60       | Conductor tube 60°  |
|     | 23-50F           | Nozzle 1/2", self insulated, (Flush Tip)              |      | 64A80       | Conductor tube 80°  |
|     | 23-62F           | Nozzle 5/8", self insulated, (Flush Tip)              |      | 64A180      | Conductor tube 180°   |
|     | 23-75F           | Nozzle 3/4", self insulated, (Flush Tip)              | 9a.  | 74A         | Replacement neoprene insulator                                |
|     | 23H50            | Nozzle 1/2", HD, self insulated                       | 10.  | 64N         | Nipple  |
|     | 23H62            | Nozzle 5/8", HD, self insulated                       | 11.  | TFX-4       | Flexible barrel for extreme heat (optional)                   |
|     | 23T37            | Nozzle 3/8", self insulated, tapered                  | 12.  | 114         | Separator   |
| 2a. | 23-62FAS         | Spot welding nozzle 5/8"                              | 13.  | A-532-24    | 9/16"-18 ball point screws                                    |
| 3.  | 24CT50F          | Nozzle 1/2", use w/34CT, (Flush Tip)                  | 14.  | 104         | Cable connector block assembly                                |
|     | 24CT62F          | Nozzle 5/8", use w/34CT, (Flush Tip)                  | 15.  | 154HD       | Hanger  |
|     | 24CT75F          | Nozzle 3/4", use w/34CT, (Flush Tip)                  | 16.  | 84C         | Compact handle w/binder screws                                |
|     | 24CT37S          | Nozzle 3/8", use w/34CT, (Recessed Tip)               | 17.  | 122FM-SET   | Binders (4 ea.) and screws (4 ea.) for handle                 |
|     | 24CT50S          | Nozzle 1/2", use w/34CT, (Recessed Tip)               | 18.  | 134-14      | Clamp - handle  |
|     | 24CT62S          | Nozzle 5/8", use w/34CT, (Recessed Tip)               | 19.  | AL-300-25   | 7/32" hex wrench  |
|     | 24CT75S          | Nozzle 3/4", use w/34CT, (Recessed Tip)               | 20.  | 44-25       | 5/64" hex wrench  |
| 4.  | 34A              | Insulator   | 21.  | 92C         | Switch contacts w/screws                                      |
| 5.  | 34CT             | Insulator w/coarse thread nozzle                      | 22.  | 92          | Trigger switch assembly                                       |
| 5a. | 34CT-HT          | Insulator, high temp                                  |      | 92L         | Locking trigger (not shown)                                   |
| 6.  | 14-23            | Contact tip .023                                      | 23.  | 144-6S      | Spring strain relief for handle                               |
|     | 14-30            | Contact tip .030                                      | 24.  | 400-10      | 10' replacement cable assembly                                |
|     | 14-35            | Contact tip .035                                      |      | 400-12      | 12' replacement cable assembly                                |
|     | 14-40            | Contact tip .040                                      |      | 400-15      | 15' replacement cable assembly                                |
|     | 14-45            | Contact tip .045                                      |      | 400-20      | 20' replacement cable assembly                                |
|     | 14-52            | Contact tip .052                                      |      | 400-25      | 25' replacement cable assembly                                |
|     | 14-116           | Contact tip 1/16"                                     |      | 400K        | Cable, bulk (per foot)  |
|     | 14-564           | Contact tip 5/64"                                     |      | 400CK       | Cloth wrapped cable, bulk (per foot) for guns longer than 15' |
|     | 14A364           | Contact tip 3/64"(for aluminum)                       | 24a. | 244         | Terminal  |
|     | 14A116           | Contact tip 1/16"(for aluminum)                       | 25.  | R185-S      | Spring  |
|     | 14H30            | Contact tip .030, HD                                  | 26.  | 134-14      | Clamp - connector block                                       |
|     | 14H35            | Contact tip .035, HD                                  | 27.  | 194         | Connector tab assembly  |
|     | 14H40            | Contact tip .040, HD                                  | 28.  | R185-H      | Housing   |
|     | 14H45            | Contact tip .045, HD                                  | 29.  | R185-SC     | Screws for housing (4)  |
|     | 14H52            | Contact tip .052, HD                                  | 30.  | R174-UA     | Standard connector plug w/64N                                 |
|     | 14H116           | Contact tip 1/16", HD                                 |      | R174-UAG    | Connector plug w/gas hole w/64N                               |
|     | 14H564           | Contact tip 5/64", HD                                 | 31.  | 44C         | Set screw for conduit 8-32                                    |
|     | 14AH364          | Contact tip 3/64", HD (for aluminum)                  | 32.  | R174-C      | Connector, Century®   |
|     | 14AH116          | Contact tip 1/16", HD (for aluminum)                  |      | R174-E      | Connector, Esab®  |
|     | 14HT35           | Contact tip .035                                      |      | R174-H      | Connector, Hobart®  |
|     | 14HT40           | Contact tip .040                                      |      | R174-L      | Connector, Lincoln®   |
|     | 14HT45           | Contact tip .045                                      |      | R174-M      | Connector, Miller®  |
|     | 14HT52           | Contact tip .052                                      |      | R174-T      | Connector, standard   |
|     | 14HT116          | Contact tip 1/16"                                     | 32a. | 224         | O-ring  |
|     | 14HT564          | Contact tip 5/64"                                     | 33.  | 44-3545-15  | 15' wire conduit assembly .035-.045                           |
|     | 14T23            | Tapered contact tip .023                              |      | 44-116-15   | 15' wire conduit assembly .052-1/16"                          |
|     | 14T30            | Tapered contact tip .030                              |      | 44-564-15   | 15' wire conduit assembly 5/64"                               |
|     | 14T35            | Tapered contact tip .035                              |      | 44-3545-25  | 25' wire conduit assembly .035-.045                           |
|     | 14T40            | Tapered contact tip .040                              |      | 44-116-25   | 25' wire conduit assembly .052-1/16"                          |
|     | 14T45            | Tapered contact tip .045                              |      | 44-564-25   | 25' wire conduit assembly 5/64"                               |
|     | 14T52            | Tapered contact tip .052                              |      | 44N-3545-15 | 15' nylon lined conduit assembly (aluminum).035-.047          |
|     | 14T116           | Tapered contact tip 1/16"                             |      | 44N-116-15  | 15' nylon lined conduit assembly (aluminum) 1/16"             |
| 6a. | 16S series tips  | Contact tip (optional) for 5/8" I.D. & larger nozzles |      | 44TF-116-15 | 15' teflon lined conduit assembly (aluminum) 1/16"            |
| 6b. | 16ST series tips | Tapered tip (optional) for 1/2" I.D. & larger nozzles |      |             |   |

**Platinum Compact  
400 Amp MIG Gun**



# Platinum Compact 400 Amp MIG Gun

**PROFAK**

## Platinum Compact 400 Amp MIG Gun

| PROFAK NO.             | DESCRIPTION              | TIP I.D.  | PROFAK NO. | DESCRIPTION              |
|------------------------|--------------------------|---|------------|--------------------------|
| 14-23                  | Contact tip .023         | .031  | 23-37F     | Nozzle 3/8"              |
| 14-30                  | Contact tip .030         | .038  |            |                          |
| 14-35                  | Contact tip .035         | .044  |            |                          |
| 14-40                  | Contact tip .040         | .047  |            |                          |
| 14-45                  | Contact tip .045         | .054  |            |                          |
| 14-52                  | Contact tip .052         | .064  |            |                          |
| 14-116                 | Contact tip 1/16"        | .073  |            |                          |
| 14-564                 | Contact tip 5/64"        | .090  |            |                          |
| 14A364                 | Contact tip 3/64"        | .059  |            |                          |
| 14A116                 | Contact tip 1/16"        | .078  |            |                          |
| 14T23                  | Contact tip .023         | .031  | 23-50F     | Nozzle 1/2"              |
| 14T30                  | Contact tip .030         | .038  |            |                          |
| 14T35                  | Contact tip .035         | .044  |            |                          |
| 14T40                  | Contact tip .040         | .047  |            |                          |
| 14T45                  | Contact tip .045         | .054  |            |                          |
| 14T52                  | Contact tip .052         | .064  |            |                          |
| 14T116                 | Contact tip 1/16"        | .073  |            |                          |
| 14T564*                | Contact tip 5/64"        | .090  |            |                          |
| *Available on request. |                          |   |            |                          |
| 14H30                  | Contact tip .030         | .038  | 23-62F     | Nozzle 5/8"              |
| 14H35                  | Contact tip .035         | .044  |            |                          |
| 14H40                  | Contact tip .040         | .049  |            |                          |
| 14H45                  | Contact tip .045         | .054  |            |                          |
| 14H52                  | Contact tip .052         | .064  |            |                          |
| 14H116                 | Contact tip 1/16"        | .073  |            |                          |
| 14H564                 | Contact tip 5/64"        | .093  |            |                          |
| 14AH364                | Contact tip 3/64"        | .059  |            |                          |
| 14AH116                | Contact tip 1/16"        | .078  |            |                          |
| 14HT35                 | Contact tip .035         | .044  | 23-75F     | Nozzle 3/4"              |
| 14HT40                 | Contact tip .040         | .049  |            |                          |
| 14HT45                 | Contact tip .045         | .054  |            |                          |
| 14HT52                 | Contact tip .052         | .064  |            |                          |
| 14HT116                | Contact tip 1/16"        | .073  |            |                          |
| 14HT564                | Contact tip 5/64"        | .093  |            |                          |
| Heavy Duty Series Tips |                          |   |            |                          |
| 23-37                  | Nozzle 3/8"              | 9/16 - 18 Thd.<br>3/8" I.D.<br>3-5/16"                            | 23H50      | Heavy duty nozzle 1/2"   |
|                        |                          | (Self insulated nozzle, recessed)<br>Requires Tapered contact tip |            |                          |
| 23-50                  | Nozzle 1/2"              | 9/16 - 18 Thd.<br>1/2" I.D.<br>3-5/16"                            | 23H62      | Heavy duty nozzle 5/8"   |
|                        |                          | (Self insulated nozzle, recessed)                                 |            |                          |
| 23-62                  | Nozzle 5/8"              | 9/16 - 18 Thd.<br>5/8" I.D.<br>3-5/16"                            | 23H75      | Heavy duty nozzle 3/4"   |
|                        |                          | (Self insulated nozzle, recessed)                                 |            |                          |
| 23-75                  | Nozzle 3/4"              | 9/16 - 18 Thd.<br>3/4" I.D.<br>3-5/16"                            | 23T37      | Tapered nozzle 3/8"      |
|                        |                          | (Self insulated nozzle, recessed)                                 |            |                          |
| Nozzles                |                          |   |            |                          |
| 23-37F                 | Nozzle 3/8"              | 9/16 - 18 Thd.<br>3/8" I.D.<br>3-5/32"                            | 23-62F     | Nozzle 1/2"              |
|                        |                          | (Self insulated nozzle, flush)<br>Requires Tapered contact tip    |            |                          |
| 23-50F                 | Nozzle 1/2"              | 9/16 - 18 Thd.<br>1/2" I.D.<br>3-5/32"                            | 23H62F     | Nozzle 5/8"              |
|                        |                          | (Self insulated nozzle, flush)                                    |            |                          |
| 23-62F                 | Nozzle 5/8"              | 9/16 - 18 Thd.<br>5/8" I.D.<br>3-5/32"                            | 23H75F     | Nozzle 3/4"              |
|                        |                          | (Self insulated nozzle, flush)                                    |            |                          |
| 23-75F                 | Nozzle 3/4"              | 9/16 - 18 Thd.<br>3/4" I.D.<br>3-5/32"                            | 23T37F     | Tapered nozzle 3/8"      |
|                        |                          | (Self insulated nozzle, flush)                                    |            |                          |
| Tapered Nozzles        |                          |   |            |                          |
| 23T37                  | Tapered nozzle 3/8"      | 9/16 - 18 Thd.<br>3/8" I.D.<br>3-1/4"                             | 23-62FAS   | Spot welding nozzle 5/8" |
|                        |                          | (Self insulated nozzle)<br>Requires Tapered contact tip           |            |                          |
| 23-62FAS               | Spot welding nozzle 5/8" | 9/16 - 18 Thd.<br>5/8" I.D.<br>3.450"                             |            |                          |



# Platinum Compact 400 Amp MIG Gun

**PROFAX**

| PROFAX NO. | DESCRIPTION            | PROFAX NO. | DESCRIPTION            |
|------------|------------------------|------------|------------------------|
| 24A50      | Nozzle 1/2"            | 24AH75     | Heavy duty nozzle 3/4" |
| 24A62      | Nozzle 5/8"            | 24AT37SS   | Tapered nozzle 3/8"    |
| 24A75      | Nozzle 3/4"            | 24CT37S    | Nozzle 3/8"            |
| 24A50SS    | Nozzle 1/2"            | 24CT50S    | Nozzle 1/2"            |
| 24A62SS    | Nozzle 5/8"            | 24CT62S    | Nozzle 5/8"            |
| 24A75SS    | Nozzle 3/4"            | 24CT75S    | Nozzle 3/4"            |
| 24AH50     | Heavy duty nozzle 1/2" | 24CT50F    | Nozzle 1/2"            |
| 24AH62     | Heavy duty nozzle 5/8" | 24CT62F    | Nozzle 5/8"            |

**Platinum Compact  
400 Amp MIG Gun**

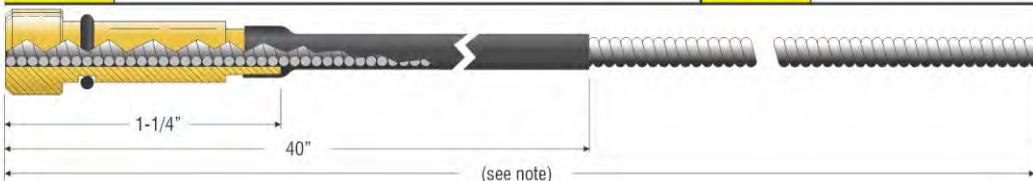


# Platinum Compact 400 Amp MIG Gun

**PROFAK**

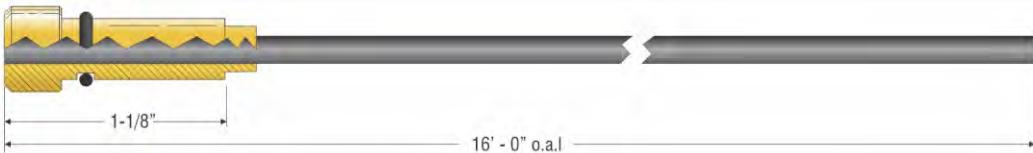
## Platinum Compact 400 Amp MIG Gun

| PROFAK NO. | DESCRIPTION   | PROFAK NO. | DESCRIPTION                                |
|------------|---|------------|--|
| 24CT75F    | Nozzle 3/4"<br>(Coarse thread - fixed nozzle flush - used with 34CT nozzle insulator) | 34CT-HT    | Insulator                                  |
| 34A        | Insulator<br><br>(Used with adjustable nozzles)                                       | 54A        | Gas diffuser                               |
| 34CT       | Insulator<br><br>(Used with coarse thread nozzles)                                    | 54C        | Gas diffuser (Copper)                      |
|            |   | 54A16      | Gas diffuser<br>(Use with 16S series tips) |



Note: 15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)

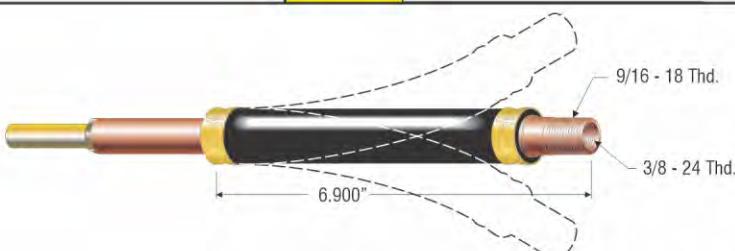
| PROFAK NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44-3545-15  | 15' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-15   | 15' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-15   | 15' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |
| 44N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire | .064 | .187 |
| 44N-116-15  | 15' wire conduit assembly — used with 1/16" diameter aluminum wire      | .090 | .187 |
| 44-3545-25  | 25' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-25   | 25' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-25   | 25' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |



| PROFAK NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44TF-116-15 | 15' teflon conduit assembly — used with 1/16" aluminum wire | .095 | .185 |

|                   |                     |                   |                                       |
|-------------------|---------------------|-------------------|---------------------------------------|
| <b>PROFAK NO.</b> | <b>DESCRIPTION</b>  | <b>PROFAK NO.</b> | <b>DESCRIPTION</b>                    |
| 64A30             | Conductor tube 30°  | 64A30J            | Jacketed conductor tube 30°           |
| 64A45             | Conductor tube 45°  | 64A45J            | Jacketed conductor tube 45°           |
| 64A60             | Conductor tube 60°  | 64A60J            | Jacketed conductor tube 60°           |
| 64A80             | Conductor tube 80°  | 64A80J            | Jacketed conductor tube 80°           |
| 64A180            | Conductor tube 180° | 64A180J           | Jacketed conductor tube 180°          |
| 64N               | Nipple - included   | 64A60-3RJ         | Jacketed conductor tube 3" radius 60° |
|                   |                     | 64N               | Nipple - included                     |

Also available in  
12", 18", and 24"



| PROFAK NO. | DESCRIPTION                      | PROFAK NO. | DESCRIPTION                                    |
|------------|----------------------------------|------------|--|
| TFX-4      | Flexible barrel for extreme heat | TFX4-8SP   | PROFAK flexible barrel 12 3/4" over all length |
|            |                                  | TFX4-12SP  | PROFAK flexible barrel 16 1/4" over all length |
|            |                                  | TFX4-18SP  | PROFAK flexible barrel 22 3/4" over all length |
|            |                                  | TFX4-24SP  | PROFAK flexible barrel 28 3/4" over all length |

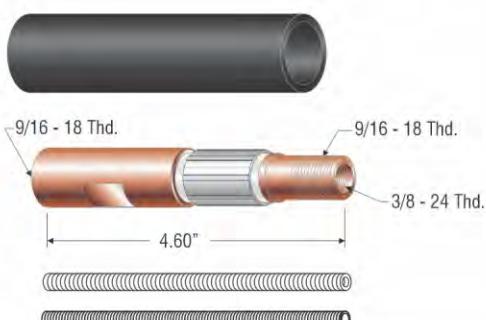
FOR SPECIAL APPLICATIONS THESE  
TFX4'S ARE AVAILABLE ON REQUEST.



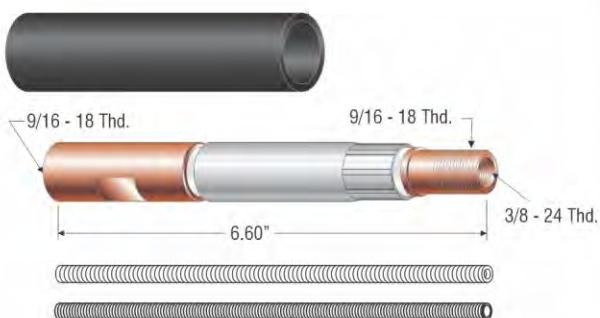
## Platinum Compact 400 Amp MIG Gun

**PROFAK**

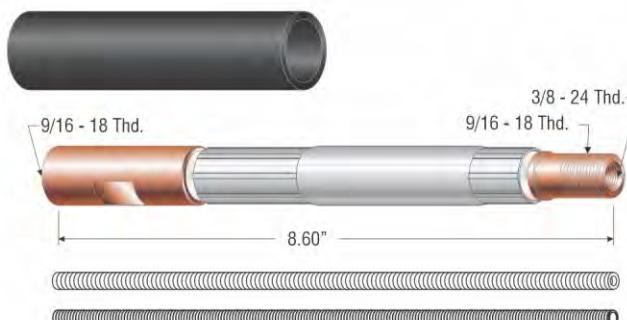
### EXTENSIONS



| PROFAK NO. | DESCRIPTION                                     |
|------------|---|
| 64A-4EX    | 4 inch extension with insulator and jump liners |

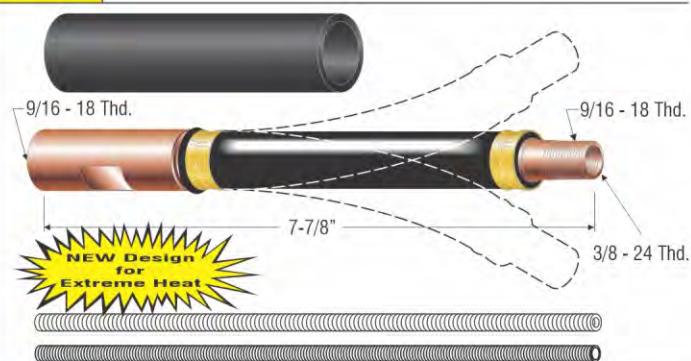


| PROFAK NO. | DESCRIPTION                                     |
|------------|---|
| 64A-6EX    | 6 inch extension with insulator and jump liners |



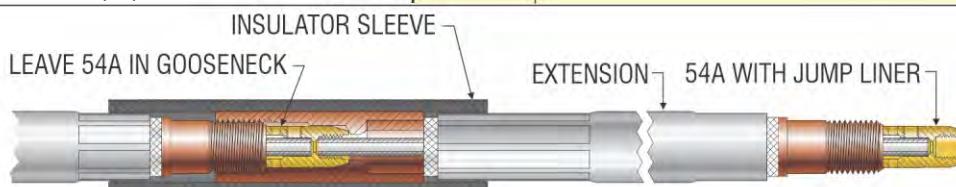
| PROFAK NO. | DESCRIPTION                                     |
|------------|---|
| 64A-8EX    | 8 inch extension with insulator and jump liners |

**Platinum Compact  
400 Amp MIG Gun**



| PROFAK NO.  | DESCRIPTION  |
|-------------|--|
| TFX-4EX     | 7 inch extension with insulator and jump liners for extreme heat |
| PROFAK NO.  | DESCRIPTION  |
| TFX4EX-12SP | PROFAK flexible barrel 16 1/4" over all length                   |
| TFX4EX-18SP | PROFAK flexible barrel 22 3/4" over all length                   |
| TFX4EX-24SP | PROFAK flexible barrel 28 3/4" over all length                   |

**FOR SPECIAL APPLICATIONS  
THESE TFX-4EX'S ARE  
AVAILABLE ON REQUEST.**



**INSTALLATION OPTION #1**

**INSTALLATION OPTION #2**

1. Install a gas diffuser and the proper size jump liner in the extension.
2. Remove ONLY the contact tip and nozzle from the welding gun's gooseneck.
3. Screw the gooseneck extension on and tighten with 5/8" wrench.
4. Slip insulator sleeve over extension.

1. Remove nozzle, contact tip, gas diffuser, and liner.
2. Screw the gooseneck extension on and tighten with 5/8" wrench.
3. Slip insulator sleeve over extension.
4. Install new liner in gun and cut to desired length.  
(Note: 64A8EX will require a 25' liner in a 15' gun)
5. Re-install diffuser, tip, and nozzle.

### CO<sub>2</sub> Heaters

Thermostat set at  
174° F - 205° F



#### 120V AC 50/60hz 100 Watt

The most ECONOMICAL Thermostatic controlled CO<sub>2</sub> Heater, designed to prevent CO<sub>2</sub> regulator Freeze-Up. Extends life of regulator/flowmeter and prevents porosity in welds from loss of shield gas in frozen regulator. Easily installed between CO<sub>2</sub> cylinder valve and flowmeter.

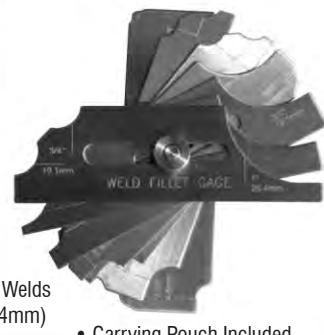
Also Available In 240V AC 50/60hz.

| PROFAK NO. | GAS SERVICE     | CGA INLET |
|------------|-----------------|-----------|
| CO2 HEATER | CO <sub>2</sub> | 320       |

### Weld Fillet Gage



- 7 Piece Weld Fillet Gage
- Stainless Steel Construction
- Marked in Standard and Metric Units
- For: • Checking Fillet Throat Sizes
  - Checking Fillet Leg Size
  - Works on Both Convex and Concave Welds
  - Weld Sizes 1/8" (3.2mm) — 1" (25.4mm)



• Carrying Pouch Included

| PROFAK NO. | DESCRIPTION      |
|------------|------------------|
| WFG        | Weld Fillet Gage |



# Platinum "Choice" FC400 Amp MIG Gun **PROFAX**

Platinum "Choice"  
FC400 MIG Gun



## STANDARD FEATURES:

- Slim ergonomic handle
- Large integral cooling slots
- Gooseneck can rotate a full 360 degree
- Set screw for liner is located on side of handle for protection from spatter

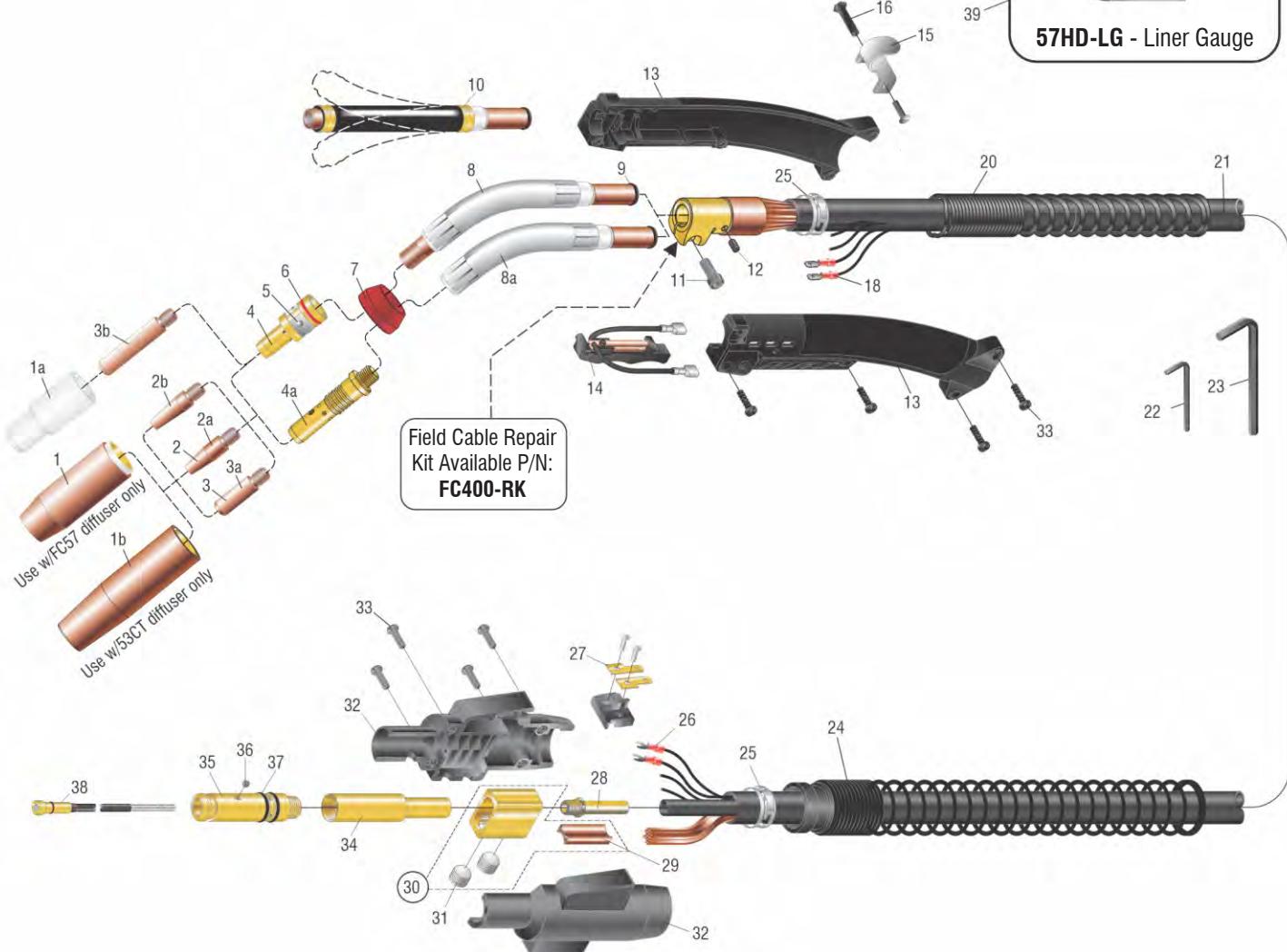
- Heavy duty contact tips for longer life
- Heavy duty copper gas diffuser
- Heavy duty slip-on nozzle
- Available up to 1/16" wire size

| PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|
| FC400-3545-10 | 10'    | .035-.045 | FC400-3545-12 | 12'    | .035-.045 | FC400-3545-15 | 15'    | .035-.045 | FC400-3545-20 | 20'    | .035-.045 |
| FC400-052-10  | 10'    | .052      | FC400-052-12  | 12'    | .052      | FC400-052-15  | 15'    | .052      | FC400-052-20  | 20'    | .052      |
| FC400-116-10  | 10'    | 1/16"     | FC400-116-12  | 12'    | 1/16"     | FC400-116-15  | 15'    | 1/16"     | FC400-116-20  | 20'    | 1/16"     |
|               |        |           |               |        |           |               |        |           | FC400-3545-25 | 25'    | .035-.045 |
|               |        |           |               |        |           |               |        |           | FC400-052-25  | 25'    | .052      |
|               |        |           |               |        |           |               |        |           | FC400-116-25  | 25'    | 1/16"     |

## TO ORDER DIRECT CONNECT MIG GUNS

- Standard** - All wire feeders that accept the "PROFAX" rear adapter. e.g. FC400-3545-10
- Lincoln® Direct** - Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. FCLN400-3545-10  
Add an **LP** for the Lincoln Power mig 255. e.g. FCLP400-3545-10
- Miller® Direct** - Add an **M**. e.g. FCM400-3545-10
- Euro-Quick** - Add an **X**. e.g. FCX400-3545-10

SEE PAGES 74-75 for more details on direct connects  
SEE PAGES 86-87 for list of adapter kits





# Platinum "Choice" FC400 Amp MIG Gun Parts List

**PROFAX**

FC400 Amp MIG  
Gun Parts List

| NO. | PROFAX NO. | DESCRIPTION  | NO.  | PROFAX NO. | DESCRIPTION                       |   |
|-----|------------|--|------|------------|-----------------------------------|---|
| 1.  | 27S50      | H.D. nozzle 1/2" (copper)                                    | 7.   | 17SW       | H.D. shock washer                 |   |
|     | 27S62      | H.D. nozzle 5/8" (copper) ( <b>standard</b> )                | 8.   | 64FC30HD   | Gooseneck 30°                     |   |
|     | 27S75      | H.D. nozzle 3/4" (copper)                                    |      | 64FC45HD   | Gooseneck 45° ( <b>standard</b> ) |   |
|     | 27S50GL    | H.D. nozzle 1/2" (copper) ( <b>Use 17SLT series tip</b> )    |      | 64FC60HD   | Gooseneck 60°                     |   |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                                    |      | 64FC180HD  | Gooseneck 180°                    |   |
|     | 27S75GL    | H.D. nozzle 3/4" (copper)                                    | 8a.  | 60FC30     | Gooseneck 30° (optional)          |   |
|     | 27T38      | Tapered nozzle 3/8" (brass) ( <b>Use 17SLT series tip</b> )  |      | 60FC45     | Gooseneck 45° (optional)          |   |
|     | 27TC38     | Tapered nozzle 3/8" (copper) ( <b>Use 17SLT series tip</b> ) |      | 60FC60     | Gooseneck 60° (optional)          |   |
|     | 27TC38GL   | Tapered nozzle 3/8" (copper) ( <b>Use 17SLT series tip</b> ) |      | 60FC180    | Gooseneck 180° (optional)         |   |
|     | 27T50      | Nozzle 1/2" bottle (copper)                                  | 9.   | S70011     | O-ring                            |   |
|     | 27T50HD    | H.D. Nozzle 1/2" (copper)                                    | 10.  | TFX-64FC   | Flexible barrel                   |   |
|     | 27K50      | M.D. nozzle 1/2" (copper)                                    | 11.  | 46C        | Socket head cap screw             |   |
|     | 27K62      | M.D. nozzle 5/8" (copper)                                    | 12.  | 45C        | Set screw 8-32 x 1/4"             |   |
| 1a. | 39         | Insulator for use w/self-shielded flux core wire only        | 13.  | 88         | Handle w/screws                   |   |
| 1b. | 23CT-37    | Nozzle 3/8" (requires tapered tip)                           | 14.  | 97T        | Trigger                           |   |
|     | 23CT-50    | Nozzle 1/2" (requires tapered tip)                           | 15.  | 154FC      | Hanger bracket                    |   |
|     | 23CT-62    | Nozzle 5/8"  | 16.  | 122FM-SET  | Post and screw                    |   |
|     | 23CT-75    | Nozzle 3/4"  | 18.  | 40MQ       | Male quick connect                |   |
| 2.  | 17ST-30    | Contact tip .030   | .040 | 20.        | 87-S                              | Support spring  |
|     | 17ST-35    | Contact tip .035   | .044 | 21.        | FC-410                            | 10' cable assembly                                      |
|     | 17ST-40    | Contact tip .040   | .049 |            | FC-412                            | 12' cable assembly                                      |
|     | 17ST-45    | Contact tip .045   | .054 |            | FC-415                            | 15' cable assembly                                      |
|     | 17ST-52    | Contact tip .052   | .064 |            | FC-420                            | 20' cable assembly                                      |
|     | 17ST-116   | Contact tip 1/16"  | .073 |            | FC-425                            | 25' cable assembly                                      |
| 2a. | 16ST-30    | Contact tip .030   | .040 | 22.        | 44-25                             | 5/64" hex wrench  |
|     | 16ST-35    | Contact tip .035   | .044 | 23.        | AL187                             | 3/16" hex wrench  |
|     | 16ST-40    | Contact tip .040   | .049 | 24.        | R185-S                            | Spring  |
|     | 16ST-45    | Contact tip .045   | .054 | 25.        | 134-14                            | Clamp (2)   |
|     | 16ST-52    | Contact tip .052   | .064 | 26.        | 244                               | Terminal  |
|     | 16ST-116   | Contact tip 1/16"  | .073 | 27.        | 194                               | Connector tab assembly                                  |
| 2b. | 17SLT-35   | Contact tip .035   | .044 | 28.        | 64N                               | Nipple  |
|     | 17SLT-40   | Contact tip .040   | .049 | 29.        | 114                               | Separator   |
|     | 17SLT-45   | Contact tip .045   | .054 | 30.        | 104                               | Cable connector block assembly                          |
|     | 17SLT-52   | Contact tip .052   | .064 | 31.        | A-532-24                          | 9/16" ball point screws                                 |
|     | 17SLT-116  | Contact tip 1/16"  | .073 | 32.        | R185-H                            | Housing w/screws  |
| 3.  | 17S-30     | Contact tip .030   | .040 | 33.        | R185-SC                           | Screws for housing (4)                                  |
|     | 17S-35     | Contact tip .035   | .044 | 34.        | R172-UA                           | Standard connector plug w/62N                           |
|     | 17S-40     | Contact tip .040   | .049 |            | R172-UAG                          | Connector plug w/gas hole w/62N                         |
|     | 17S-45     | Contact tip .045   | .054 | 35.        | R174-E                            | Connector, Esab®(L-Tec®)                                |
|     | 17AS-364   | Contact tip 3/64" aluminum                                   | .060 |            | R174-H                            | Connector, Hobart®                                      |
|     | 17S-52     | Contact tip .052   | .064 |            | R174-L                            | Connector, Lincoln®                                     |
|     | 17S-116    | Contact tip 1/16"  | .073 |            | R174-M                            | Connector, Miller®                                      |
|     | 17AS-116   | Contact tip 1/16" aluminum                                   | .078 |            | R174-T                            | Connector, ( <b>standard</b> )                          |
| 3a. | 16S-30     | Contact tip .030   | .040 | 36.        | 44C                               | Set screw 8-32 x 1/4"                                   |
|     | 16S-35     | Contact tip .035   | .044 | 37.        | 224                               | O-ring  |
|     | 16S-40     | Contact tip .040   | .049 | 38.        | 44-3545-15                        | 15' wire conduit assembly .035-.045                     |
|     | 16S-45     | Contact tip .045   | .054 |            | 44-116-15                         | 15' wire conduit assembly 1/16"                         |
|     | 16S-52     | Contact tip .052   | .064 |            | 44-3545-25                        | 25' wire conduit assembly .035-.045                     |
|     | 16S-116    | Contact tip 1/16"  | .073 |            | 44-116-25                         | 25' wire conduit assembly .052 - 1/16"                  |
| 3b. | 18S52      | Contact tip .052   | .064 |            | 44N-3545-15                       | 15' nylon lined conduit assembly (aluminum) .035 - .047 |
|     | 18S116     | Contact tip 1/16"  | .073 |            | 44N-116-15                        | 15' nylon lined conduit assembly (aluminum) 1/16"       |
| 4.  | FC57       | Gas diffuser   |      |            | 44TF-116-15                       | 15' teflon lined conduit assembly (aluminum) 1/16"      |
| 4a. | 53CT       | Gas diffuser   |      | 39.        | 57HD-LG                           | Gauge for setting liner                                 |
| 5.  | 240        | Retaining ring   |      |            |                                   |   |
| 6.  | 260        | O-ring   |      |            |                                   |   |



\*Prevents seizing  
when used on  
contact tip, nozzle &  
gas diffuser threads.

| PROFAX NO. | DESCRIPTION                               |
|------------|---|
| JL-4       | Copper coat anti-seize lubricant - 4 oz.  |
| JL-8       | Copper coat anti-seize lubricant - 8 oz.  |
| JL-16      | Copper coat anti-seize lubricant - 16 oz. |

## CO<sub>2</sub> Heated Regulator/FlowGauge

### SPECIFICATIONS:

- 120V AC/190 watt
- 0 - 125 CFH flow-rate

### High volume CO<sub>2</sub> Regulator FlowGauge with built in heater.

- Prevents regulator freeze-up
- Extends regulator/FlowGauge life
- Eliminates Porosity in welds due to loss of gas coverage



Also Available in 240V 50/60hz.

| PROFAX NO. | GAS SERVICE     | CGA INLET |
|------------|-----------------|-----------|
| RFG-320-H  | CO <sub>2</sub> | 320       |



# Platinum "Choice" FC400 Amp MIG Gun

**PROFAX**

Platinum "Choice"  
FC400 MIG Gun

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO. | DESCRIPTION         |  |
|------------|----------------------------|----------|------------|---------------------|--|
| 17S-30     | Contact tip .030           | .040     | 27T50      | Nozzle 1/2"         |  |
| 17S-35     | Contact tip .035           | .044     |            |                     |  |
| 17S-40     | Contact tip .040           | .049     | 27T50HD    | H.D. Nozzle 1/2"    |  |
| 17S-45     | Contact tip .045           | .054     |            |                     |  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | 27K50      | M.D. Nozzle 1/2"    |  |
| 17S-52     | Contact tip .052           | .064     |            |                     |  |
| 17S-116    | Contact tip 1/16"          | .073     | 27S50      | H.D. Nozzle 1/2"    |  |
| 17AS-116   | Contact tip 1/16" aluminum | .078     |            |                     |  |
| 17ST-30    | Contact tip .030           | .040     | 27K62      | M.D. Nozzle 5/8"    |  |
| 17ST-35    | Contact tip .035           | .044     |            |                     |  |
| 17ST-40    | Contact tip .040           | .049     | 27S62      | H.D. Nozzle 5/8"    |  |
| 17ST-45    | Contact tip .045           | .054     |            |                     |  |
| 17ST-52    | Contact tip .052           | .064     | 27S75      | H.D. Nozzle 3/4"    |  |
| 17ST-116   | Contact tip 1/16"          | .073     |            |                     |  |
| 16S-30     | Contact tip .030           | .040     | 27TC38GL   | Tapered Nozzle 3/8" |  |
| 16S-35     | Contact tip .035           | .044     |            |                     |  |
| 16S-40     | Contact tip .040           | .049     | 27S50GL    | H.D. Nozzle 1/2"    |  |
| 16S-45     | Contact tip .045           | .054     | 27S62GL    | H.D. Nozzle 5/8"    |  |
| 16S-52     | Contact tip .052           | .064     |            |                     |  |
| 16S-116    | Contact tip 1/16"          | .073     | 27S75GL    | H.D. Nozzle 3/4"    |  |
| 18S52      | Contact tip .052           | .064     |            |                     |  |
| 18S116     | Contact tip 1/16"          | .073     |            |                     |  |
| FC57       | Diffuser                   |          |            |                     |  |
| 39         | Insulator/Thread Protector |          |            |                     |  |
| 17SW       | H.D. shock washer          |          |            |                     |  |
| 27T38      | Tapered nozzle 3/8"        |          |            |                     |  |
| 27TC38     | Tapered nozzle 3/8"        |          |            |                     |  |

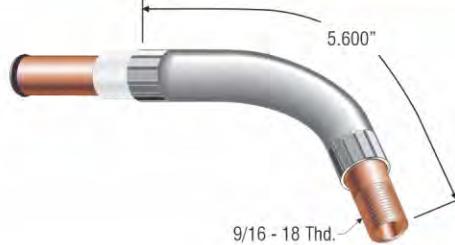


## Platinum "Choice" FC400 Amp MIG Gun

**PROFAX**



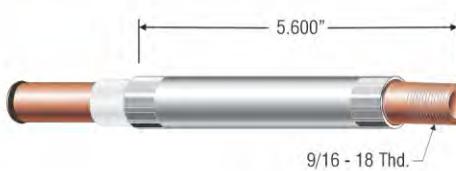
| PROFAX NO. | DESCRIPTION   | LENGTH | Also available in |
|------------|---------------|--------|-------------------|
| 64FC30HD   | Gooseneck 30° | 5.6"   | 12", 18", and 24" |
| 64FC30HDL  | Gooseneck 30° | 7.8"   |                   |



| PROFAX NO. | DESCRIPTION   | LENGTH | Also available in |
|------------|---------------|--------|-------------------|
| 64FC60HD   | Gooseneck 60° | 5.6"   | 12", 18", and 24" |
| 64FC60HDL  | Gooseneck 60° | 7.8"   |                   |



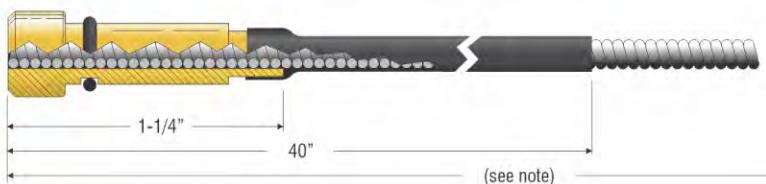
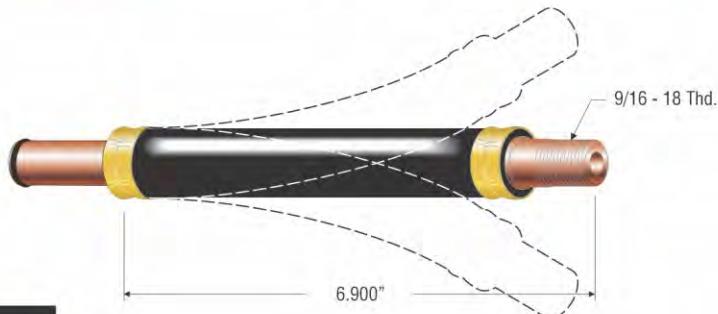
| PROFAX NO. | DESCRIPTION              | LENGTH | Also available in |
|------------|--------------------------|--------|-------------------|
| 64FC45HD   | Gooseneck 45° (standard) | 5.6"   | 12", 18", and 24" |
| 64FC45HDL  | Gooseneck 45°            | 7.8"   |                   |



| PROFAX NO. | DESCRIPTION    | LENGTH | Also available in |
|------------|----------------|--------|-------------------|
| 64FC180HD  | Gooseneck 180° | 5.6"   | 12", 18", and 24" |
| 64FC180HDL | Gooseneck 180° | 7.8"   |                   |



| PROFAX NO.   | DESCRIPTION   |
|--------------|---|
| TFX-64FC     | PROFAX flexible barrel 400 amp fc gun                     |
| PROFAX NO.   | DESCRIPTION   |
| TFX64FC-12SP | PROFAX flexible barrel 16 $\frac{3}{4}$ " over all length |
| TFX64FC-18SP | PROFAX flexible barrel 22 $\frac{3}{4}$ " over all length |
| TFX64FC-24SP | PROFAX flexible barrel 28 $\frac{3}{4}$ " over all length |



Note: 15' wire conduit assembly (16' - 3" o.a.l.)  
25' wire conduit assembly (26' - 6" o.a.l.)

| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44-3545-15  | 15' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-15   | 15' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire | .064 | .187 |
| 44N-116-15  | 15' wire conduit assembly — used with 1/16" diameter aluminum wire      | .090 | .187 |
| 44-3545-25  | 25' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-25   | 25' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |



| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44TF-116-15 | 15' teflon conduit assembly — used with 1/16" aluminum wire | .095 | .185 |

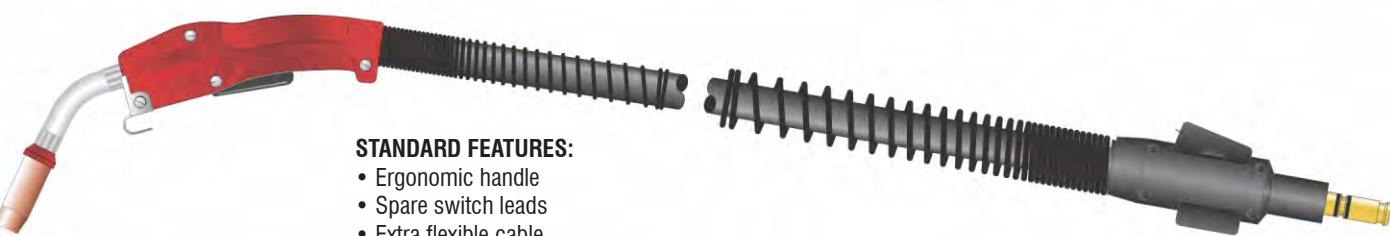
Platinum "Choice"  
FC400 MIG Gun



# Platinum 400 Amp Heavy Duty

**PROFAX**

400 Amp H.D.  
MIG Gun



## STANDARD FEATURES:

- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAX NO.    | LENGTH | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|
| HD400-3545-10 | 10'    | .035-.045 | HD400-3545-12 | 12'    | .035-.045 | HD400-3545-15 | 15'    | .035-.045 | HD400-3545-20 | 20'    | .035-.045 |
| HD400-052-10  | 10'    | .052      | HD400-052-12  | 12'    | .052      | HD400-052-15  | 15'    | .052      | HD400-052-20  | 20'    | .052      |
| HD400-116-10  | 10'    | 1/16"     | HD400-116-12  | 12'    | 1/16"     | HD400-116-15  | 15'    | 1/16"     | HD400-116-20  | 20'    | 1/16"     |
| HD400-564-10  | 10'    | 5/64"     | HD400-564-12  | 12'    | 5/64"     | HD400-564-15  | 15'    | 5/64"     | HD400-564-20  | 20'    | 5/64"     |
|               |        |           |               |        |           |               |        |           | HD400-3545-25 | 25'    | .035-.045 |
|               |        |           |               |        |           |               |        |           | HD400-052-25  | 25'    | .052      |
|               |        |           |               |        |           |               |        |           | HD400-116-25  | 25'    | 1/16"     |
|               |        |           |               |        |           |               |        |           | HD400-564-25  | 25'    | 5/64"     |

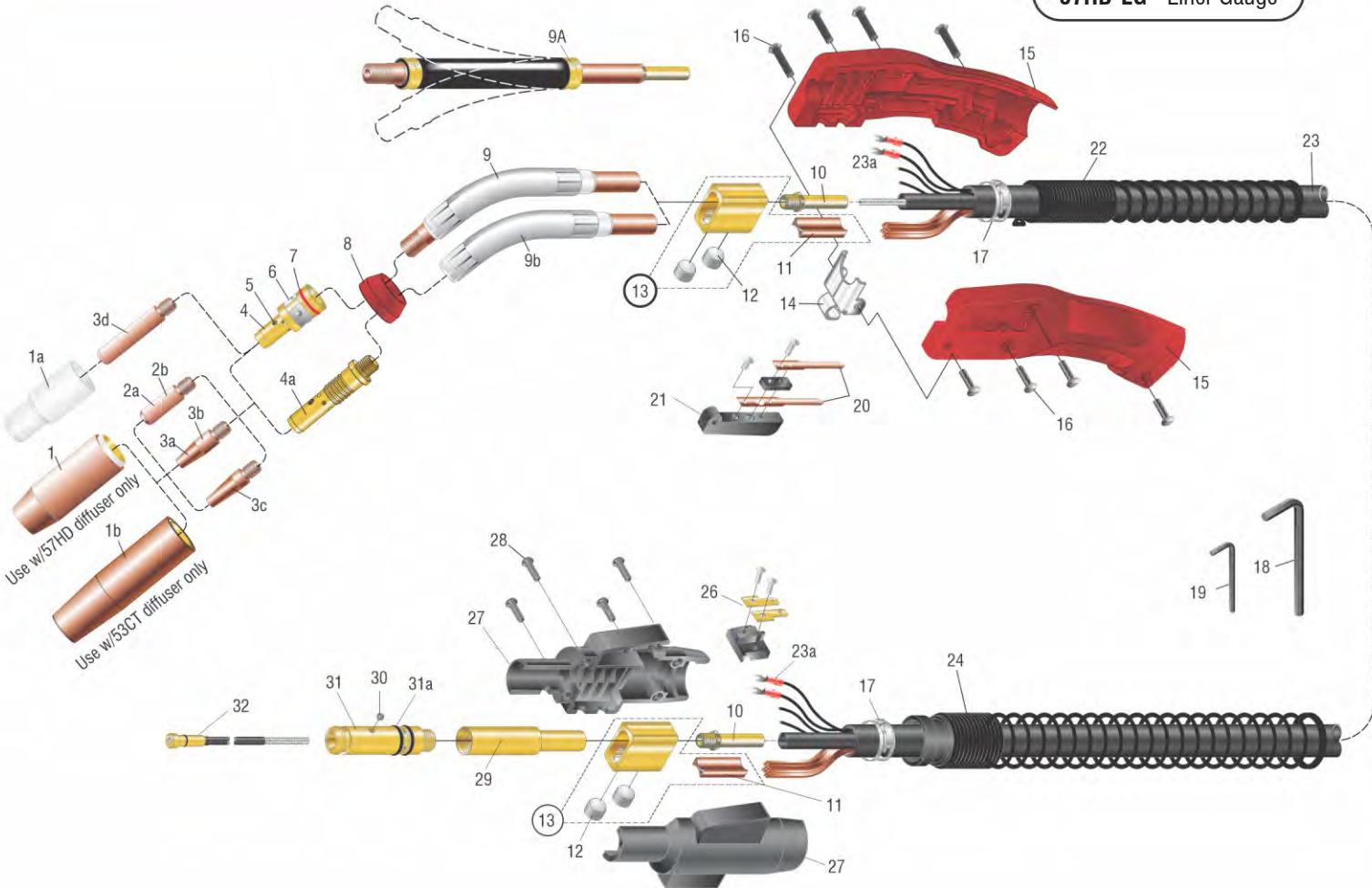
## TO ORDER DIRECT CONNECT MIG GUNS

- Standard - All wire feeders that accept the "PROFAX" rear adapter. e.g. HD400-3545-10
- Lincoln® Direct - Add an **LN** for the standard Lincoln  $\frac{3}{4}$ " dia. rear adapter. e.g. HDLN400-3545-10  
Add an **LP** for the Lincoln Power mig 255. e.g. HDLP400-3545-10
- Miller® Direct - Add an **M**. e.g. HDM400-3545-10  
Euro-Quick - Add an **X**. e.g. HDX400-3545-10

SEE PAGES 74-75 for more details on direct connects  
SEE PAGES 86-87 for list of adapter kits



57HD-LG - Liner Gauge





# Platinum HD400 Amp MIG Gun Parts List

**PROFAX**

400 Amp H.D.  
MIG Gun

| NO. | PROFAX NO. | DESCRIPTION   | NO.  | PROFAX NO.  | DESCRIPTION   |
|-----|------------|---|------|-------------|---|
| 1.  | 27S50      | H.D. nozzle 1/2" (copper)                                     | 4a.  | 53CT        | Gas diffuser  |
|     | 27S62      | H.D. nozzle 5/8" (copper) ( <b>standard</b> )                 | 5.   | 44C         | Set screw for gas diffuser/conduit                            |
|     | 27S75      | H.D. nozzle 3/4" (copper)                                     | 6.   | 240         | Retaining ring  |
|     | 27S50GL    | H.D. nozzle 1/2" (copper) ( <b>use 17SLT series tips</b> )    | 7.   | 260         | O-ring  |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                                     | 8.   | 17SW        | H.D. shock washer   |
|     | 27S75GL    | H.D. nozzle 3/4" (copper)                                     | 9.   | 64A30TJ     | Jacketed gooseneck 30° (optional)                             |
|     | 27T38      | Tapered nozzle 3/8" (brass) ( <b>use 17SLT series tips</b> )  |      | 64A45TJ     | Jacketed gooseneck 45° ( <b>standard</b> )                    |
|     | 27TC38     | Tapered nozzle 3/8" (copper) ( <b>use 17SLT series tips</b> ) |      | 64A60TJ     | Jacketed gooseneck 60° (optional)                             |
|     | 27TC38GL   | Tapered nozzle 3/8" (copper) ( <b>use 17SLT series tips</b> ) |      | 64A180TJ    | Jacketed gooseneck 180° (optional)                            |
|     | 27T50      | Nozzle 1/2" bottle (copper)                                   | 9a.  | TFX-4HD     | Flexible barrel for extreme heat (optional)                   |
|     | 27T50HD    | H.D. nozzle 1/2" bottle (copper)                              | 9b.  | 64CV30J     | Gooseneck 30° (optional)                                      |
|     | 27K50      | M.D. nozzle 1/2" (copper)                                     |      | 64CV45J     | Gooseneck 45° (optional)                                      |
|     | 27K62      | M.D. nozzle 5/8" (copper)                                     |      | 64CV60J     | Gooseneck 60° (optional)                                      |
| 1a. | 39         | Insulator for use w/self-shielded flux core wire only         |      | 64CV180J    | Gooseneck 180° (optional)                                     |
| 1b. | 23CT-37    | Nozzle 3/8" (requires tapered tip)                            | 10.  | 64N         | Nipple  |
|     | 23CT-50    | Nozzle 1/2" (requires tapered tip)                            | 11.  | 114         | Separator   |
|     | 23CT-62    | Nozzle 5/8"   | 12.  | A-532-24    | 9/16"-18 ball point screws                                    |
|     | 23CT-75    | Nozzle 3/4"   | 13.  | 104         | Cable connector block assembly                                |
| 2a. | 17S-30     | Contact tip .030  | 14.  | 154HD       | Hanger  |
|     | 17S-35     | Contact tip .035  | 15.  | 84HD        | Heavy duty handle w/screws                                    |
|     | 17S-40     | Contact tip .040  | 16.  | 122FM-SET   | Binders (4 ea.) and screws (4 ea.) for handle                 |
|     | 17S-45     | Contact tip .045  | 17.  | 134-14      | Clamp (2)   |
|     | 17AS-364   | Contact tip 3/64" aluminum                                    | 18.  | AL-300-25   | 7/32" hex wrench  |
|     | 17S-52     | Contact tip .052  | 19.  | 44-25       | 5/64" hex wrench  |
|     | 17S-116    | Contact tip 1/16"   | 20.  | 92C         | Switch contacts w/screws                                      |
|     | 17AS-116   | Contact tip 1/16" aluminum                                    | 21.  | 92          | Trigger switch assembly                                       |
|     | 17S-564    | Contact tip 5/64"   |      | 92L         | Locking trigger (not shown)                                   |
| 2b. | 16S-30     | Contact tip .030  | 22.  | 144-6S      | Spring strain relief for handle                               |
|     | 16S-35     | Contact tip .035  | 23.  | 400-10      | 10' replacement cable assembly                                |
|     | 16S-40     | Contact tip .040  |      | 400-12      | 12' replacement cable assembly                                |
|     | 16S-45     | Contact tip .045  |      | 400-15      | 15' replacement cable assembly                                |
|     | 16S-52     | Contact tip .052  |      | 400-20      | 20' replacement cable assembly                                |
|     | 16S-116    | Contact tip 1/16"   |      | 400-25      | 25' replacement cable assembly                                |
|     | 16S-564    | Contact tip 5/64"   |      | 400K        | Cable, bulk (per foot)  |
| 3a. | 17ST-30    | Contact tip .030  |      | 400CK       | Cloth wrapped cable, bulk (per foot) for guns longer than 15' |
|     | 17ST-35    | Contact tip .035  | 23a. | 244         | Terminal  |
|     | 17ST-40    | Contact tip .040  | 24.  | R185-S      | spring  |
|     | 17ST-45    | Contact tip .045  | 26.  | 194         | Connector tab assembly  |
|     | 17ST-52    | Contact tip .052  | 27.  | R185-H      | Housing   |
|     | 17ST-116   | Contact tip 1/16"   | 28.  | R185-SC     | Screws for housing (4)  |
|     | 17ST-564   | Contact tip 5/64"   | 29.  | R174-UA     | Standard connector plug w/64N                                 |
| 3b. | 16ST-30    | Contact tip .030  |      | R174-UAG    | Connector plug w/gas hole w/64N                               |
|     | 16ST-35    | Contact tip .035  | 30.  | 44C         | Set screw for conduit 8-32                                    |
|     | 16ST-40    | Contact tip .040  | 31.  | R174-E      | Connector, Esab®  |
|     | 16ST-45    | Contact tip .045  |      | R174-H      | Connector, Hobart®  |
|     | 16ST-52    | Contact tip .052  |      | R174-L      | Connector, Lincoln®   |
|     | 16ST-116   | Contact tip 1/16"   |      | R174-M      | Connector, Miller®  |
|     | 16ST-564   | Contact tip 5/64"   |      | R174-T      | Connector, standard   |
| 3c. | 17SLT-35   | Contact tip .035  | 31a. | 224         | O-ring  |
|     | 17SLT-40   | Contact tip .040  | 32.  | 44-3545-15  | 15' wire conduit assembly .035-.045                           |
|     | 17SLT-45   | Contact tip .045  |      | 44-116-15   | 15' wire conduit assembly .052-1/16"                          |
|     | 17SLT-52   | Contact tip .052  |      | 44-564-15   | 15' wire conduit assembly 5/64"                               |
|     | 17SLT-116  | Contact tip 1/16"   |      | 44-3545-25  | 25' wire conduit assembly .035-.045                           |
|     | 17SLT-564  | Contact tip 5/64"   |      | 44-116-25   | 25' wire conduit assembly .052-1/16"                          |
| 3d. | 18S52      | Contact tip .052  |      | 44-564-25   | 25' wire conduit assembly 5/64"                               |
|     | 18S116     | Contact tip 1/16"   |      | 44N-3545-15 | 15' nylon lined conduit assembly(aluminum).035-.047           |
|     | 18S68      | Contact tip .068-.072   |      | 44N-116-15  | 15' nylon lined conduit assembly(aluminum) 1/16"              |
|     | 18S564     | Contact tip 5/64"   |      | 44TF-116-15 | 15' teflon lined conduit assembly(aluminum) 1/16"             |
| 4.  | 57HD       | Gas diffuser  | 33.  | 57HD-LG     | Gauge for setting liner                                       |

## Regulator/Flowmeter



### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design

| PROFAX NO. | GAS SERVICE                         | CGA INLET |
|------------|-------------------------------------|-----------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       |
| RF1430-320 | CO <sub>2</sub>                     | 320       |



\*Prevents seizing  
when used on  
contact tip, nozzle &  
gas diffuser threads.

| PROFAX NO. | DESCRIPTION                               |
|------------|---|
| JL-4       | Copper coat anti-seize lubricant - 4 oz.  |
| JL-8       | Copper coat anti-seize lubricant - 8 oz.  |
| JL-16      | Copper coat anti-seize lubricant - 16 oz. |



# Platinum 400 Amp Heavy Duty

**PROFAX**

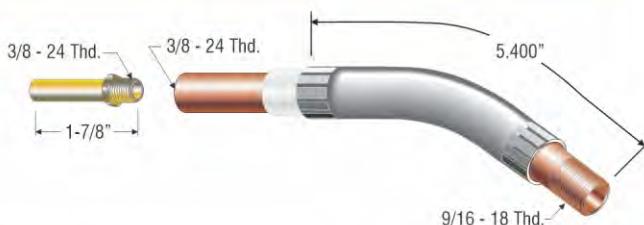
## 400 Amp H.D. MIG Gun

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO. | DESCRIPTION                |  |
|------------|----------------------------|----------|------------|----------------------------|--|
| 17S-30     | Contact tip .030           | .040     | 27T50      | Nozzle 1/2"                |  |
| 17S-35     | Contact tip .035           | .044     | 27T50HD    | H.D. Nozzle 1/2"           |  |
| 17S-40     | Contact tip .040           | .049     | 27K50      | M.D. Nozzle 1/2"           |  |
| 17S-45     | Contact tip .045           | .054     | 27S50      | H.D. Nozzle 1/2"           |  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | 27K62      | M.D. Nozzle 5/8"           |  |
| 17S-52     | Contact tip .052           | .064     | 27S62      | H.D. Nozzle 5/8"           |  |
| 17S-116    | Contact tip 1/16"          | .073     | 27S75      | H.D. Nozzle 3/4"           |  |
| 17AS-116   | Contact tip 1/16" aluminum | .078     | 57HD       | Diffuser                   |  |
| 17S-564    | Contact tip 5/64"          | .093     | 39         | Insulator/Thread Protector |  |
| 17ST-30    | Contact tip .030           | .040     | 17SW       | Shock washer               |  |
| 17ST-35    | Contact tip .035           | .044     | 27T38      | Tapered nozzle 3/8"        |  |
| 17ST-40    | Contact tip .040           | .049     | 27TC38     | Tapered nozzle 3/8"        |  |
| 17ST-45    | Contact tip .045           | .054     | 27TC38GL   | Tapered nozzle 3/8"        |  |
| 17ST-52    | Contact tip .052           | .064     | 27S50GL    | H.D. Nozzle 1/2"           |  |
| 17ST-116   | Contact tip 1/16"          | .073     | 27S62GL    | H.D. Nozzle 5/8"           |  |
| 17ST-564   | Contact tip 5/64"          | .093     | 27S75GL    | H.D. Nozzle 3/4"           |  |
| 17SLT-35   | Contact tip .035           | .044     |            |                            |  |
| 17SLT-40   | Contact tip .040           | .049     |            |                            |  |
| 17SLT-45   | Contact tip .045           | .054     |            |                            |  |
| 17SLT-52   | Contact tip .052           | .064     |            |                            |  |
| 17SLT-116  | Contact tip 1/16"          | .073     |            |                            |  |
| 17SLT-564  | Contact tip 5/64"          | .093     |            |                            |  |
| 16S-30     | Contact tip .030           | .040     |            |                            |  |
| 16S-35     | Contact tip .035           | .044     |            |                            |  |
| 16S-40     | Contact tip .040           | .049     |            |                            |  |
| 16S-45     | Contact tip .045           | .054     |            |                            |  |
| 16S-52     | Contact tip .052           | .064     |            |                            |  |
| 16S-116    | Contact tip 1/16"          | .073     |            |                            |  |
| 16S-564    | Contact tip 5/64"          | .093     |            |                            |  |
| 16ST-30    | Contact tip .030           | .040     |            |                            |  |
| 16ST-35    | Contact tip .035           | .044     |            |                            |  |
| 16ST-40    | Contact tip .040           | .049     |            |                            |  |
| 16ST-45    | Contact tip .045           | .054     |            |                            |  |
| 16ST-52    | Contact tip .052           | .064     |            |                            |  |
| 16ST-116   | Contact tip 1/16"          | .073     |            |                            |  |
| 16ST-564   | Contact tip 5/64"          | .093     |            |                            |  |
| 18S52      | Contact tip .052           | .064     |            |                            |  |
| 18S116     | Contact tip 1/16"          | .073     |            |                            |  |
| 18S68      | Contact tip .068-.072      | .086     |            |                            |  |
| 18S564     | Contact tip 5/64"          | .093     |            |                            |  |



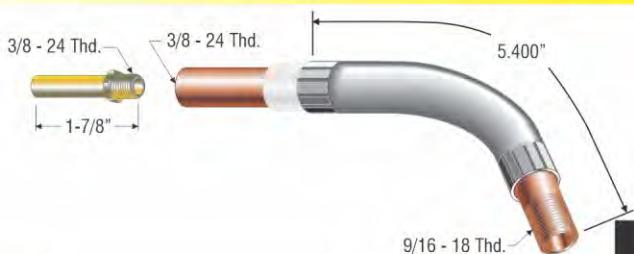
# Platinum 400 Amp Heavy Duty

**PROFAX**



| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 64A30TJ    | Jacketed conductor tube 30° |
| 64N        | Nipple - included           |

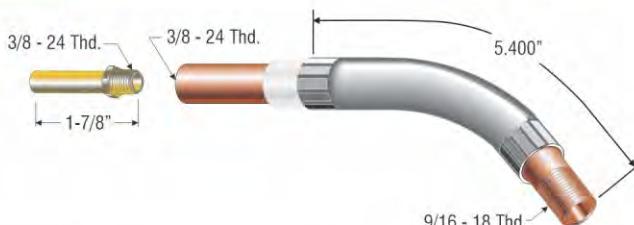
Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 64A60TJ    | Jacketed conductor tube 60° |
| 64N        | Nipple - included           |

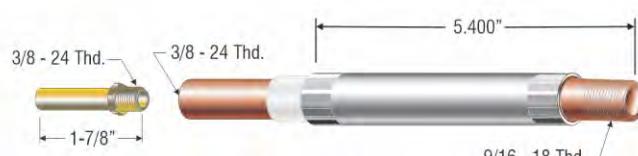
Also available in  
12", 18", and 24"

**MIG Gun**  
**400 Amp H.D.**



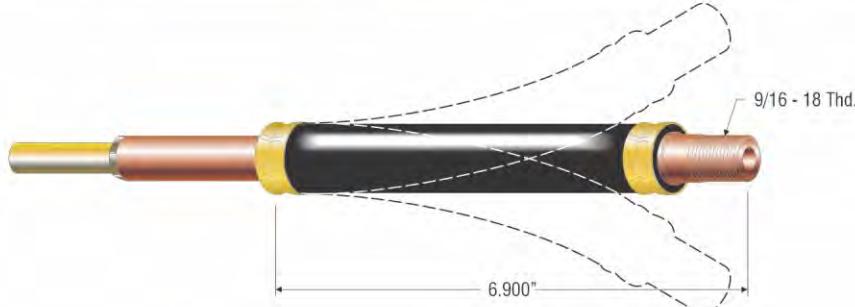
| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 64A45TJ    | Jacketed conductor tube 45° |
| 64N        | Nipple - included           |

Also available in  
12", 18", and 24"

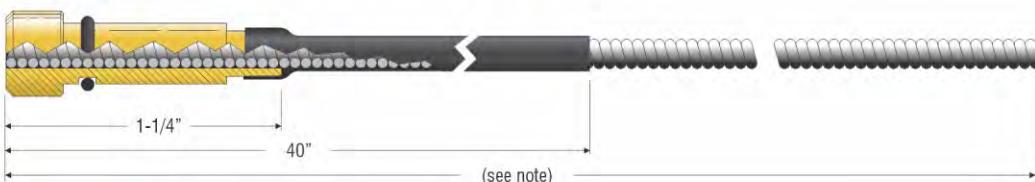


| PROFAX NO. | DESCRIPTION                  |
|------------|------------------------------|
| 64A180TJ   | Jacketed conductor tube 180° |
| 64N        | Nipple - included            |

Also available in  
12", 18", and 24"



| PROFAX NO. | DESCRIPTION  | PROFAX NO.  | DESCRIPTION   | FOR SPECIAL APPLICATIONS THESE TFX-4HD'S ARE AVAILABLE ON REQUEST. |
|------------|--|-------------|---|--|
| TFX-4HD    | PROFAX heavy duty flexible barrel for extreme heat | TFX4HD-12SP | PROFAX flexible barrel 16 $\frac{3}{4}$ " over all length |  |
|            |  | TFX4HD-18SP | PROFAX flexible barrel 22 $\frac{3}{4}$ " over all length |  |
|            |  | TFX4HD-24SP | PROFAX flexible barrel 28 $\frac{3}{4}$ " over all length |  |



Note: 15' wire conduit assembly (16'- 0" o.a.l.)  
25' wire conduit assembly (26'- 0" o.a.l.)

| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44-3545-15  | 15' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-15   | 15' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-15   | 15' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |
| 44N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire | .064 | .187 |
| 44N-116-15  | 15' wire conduit assembly — used with 1/16" diameter aluminum wire      | .090 | .187 |
| 44-3545-25  | 25' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-25   | 25' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-25   | 25' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |



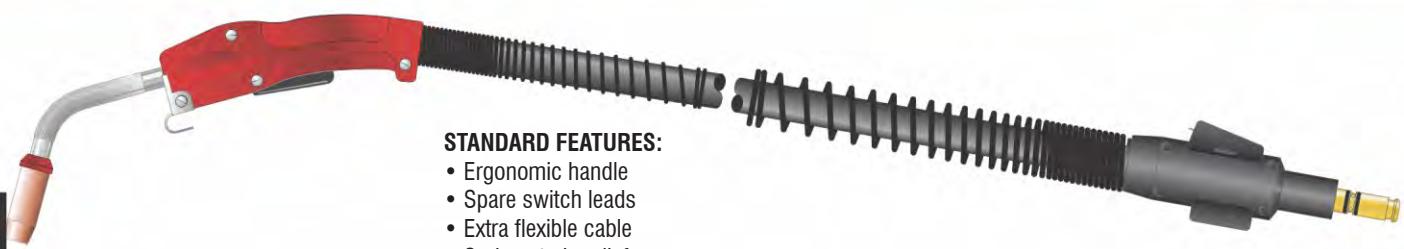
| PROFAX NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44TF-116-15 | 15' teflon conduit assembly — used with 1/16" aluminum wire | .095 | .185 |



# Platinum 450 Amp Heavy Duty

**PROFAX**

450 Amp H.D.  
MIG Gun



## STANDARD FEATURES:

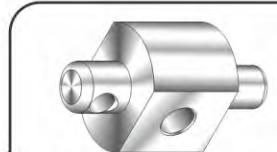
- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAX NO.    | LENGTH | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|
| HD450-3545-10 | 10'    | .035-.045 | HD450-3545-12 | 12'    | .035-.045 | HD450-3545-15 | 15'    | .035-.045 | HD450-3545-20 | 20'    | .035-.045 |
| HD450-052-10  | 10'    | .052      | HD450-052-12  | 12'    | .052      | HD450-052-15  | 15'    | .052      | HD450-052-20  | 20'    | .052      |
| HD450-116-10  | 10'    | 1/16"     | HD450-116-12  | 12'    | 1/16"     | HD450-116-15  | 15'    | 1/16"     | HD450-116-20  | 20'    | 1/16"     |
| HD450-564-10  | 10'    | 5/64"     | HD450-564-12  | 12'    | 5/64"     | HD450-564-15  | 15'    | 5/64"     | HD450-564-20  | 20'    | 5/64"     |
|               |        |           |               |        |           |               |        |           | HD450-3545-25 | 25'    | .035-.045 |
|               |        |           |               |        |           |               |        |           | HD450-052-25  | 25'    | .052      |
|               |        |           |               |        |           |               |        |           | HD450-116-25  | 25'    | 1/16"     |
|               |        |           |               |        |           |               |        |           | HD450-564-25  | 25'    | 5/64"     |

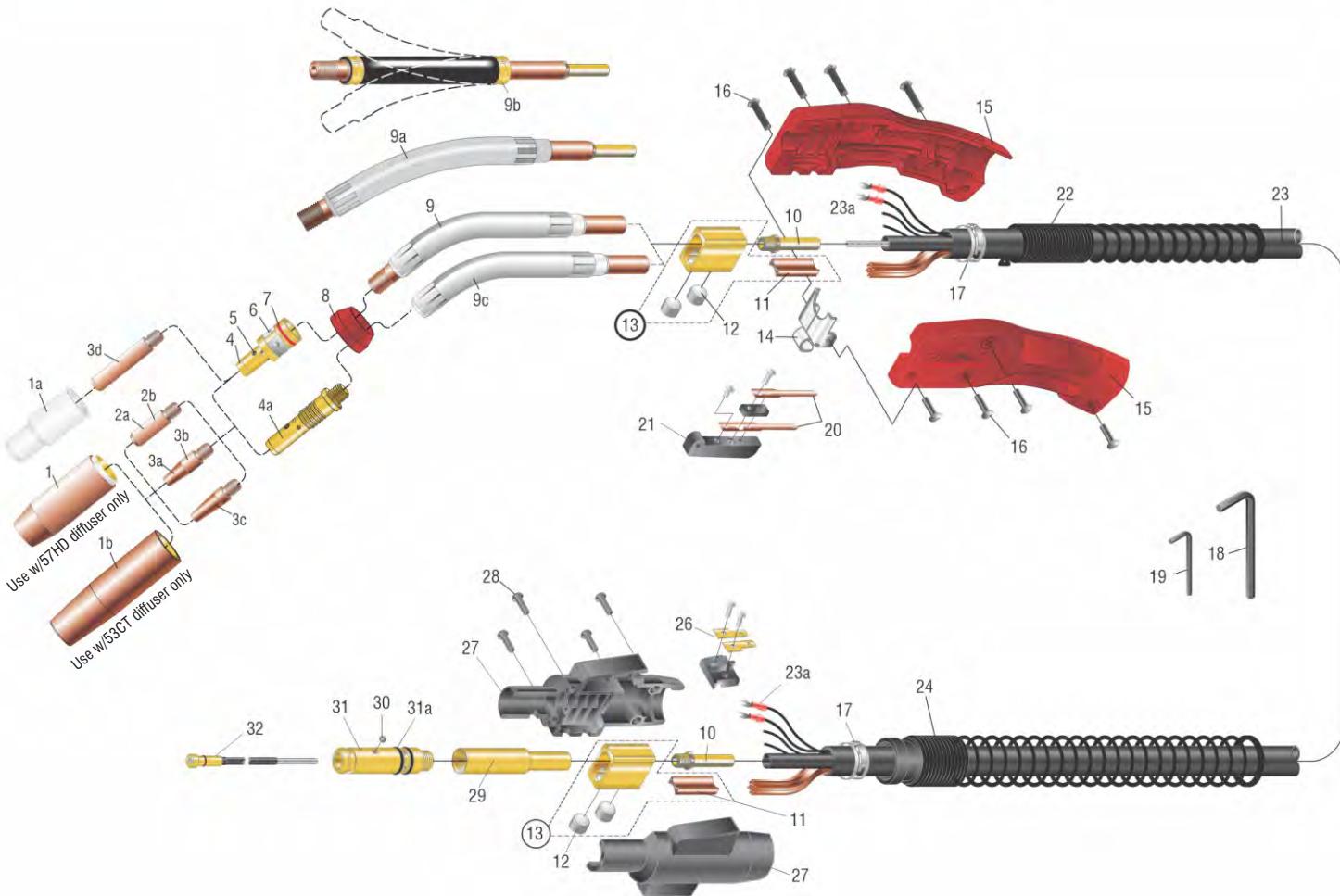
## TO ORDER DIRECT CONNECT MIG GUNS

- Standard - All wire feeders that accept the "PROFAX" rear adapter. e.g. HD450-3545-10  
**Lincoln® Direct** - Add an **LN** for the standard Lincoln 3/4" dia. rear adapter. e.g. HDLN450-3545-10  
 Add an **LP** for the Lincoln Powermig 255. e.g. HDLP450-3545-10  
**Miller® Direct** - Add an **M**. e.g. HDM450-3545-10  
**Euro-Quick** - Add an **X**. e.g. HDX450-3545-10

SEE PAGES 74-75 for more details on direct connects  
 SEE PAGES 86-87 for list of adapter kits



57HD-LG - Liner Gauge





# Platinum HD450 Amp MIG Gun Parts List

**PROFAX**

**MIG Gun**  
**450 Amp H.D.**

| NO. | PROFAX NO. | DESCRIPTION   | NO.         | PROFAX NO.                                   | DESCRIPTION                                 |  |   |
|-----|------------|---|-------------|--|---|--|---|
| 1.  | 27S50      | H.D. nozzle 1/2" (copper)                                   | 4a.         | 53CT   | Gas diffuser                                |  |   |
|     | 27S62      | H.D. nozzle 5/8" (copper) <b>(standard)</b>                 | 5.          | 44C  | Set screw for gas diffuser/conduit          |  |   |
|     | 27S75      | H.D. nozzle 3/4" (copper)                                   | 6.          | 240  | Retaining ring                              |  |   |
|     | 27S50GL    | H.D. nozzle 1/2" (copper) <b>(use 17SLT series tips)</b>    | 7.          | 260  | O-ring                                      |  |   |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                                   | 8.          | 17SW   | H.D. shock washer                           |  |   |
|     | 27S75GL    | H.D. nozzle 3/4" (copper)                                   | 9.          | 64A45-9HDJ                                   | Jacketed gooseneck 45° <b>(standard)</b>    |  |   |
|     | 27T38      | Tapered nozzle 3/8" (brass) <b>(use 17SLT series tips)</b>  | 64A60-9HDJ  | Jacketed gooseneck 60° (optional)            |   |  |   |
|     | 27TC38     | Tapered nozzle 3/8" (copper) <b>(use 17SLT series tips)</b> | 64A180-9HDJ | Jacketed gooseneck 180° (optional)           |   |  |   |
|     | 27T50      | Nozzle 1/2" bottle (copper)                                 | 9a.         | 64A45-4R-9HDJ                                | Jacketed gooseneck 45° (optional)           |  |   |
|     | 27T50HD    | H.D. nozzle 1/2" bottle (copper)                            | 9b.         | TFX-4HD                                      | Flexible barrel for extreme heat (optional) |  |   |
|     | 27K50      | M.D. nozzle 1/2" (copper)                                   | 9c.         | 64CV30-9J                                    | Gooseneck 30° (optional)                    |  |   |
|     | 27K62      | M.D. nozzle 5/8" (copper)                                   | 64CV45-9J   | Gooseneck 45° (optional)                     |   |  |   |
| 1a. | 39         | Insulator for use w/self-shielded flux core wire only       | 64CV60-9J   | Gooseneck 60° (optional)                     |   |  |   |
| 1b. | 23CT-37    | Nozzle 3/8" (requires tapered tip)                          | 64CV180-9J  | Gooseneck 180° (optional)                    |   |  |   |
|     | 23CT-50    | Nozzle 1/2" (requires tapered tip)                          | 10.         | 64N  | Nipple                                      |  |   |
|     | 23CT-62    | Nozzle 5/8"   | 11.         | 114  | Separator                                   |  |   |
|     | 23CT-75    | Nozzle 3/4"   | 12.         | A-532-24                                     | 9/16"-18 ball point screws                  |  |   |
| 2a. | 17S-30     | Contact tip .030  | .040        | Standard contact tip recessed                | 13.   | 104  | Cable connector block assembly                |
|     | 17S-35     | Contact tip .035  | .044        |  | 14.   | 154HD  | Hanger  |
|     | 17S-40     | Contact tip .040  | .049        |  | 15.   | 845HD  | Heavy duty handle w/screws                    |
|     | 17S-45     | Contact tip .045  | .054        |  | 16.   | 122FM-SET  | Binders (4 ea.) and screws (4 ea.) for handle |
|     | 17AS-364   | Contact tip 3/64" aluminum                                  | .060        |  | 17.   | 135-14   | Clamp (2)                                     |
|     | 17S-52     | Contact tip .052  | .064        |  | 18.   | AL-300-25  | 7/32" hex wrench                              |
|     | 17S-116    | Contact tip 1/16"   | .073        |  | 19.   | 44-25  | 5/64" hex wrench                              |
|     | 17AS-116   | Contact tip 1/16" aluminum                                  | .078        |  | 20.   | 92C  | Switch contacts w/screws                      |
|     | 17S-564    | Contact tip 5/64"   | .093        |  | 21.   | 92   | Trigger switch assembly                       |
| 2b. | 16S-30     | Contact tip .030  | .040        | Flush  | 22.   | 144-6S   | Spring strain relief for handle               |
|     | 16S-35     | Contact tip .035  | .044        |  | 23.   | 450-10   | 10' replacement cable assembly                |
|     | 16S-40     | Contact tip .040  | .049        |  | 450-12                                      | 12' replacement cable assembly                       |   |
|     | 16S-45     | Contact tip .045  | .054        |  | 450-15                                      | 15' replacement cable assembly                       |   |
|     | 16S-52     | Contact tip .052  | .064        |  | 450-20                                      | 20' replacement cable assembly                       |   |
|     | 16S-116    | Contact tip 1/16"   | .073        |  | 450-25                                      | 25' replacement cable assembly                       |   |
|     | 16S-564    | Contact tip 5/64"   | .093        |  | 450CK                                       | Cloth wrapped cable, bulk (per foot)                 |   |
| 3a. | 17ST-30    | Contact tip .030  | .040        | Recessed Tapered                             | 23a.  | 244  | Terminal                                      |
|     | 17ST-35    | Contact tip .035  | .044        |  | 24.   | R185-S   | spring  |
|     | 17ST-40    | Contact tip .040  | .049        |  | 26.   | 194  | Connector tab assembly                        |
|     | 17ST-45    | Contact tip .045  | .054        |  | 27.   | R185-H   | Housing                                       |
|     | 17ST-52    | Contact tip .052  | .064        |  | 28.   | R185-SC  | Screws for housing (4)                        |
|     | 17ST-116   | Contact tip 1/16"   | .073        |  | 29.   | R174-UA  | Standard connector plug w/64N                 |
|     | 17ST-564   | Contact tip 5/64"   | .093        |  | R174-UAG                                    | Connector plug w/gas hole w/64N                      |   |
| 3b. | 16ST-30    | Contact tip .030  | .040        | Flush Tapered                                | 30.   | 44C  | Set screw for conduit 8-32                    |
|     | 16ST-35    | Contact tip .035  | .044        |  | 31.   | R174-E   | Connector, Esab®                              |
|     | 16ST-40    | Contact tip .040  | .049        |  | R174-H                                      | Connector, Hobart®                                   |   |
|     | 16ST-45    | Contact tip .045  | .054        |  | R174-L                                      | Connector, Lincoln®                                  |   |
|     | 16ST-52    | Contact tip .052  | .064        |  | R174-M                                      | Connector, Miller®                                   |   |
|     | 16ST-116   | Contact tip 1/16"   | .073        |  | R174-T                                      | Connector, standard                                  |   |
|     | 16ST-564   | Contact tip 5/64"   | .093        |  | 31a.  | 224  | O-ring  |
| 3c. | 17SLT-35   | Contact tip .035  | .044        | Used with 27T38 nozzle Recessed Long Tapered | 32.   | 44-3545-15   | 15' wire conduit assembly .035-.045           |
|     | 17SLT-40   | Contact tip .040  | .049        |  | 44-116-15                                   | 15' wire conduit assembly .052-1/16"                 |   |
|     | 17SLT-45   | Contact tip .045  | .054        |  | 44-564-15                                   | 15' wire conduit assembly 5/64"                      |   |
|     | 17SLT-52   | Contact tip .052  | .064        |  | 44-3545-25                                  | 25' wire conduit assembly .035-.045                  |   |
|     | 17SLT-116  | Contact tip 1/16"   | .073        |  | 44-116-25                                   | 25' wire conduit assembly .052-1/16"                 |   |
|     | 17SLT-564  | Contact tip 5/64"   | .093        |  | 44-564-25                                   | 25' wire conduit assembly 5/64"                      |   |
| 3d. | 18S52      | Contact tip .052  | .064        |  | 44N-3545-15                                 | 15' nylon lined conduit assembly(aluminum) .035-.047 |   |
|     | 18S116     | Contact tip 1/16"   | .073        |  | 44N-116-15                                  | 15' nylon lined conduit assembly(aluminum) 1/16"     |   |
|     | 18S68      | Contact tip .068-.072                                       | .086        |  | 44TF-116-15                                 | 15' teflon lined conduit assembly(aluminum) 1/16"    |   |
|     | 18S564     | Contact tip 5/64"   | .093        |  | 33.   | 57HD-LG  | Gauge for setting liner                       |
| 4.  | 57HD       | Gas diffuser  |             |  |   |  |   |

\*Prevents seizing  
when used on  
contact tip, nozzle &  
gas diffuser threads.



| PROFAX NO. | DESCRIPTION                               |
|------------|---|
| JL-4       | Copper coat anti-seize lubricant - 4 oz.  |
| JL-8       | Copper coat anti-seize lubricant - 8 oz.  |
| JL-16      | Copper coat anti-seize lubricant - 16 oz. |



## Weld Fillet Gage

- 7 Piece Weld Fillet Gage
- Stainless Steel Construction
- Marked in Standard and Metric Units
- For:
  - Checking Fillet Throat Sizes
  - Checking Fillet Leg Size
  - Works on Both Convex and Concave Welds
  - Weld Sizes 1/8" (3.2mm) — 1" (25.4mm)
- Carrying Pouch Included



| PROFAX NO. | DESCRIPTION      |
|------------|------------------|
| WFG        | Weld Fillet Gage |



# Platinum 450 Amp Heavy Duty

**PROFAX**

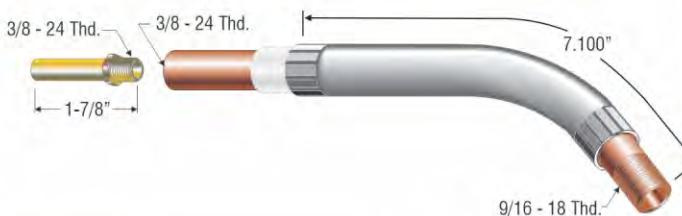
## 450 Amp H.D. MIG Gun

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO.                      | DESCRIPTION         |
|------------|----------------------------|----------|---------------------------------|---------------------|
| 17S-30     | Contact tip .030           | .040     | 27TC38                          | Tapered nozzle 3/8" |
| 17S-35     | Contact tip .035           | .044     |                                 |                     |
| 17S-40     | Contact tip .040           | .049     |                                 |                     |
| 17S-45     | Contact tip .045           | .054     |                                 |                     |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | M8 - 1.25 Thd.                  |                     |
| 17S-52     | Contact tip .052           | .064     | 3/8"                            |                     |
| 17S-116    | Contact tip 1/16"          | .073     | 1.350                           |                     |
| 17AS-116   | Contact tip 1/16" aluminum | .078     |                                 |                     |
| 17S-564    | Contact tip 5/64"          | .093     | *Standard tip shipped with gun. |                     |
| 17ST-30    | Contact tip .030           | .040     | 27T50                           | Nozzle 1/2"         |
| 17ST-35    | Contact tip .035           | .044     |                                 |                     |
| 17ST-40    | Contact tip .040           | .049     |                                 |                     |
| 17ST-45    | Contact tip .045           | .054     |                                 |                     |
| 17ST-52    | Contact tip .052           | .064     |                                 |                     |
| 17ST-116   | Contact tip 1/16"          | .073     |                                 |                     |
| 17ST-564   | Contact tip 5/64"          | .093     |                                 |                     |
| 17SLT-35   | Contact tip .035           | .044     | 27K50                           | H.D. Nozzle 1/2"    |
| 17SLT-40   | Contact tip .040           | .049     |                                 |                     |
| 17SLT-45   | Contact tip .045           | .054     |                                 |                     |
| 17SLT-52   | Contact tip .052           | .064     |                                 |                     |
| 17SLT-116  | Contact tip 1/16"          | .073     |                                 |                     |
| 17SLT-564  | Contact tip 5/64"          | .093     |                                 |                     |
| 16S-30     | Contact tip .030           | .040     | 27S50                           | H.D. Nozzle 1/2"    |
| 16S-35     | Contact tip .035           | .044     |                                 |                     |
| 16S-40     | Contact tip .040           | .049     |                                 |                     |
| 16S-45     | Contact tip .045           | .054     |                                 |                     |
| 16S-52     | Contact tip .052           | .064     |                                 |                     |
| 16S-116    | Contact tip 1/16"          | .073     |                                 |                     |
| 16S-564    | Contact tip 5/64"          | .093     |                                 |                     |
| 16ST-30    | Contact tip .030           | .040     | 27K62                           | M.D. Nozzle 5/8"    |
| 16ST-35    | Contact tip .035           | .044     |                                 |                     |
| 16ST-40    | Contact tip .040           | .049     |                                 |                     |
| 16ST-45    | Contact tip .045           | .054     |                                 |                     |
| 16ST-52    | Contact tip .052           | .064     |                                 |                     |
| 16ST-116   | Contact tip 1/16"          | .073     |                                 |                     |
| 16ST-564   | Contact tip 5/64"          | .093     |                                 |                     |
| 18S52      | Contact tip .052           | .064     | 27S62                           | H.D. Nozzle 5/8"    |
| 18S116     | Contact tip 1/16"          | .073     |                                 |                     |
| 18S68      | Contact tip .068-.072      | .086     |                                 |                     |
| 18S564     | Contact tip 5/64"          | .093     |                                 |                     |
|            |                            |          |                                 |                     |
| 57HD       | Diffuser                   |          | 27S75                           | H.D. Nozzle 3/4"    |
|            |                            |          |                                 |                     |
| 39         | Insulator/Thread Protector |          | 27S50GL                         | H.D. Nozzle 1/2"    |
|            |                            |          |                                 |                     |
| 17SW       | Shock washer               |          | 27S62GL                         | H.D. Nozzle 5/8"    |
|            |                            |          |                                 |                     |
| 27T38      | Tapered nozzle 3/8"        |          | 27S75GL                         | H.D. Nozzle 3/4"    |
|            |                            |          |                                 |                     |



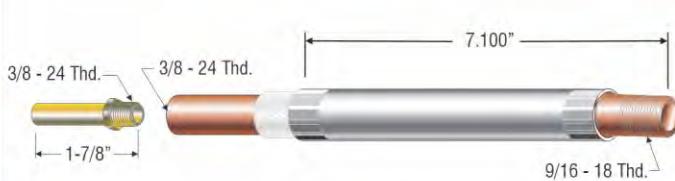
# Platinum 450 Amp Heavy Duty

**PROFAK**



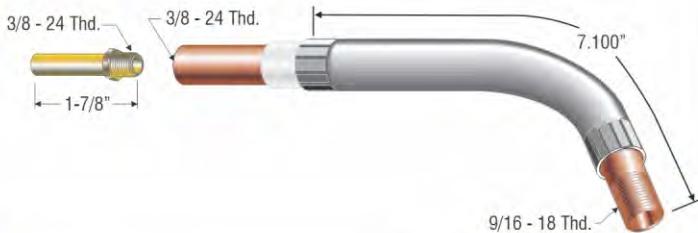
| PROFAK NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 64A45-9HDJ | Jacketed conductor tube 45° |
| 64N        | Nipple - included           |

Also available in  
12", 18", and 24"



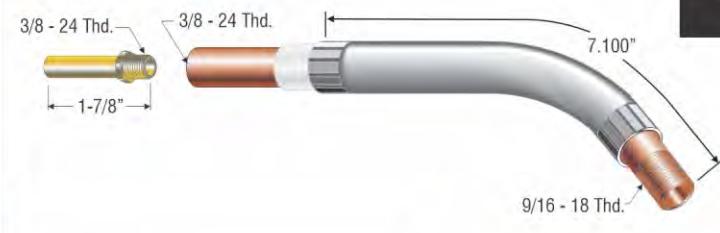
| PROFAK NO.  | DESCRIPTION                  |
|-------------|------------------------------|
| 64A180-9HDJ | Jacketed conductor tube 180° |
| 64N         | Nipple - included            |

Also available in  
12", 18", and 24"



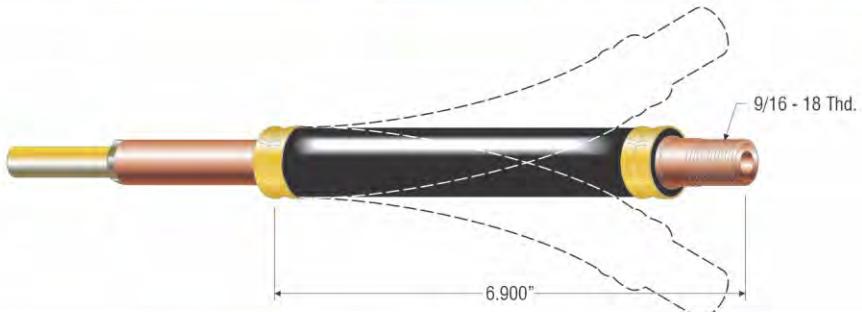
| PROFAK NO. | DESCRIPTION                 |
|------------|-----------------------------|
| 64A60-9HDJ | Jacketed conductor tube 60° |
| 64N        | Nipple - included           |

Also available in  
12", 18", and 24"



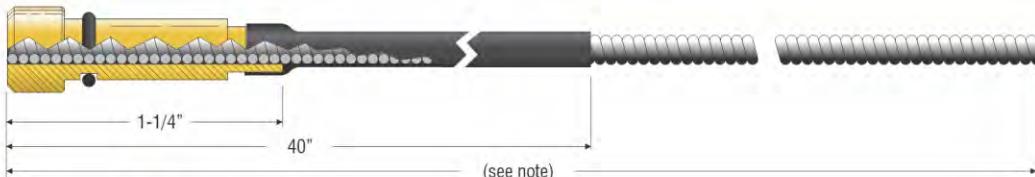
| PROFAK NO.    | DESCRIPTION                 |
|---------------|-----------------------------|
| 64A45-4R-9HDJ | Jacketed conductor tube 45° |
| 64N           | Nipple - included           |

Also available in  
12", 18", and 24"



| PROFAK NO. | DESCRIPTION  | PROFAK NO.  | DESCRIPTION   |
|------------|--|-------------|---|
| TFX-4HD    | PROFAK heavy duty flexible barrel for extreme heat | TFX4HD-12SP | PROFAK flexible barrel 16 $\frac{3}{4}$ " over all length |
|            |  | TFX4HD-18SP | PROFAK flexible barrel 22 $\frac{3}{4}$ " over all length |
|            |  | TFX4HD-24SP | PROFAK flexible barrel 28 $\frac{3}{4}$ " over all length |

FOR SPECIAL APPLICATIONS THESE  
TFX-4HD'S ARE AVAILABLE ON REQUEST.



Note: 15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)

| PROFAK NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44-3545-15  | 15' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-15   | 15' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-15   | 15' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |
| 44N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire | .064 | .187 |
| 44N-116-15  | 15' wire conduit assembly — used with 1/16" diameter aluminum wire      | .090 | .187 |
| 44-3545-25  | 25' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| 44-116-25   | 25' wire conduit assembly — used with .052-1/16" diameter wire          | .078 | .187 |
| 44-564-25   | 25' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |



| PROFAK NO.  | DESCRIPTION   | I.D. | O.D. |
|-------------|---|------|------|
| 44TF-116-15 | 15' teflon conduit assembly — used with 1/16" aluminum wire | .095 | .185 |

**450 Amp H.D.**  
**MIG Gun**



Direct Connects All **Platinum** 400 & 450 Amp MIG Guns **PROFAX**

400 & 450 MIG Gun  
Direct Connects

The following direct connects are available by placing the letters shown below before the gun package number.  
Example: add an "M" to 400-3545-10; eg M400-3545-10 is now a Miller® direct connect gun.

**E-Estab®(L-Tec/Linde):** All wire feeders with the MT200/400 Linde MIG gun adapter installed.



**H-Hobart®:** Betamig 200, 250 and 251.



**LN-Lincoln®:** LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also LN10, DH10, & STT10 with K1500-1 installed.

**Note:** For **LN-25 Pro** Order Gun with standard **PROFAX** back end and LAK 354 installed



**LP-Lincoln®:** Powermig 200, 210, 215XT, 216, 225, 255, 255C, 256, 300 and 350MP



**M-Miller®:** S21E, S22A, S32, Super 32, Extreme 12VS, and all 50, 60, 72, and 74 series feeders. 8VS, 12RC and 12VS, R115. Millermatic® 300 & 350



**X-Euro-Quick:** Equipment

Systems I, Universal, Mity 4.

Esab®: Mig 2E, Mig 4HD, Mig 4AF, Migmaster 250, 251, 252 and 300I, and Mobilmaster.

Powcon®: PD10, PD20 & PD30.

PROFAX: Pro IIx and Pro IVx.





Direct Connects All **Platinum 400 & 450 Amp MIG Guns** **PROFAX**

\*For adapter kits for other style feeders see page 86.

## Direct Mount Conversion Kits Used for converting an existing gun to a different wire feeder.

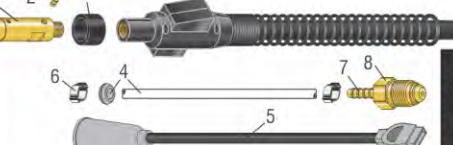
**Standard: TAK-400**



**Miller®: MAK-400**



**Lincoln®: LAK-400**



**400 & 450 MIG Gun  
Conversion Kits**

| NO. | PROFAX NO. | DESCRIPTION                 |
|-----|------------|-----------------------------|
| 1.  | R174-T     | Connector - standard PROFAX |
| 2.  | AK-354     | Control cord                |

| NO. | PROFAX NO. | DESCRIPTION                   |
|-----|------------|-------------------------------|
| 1.  | R174M-N    | Nipple for Miller® connection |
| 2.  | R174-M     | Connector for Miller®         |
| 3.  | R174M-R    | Insulator                     |
| 4.  | MSAK-354   | Control cord                  |

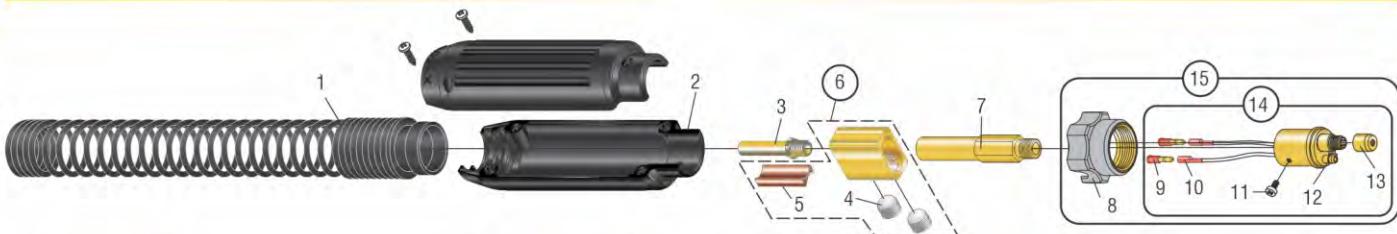
| NO. | PROFAX NO. | DESCRIPTION            |
|-----|------------|------------------------|
| 1.  | R174-LC    | Connector for Lincoln® |
| 2.  | 35-170-5   | Gas nipple             |
| 3.  | R174M-R    | Insulator              |
| 4.  | MSAK-353   | Gas hose w/grommet     |
| 5.  | LAK-354    | Control cord           |
| 6.  | AK-353-2A  | Gas hose clamp (2)     |
| 7.  | 1245       | Gland                  |
| 8.  | 1255       | Nut                    |

| EAK-400 | Esab® (L-Tec/Linde): All wire feeders with the MT200/400 Linde MIG gun adapter installed.   |
|---------|---|
| LAK-400 | Lincoln®: LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also LN 10, DH10, & STT10 with K1500-1 installed.   |
| MAK-400 | Miller®: Millermatic 200, 250, 250x, 251, 300 and Vintage. S21E, S22A, S32, Super 32, Extreme 12US, and all 50, 60, 72, and 74 series feeders. 8VS, 12RC and 12VS, R115 Hobart®: Betamig 2510 and Olympic VS. |

**TAK-400**

Hobart® series 2000, 2200, 2210, 2400, 2410, Heavy Duty, Model 17, Hefty, Mijit 17, Portafeed 17, Portawire 17, Portafeed 1000, Ultrafeed 1000, Extreme 12US, Thermal Arc® TA-3, TAF-2, TAF-4 & Viking 250. Profax Pro II, Pro IV, Lincoln® Wirematic 250 & 255 and LN 10, DH10, & STT10 with K1500-2 installed.

## Euro-Quick End for All Platinum 400 & 450 Amp MIG Guns



| NO. | PROFAX NO. | DESCRIPTION                    | NO. | PROFAX NO. | DESCRIPTION             | NO. | PROFAX NO. | DESCRIPTION                                 |
|-----|------------|--------------------------------|-----|------------|-------------------------|-----|------------|---|
| 1.  | R185-S     | Spring                         | 7.  | 140-UA     | Euro connector          | 13. | 174EX-1C   | Conduit nut                                 |
| 2.  | 2545-3     | Cable support                  | 8.  | 2545-4     | Machine Nut             | 14. | 2545       | Euro-Quick connector assembly               |
| 3.  | 64N        | Nipple                         | 9.  | 2545-6     | Trigger connection male | 15. | 2545-C     | Euro-Quick connector assembly w/machine nut |
| 4.  | A-532-24   | 9/16"-18 ball point screw      | 10. | 35-350-1   | Butt connector          |     |            |   |
| 5.  | 114        | Separator                      | 11. | 2-MS       | Metric screw            |     |            |   |
| 6.  | 104        | Cable connector block assembly | 12. | 35-40-1    | O-ring                  |     |            |   |

## Regulator/Flowmeter

### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design



## High Quality Multi-Purpose 8 Way Mig Plier

Plier is packaged on display card.



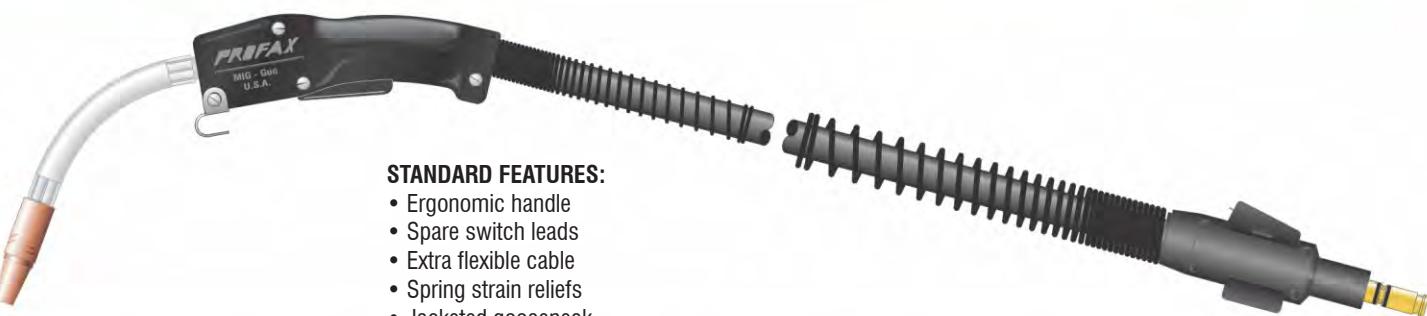
| PROFAX NO. | GAS SERVICE                         | CGA INLET | PROFAX NO. | DESCRIPTION     |
|------------|-------------------------------------|-----------|------------|-----------------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       | 8WMP       | 8 Way MIG Plier |
| RF1430-320 | CO <sub>2</sub>                     | 320       |            |                 |



# Platinum 500 Amp MIG Gun

**PROFAK**

Platinum 500  
Amp MIG Gun



## STANDARD FEATURES:

- Ergonomic handle
- Spare switch leads
- Extra flexible cable
- Spring strain reliefs
- Jacketed gooseneck

| PROFAK NO.  | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 500-3545-10 | 10'    | .035-.045 | 500-3545-12 | 12'    | .035-.045 | 500-3545-15 | 15'    | .035-.045 | 500-3545-20 | 20'    | .035-.045 |
| 500-052-10  | 10'    | .052      | 500-052-12  | 12'    | .052      | 500-052-15  | 15'    | .052      | 500-052-20  | 20'    | .052      |
| 500-116-10  | 10'    | 1/16"     | 500-116-12  | 12'    | 1/16"     | 500-116-15  | 15'    | 1/16"     | 500-116-20  | 20'    | 1/16"     |
| 500-564-10  | 10'    | 5/64"     | 500-564-12  | 12'    | 5/64"     | 500-564-15  | 15'    | 5/64"     | 500-564-20  | 20'    | 5/64"     |
| 500-332-10  | 10'    | 3/32"     | 500-332-12  | 12'    | 3/32"     | 500-332-15  | 15'    | 3/32"     | 500-3545-25 | 25'    | .035-.045 |
| 500-764-10  | 10'    | 7/64"     | 500-764-12  | 12'    | 7/64"     | 500-764-15  | 15'    | 7/64"     | 500-052-25  | 25'    | .052      |
|             |        |           |             |        |           |             |        |           | 500-116-25  | 25'    | 1/16"     |
|             |        |           |             |        |           |             |        |           | 500-564-25  | 25'    | 5/64"     |

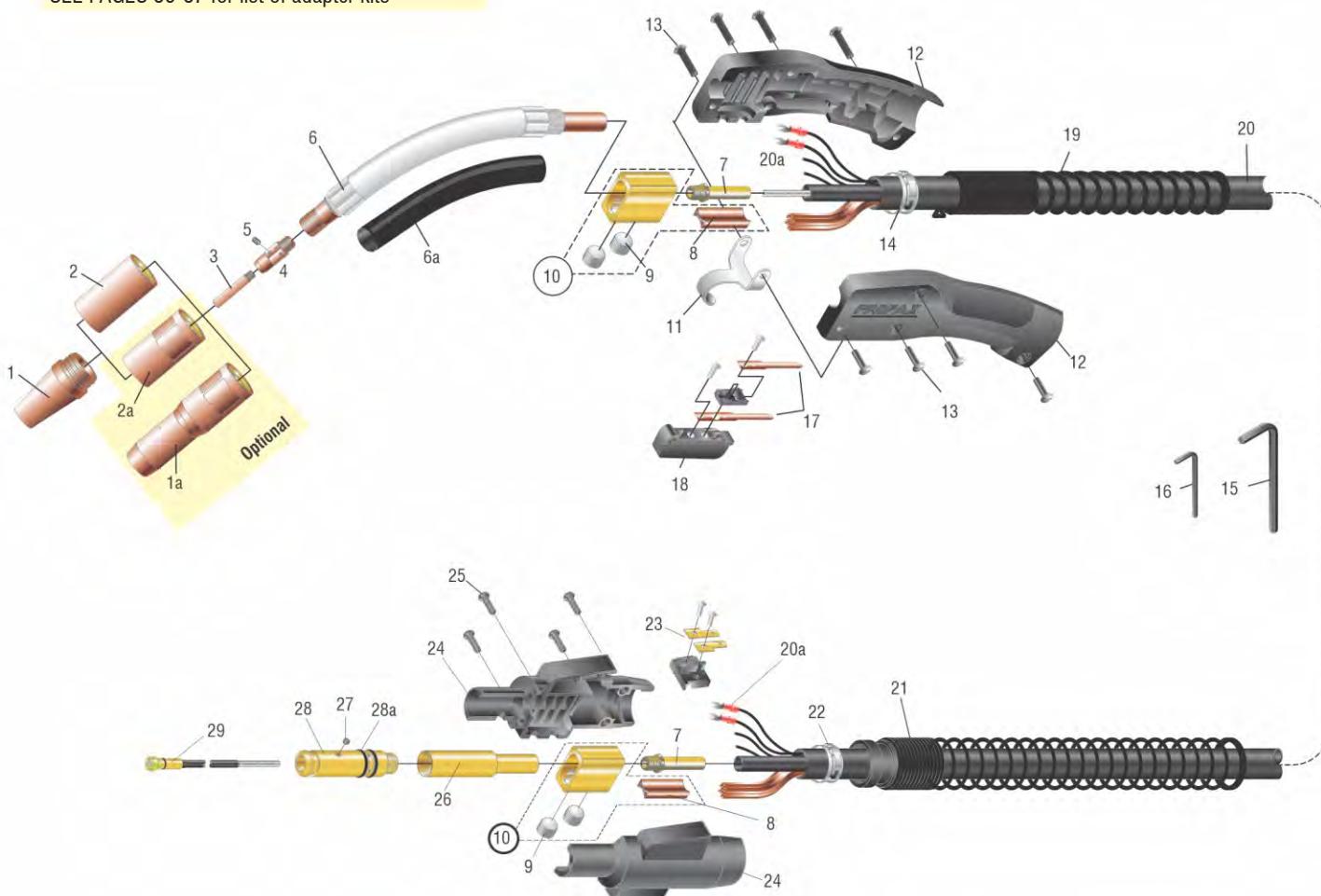
## TO ORDER DIRECT CONNECT MIG GUNS

**Lincoln® Direct** - Add an **LN** e.g. **LN500-3545-15**

**Miller® Direct** - Add an **M**. e.g. **M500-3545-15**

SEE PAGES 79 for more details on direct connects.

SEE PAGES 86-87 for list of adapter kits





# Platinum 500 Amp MIG Gun Parts List

**PROFAX**

| NO. | PROFAX NO. | DESCRIPTION   | NO.                 | PROFAX NO. | DESCRIPTION                                   |                                     |
|-----|------------|---|---------------------|------------|---|-------------------------------------|
| 1.  | 25CT-50    | Nozzle 1/2", coarse thread                                | 8.                  | 114        | Separator                                     |                                     |
|     | 25CT-62    | Nozzle 5/8", coarse thread ( <b>standard</b> )            | 9.                  | A-532-24   | 9/16-18 ball point screws                     |                                     |
|     | 25CT-75    | Nozzle 3/4", coarse thread                                | 10.                 | 104        | Cable connector block assembly                |                                     |
| 1a. | 25I-62     | Nozzle 5/8", self insulated                               | 11.                 | 155HD      | Hanger  |                                     |
|     | 25I-75     | Nozzle 3/4", self insulated                               | 12.                 | 85         | Handle w/binder screws                        |                                     |
| 2.  | 35CT       | Insulator, use w/coarse thread nozzle ( <b>standard</b> ) | 13.                 | 124FM-SET  | Binders (4 ea.) and screws (4 ea.) for handle |                                     |
| 2a. | 35CT-HT    | Insulator, high temp                                      | 14.                 | 134-15     | Clamp - handle                                |                                     |
| 3.  | 15H35      | Contact tip .035  | Standard tip series | 15.        | AL-300-25                                     | 7/32" hex wrench                    |
|     | 15H45      | Contact tip .045  |                     | 16.        | 44-25   | 5/64" hex wrench                    |
|     | 15H52      | Contact tip .052  |                     | 17.        | 94C   | Switch contacts w/screws            |
|     | 15H116     | Contact tip 1/16"   |                     | 18.        | 94R   | Trigger switch assembly             |
|     | 15H564     | Contact tip 5/64"   |                     | 94L        | Locking trigger (not shown)                   |                                     |
|     | 15H332     | Contact tip 3/32"   |                     | 19.        | 145-6S  | Spring strain relief                |
|     | 15H764     | Contact tip 7/64"   |                     | 20.        | 500-10  | 10' replacement cable assembly      |
|     | 15AH364    | Contact tip 3/64" (for aluminum)                          |                     | 500-12     | 12' replacement cable assembly                |                                     |
|     | 15AH116    | Contact tip 1/16" (for aluminum)                          |                     | 500-15     | 15' replacement cable assembly                |                                     |
|     | 15HFC35    | Contact tip .035, flux cored                              |                     | 500-20     | 20' replacement cable assembly                |                                     |
|     | 15HFC45    | Contact tip .045, flux cored                              |                     | 500-25     | 25' replacement cable assembly                |                                     |
|     | 15HFC52    | Contact tip .052, flux cored                              |                     | 500CK      | Cloth wrapped cable, bulk (per foot)          |                                     |
|     | 15HFC116   | Contact tip 1/16", flux cored                             |                     | 20a.       | 244   | Terminal                            |
|     | 15HFC564   | Contact tip 5/64", flux cored                             |                     | 21.        | R185-S  | Spring                              |
|     | 15HFC332   | Contact tip 3/32", flux cored                             |                     | 22.        | 134-15  | Clamp - connector block             |
|     | 15HFC764   | Contact tip 7/64", flux cored                             |                     | 23.        | 194   | Connector tab assembly              |
|     | 15AHFC364  | Contact tip 3/64", flux cored (for aluminum)              |                     | 24.        | R185-H  | Housing                             |
|     | 15AHFC116  | Contact tip 1/16", flux cored (for aluminum)              |                     | 25.        | R185-SC                                       | Screws for housing (4)              |
| 4.  | 55         | Gas diffuser (use w/45-564 & 45N-116)                     |                     | 26.        | R175-UA                                       | Standard connector plug w/65N       |
|     | 55SW       | Gas diffuser (use w/45-3545, 45-116, 45N-3545)            |                     | R175-UAG   | Connector plug with gas hole w/65N            |                                     |
|     | 55H        | Gas diffuser (use w/45H-332, & 45H-764)                   |                     | 27.        | 44C   | Set screw for conduit 8-32          |
| 5.  | 44C        | Set screw for gas diffuser/conduit                        |                     | 28.        | R175-L  | Connector, Lincoln®                 |
| 6.  | 65-22J     | Jacketed conductor tube 22°                               |                     | R175-M     | Connector, Miller® (with R175M-N nipple)      |                                     |
|     | 65-45J     | Jacketed conductor tube 45°                               |                     | R175-T     | Connector, standard                           |                                     |
|     | 65-60J     | Jacketed conductor tube 60° ( <b>standard</b> )           |                     | 28a.       | 225   | O-ring                              |
|     | 65-60-3RJ  | Jacketed conductor tube 60°, 3" radius                    |                     | 29.        | 45-3545-15                                    | 15' wire conduit assembly .035-.045 |
|     | 65-180J    | Jacketed conductor tube 180°                              |                     | 45-116-15  | 15' wire conduit assembly .052-1/16"          |                                     |
|     | 65-45      | Conductor tube 45°  |                     | 45-564-15  | 15' wire conduit assembly 5/64"               |                                     |
|     | 65-60      | Conductor tube 60°  |                     | 45H-332-15 | 15' wire conduit assembly 3/32"               |                                     |
|     | 65-60-3R   | Conductor tube 60°, 3" radius                             |                     | 45H-764-15 | 15' wire conduit assembly 7/64"               |                                     |
|     | 65-80      | Conductor tube 80°  |                     | 45-3545-25 | 25' wire conduit assembly .035-.045           |                                     |
|     | 65-180     | Conductor tube 180°                                       |                     | 45-116-25  | 25' wire conduit assembly .052-1/16"          |                                     |
| 6a. | 75         | Replacement neoprene insulator                            |                     | 45-564-25  | 25' wire conduit assembly 5/64"               |                                     |
| 7.  | 65N        | Nipple  |                     |            |   |                                     |

Platinum 500  
Amp MIG Gun

## CO<sub>2</sub> Heated Regulator/FlowGauge



### SPECIFICATIONS:

- 120V AC/190 watt
- 0 - 125 CFH flow-rate

### High volume CO<sub>2</sub> Regulator FlowGauge with built in heater.

- Prevents regulator freeze-up
- Extends regulator/FlowGauge life
- Eliminates porosity in welds due to loss of gas coverage

Also Available In 240V AC 50/60hz.

| PROFAX NO. | GAS SERVICE     | CGA INLET | PROFAX NO. | GAS SERVICE     | CGA INLET |
|------------|-----------------|-----------|------------|-----------------|-----------|
| RFG-320-H  | CO <sub>2</sub> | 320       | CO2 HEATER | CO <sub>2</sub> | 320       |

## CO<sub>2</sub> Heaters



Thermostat set at  
174° F - 205° F

### 120V AC 50/60hz 100 Watt

The most ECONOMICAL Thermostatic controlled CO<sub>2</sub> Heater, designed to prevent CO<sub>2</sub> regulator Freeze-Up. Extends life of regulator/flowmeter and prevents porosity in welds from loss of shield gas in frozen regulator. Easily installed between CO<sub>2</sub> cylinder valve and flowmeter.

Also Available In 240V AC 50/60hz.



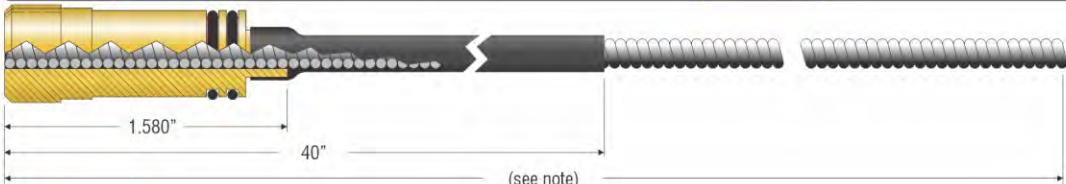
## **Platinum 500 Amp MIG Gun**

**PROFAX**

## Platinum 500 Amp MIG Gun

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                          |
|-------------------|---|
| 65-45             | Conductor tube 45°                          |
| 65-60             | Conductor tube 60°                          |
| 65-80             | Conductor tube 80°                          |
| 65-180            | Conductor tube 180°                         |
| 65-60-3R          | Conductor tube 3" radius 60°, 5.700" length |
| 65N               | Nipple - included                           |

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                                   |
|-------------------|--|
| 65-22J            | Jacketed conductor tube 22°                          |
| 65-45J            | Jacketed conductor tube 45°                          |
| 65-60J            | Jacketed conductor tube 60°                          |
| 65-80J            | Jacketed conductor tube 80°                          |
| 65-180J           | Jacketed conductor tube 180°                         |
| 65-60-3RJ         | Jacketed conductor tube 3" radius 60°, 5.700" length |
| 65N               | Nipple - included                                    |



**Note:**  
15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)

| PROFAX NO. | DESCRIPTION  | I.D. | O.D. |
|------------|--|------|------|
| 45-3545-15 | 15' wire conduit assembly — used with .035-.045 diameter wire  | .067 | .187 |
| 45-116-15  | 15' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .187 |
| 45-564-15  | 15' wire conduit assembly — used with 5/64" diameter wire      | .105 | .237 |
| 45H-332-15 | 15' wire conduit assembly — used with 3/32" diameter wire      | .125 | .267 |
| 45H-764-15 | 15' wire conduit assembly — used with 7/64" diameter wire      | .135 | .267 |
| 45-3545-25 | 25' wire conduit assembly — used with .035-.045 diameter wire  | .067 | .187 |
| 45-116-25  | 25' wire conduit assembly — used with .052-1/16" diameter wire | .078 | .187 |
| 45-564-25  | 25' wire conduit assembly — used with 5/64" diameter wire      | .105 | .237 |



# Platinum Series 500 Amp MIG Gun

## Direct Connects & Direct Mount Conversion Kits

**PROFAX**

The following direct connects are available by placing the letters shown below before the gun package number.  
Example: add an "M" to 500-3545-10; eg M500-3545-10 is now a Miller® direct connect gun.

### Direct Connects

**LN-Lincoln®:** LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also LN10, DH10, & STT10 with K1500-1 installed.



500 Amp MIG Gun  
Direct Connects

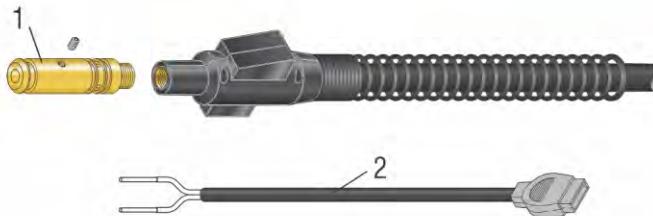
**M-Miller®:** 8VS, 12RC and 12VS, R115, S21E, S22A, S32, Super 32, and all 50, 60, 72, and 74 series feeders.



### Direct Mount Conversion Kits

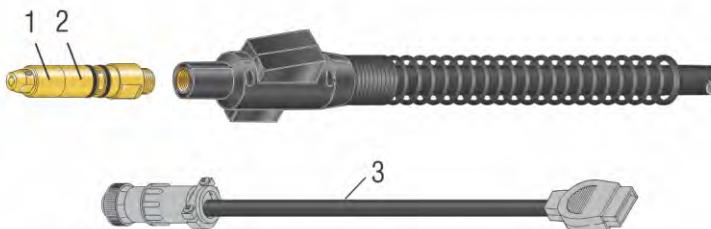
Standard: TAK-500

| NO. | PROFAX NO. | DESCRIPTION                 |
|-----|------------|-----------------------------|
| 1.  | R175-T     | Connector - Standard PROFAX |
| 2.  | AK-354     | Control cord                |



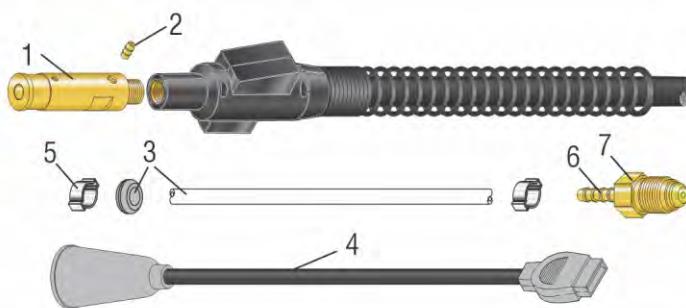
### Miller®: MAK-500

| NO. | PROFAX NO. | DESCRIPTION                   |
|-----|------------|-------------------------------|
| 1.  | R175M-N    | Nipple for Miller® connection |
| 2.  | R175-M     | Connector for Miller®         |
| 3.  | MSAK-354   | Control cord                  |



### Lincoln®: LAK-500

| NO. | PROFAX NO. | DESCRIPTION            |
|-----|------------|------------------------|
| 1.  | R175-LC    | Connector for Lincoln® |
| 2.  | 35-170-5   | Gas nipple             |
| 3.  | MSAK-353   | Gas hose w/grommet     |
| 4.  | LAK-354    | Control cord           |
| 5.  | AK-353-2A  | Gas hose clamp (2)     |
| 6.  | 1245       | Gland                  |
| 7.  | 1255       | Nut                    |



Conversion kits to convert the 500 amp MIG gun to direct mount.  
Includes connector plug, electrical cord w/plug, and gas hose (If required).

TAK-500 **Lincoln®:** LN10, DH10, & STT10 w/O.E.M. K1500-3 Installed. (Requires LAK-354)

MAK-500 **Miller®:** S21E, S22A, S32, Super 32, and all 50, 60, 72, and 74 series feeders.

LAK-500 **Lincoln®:** LN7, LN8, LN9, LN25, LN742, and Synergic 7. Also Lincoln® LN10, DH10, & STT10 w/O.E.M. K1500-1 installed.



## 400 Amp AMT Machine Torch

**PROFAX**

### Standard Features

- Totally rebuildable
- Economical replacement components
- 1-3/8" torch barrel diameter
- Wide variety of wire sizes
- Extra flexible cable
- Adapter kits available for most wire feeders
- Optional remote start control available
- \*Special length guns available on request.

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 64AMT-174  | 400 amp body w/plug<br>(for use with 12" units)            |
| 64SAMT-174 | 400 amp short body w/plug<br>(for use with 8-3/4" units)   |
| 64AMTN     | 400 amp body w/nipple<br>(for use w/cable hose type units) |
| 64SAMTN    | 400 amp short body w/nipple                                |

### 400 Amp AMT Machine Torch

#### DESCRIPTION

The 400 Amp AMT Machine Torch available in 2', 4', 6', 8', 10', 12', 15', 20', and 25' cable assemblies and is capable of running .035 through 5/64" wire. Direct mount guns available upon request for most manufacturer's feeders. See next page.

Optional remote start switch (see next page)

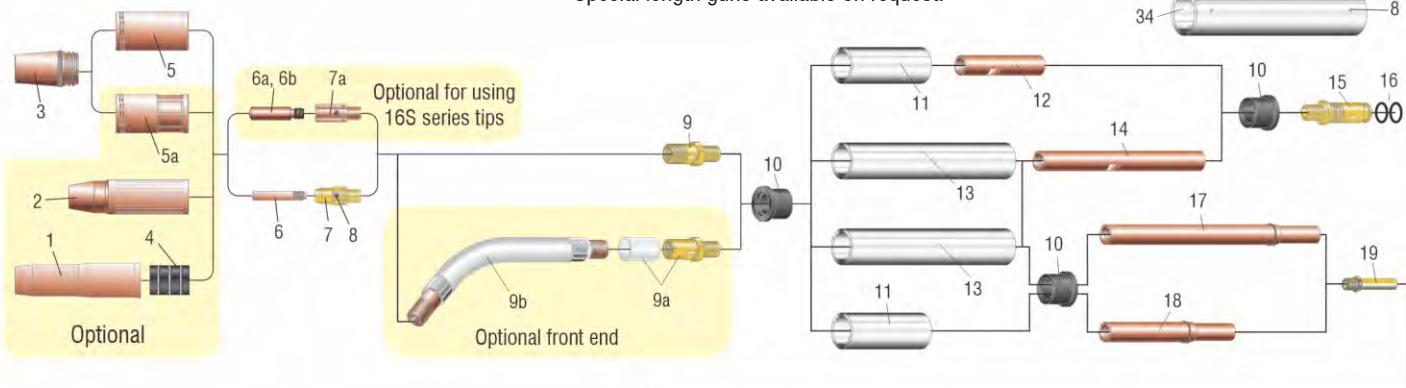
Standard AMT Torch



#### Complete 400 Amp AMT Machine Torch Packages

| 2'            | 4'            | 6'            | 8'            | 10'            | 12'            | 15'            | 20'            | 25'            |
|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| AMT400-3545-2 | AMT400-3545-4 | AMT400-3545-6 | AMT400-3545-8 | AMT400-3545-10 | AMT400-3545-12 | AMT400-3545-15 | AMT400-3545-20 | AMT400-3545-25 |
| AMT400-116-2  | AMT400-116-4  | AMT400-116-6  | AMT400-116-8  | AMT400-116-10  | AMT400-116-12  | AMT400-116-15  | AMT400-116-20  | AMT400-116-25  |
| AMT400-564-2  | AMT400-564-4  | AMT400-564-6  | AMT400-564-8  | AMT400-564-10  | AMT400-564-12  | AMT400-564-15  | AMT400-564-20  | ---            |

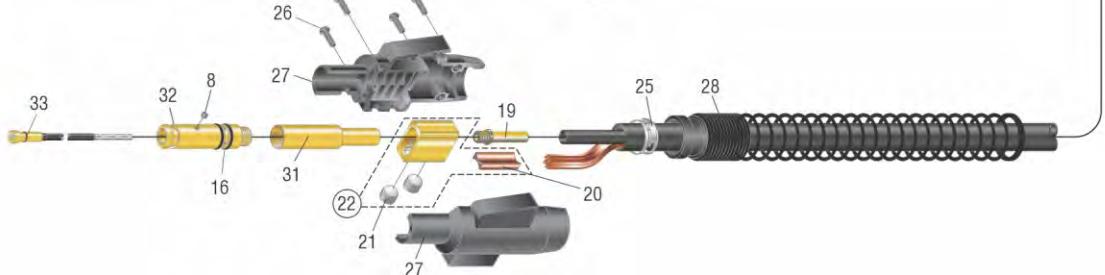
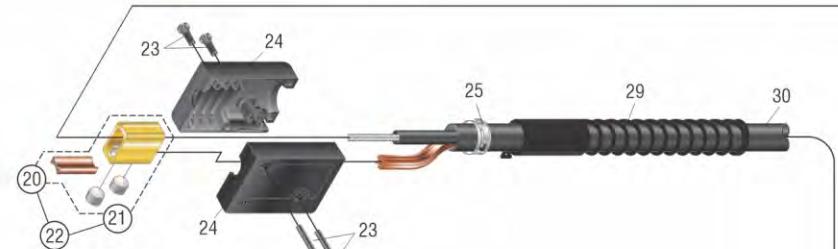
\*Special length guns available on request.



AL-300-25  
7/32" hex wrench

Remote start  
available see  
page 81.

44-25  
5/64" hex wrench





# 400 Amp AMT Machine Torch Parts List

**PROFAX**

| NO. | PROFAX NO.       | DESCRIPTION   | NO. | PROFAX NO.  | DESCRIPTION   |
|-----|------------------|---|-----|-------------|---|
| 1.  | 24A50            | Nozzle 1/2", adj. use w/ 34A                          | 7a. | 54A16       | Gas diffuser for 16S series tips                              |
|     | 24A62            | Nozzle 5/8", adj. use w/ 34A                          | 8.  | 44C         | Set screw for gas diffuser and conduit                        |
|     | 24A75            | Nozzle 3/4", adj. use w/ 34A                          | 9.  | 54AMT       | 400 amp head  |
|     | 24A50SS          | Nozzle 1/2", short stop, adj. use w/34A               | 9a. | 54TAMT      | 400 amp head for gooseneck - optional                         |
|     | 24A62SS          | Nozzle 5/8", short stop, adj. use w/34A               | 9b. | 405-22      | Gooseneck 22° optional  |
|     | 24A75SS          | Nozzle 3/4", short stop, adj. use w/34A               |     | 405-45      | Gooseneck 45° optional  |
|     | 24AH50           | Nozzle 1/2", heavy duty, adj. use w/34A               |     | 405-60      | Gooseneck 60° optional  |
|     | 24AH62           | Nozzle 5/8", heavy duty, adj. use w/34A               |     | 405-180     | Gooseneck 180° optional                                       |
|     | 24AH75           | Nozzle 3/4", heavy duty, adj. use w/34A               | 10. | 45IN        | Insulator (2 req'd)   |
| 2.  | 23-37            | Nozzle 3/8", self insulated                           | 11. | 45OTS       | Outer tube short  |
|     | 23-50            | Nozzle 1/2", self insulated                           | 12. | 45ITPS      | Short internal tube (plug)                                    |
|     | 23-62            | Nozzle 5/8", self insulated                           | 13. | 45OTL       | Outer tube long   |
|     | 23-75            | Nozzle 3/4", self insulated                           | 14. | 45ITPL      | Long internal tube (plug)                                     |
|     | 23H50            | Nozzle 1/2", heavy duty, self insulated               | 15. | 174AMT      | 400 amp plug ( <b>standard</b> )                              |
|     | 23H62            | Nozzle 5/8", heavy duty, self insulated               |     | 174AMT-M    | 400 amp plug, Miller®   |
|     | 23-37F           | Nozzle 3/8", self insulated, flush                    | 16. | 224         | O-ring  |
|     | 23-50F           | Nozzle 1/2", self insulated, flush                    | 17. | 64ITNL      | Internal tube long (w/18-480 snap ring)                       |
|     | 23-62F           | Nozzle 5/8", self insulated, flush                    | 18. | 64ITNS      | Internal tube short (w/18-480 snap ring)                      |
|     | 23-75F           | Nozzle 3/4", self insulated, flush                    | 19. | 64N         | Nipple  |
|     | 23T37            | Nozzle 3/8", self insulated, tapered                  | 20. | 114         | Separator   |
| 3.  | 24CT50F          | Nozzle 1/2", use w/34CT                               | 21. | A-532-24    | 9/16-18 ball point screws                                     |
|     | 24CT62F          | Nozzle 5/8", use w/34CT                               | 22. | 104         | Cable connector block assembly                                |
|     | 24CT75F          | Nozzle 3/4", use w/34CT                               | 23. | 125FM-SET   | Binder screws for connector block (set of 2)                  |
|     | 24CT37S          | Nozzle 3/8", use w/34CT                               | 24. | 185         | Connector block w/binder screws                               |
|     | 24CT50S          | Nozzle 1/2", use w/34CT                               | 25. | 134-14      | Clamp - connector block                                       |
|     | 24CT62S          | Nozzle 5/8", use w/34CT ( <b>standard</b> )           | 26. | R185-SC     | Screws for housing (4)  |
|     | 24CT75S          | Nozzle 3/4", use w/34CT                               | 27. | R185-H      | Housing   |
| 4.  | 34A              | Insulator   | 28. | R185-S      | Spring  |
| 5.  | 34CT             | Insulator w/coarse thread nozzle ( <b>standard</b> )  | 29. | 144-6S      | Spring strain relief  |
| 5a. | 34CT-HT          | Insulator, high temp                                  | 30. | 400-10      | 10' replacement cable assembly                                |
| 6.  | 14-23            | Contact tip .023                                      |     | 400-12      | 12' replacement cable assembly                                |
|     | 14-30            | Contact tip .030                                      |     | 400-15      | 15' replacement cable assembly                                |
|     | 14-35            | Contact tip .035                                      |     | 400-20      | 20' replacement cable assembly                                |
|     | 14-40            | Contact tip .040                                      |     | 400-25      | 25' replacement cable assembly                                |
|     | 14-45            | Contact tip .045                                      |     | 400K        | Cable, bulk (per foot)  |
|     | 14-52            | Contact tip .052                                      |     | 400CK       | Cloth wrapped cable, bulk (per foot) for guns longer than 15' |
|     | 14-116           | Contact tip 1/16"                                     | 31. | R174-UA     | Standard connector plug w/64N                                 |
|     | 14-564           | Contact tip 5/64"                                     |     | R174-UAG    | Connector plug with gas hole w/64N                            |
|     | 14A364           | Contact tip 3/64" (for aluminum)                      | 32. | R174-E      | Connector, Esab®  |
|     | 14A116           | Contact tip 1/16" (for aluminum)                      |     | R174-H      | Connector, Hobart®  |
|     | 14H30            | Contact tip .030, heavy duty                          |     | R174-L      | Connector, Lincoln®   |
|     | 14H35            | Contact tip .035, heavy duty                          |     | R174-M      | Connector, Miller®  |
|     | 14H40            | Contact tip .040, heavy duty                          |     | R174-T      | Connector, PROFAX   |
|     | 14H45            | Contact tip .045, heavy duty                          | 33. | 44-3545-1   | 1' wire conduit assy. used with .035-.045 dia. wire           |
|     | 14H52            | Contact tip .052, heavy duty                          |     | 44-116-1    | 1' wire conduit assy. used with .052-1/16" dia. wire          |
|     | 14H116           | Contact tip 1/16", heavy duty                         |     | 44-564-1    | 1' wire conduit assy. used with 5/64" dia. wire               |
|     | 14H564           | Contact tip 5/64", heavy duty                         |     | 44-3545-15  | 15' wire conduit assy. used with .035-.045 dia. wire          |
|     | 14AH364          | Contact tip 3/64", heavy duty (for aluminum)          |     | 44-116-15   | 15' wire conduit assy. used with .052-1/16" dia. wire         |
|     | 14AH116          | Contact tip 1/16", heavy duty (for aluminum)          |     | 44-564-15   | 15' wire conduit assy. used with 5/64" dia. wire              |
|     | 14HT35           | Contact Tip .035, heavy duty tapered                  |     | 44N-3545-15 | 15' nylon lined conduit assy. used with (aluminum).035-3/64"  |
|     | 14HT40           | Contact Tip .040, heavy duty tapered                  |     | 44N-116-15  | 15' nylon lined conduit assy. used with (aluminum) 1/16"      |
|     | 14HT45           | Contact Tip .045, heavy duty tapered                  |     | 44-3545-25  | 25' wire conduit assy. used with .035-.045 dia. wire          |
|     | 14HT52           | Contact Tip .052, heavy duty tapered                  |     | 44-116-25   | 25' wire conduit assy. used with 1/16" dia. wire              |
|     | 14HT116          | Contact Tip 1/16", heavy duty tapered                 | 34. | 32PAMT      | Barrel w/rack 32 pitch (Optional)                             |
|     | 14HT564          | Contact Tip 5/64", heavy duty tapered                 |     | 60031801-1  | AMT torch holder 1-3/8" x 32 pitch                            |
|     | 14T23            | Contact tip .023 tapered                              |     |             |   |
|     | 14T30            | Contact tip .030 tapered                              |     |             |   |
|     | 14T35            | Contact tip .035 tapered                              |     |             |   |
|     | 14T40            | Contact tip .040 tapered                              |     |             |   |
|     | 14T45            | Contact tip .045 tapered                              |     |             |   |
|     | 14T52            | Contact tip .052 tapered                              |     |             |   |
|     | 14T116           | Contact tip 1/16" tapered                             |     |             |   |
| 6a. | 16S series tips  | Contact tip (optional) for 5/8" I.D. & larger nozzles |     |             |   |
| 6b. | 16ST series tips | Contact tip (optional) for 1/2" I.D. & larger nozzles |     |             |   |
| 7.  | 54A              | Gas diffuser ( <b>standard</b> )                      |     |             |   |
|     | 54C              | Gas diffuser, copper                                  |     |             |   |

## TO ORDER DIRECT CONNECT AMT MACHINE TORCHES

Standard - "PROFAX" rear adapter. e.g. AMT400-3545-15  
 Lincoln® Direct - Add an LN e.g. AMTLN400-3545-15  
 Miller® Direct - Add an M. e.g. AMTM400-3545-15  
 Euro-Quick - Add an X. e.g. AMTX400-3545-15.

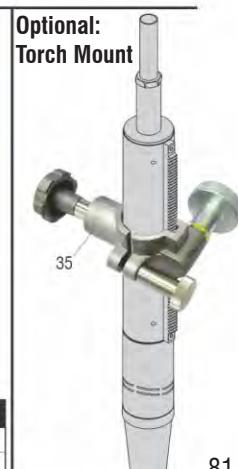
SEE PAGE 74 FOR MORE DETAILS ON DIRECT CONNECTS  
 SEE PAGE 86 FOR ADAPTER KITS



Lincoln®  
Style



Optional:  
Remote Start Switch  
Miller®  
Style



Optional:  
Torch Mount

| PROFAX NO. | DESCRIPTION |
|------------|-------------|
| RSCLN-15   | 15 feet     |
| RSCLN-25   | 25 feet     |

| PROFAX NO. | DESCRIPTION |
|------------|-------------|
| RSCM-15    | 15 feet     |
| RSCM-25    | 25 feet     |



# HD450 Amp AMT Heavy Duty Machine Torch

**PROFAX**

## HD450 AMT Machine Torch

| PROFAX NO.   | DESCRIPTION   |  |
|--------------|---|--|
| HD64AMT-174  | 450 amp body w/plug - for use with 12" units.                     |  |
| HD64SAMT-174 | 450 amp short body w/plug - for use with 8-3/4" units.            |  |
| HD64AMTN     | 450 amp body w/nipple - for use with cable hose type units.       |  |
| HD64SAMTN    | 450 amp short body w/nipple - for use with cable hose type units. |  |

### Standard Features

- Totally rebuildable • Extra flexible cable • Economical replacement components
- 1-3/8" torch barrel diameter • Wide variety of wire sizes
- Adapter kits available for most wire feeders
- Optional remote start control available

\*Special length guns available on request.

### DESCRIPTION

The HD450 Amp AMT Machine Torch is available in 2', 4', 6', 8', 10', 12', 15', 20', and 25' cable assemblies and is capable of running .035 through 5/64" wire. Direct mount guns available upon request for most manufacturer's feeders.

### Standard HDAMT Torch



### HDSAMT Torch



### Complete HD450 Amp AMT Machine Torch Packages

| 2'              | 4'              | 6'              | 8'              | 10'              | 12'              | 15'              | 20'              | 25'              |
|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| HDAMT450-3545-2 | HDAMT450-3545-4 | HDAMT450-3545-6 | HDAMT450-3545-8 | HDAMT450-3545-10 | HDAMT450-3545-12 | HDAMT450-3545-15 | HDAMT450-3545-20 | HDAMT450-3545-25 |
| HDAMT450-116-2  | HDAMT450-116-4  | HDAMT450-116-6  | HDAMT450-116-8  | HDAMT450-116-10  | HDAMT450-116-12  | HDAMT450-116-15  | HDAMT450-116-20  | HDAMT450-116-25  |
| HDAMT450-564-2  | HDAMT450-564-4  | HDAMT450-564-6  | HDAMT450-564-8  | HDAMT450-564-10  | HDAMT450-564-12  | HDAMT450-564-15  | HDAMT450-564-20  | HDAMT450-564-25  |

### TO ORDER DIRECT CONNECT HDAMT MACHINE TORCHES

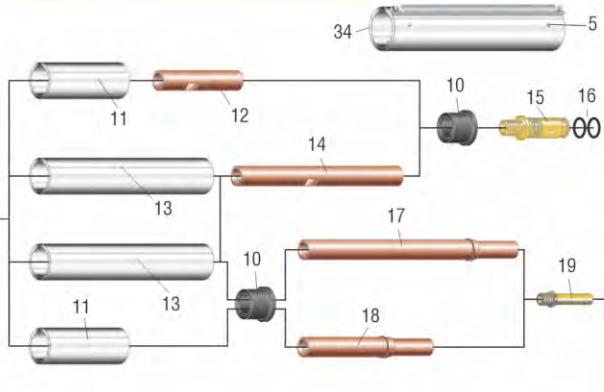
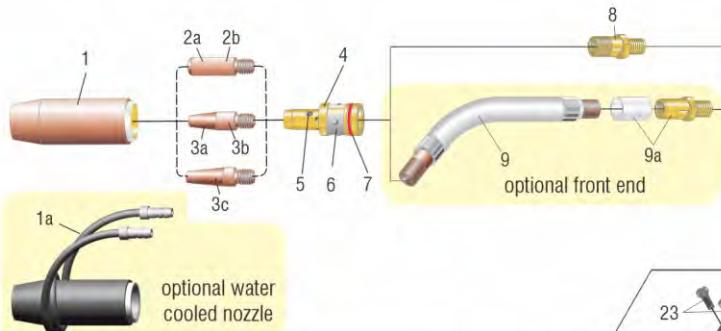
- Standard - "PROFAX" rear adapter. e.g. HDAMT450-3545-15  
 Lincoln® Direct - Add an L e.g. HDAMTL450-3545-15  
 Miller® Direct Add an M. e.g. HDAMTM450-3545-15  
 Euro-Quick Add an X. e.g. HDAMTX450-3545-15

### TO ORDER DIRECT CONNECT HDSAMT MACHINE TORCHES

- Standard - "PROFAX" rear adapter. e.g. HDSAMT450-3545-15  
 Lincoln® Direct - Add an L e.g. HDSAMTL450-3545-15  
 Miller® Direct Add an M. e.g. HDSAMTM450-3545-15  
 Euro-Quick Add an X. e.g. HDSAMTX450-3545-15

SEE PAGE 74 for more details on direct connects

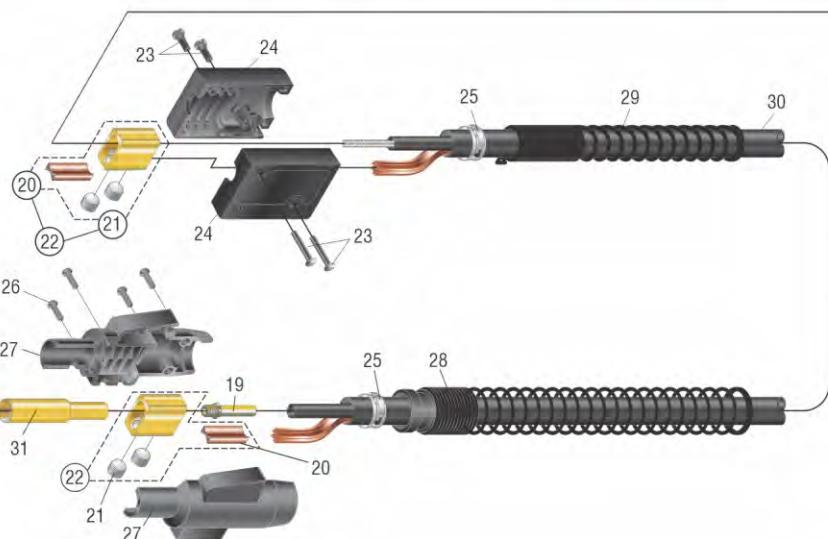
SEE PAGE 86 for adapter kits



Remote start  
available see  
page 81.

AL-300-25  
7/32" hex wrench

44-25  
5/64" hex wrench





# HD450 Amp AMT Heavy Duty Machine Torch Parts List

**PROFAX**

| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO.                   | DESCRIPTION                  |
|------------|----------------------------|----------|------------------------------|------------------------------|
| 17S-30     | Contact tip .030           | .040     | 27T38                        | Tapered nozzle 3/8" (brass)  |
| 17S-35     | Contact tip .035           | .044     | 27TC38                       | Tapered nozzle 3/8" (copper) |
| 17S-40     | Contact tip .040           | .049     | (Use with 17SLT series tips) |                              |
| 17S-45     | Contact tip .045           | .054     | 27T50                        | Nozzle 1/2"                  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | (Use with 17ST series tips)  |                              |
| 17S-52     | Contact tip .052           | .064     | 27K50                        | M.D. Nozzle 1/2"             |
| 17S-116    | Contact tip 1/16"          | .073     | (Use with 17ST series tips)  |                              |
| 17AS-116   | Contact tip 1/16" aluminum | .078     | 27S50                        | H.D. Nozzle 1/2"             |
| 17S-564    | Contact tip 5/64"          | .093     | (Use with 27T38 nozzle)      |                              |
| 17ST-30    | Contact tip .030           | .040     | 27K62                        | M.D. Nozzle 5/8"             |
| 17ST-35    | Contact tip .035           | .044     | 27S62                        | H.D. Nozzle 5/8"             |
| 17ST-40    | Contact tip .040           | .049     | 27S75                        | H.D. Nozzle 3/4"             |
| 17ST-45    | Contact tip .045           | .054     |                              |                              |
| 17ST-52    | Contact tip .052           | .064     |                              |                              |
| 17ST-116   | Contact tip 1/16"          | .073     |                              |                              |
| 17ST-564   | Contact tip 5/64"          | .093     |                              |                              |
| 17SLT-35   | Contact tip .035           | .044     |                              |                              |
| 17SLT-40   | Contact tip .040           | .049     |                              |                              |
| 17SLT-45   | Contact tip .045           | .054     |                              |                              |
| 17SLT-52   | Contact tip .052           | .064     |                              |                              |
| 17SLT-116  | Contact tip 1/16"          | .073     |                              |                              |
| 17SLT-564  | Contact tip 5/64"          | .093     |                              |                              |
| 16S-30     | Contact tip .030           | .040     |                              |                              |
| 16S-35     | Contact tip .035           | .044     |                              |                              |
| 16S-40     | Contact tip .040           | .049     |                              |                              |
| 16S-45     | Contact tip .045           | .054     |                              |                              |
| 16S-52     | Contact tip .052           | .064     |                              |                              |
| 16S-116    | Contact tip 1/16"          | .073     |                              |                              |
| 16S-564    | Contact tip 5/64"          | .093     |                              |                              |
| 16ST-30    | Contact tip .030           | .040     |                              |                              |
| 16ST-35    | Contact tip .035           | .044     |                              |                              |
| 16ST-40    | Contact tip .040           | .049     |                              |                              |
| 16ST-45    | Contact tip .045           | .054     |                              |                              |
| 16ST-52    | Contact tip .052           | .064     |                              |                              |
| 16ST-116   | Contact tip 1/16"          | .073     |                              |                              |
| 16ST-564   | Contact tip 5/64"          | .093     |                              |                              |

**HD450 AMT  
Machine Torch**

| NO. | PROFAX NO. | DESCRIPTION   | NO. | PROFAX NO.  | DESCRIPTION  |
|-----|------------|---|-----|-------------|--|
| 1.  | 27S50      | Heavy duty nozzle 1/2" (copper)                               | 18. | 64ITNS      | Internal tube short (w/18-480 snap ring)                   |
|     | 27S62      | Heavy duty nozzle 5/8" (copper) <b>(standard)</b>             | 19. | 64N         | Nipple   |
|     | 27S75      | Heavy duty nozzle 3/4" (copper)                               | 20. | 114         | Separator  |
|     | 27S50GL    | H.D. nozzle 1/2" (copper)(use 17SLT series tips)              | 21. | A-532-24    | 9/16-18 ball point screws                                  |
|     | 27S62GL    | H.D. nozzle 5/8" (copper)                                     | 22. | 104         | Cable connector block assembly                             |
|     | 27S75GL    | H.D. nozzle 3/4" (copper) <b>see pg. 72 for drawing</b>       | 23. | 125FM-SET   | Binder screws for connector block (set of 2)               |
|     | 27T38      | Tapered nozzle 3/8" (brass)                                   | 24. | 185         | Connector block w/binder screws                            |
|     | 27TC38     | Tapered nozzle 3/8" (copper)                                  | 25. | 135-14      | Clamp - connector block                                    |
|     | 27T50      | Nozzle 1/2" bottle (copper)                                   | 26. | R185-SC     | Screws for housing (4)                                     |
|     | 27T50HD    | Heavy duty nozzle 1/2" bottle (copper) see pg. 72 for drawing | 27. | R185-H      | Housing  |
|     | 27K50      | Medium duty nozzle 1/2" (copper)                              | 28. | R185-S      | Spring   |
|     | 27K62      | Medium duty nozzle 5/8" (copper)                              | 29. | 144-6S      | Spring strain relief for handle                            |
| 1a. | 27S50WC    | Optional water cooled nozzle 1/2" (copper)                    | 30. | 450-2       | 2' replacement heavy duty cable assembly                   |
|     | 27S62WC    | Optional water cooled nozzle 5/8" (copper)                    |     | 450-4       | 4' replacement heavy duty cable assembly                   |
|     | 27S75WC    | Optional water cooled nozzle 3/4" (copper)                    |     | 450-6       | 6' replacement heavy duty cable assembly                   |
| 2a. | 17S        | See chart <b>(standard)</b>                                   |     | 450-8       | 8' replacement heavy duty cable assembly                   |
| 2b. | 16S        | See chart   |     | 450-10      | 10' replacement heavy duty cable assembly                  |
| 3a. | 17ST       | See chart   |     | 450-12      | 12' replacement heavy duty cable assembly                  |
| 3b. | 16ST       | See chart   |     | 450-15      | 15' replacement heavy duty cable assembly                  |
| 3c. | 17SLT      | Contact tip use with 27T38 nozzle                             |     | 450-20      | 20' replacement heavy duty cable assembly                  |
| 4.  | 57HD       | Heavy duty Gas diffuser                                       |     | 450-25      | 25' replacement heavy duty cable assembly                  |
| 5.  | 44C        | Set screw for gas diffuser/conduit                            | 31. | R174-UA     | Standard connector plug w/64N                              |
| 6.  | 240        | Retaining ring  |     | R174-UAG    | Connector plug with gas hole w/64N                         |
| 7.  | 260        | O-ring  | 32. | R174-T      | Connector, PROFAX  |
| 8.  | 54AMTHD    | Heavy duty 450 amp head <b>(standard)</b>                     |     | R174-L      | Connector, Lincoln®  |
| 9.  | 405-22HD   | Heavy duty Gooseneck 22° optional                             |     | R174-M      | Connector, Miller®   |
|     | 405-45HD   | Heavy duty Gooseneck 45° optional                             | 33. | 44-3545-1   | 1' wire conduit assy. used with .035-.045 dia. wire        |
|     | 405-60HD   | Heavy duty Gooseneck 60° optional                             |     | 44-116-1    | 1' wire conduit assy. used with .052-1/16" dia. wire       |
|     | 405-180HD  | Heavy duty Gooseneck 180° optional                            |     | 44-564-1    | 1' wire conduit assy. used with 5/64" dia. wire            |
| 9a. | 54TAMT     | Head for gooseneck - optional                                 |     | 44-3545-15  | 15' wire conduit assy. used with .035-.045 dia. wire       |
| 10. | 45IN       | Insulator (2 req'd)   |     | 44-116-15   | 15' wire conduit assy. used with .052-1/16" dia. wire      |
| 11. | 45OTS      | Outer tube short  |     | 44-564-15   | 15' wire conduit assy. used with 5/64" dia. wire           |
| 12. | 45ITPS     | Short internal tube (plug)                                    |     | 44N-3545-15 | 15' nylon lined conduit assy. used with(aluminum).035-.047 |
| 13. | 45OTL      | Outer tube long   |     | 44N-116-15  | 15' nylon lined conduit assy. used with (aluminum)1/16"    |
| 14. | 45ITPL     | Long internal tube (plug)                                     |     | 44-3545-25  | 25' wire conduit assy. used with .035-.045 dia. wire       |
| 15. | 174AMT     | Plug <b>(standard)</b>  |     | 44-116-25   | 25' wire conduit assy. used with .052-1/16" dia. wire      |
|     | 174AMT-M   | Plug, Miller®   |     | 44-564-25   | 25' wire conduit assy. used with 5/64" dia. wire           |
| 16. | 224        | O-ring  | 34. | 32PAMT      | Barrel w/rack 32 pitch (Optional)                          |
| 17. | 64ITNL     | Internal tube long (w/18-480 snap ring)                       |     |             |  |





# 500 Amp AMT Machine Torch Parts List

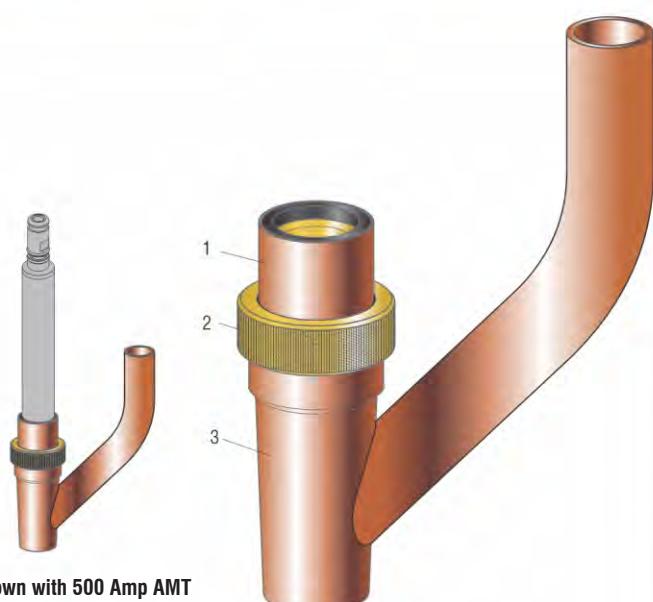
**PROFAX**

| NO. | PROFAX NO. | DESCRIPTION                                      | NO. | PROFAX NO. | DESCRIPTION  |
|-----|------------|--|-----|------------|--|
| 1.  | 25CT-50    | Nozzle 1/2", coarse thread                       | 13. | 175AMT     | 500 amp plug (standard)                            |
|     | 25CT-62    | Nozzle 5/8", coarse thread (standard)            |     | 175AMT-M   | 500 amp plug, Miller®                              |
|     | 25CT-75    | Nozzle 3/4", coarse thread                       | 14. | 225        | O-ring   |
| 1a. | 25I-62     | Nozzle 5/8", self insulated                      | 15. | 65ITNL     | Internal tube long (w/18-480 snap ring)            |
|     | 25I-75     | Nozzle 3/4", self insulated                      | 16. | 65ITNS     | Internal tube short (w/18-480 snap ring)           |
| 2.  | 35CT       | Insulator, use w/coarse thread nozzle (standard) | 17. | 65N        | Nipple   |
| 2a. | 35CT-HT    | Insulator, high temp                             | 18. | 114        | Separator  |
| 3.  | 15H35      | Contact tip .035                                 | 19. | A-532-24   | 9/16-18 ball point screws                          |
|     | 15H45      | Contact tip .045                                 | 20. | 104        | Cable connector block assembly                     |
|     | 15H52      | Contact tip .052                                 | 21. | 125FM-SET  | Binder screws for connector block (set of 2)       |
|     | 15H116     | Contact tip 1/16"                                | 22. | 185        | Connector block w/binder screws                    |
|     | 15H564     | Contact tip 5/64"                                | 23. | 134-15     | Clamp - connector block (2 req'd)                  |
|     | 15H332     | Contact tip 3/32"                                | 24. | R185-SC    | Screws for housing (4)                             |
|     | 15H764     | Contact tip 7/64"                                | 25. | R185-H     | Housing  |
|     | 15AH364    | Contact tip 3/64" (for aluminum)                 | 26. | 145-6S     | Spring strain relief                               |
|     | 15AH116    | Contact tip 1/16" (for aluminum)                 | 27. | 500-10     | 10' replacement cable assembly                     |
|     | 15HFC35    | Contact tip .035                                 |     | 500-12     | 12' replacement cable assembly                     |
|     | 15HFC45    | Contact tip .045                                 |     | 500-15     | 15' replacement cable assembly                     |
|     | 15HFC52    | Contact tip .052                                 |     | 500-20     | 20' replacement cable assembly                     |
|     | 15HFC116   | Contact tip 1/16"                                |     | 500-25     | 25' replacement cable assembly                     |
|     | 15HFC564   | Contact tip 5/64"                                |     | 500CK      | Cloth wrap replacement cable assy.(per foot)       |
|     | 15HFC332   | Contact tip 3/32"                                | 28. | R185-S     | Spring   |
|     | 15HFC764   | Contact tip 7/64"                                | 29. | R175-UA    | Standard connector plug w/65N                      |
|     | 15AHFC364  | Contact tip 3/64" (for aluminum)                 |     | R175-UAG   | Connector plug with gas hole w/65N                 |
|     | 15AHFC116  | Contact tip 1/16" (for aluminum)                 | 30. | R175-T     | Connector, standard                                |
| 4.  | 44C        | Set screw for gas diffuser and conduit           |     | R175-L     | Connector, Lincoln®                                |
| 5.  | 55         | Gas diffuser (5/64 wire)                         |     | R175-M     | Connector, Miller® (w/R175M-N nipple)              |
|     | 55H        | Gas diffuser (3/32-7/64 wire)                    | 31. | 45-3545-1  | 1' wire conduit assy. used w/.035-.045 dia. wire   |
|     | 55SW       | Gas diffuser (.035-1/16 wire)                    |     | 45-116-1   | 1' wire conduit assy. used w/.052-1/16" dia. wire  |
| 6.  | 55AMT      | 500 amp head                                     |     | 45-564-1   | 1' wire conduit assy. used w/5/64" dia. wire       |
| 6a. | 54TAMT     | Optional head for gooseneck                      |     | 45H-332-1  | 1' wire conduit assy. used w/3/32" dia. wire       |
| 6b. | 505-22     | Gooseneck 22°                                    |     | 45H-764-1  | 1' wire conduit assy. used w/7/64" dia. wire       |
|     | 505-45     | Gooseneck 45°                                    |     | 45-3545-15 | 15' wire conduit assy. used w/.035-.045 dia. wire  |
|     | 505-60     | Gooseneck 60°                                    |     | 45-116-15  | 15' wire conduit assy. used w/.052-1/16" dia. wire |
| 7.  | 45IN       | Insulator (2 req'd)                              |     | 45-564-15  | 15' wire conduit assy. used w/5/64" dia. wire      |
| 8.  | 65MAMT-175 | Miniature body                                   |     | 45H-332-15 | 15' wire conduit assy. used w/3/32" dia. wire      |
| 9.  | 45OTS      | Outer tube short                                 |     | 45H-764-15 | 15' wire conduit assy. used w/7/64" dia. wire      |
| 10. | 45ITPS     | Short internal tube (plug)                       |     | 45-3545-25 | 25' wire conduit assy. used w/.035-.045 dia. wire  |
| 11. | 45OTL      | Outer tube long                                  |     | 45-116-25  | 25' wire conduit assy. used w/.052-1/16" dia. wire |
| 12. | 45ITPL     | Long internal tube (plug)                        |     | 45-564-25  | 25' wire conduit assy. used w/5/64" dia. wire      |
|     |            |  | 32. | 32PAMT     | Barrel w/rack 32 pitch (Optional)                  |

**500 Amp AMT  
Machine Torch**

## 25SA-75 - Sub Arc Assembly

Designed for running Sub Arc with the 500 Amp AMT



Shown with 500 Amp AMT  
Torch installed

| NO. | PROFAX NO. | DESCRIPTION |
|-----|------------|-------------|
| 1   | 25SA-75-2  | Insulator   |
| 2   | 25SA-75-3  | Nut         |
| 3   | 25SA-75-1  | Nozzle      |

## 25NA-LS

For adapting the 500 Amp AMT to Lincoln® NA3, 4 and 5 heads for running wire with gas coverage

To order the adapter with 120VAC solenoid kit order 25NA-WS



Shown with 500 Amp AMT  
Torch installed

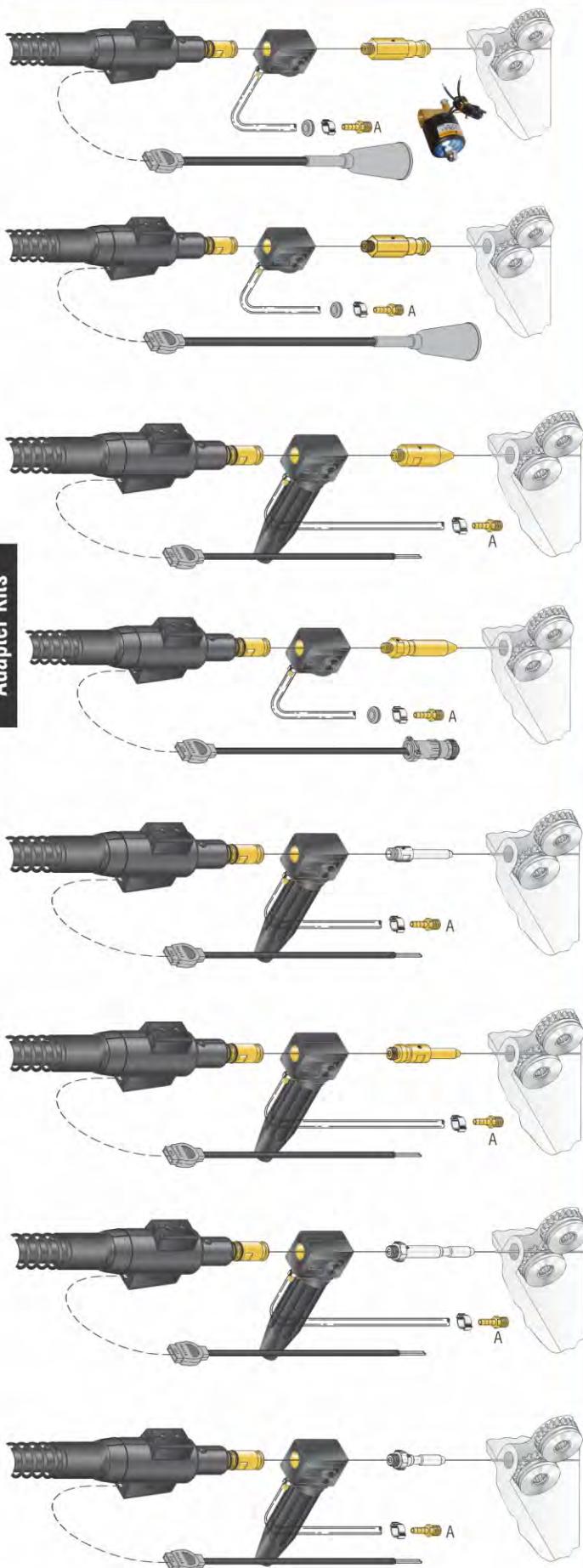
| PROFAX NO. | DESCRIPTION |
|------------|-------------|
| 25NA-LS    | Adapter     |



# Complete Adapter Kits for 180, 250, 400, 450 & 500 Amp Guns

**PROFAK**

## Complete Adapter Kits



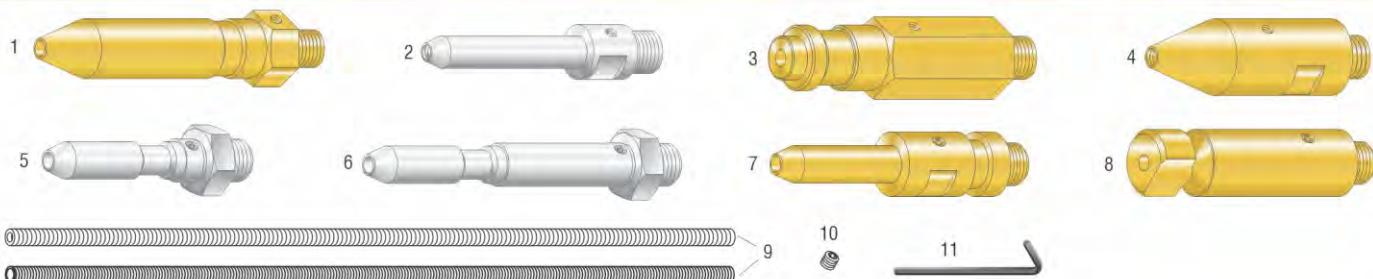
| PROFAK NO.   | DESCRIPTION   |
|--------------|---|
| TLAK7-35     | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Lincoln® LN7, LN8, LN9, and LN25<br>w/AC solenoid valve   |
| 6TLAK7-35    | <b>PROFAK 500 Amp MIG Gun</b><br>Lincoln® LN7, LN8, LN9, and LN25<br>w/AC solenoid valve  |
| TLAK7-35-LS  | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Lincoln® SP150, SP200, LN7, LN8, LN9, and LN25<br>less solenoid valve   |
| 6TLAK7-35-LS | <b>NOTE:</b> for LN25 Pro order gun with standard PROFAK back end and LAK 354 installed.<br><b>PROFAK 500 Amp MIG Gun</b><br>Lincoln® LN7, LN8, LN9, and LN25<br>less solenoid valve  |
| TAK-35-L23*  | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Esab® (L-Tec/Linde®) Digamig, Mig 35, and SWM23   |
| 6TAK-35-L23* | <b>PROFAK 500 Amp MIG Gun</b><br>Esab® (L-Tec/Linde®) Digamig, Mig 35, and SWM23  |
| TMSAK-35     | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Miller® Millermatic 141, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350 and Vintage. 8VS, 12RC and 12VS, R115, S-22, S-32, Super 32, Extreme 12VS, and all 50, 60, 72, and 74 series feeders. |
| 6TMSAK-35    | <b>PROFAK 500 Amp MIG Gun</b><br>Miller® R115, S-22, S-32, Super 32, and all 50, 60, 72, and 74 series feeders  |
| TAK-35-MS*   | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Miller® 10A, 10E, 30A, 30B, 30E, 70A, and 80A   |
| 6TAK-35-MS*  | <b>PROFAK 500 Amp MIG Gun</b><br>Miller® 10A, 10E, 30A, 30B, 30E, 70A, and 80A  |
| TAK-35-HO*   | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Hobart® 27, 44, 70, 70S, AGH27, Dualmatic 27/70, H3S, H4S, H6S, Mega-conds, and Portawire 55.   |
| TAK-35-L20*  | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Linde® SWM20, 34, 37, and AGA 200   |
| TAK-35-L31*  | <b>PROFAK 180, 250, 400 &amp; 450 Amp MIG Guns</b><br>Linde® Mig 31, 31A, 32, SWM31, and SWM39  |

\* - Without electrical plug on one end  
A - Optional gas hose fitting



## Adapter Plug Packages & Replacement Components

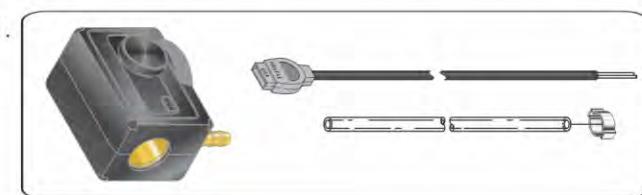
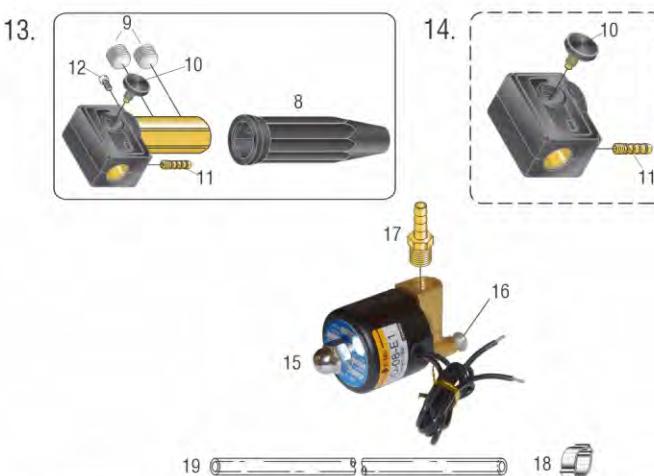
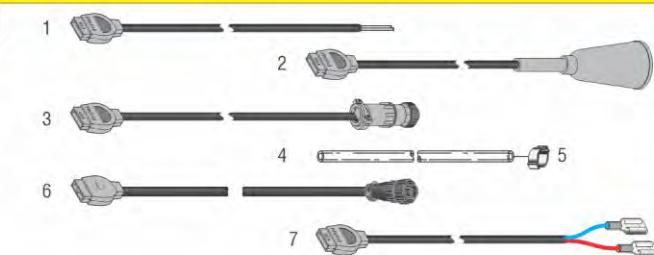
**PROFAX**



| NO. | PROFAX NO.  | DESCRIPTION   | NO. | PROFAX NO.   | DESCRIPTION  |  |
|-----|-------------|---|-----|--------------|--|--|
| 1.  | TMSAK-352   | Miller® Millermatic 200, 210, 212, 250, 250X, 251, 252, 300, 350 & Vintage. S-22, S-32 and 50, 60, 72, and 74 series feeders. 8VS, 12RC and 12VS, Extreme 12VS, R115. | 9.  | TAK-352-18   | Spring liner for adapter plug for 3/32" - 1/8" wire  |  |
| 2.  | TAK-352-MS  | Miller® 10A, 10E, 30A, 30B, 30E, 70A, & 80A.  | 10. | TAK-352-23   | Liner for adapter plug for .023 wire                 |  |
| 3.  | TLAK-352    | Lincoln® LN7, LN8, LN9, and LN25  | 11. | TAK-352-3035 | Liner for adapter plug for .030-.035 wire            |  |
| 4.  | TAK-352-L23 | Esab® (L-Tec/Linde®) (Digamig, Mig35, SWM23)  |     | TAK-352-3545 | Liner for adapter plug for .035-.045 wire*           |  |
| 5.  | TAK-352-L31 | Linde/L-Tec® (SWM 31, 39, Mig 31, 31A, & Mig 32)  |     | TAK-352-564  | Liner for adapter plug for 5/64" wire*               |  |
| 6.  | TAK-352-L20 | Linde/L-Tec® (SWM 20, 34, 37, AGA 200)  |     | TAK-352-A116 | Liner for adapter plug for 1/16" aluminum wire*      |  |
| 7.  | TAK-352-HO  | Hobart® wire guide outlet plug assembly   |     | TAK-352-A364 | Liner for adapter plug for .035-.3/64" aluminum wire |  |
| 8.  | TAK-352-P   | Panasonic® Gunslinger 260   |     | 10.          | 44C  | Set screw                                      |
|     |             |   |     | 11.          | 44-25  | 5/64" hex wrench (packed in all plug packages) |

\*Packed in all plug packages

| NO. | PROFAX NO.  | DESCRIPTION  |
|-----|-------------|--|
| 1.  | AK-354      | Control plug assembly (Standard Kits)                                |
| 2.  | LAK-354     | Control plug assembly Lincoln®                                       |
| 3.  | MSAK-354    | Control plug assembly Miller®  |
| 4.  | MK-353-24   | Gas hose 24" long  |
| 5.  | AK-353-2A   | Gas hose clamp (2 req'd)   |
| 6.  | AK-354-TA   | Control plug assembly 8 pin Thermal Arc®                             |
| 7.  | HAK-354     | Control plug assembly Hobart®  |
| 8.  | 24R-MBP     | Connector sleeve   |
| 9.  | A-14-24     | Ball point screw   |
| 10. | PAK-1-3     | Thumb screw  |
| 11. | 35-170-5    | Nipple 1/4" x 20   |
| 12. | 2-5         | Screw  |
| 13. | TAK-1       | Adapter assembly 250 and 400 amp guns                                |
| 14. | 6TAK-1      | Adapter assembly for 500 amp guns                                    |
| 15. | TLAK-1      | Adapter assembly 250 and 400 amp guns                                |
| 16. | 6TLAK-1     | Adapter assembly for 500 amp guns                                    |
| 17. | TLAK7-353-S | Gas solenoid valve assembly - 120 Volt AC                            |
| 18. | MAK-353-S   | Gas solenoid valve assembly - 24 Volt AC                             |
| 19. | 154-M       | Screw (2 req'd)  |
| 20. | AK-353-2    | 1/4" NPT nipple adapter  |
| 21. | AK-353-2A   | Gas hose clamps  |
| 22. | AK-353      | Gas hose with 1/4" NPT nipple adapter                                |
| 23. | TAK-351     | Feeder end adapter kit with connector plug for 250 and 400 amp guns. |
| 24. | 6TAK-351    | Feeder end adapter kit with connector plug for 500 amp guns.         |
| 25. | TLAK-351    | Feeder end adapter kit with connector plug for 250 and 400 amp guns. |
| 26. | 6TLAK-351   | Feeder end adapter kit with connector plug for 500 amp guns.         |



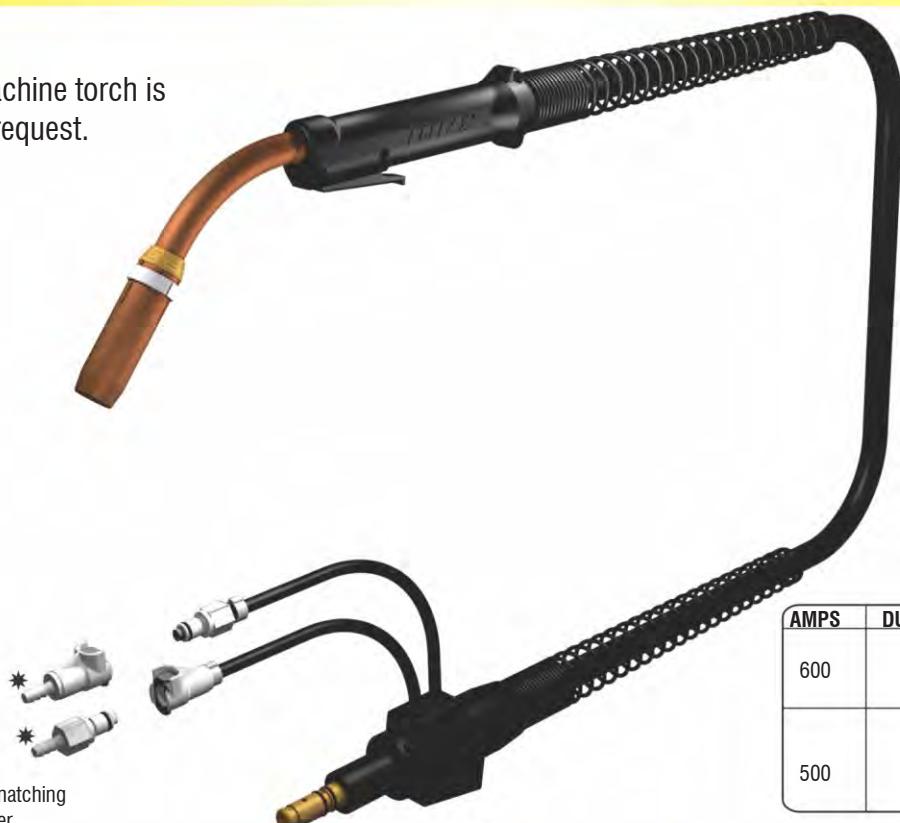
Complete  
Adapter Kits



# Platinum 600 Amp Water Cooled MIG Gun

**PROFAX**

A straight machine torch is available on request.



| RATINGS |            |                                    |
|---------|------------|------------------------------------|
| AMPS    | DUTY CYCLE | TYPE/GAS MIX                       |
| 600     | 100%       | CO2<br>75-25<br>FLUX CORE          |
| 500     | 100%       | PULSE MIG<br>80-20<br>98-2<br>95-5 |

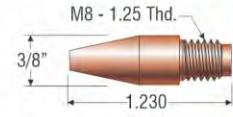
\*All guns shipped with matching quick connects for water.

## Platinum 600 Amp WC MIG Gun

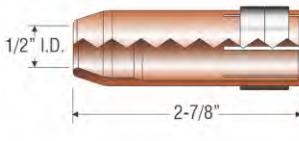
| PROFAX NO.  | DESCRIPTION                                  |
|-------------|--|
| PWC-35-12   | 12' water cooled MIG gun .035 wire           |
| PWC-45-12   | 12' water cooled MIG gun .045 wire           |
| PWC-364A-12 | 12' water cooled MIG gun 3/64" aluminum wire |
| PWC-52-12   | 12' water cooled MIG gun .052 wire           |
| PWC-116-12  | 12' water cooled MIG gun 1/16" wire          |
| PWC-116A-12 | 12' water cooled MIG gun 1/16" aluminum wire |
| PWC-564-12  | 12' water cooled MIG gun 5/64" wire          |
| PWC-332-12  | 12' water cooled MIG gun 3/32" wire          |

| PROFAX NO.  | DESCRIPTION                                  |
|-------------|--|
| PWC-35-15   | 15' water cooled MIG gun .035 wire           |
| PWC-45-15   | 15' water cooled MIG gun .045 wire           |
| PWC-364A-15 | 15' water cooled MIG gun 3/64" aluminum wire |
| PWC-52-15   | 15' water cooled MIG gun .052 wire           |
| PWC-116-15  | 15' water cooled MIG gun 1/16" wire          |
| PWC-116A-15 | 15' water cooled MIG gun 1/16" aluminum wire |
| PWC-564-15  | 15' water cooled MIG gun 5/64" wire          |
| PWC-332-15  | 15' water cooled MIG gun 3/32" wire          |

| PROFAX NO. | DESCRIPTION                | TIP I.D. |
|------------|----------------------------|----------|
| 16W35      | Contact tip .035           | .044     |
| 16W40      | Contact tip .040           | .049     |
| 16W45      | Contact tip .045           | .054     |
| 16W364A    | Contact tip 3/64" aluminum | .060     |
| 16W52      | Contact tip .052           | .062     |
| 16W116     | Contact tip 1/16"          | .073     |
| 16W116A    | Contact tip 1/16" aluminum | .078     |
| 16W564     | Contact tip 5/64"          | .093     |
| 16W332     | Contact tip 3/32"          | .109     |
| 16WT35     | Tapered contact tip .035   | .044     |
| 16WT45     | Tapered contact tip .045   | .054     |
| 16WT52     | Tapered contact tip .052   | .062     |
| 16WT116    | Tapered contact tip 1/16"  | .073     |



26W50F Nozzle 1/2"

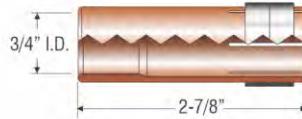


26W62F Nozzle 5/8"

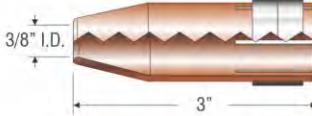


PROFAX NO. DESCRIPTION

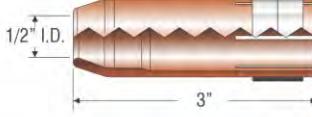
26W75F Nozzle 3/4"



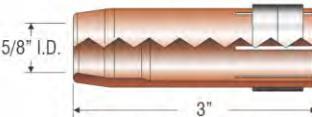
26W37R Nozzle 3/8"



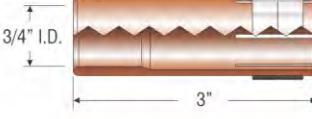
26W50R Nozzle 1/2"



26W62R Nozzle 5/8"



26W75R Nozzle 3/4"

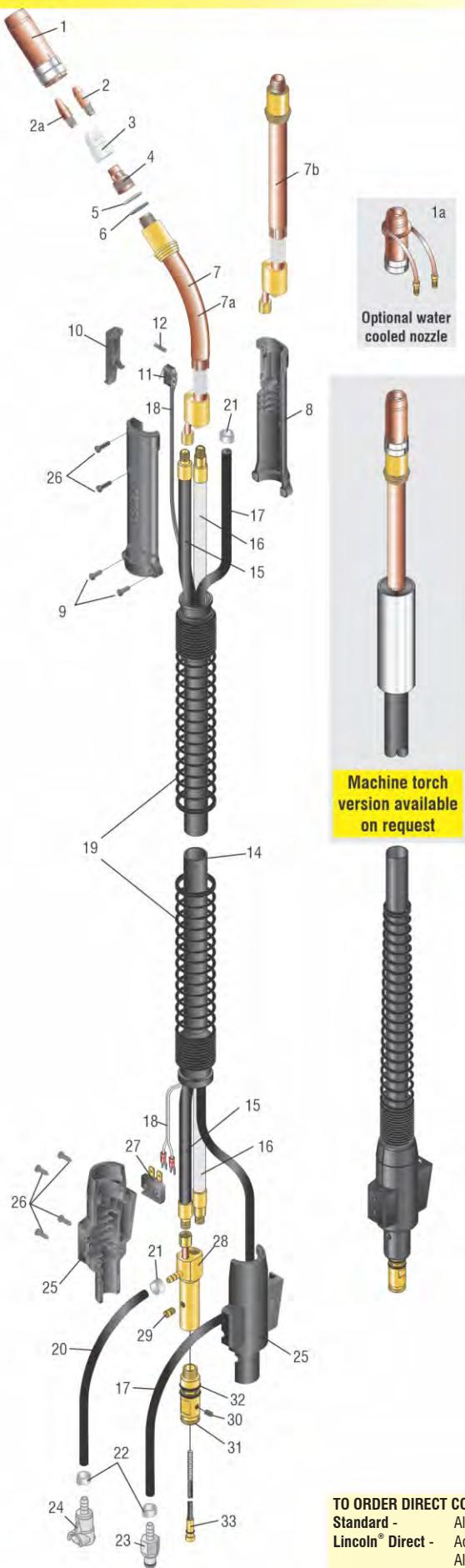


\*Standard shipped with gun.



# Platinum 600 Amp Water Cooled MIG Gun

**PROFAX**



| NO. | PROFAX NO.  | DESCRIPTION  |
|-----|-------------|--|
| 1.  | 26W50F      | Nozzle 1/2" flush  |
|     | 26W62F      | Nozzle 5/8" flush  |
|     | 26W75F      | Nozzle 3/4" flush  |
|     | 26W37R      | Nozzle 3/8" recessed   |
|     | 26W50R      | Nozzle 1/2" recessed   |
|     | 26W62R      | Nozzle 5/8" recessed ( <b>standard</b> )                         |
|     | 26W75R      | Nozzle 3/4" recessed   |
| 1a. | 26W50RWC    | 1/2" water cooled nozzle recessed                                |
|     | 26W62RWC    | 5/8" water cooled nozzle recessed                                |
|     | 26W75RWC    | 3/4" water cooled nozzle recessed                                |
| 2.  | 16W35       | Contact tip .035 .044 I.D.                                       |
|     | 16W40       | Contact tip .040 .049 I.D.                                       |
|     | 16W45       | Contact tip .045 .054 I.D.                                       |
|     | 16W36A      | Contact tip 3/64" A .060 I.D.                                    |
|     | 16W52       | Contact tip .052 .064 I.D.                                       |
|     | 16W116      | Contact tip 1/16" .073 I.D.                                      |
|     | 16W116A     | Contact tip 1/16" A .078 I.D.                                    |
|     | 16W564      | Contact tip 5/64" .093 I.D.                                      |
|     | 16W332      | Contact tip 3/32" .109 I.D.                                      |
| 2a. | 16WT35      | Tapered contact tip .035 .044 I.D.                               |
|     | 16WT45      | Tapered contact tip .045 .054 I.D.                               |
|     | 16WT52      | Tapered contact tip .052 .062 I.D.                               |
|     | 16WT116     | Tapered contact tip 1/16" .073 I.D.                              |
| 3.  | 26HTI       | Insulator, hi-temp   |
| 4.  | 56W         | Gas diffuser   |
| 5.  | 228         | O-ring, hi-temp  |
| 6.  | 229         | Washer, insulating   |
| 7.  | 66W50       | Gooseneck assembly 50° ( <b>standard</b> ) 8" o.a.l. from handle |
| 7a. | 66W50S      | Optional gooseneck assy. 50°(2" shorter) 6" o.a.l. from handle   |
| 7b. | 66W180      | Optional gooseneck assembly straight 8" o.a.l. from handle       |
| 8.  | 86W         | Handle, with screws  |
| 9.  | 126SS       | Short screw for handle (2 req'd)                                 |
| 10. | 96T         | Trigger  |
| 11. | 96S         | Switch   |
| 12. | 196         | Spring, trigger  |
| 14. | 601-12      | 12' Outer cover assembly   |
|     | 601-15      | 15' Outer cover assembly   |
| 15. | 602-12      | 12' Power cable assembly   |
|     | 602-15      | 15' Power cable assembly   |
|     | 602EQ-12    | 12' Power cable assembly (for Euro-Quick® guns)                  |
|     | 602EQ-15    | 15' Power cable assembly (for Euro-Quick® guns)                  |
| 16. | 603-12      | 12' Conduit assembly   |
|     | 603-15      | 15' Conduit assembly   |
| 17. | 604-12      | 12' Water in hose assembly, w/fittings                           |
|     | 604-15      | 15' Water in hose assembly, w/fittings                           |
| 18. | 605-12      | 12' Switch assembly, w/switch & terminals                        |
|     | 605-15      | 15' Switch assembly, w/switch & terminals                        |
| 19. | R186-S      | Spring strain relief   |
| 20. | 606         | Water out hose assembly, w/fittings                              |
| 21. | 168         | Hose clamp (2 req'd)   |
| 22. | 188         | Hose clamp (2 req'd)   |
| 23. | 66M         | Male quick connect fitting                                       |
| 24. | 66F         | Female quick connect fitting                                     |
| 25. | R186-H      | Housing, with screws   |
| 26. | R185-SC     | Screw for housing and handle (6 req'd)                           |
| 27. | 194         | Connector tab assembly   |
| 28. | 608W        | Block assembly   |
| 29. | 1R-W        | Screw plug   |
| 30. | 44C         | Set screw for liner, 8-32  |
| 31. | R174-T      | Connector, Standard  |
|     | R174-L      | Connector, Lincoln®  |
|     | R174-M      | Connector, Miller®   |
| 32. | 224         | O-ring for standard connector                                    |
| 33. | 44-3545-15  | 15' liner for .035-.045 wire                                     |
|     | 44N-3545-15 | 15' liner for .035-.047 aluminum wire                            |
|     | 44-116-15   | 15' liner for .052-1/16" wire                                    |
|     | 44N-116-15  | 15' liner for 1/16" aluminum wire                                |
|     | 44-564-15   | 15' liner for 5/64" wire   |
|     | 44-332-15   | 15' liner for 3/32" wire   |

Platinum 600  
Amp WC MIG Gun

#### TO ORDER DIRECT CONNECT WATER COOLED GUNS

- |  |  |                  |
|--|--|------------------|
| Standard -   | All wire feeders that accept the PROFAX rear adapter .....       | e.g. PWC-35-12   |
| Lincoln® Direct -  | Add an LN for the standard Lincoln® 3/4" dia. rear adapter ..... | e.g. PWCLN-35-12 |
| All other Lincoln® machines use the PROFAX standard rear adapter ..... | e.g. PWC-35-12   |                  |
| Miller® Direct -   | Add an M for all Miller® rear adapters .....                     | e.g. PWCM-35-12  |
| Euro-Quick -   | Add an X for all Euro-Quick rear adapters .....                  | e.g. PWCX-35-12  |

For adapter kits for other style feeders see page 86.

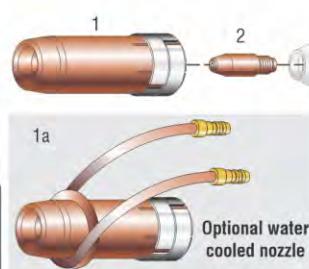


# BT-600/BT-600R\*/ST-600 Water Cooled Machine Torch

**PROFAX**



- .035-5/64" Wire (3/32" special order)
- 1-3/8" Round Body for Mounting (ST-600 body is 2" long, BT-600 body is 9" long)
- Ideal for Overlay & Buildup Applications
- Comes Standard with 30" Power Cable and Hose Assemblies & 60" QCC Conduit (Custom lengths available)
- Adapts Easily to Most Wire Feeders with PROFAX R174 Adapter Plugs



## BT-600 / ST-600 Parts List

| NO. | PROFAX NO. | DESCRIPTION                       | NO. | PROFAX NO.      | DESCRIPTION                     |
|-----|------------|-----------------------------------|-----|-----------------|---------------------------------|
| 1.  | 26W50F     | Nozzle 1/2" flush                 | 4.  | 56W             | Gas diffuser                    |
|     | 26W62F     | Nozzle 5/8" flush                 | 5.  | 228             | O-ring, hi-temp                 |
|     | 26W75F     | Nozzle 3/4" flush                 | 6.  | 229             | Washer, insulating              |
|     | 26W50R     | Nozzle 1/2" recessed              | 7.  | B600W           | Torch Head                      |
|     | 26W62R     | Nozzle 5/8" recessed (standard)   | 8.  | B600W-R         | Torch Head with 32 Pitch Rack   |
|     | 26W75R     | Nozzle 3/4" recessed              | 9.  | S600W           | Torch Head                      |
| 1a. | 26W50RWC   | 1/2" water cooled nozzle recessed | 10. | QCB             | Connector                       |
|     | 26W62RWC   | 5/8" water cooled nozzle recessed | 11. | 205             | Insulator                       |
|     | 26W75RWC   | 3/4" water cooled nozzle recessed | 12. | QCC-60          | Conduit 60" length              |
| 2.  | 16W35      | Contact tip .035 .044 I.D.        | 13. | QCF-1/2         | Connector                       |
|     | 16W45      | Contact tip .045 .054 I.D.        | 14. | 206             | Heat Shrink                     |
|     | 16W364A    | Contact tip 3/64" A .060 I.D.     | 15. | S601            | Gas hose 30" length             |
|     | 16W52      | Contact tip .052 .062 I.D.        | 16. | S602            | Power cable assembly 30" length |
|     | 16W116     | Contact tip 1/16" .073 I.D.       | 17. | S603            | Water hose 30" length           |
|     | 16W116A    | Contact tip 1/16" A .078 I.D.     | 18. | 44-Series Liner | Liner (Cut to length)           |
|     | 16W564     | Contact tip 5/64" .093 I.D.       | 19. | BT600-OR        | O-ring                          |
|     | 16W332     | Contact tip 3/32" .109 I.D.       | 20. | 45V11           | Power cable adapter             |
| 3.  | 26HTI      | Insulator, hi-temp                |     |                 |                                 |

Optional: Remote Start Switch





## QUICK REFERENCE SELF-SHIELDED FLUX CORE GUNS

**PROFAX**

|       |  | AMPERAGE | PAGE  |
|-------|--|----------|-------|
| 130GL |  | 130      | 92-93 |

|      |  |     |       |
|------|--|-----|-------|
| 1260 |  | 350 | 94-95 |
|------|--|-----|-------|

|      |  |     |       |
|------|--|-----|-------|
| 1150 |  | 450 | 96-97 |
|------|--|-----|-------|

## SUBARC GUNS

|      |  |     |     |
|------|--|-----|-----|
| 1130 |  | 600 | 100 |
|------|--|-----|-----|

|      |  |     |     |
|------|--|-----|-----|
| 1140 |  | 600 | 101 |
|------|--|-----|-----|

|         |  |     |         |
|---------|--|-----|---------|
| NG-550  |  | 550 | 99      |
| AEC 550 |  | 550 | 102-103 |

|                |  |     |     |
|----------------|--|-----|-----|
| SMALL BORE 550 |  | 550 | 104 |
|----------------|--|-----|-----|

## INTERNAL MIG TORCH

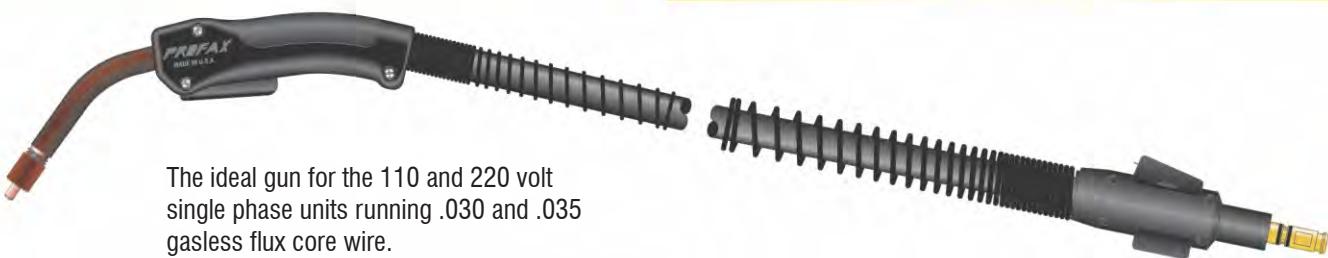
|         |  |     |     |
|---------|--|-----|-----|
| IMT 250 |  | 250 | 105 |
|---------|--|-----|-----|



# 130GL Self Shield Flux Core Gun

**PROFAX**

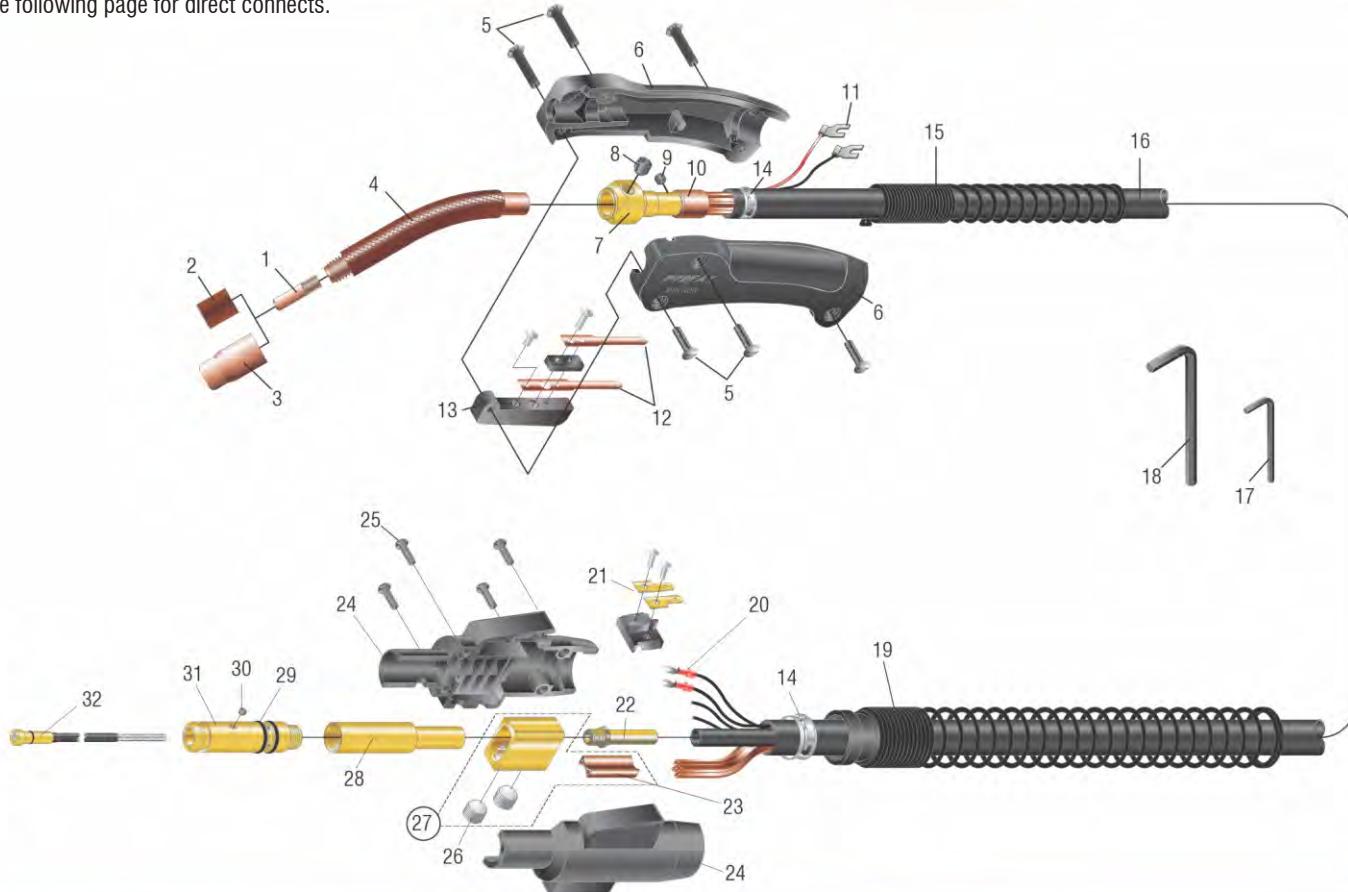
**130 AMP**



The ideal gun for the 110 and 220 volt single phase units running .030 and .035 gasless flux core wire.

| PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE | PROFAX NO.    | LENGTH | WIRE SIZE |
|---------------|--------|-----------|---------------|--------|-----------|---------------|--------|-----------|
| 130GL-3035-10 | 10'    | .030-.035 | 130GL-3035-12 | 12'    | .030-.035 | 130GL-3035-15 | 15'    | .030-.035 |

\*See following page for direct connects.



**130GL  
Self-Shielded**

## 130GL Gun Parts List

| NO. | PROFAX NO. | DESCRIPTION                        | NO. | PROFAX NO. | DESCRIPTION                     | NO. | PROFAX NO. | DESCRIPTION                   |
|-----|------------|------------------------------------|-----|------------|---------------------------------|-----|------------|-------------------------------|
| 1.  | 12-650     | Contact tip .030                   | 14. | 0155       | Cable clamp                     | 26. | A-532-24   | 9/16" ball point screws       |
|     | 12-651     | Contact tip .035                   | 15. | 180-6S     | Spring strain relief for handle | 27. | 104        | Cable connector block assy.   |
| 2.  | 11-231     | Thread protector                   | 16. | 180-10     | 10' replacement cable assy.     | 28. | R172-UA    | Standard connector plug w/62N |
| 3.  | 11-250     | Insulated nozzle - optional        |     | 180-12     | 12' replacement cable assy.     |     | R172-UAG   | Conn. plug w/gas hole w/62N   |
| 4.  | 13-300     | Gooseneck 45°                      |     | 180-15     | 15' replacement cable assy.     | 29. | 224        | O-ring                        |
| 5.  | 122FM-SET  | Binders(4ea.) & screws(4ea.)       |     | 180K       | Bulk cable (per foot)           | 30. | 44C        | Set screw for conduit 8-32    |
| 6.  | 180G       | Handle with binder screws          | 17. | 44-25      | Hex wrench 5/64"                | 31. | R174-C     | Connector, Century®           |
| 7.  | 180-1      | Cable connector block assy.        | 18. | AL-300-532 | Hex wrench 5/32"                |     | R174-E     | Connector, Esab®              |
| 8.  | 516-24     | Conductor tube set screw (5/16-24) | 19. | R185-S     | Spring                          |     | R174-H     | Connector, Hobart®            |
| 9.  | 44C        | Set screw for conduit 8-32         | 20. | 244        | Terminal                        |     | R174-L     | Connector, Lincoln®           |
| 10. | 110-CS1    | Crimp sleeve                       | 21. | 194        | Connector tab assembly          |     | R174-M     | Connector, Miller®            |
| 11. | 18FT       | Flag terminals (2)                 | 22. | 62N        | Nipple                          |     | R174-T     | Connector, standard PROFAX    |
| 12. | 92C        | Switch contacts (2) w/screws       | 23. | 114        | Separator                       | 32. | 42-3035-15 | 15' wire conduit assembly     |
| 13. | 92         | Trigger switch assembly            | 24. | R185-H     | Housing                         |     |            |                               |
|     |            |                                    | 25. | R185-SC    | Screws for housing (4)          |     |            |                               |



## 130GL Self Shield Flux Core Gun Direct Connect Gun Packages

**PROFAK**

The following direct connects are available by placing the letters shown before the gun package number.  
Example: add an "M" to 130GL-3035-10; M130GL-3035-10 is now a Miller® direct connection.

**C-Century®:** Powermate 90,160, & 225. Solar®125 (New -1982), Solar®165 (New-1982) Solar®2-175 (New-1982), Solar®2120 and Portable MIG. Snap-On® YA 212,YA219C Portable mig and YA205.



**CK-Systematics®:** MP-140, 175, 230 and 250. Snap-On®(by Systematics) YA212.



**HH-Hobart®:** Handler 120, 130 & 150, Betamig 170 and 1800. 10ft. guns only.



**H10-Hobart®:** Handler 130XL, 135 and 175.



**LH-Lincoln®:** SP85, SP100, SP100T, SP125 Plus, SP130T, SP135 Plus, SP135T, SP140I, SP170T, SP175T, SP175 Plus, Weldpack 100, 100 Plus, 125, 155.



**Hobart®:** Betamig 200, 250 and 251.

**LN-Lincoln®:** SP150, SP200



**LP-Lincoln®:** Powermig 140C and 180C. Also SP-140T and SP-180T



**M-Miller®:** Cricket, Cricket XL, Challenger, Sidekick, Sidekick XL, Millermatic 90,120,130, 135, 140, 141, 150, 175, 180, 185, 190, 200, 210, 211, 212, 250, 250x, 251, 252, 300, 350, 350P, Pulser and Vintage. Millermatic 35 (after Jan.1980 beginning with s/n JA356001). 22, 50, 60, and 70 series feeders. X-Treme® 8VS, 12RC and 12VS



**Hobart®:** Betamig 2510 and Olympic VS.

130GL  
Direct Connect

| PROFAX NO.       | DESCRIPTION                          | TIP I.D.     | PROFAX NO.         | DESCRIPTION |                                      |
|------------------|--------------------------------------|--------------|--------------------|-------------|--------------------------------------|
| 12-650<br>12-651 | Contact tip .030<br>Contact tip .035 | .038<br>.044 | 5/16 - 18 Thd.<br> | 11-250      | Insulated nozzle 1 1/4" stickout<br> |
| 11-231           | Thread protector                     |              | 1/2 - 13 Thd.<br>  |             |                                      |



## 1260 & 2640 Self Shield Flux Core Guns

**PROFAX**

| PROFAX NO.      | LINCOLN® PART NO. | WIRE SIZES   |
|-----------------|-------------------|--|
| <b>1260 Gun</b> |                   |  |
| 1260-10         | K126-1            | .035", .045", 1/16", .068, .072, 5/64" and 3/32"                                     |
| 1260-15         | K126-2            | For use with Lincoln® LN7, LN8, LN9, LN25 and LN25 Pro with K1500-1 receiver bushing |
| 1260-10MLR      |                   |  |
| 1260-15MLR      |                   | For use with Miller® voltage sensing wire feeders.                                   |
| 1260-10LP       |                   |  |
| 1260-15LP       |                   | For use on Lincoln® LN25 Pro with K1500-2 receiver bushing                           |
| X1260-10        |                   |  |
| X1260-15        |                   | For use with euro style wire feeders.  |
| <b>2640 Gun</b> |                   |  |
| 2640-8          | K264-8            |  |
| 2640-10         | K361-10           | LN22, LN23   |
| 2640-15         |                   |  |

\*Specify wire size when ordering.

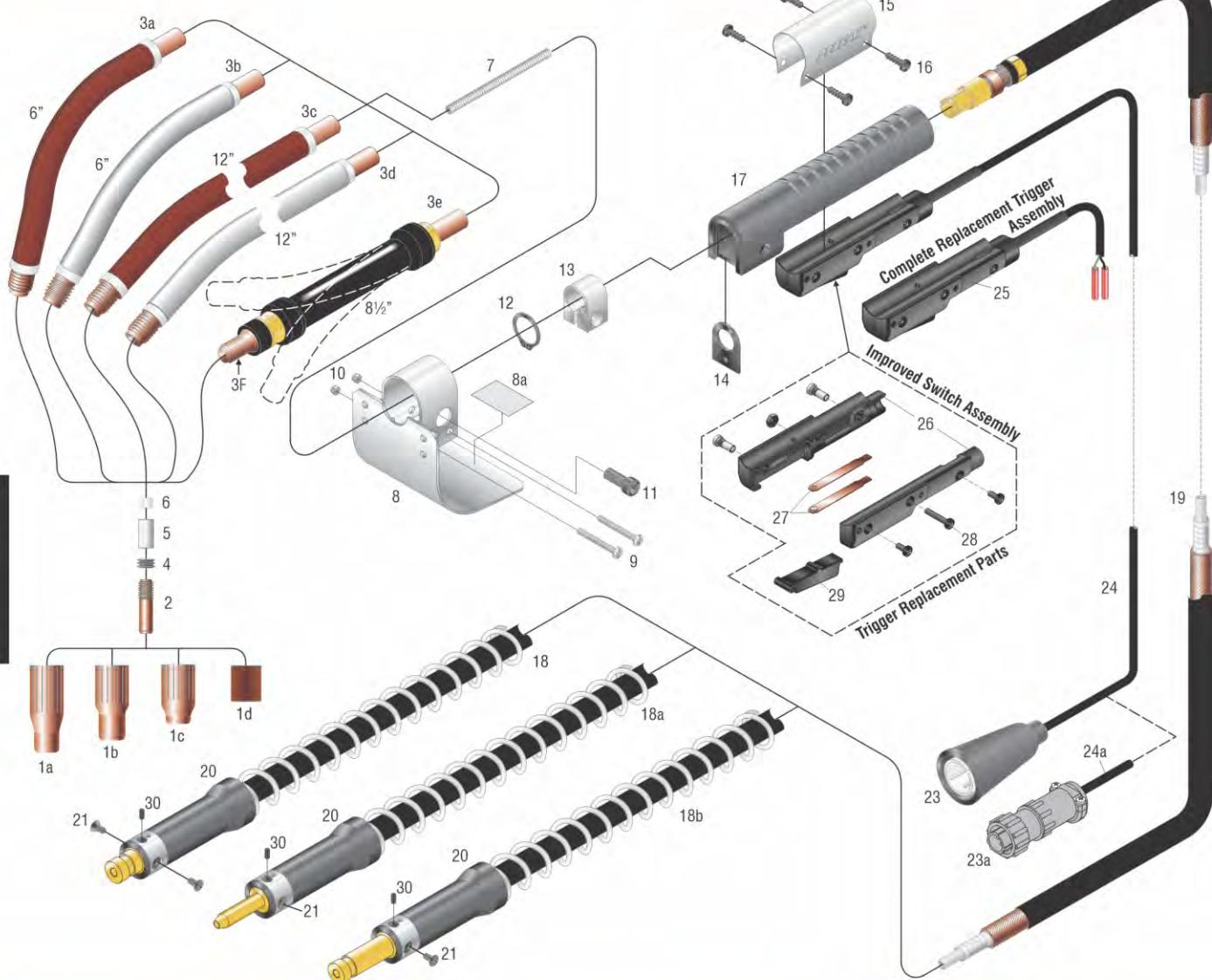
## 350 AMP



### STANDARD FEATURES

- Economical replacement components including liner
- 350 amps / 60% duty cycle
- Wide variety of wire sizes
- Easy field repair
- Adapter kits available for most models of feeders

Special length and bend goosenecks available upon request.



### Adapter Kits

| PROFAX NO.  | DESCRIPTION   | PROFAX NO.  | DESCRIPTION   |
|-------------|---|-------------|---|
| AEC-1001MLR | Miller® adapter kit for converting your standard 1260 guns to fit Miller® feeders | AEC-1000HOB | For converting your standard 1260 guns to fit Hefty® & LN25 Pro w/K1500-2 adapter bushing |



# **1260 Parts List**

**PROFAX**

| NO. | PROFAX NO. | DESCRIPTION                                     | NO.    | PX NO.                                 | DESCRIPTION                                     |      |
|-----|------------|---|--------|--|---|------|
| 1A  | 11-275     | Insulated nozzle 2-3/4" stickout                | 8A     | 14-270                                 | INCLUDES  |      |
| 1B  | 11-200     | Insulated nozzle 2" stickout                    | 9      | 18-780                                 | Caution decal                                   |      |
| 1C  | 11-250     | Insulated nozzle 1-1/4" stickout                | 10     | 18-781                                 | Round head screw #8-32 x 1.50 (2 req'd)         |      |
| 1D  | 11-231     | Thread protector ( <b>standard</b> )            | 11     | 14-222                                 | Hex cap nut #8-32 (2 req'd)                     |      |
| 2   | 12-651     | Contact tip .035 .044 I.D.                      | 12     | 18-480                                 | Socket head cap screw                           |      |
|     | 12-652     | Contact tip .045 .054 I.D.                      | 13     | 14-572                                 | Retaining ring                                  |      |
|     | 12-658     | Contact tip .052 .063 I.D.                      | 14     | 14-819                                 | Clamp   |      |
|     | 12-653     | Contact tip 1/16" .078 I.D.                     | 15     | 14-297                                 | Spatter shield                                  |      |
|     | 12-654     | Contact tip .068-.072 .086 I.D.                 | 16     | 126SS                                  | Switch housing clamp                            |      |
|     | 12-656     | Contact tip 5/64" .093 I.D.                     | 17     | 14-340                                 | Screw for switch housing clamp (4 req'd)        |      |
|     | 12-657     | Contact tip 3/32" .108 I.D.                     | 18     | 15-310                                 | Handle  |      |
| 3A  | 13-301     | 30° Gooseneck 6" ( <b>standard</b> )            | 18a    | 15-310M                                | Conductor cable assembly 10' (Lincoln® Direct)  |      |
|     | 13-301SB   | 30° Gooseneck 6" single bend                    | 18b    | 15-315                                 | Conductor cable assembly 15' (Lincoln® Direct)  |      |
|     | 13-304     | 50° Gooseneck 6"                                | 18a    | 15-310M                                | Conductor cable assembly 10' (Miller® Direct)   |      |
|     | 13-304SB   | 50° Gooseneck 6" single bend                    | 18b    | 15-315M                                | Conductor cable assembly 15' (Miller® Direct)   |      |
|     | 13-309     | 90° Gooseneck 8"                                | 18a    | 15-310LP                               | Conductor cable assembly 10' (LN25 PRO® Direct) |      |
|     | 13-301-5   | 5° Gooseneck 6"                                 | 18b    | 15-315LP                               | Conductor cable assembly 15' (LN25 PRO® Direct) |      |
|     | 13-309-5   | 5° Gooseneck 8"                                 | 19     | 15-128                                 | <b>INCLUDES</b>                                 |      |
| 3B  | 13-301J    | 30° Jacketed gooseneck 6"                       | 15-129 | Replacement liner 10', .035-1/16 wires | .078  |      |
|     | 13-301SBJ  | 30° Jacketed gooseneck 6" single bend           | 15-130 | Replacement liner 10', .068-5/64 wires | .132  |      |
|     | 13-304J    | 50° Jacketed gooseneck 6"                       | 15-133 | Replacement liner 10', 3/32 wires      | .150  |      |
|     | 13-304SBJ  | 50° Jacketed gooseneck 6" single bend           | 15-134 | Replacement liner 15', .035-1/16 wires | .078  |      |
|     | 13-309J    | 90° Jacketed gooseneck 8"                       | 15-135 | Replacement liner 15', .068-5/64 wires | .130  |      |
|     |            |   | 20     | 15-135                                 | Replacement liner 15', 3/32 wires               | .150 |
| 3C  | 13-306     | 30° Gooseneck (XL 12")                          | 21     | 15-531                                 | .248  |      |
|     | 13-306SB   | 30° Gooseneck (XL 12") single bend              | 22     | 18-881                                 | Insulator sleeve w/spring                       |      |
|     | 13-306-5   | 5° Gooseneck (XL 12")                           | 23     | 16-052                                 | Flat head cap screw #8-32 x 3/8" (2 req'd)      |      |
|     | 13-308     | 50° Gooseneck (XL 12")                          | 23a    | 079878                                 | Trigger plug Lincoln®                           |      |
|     | 13-308SB   | 50° Gooseneck (XL 12") single bend              | 24     | 16-910                                 | Trigger plug Miller®                            |      |
| 3D  | 13-306J    | 30° Jacketed gooseneck (XL 12")                 | 24a    | 16-910M                                | New style assembly 10' (Lincoln® Direct)        |      |
|     | 13-306SBJ  | 30° Jacketed gooseneck (XL 12") single bend     | 24b    | 16-915                                 | New style assembly 15' (Lincoln® Direct)        |      |
|     | 13-308J    | 50° Jacketed gooseneck (XL 12")                 | 24a    | 16-910M                                | New style assembly 10' (Miller® Direct)         |      |
|     | 13-308SBJ  | 50° Jacketed gooseneck (XL 12") single bend     | 24b    | 16-915M                                | New style assembly 15' (Miller® Direct)         |      |
| 3E  | LFX-1260   | Flexible gooseneck for extreme heat             | 25     | 16-500                                 |   |      |
| 3F  | LFA-1      | Adapter (replaceable)                           | 26     | 16-501                                 | Complete trigger assembly (New Style)           |      |
|     |            | <b>INCLUDES</b>                                 | 27     | 16-502                                 | Trigger housing (both halves) (New Style)       |      |
| 4   | 18-950     | Liner locking screw 5/16"-18                    | 28     | 16-503                                 | Trigger (New Style)                             |      |
| 5   | 18-940     | Steel insert                                    | 29     | 16-504                                 | Contact set (New Style)                         |      |
| 6   | 18-930     | Ceramic insert                                  | 30     | 18-628                                 | Screw set (6 pieces) (New Style)                |      |
| 7   | 13-506     | Replacement gooseneck liner ( <b>standard</b> ) |        |  | Trigger (New Style)                             |      |
|     | 13-512     | Replacement gooseneck liner (XL 30°)            |        |  | Socket head screw #8-32 x 7/16"                 |      |
|     | 13-515     | Replacement gooseneck liner (XL 50°)            |        |  |   |      |
| 8   | 14-268     | Small heat shield assembly                      |        |  |   |      |

1260 & 2640

| PROFAX NO. | DESCRIPTION                      | TIP I.D. | PROFAX NO.  | DESCRIPTION                          |
|------------|----------------------------------|----------|---|--------------------------------------|
| 12-651     | Contact tip .035                 | .044     |   |                                      |
| 12-652     | Contact tip .045                 | .054     |   |                                      |
| 12-658     | Contact tip .052                 | .063     | 5/16" - 18 Thd.<br>5/16"<br>1-1/8"                | 11-250 Insulated nozzle 1¼" stickout |
| 12-653     | Contact tip 1/16"                | .078     |   |                                      |
| 12-654     | Contact tip .068-.072            | .086     |   |                                      |
| 12-656     | Contact tip 5/64"                | .093     |   |                                      |
| 12-657     | Contact tip 3/32"                | .108     |   |                                      |
|            |                                  |          | *See page 199 for longer length contact tips.     |                                      |
| 11-275     | Insulated nozzle 2-3/4" stickout | .312"    | 11-200  | Insulated nozzle 2" stickout         |
|            |                                  |          | 1/2 - 13 Thd.<br>.313"<br>1.405"<br>1/2 - 13 Thd. |                                      |
|            |                                  |          | 1/2 - 13 Thd.<br>.312"<br>1.850"<br>1/2 - 13 Thd. |                                      |
|            |                                  |          | 11-231 Thread protector                           | 3/8"<br>3/4"                         |



# 1150 Self Shield Flux Core Gun

**PROFAX**

| PROFAX NO. | LINCOLN® PART NO. | WIRE SIZES  |
|------------|-------------------|---|
| 1150-10'   | K115-1            | 5/64", 3/32", 7/64" and .120 Set up for LN7, LN8, LN9, and LN25 |
| 1150-15'   | K115-2            |   |
| 1150-10MLR |                   | For use with Miller® voltage sensing feeders                    |
| 1150-15MLR |                   |   |
| 1150-10LP  |                   | For use on Lincoln® LN25 Pro with K1500-2 receiver bushing      |
| 1150-15LP  |                   |   |

\*Specify wire size when ordering.

**450 AMP**



## STANDARD FEATURES

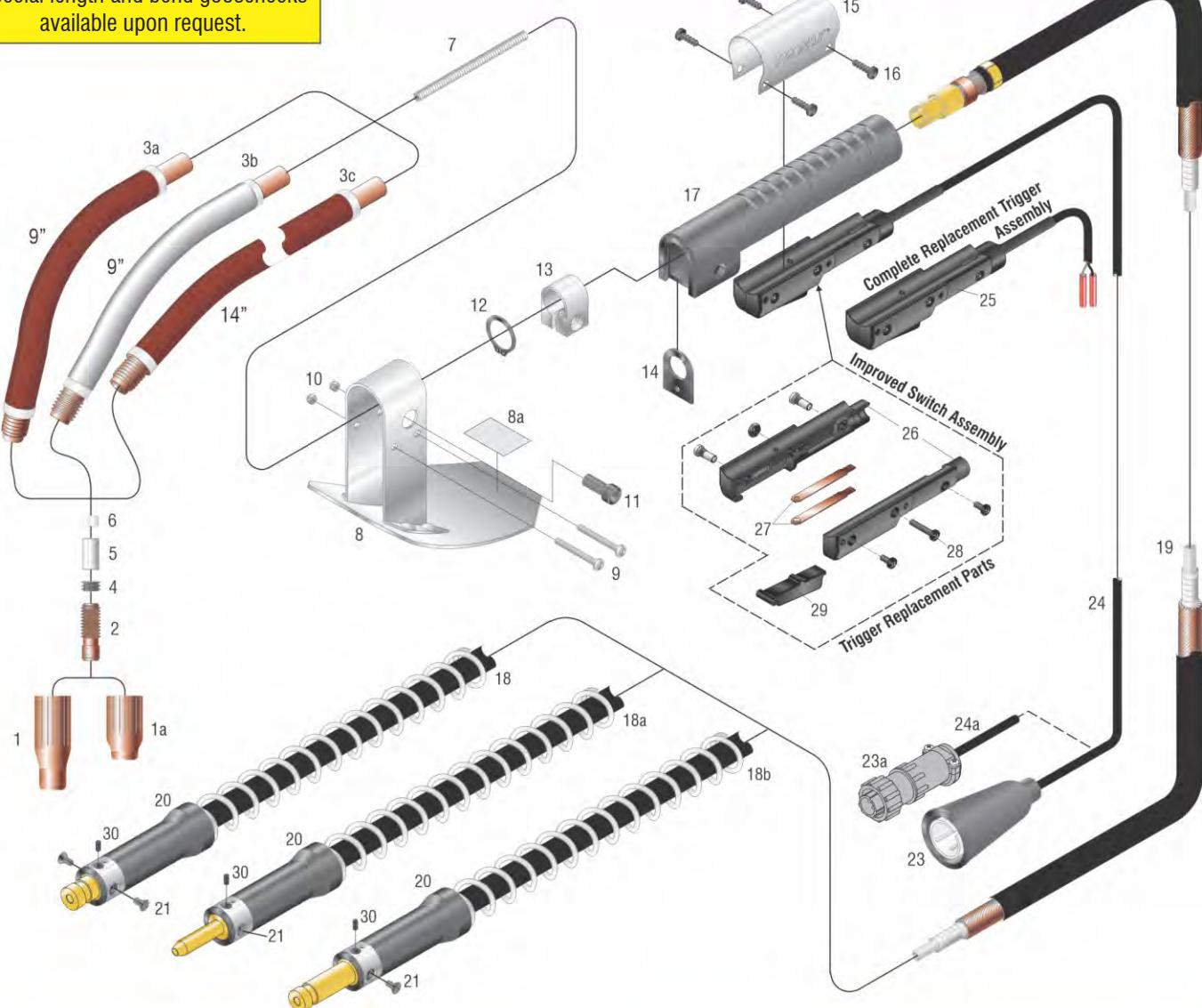
- Economical replacement components including liner
- 450 amps / 60% duty cycle
- Wide variety of wire sizes
- Easy field repair
- Adapter kits available for most models of feeders

The 1150 Gun will run 5/64", 3/32", 7/64" and .120 wire. It comes setup for use with the LN-7, LN-8, LN-9 and LN-25 wire feeders. Adapter kits are available for Miller® and Hobart® voltage sensing feeders.

**NOTE:** For best operation all 1150 flux core guns for 3/32" and larger wire sizes will be shipped with the 13-443-25 25° gooseneck.

Special length and bend goosenecks available upon request.

**1150**



## Adapter Kits

| PROFAX NO.  | DESCRIPTION   | PROFAX NO.  | DESCRIPTION  |
|-------------|---|-------------|--|
| AEC-1000MLR | Miller® adapter kit for converting your standard 1150 guns to fit Miller® feeders | AEC-1000HOB | Hobart® adapter kit for converting your standard 1150 guns to fit Hefty® feeders |

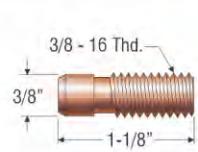
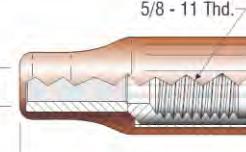
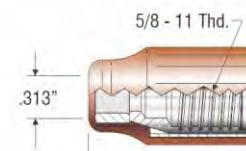


# 1150 Parts List

**PROFAX**

| NO. | PROFAX NO.   | DESCRIPTION  | NO.     | PX NO.   | DESCRIPTION                                     |
|-----|--|--|---------|--|---|
| 1   | 11-450   | Insulated nozzle 2 3/4" stickout (standard)  | 13      | 14-572   | Clamp   |
| 1A  | 11-455   | Insulated nozzle 2" stickout   | 14      | 14-819   | Spatter shield                                  |
| 2   | 12-873<br>12-874<br>12-875<br>12-876<br>12-877<br>12-878<br>12-880 | Contact tip 1/16"<br>Contact tip .068<br>Contact tip .072<br>Contact tip 5/64"<br>Contact tip 3/32"<br>Contact tip 7/64"<br>Contact tip .120-1/8"  | 15      | 14-297   | Switch housing clamp                            |
| 3A  | 13-441<br>13-443<br>13-443-25<br>13-484<br>13-486                  | 45° Gooseneck 1/16"-5/64" - 9"<br>45° Gooseneck 3/32"-1/8" - 9"<br>25° Gooseneck 3/32"-1/8" - 9" (standard)<br>82° Gooseneck 1/16"-5/64" - 9"<br>82° Gooseneck 3/32"-1/8" - 9"                                   | 18b     | 15-410LP   | Conductor cable assembly 10' (Lincoln® Direct)  |
|     |  | See page 99<br>for more<br>details on<br>goosenecks  | 15      | 15-415LP   | Conductor cable assembly 15' (LN25 PRO® Direct) |
| 3B  | 13-441J<br>13-443J<br>13-443-25J<br>13-484J<br>13-486J             | 45° Jacketed gooseneck 1/16"-5/64" - 9"<br>45° Jacketed gooseneck 3/32"-1/8" - 9"<br>25° Jacketed gooseneck 3/32"-1/8" - 9"<br>82° Jacketed gooseneck 1/16"-5/64" - 9"<br>82° Jacketed gooseneck 3/32"-1/8" - 9" | 19      | 15-140   | INCLUDES<br>I.D.      O.D.                      |
|     |  | 15   | 15-145  | Replacement liner 10', 1/16"-5/64"      .156      .300 |   |
|     |  | 15   | 15-150  | Replacement liner 15', 1/16"-5/64"      .156      .300 |   |
|     |  | 15   | 15-160  | Replacement liner 10', 3/32"-1/8"      .180      .300  |   |
|     |  | 20   | 15-531  | Replacement liner 15', 3/32"-1/8"      .180      .300  |   |
|     |  | 21   | 18-881  | Insulator sleeve w/spring                              |   |
|     |  | 23   | 16-052  | Flat head cap screw #8-32 x 3/8" (2 req'd)             |   |
| 3C  | 13-443-14<br>13-443-14J  | 82° Trigger plug Lincoln®<br>82° Trigger plug Miller®  | 23a     | 079878   | Trigger plug Lincoln®                           |
|     |  | 24   | 16-910  | Trigger plug Miller®                                   |   |
| 4   | 18-965   | New style assembly 10' (Lincoln® Direct)   | 16-915  | New style assembly 15' (Lincoln® Direct)               |   |
| 5   | 18-960   | New style assembly 10' (Miller® Direct)  | 16-910M | New style assembly 15' (Miller® Direct)                |   |
| 6   | 18-912<br>18-932   | New style assembly 10' (Miller® Direct)  | 16-915M | New style assembly 15' (Miller® Direct)                |   |
| 7   | 13-633<br>13-641<br>13-624   | Complete trigger assembly (New Style)  | 25      | 16-500   | Trigger housing (both halves) (New Style)       |
| 8   | 14-269   | Trigger set (New Style)  | 26      | 16-501   | Trigger (New Style)                             |
|     |  | 27   | 16-502  | Contact set (New Style)                                |   |
|     |  | 28   | 16-503  | Screw set (6 pieces) (New Style)                       |   |
|     |  | 29   | 16-504  | Trigger (New Style)                                    |   |
|     |  | 30   | 18-628  | Socket head screw #8-32 x 7/16"                        |   |

1150

| PROFAX NO. | DESCRIPTION           | TIP I.D. | PROFAX NO. | DESCRIPTION   |
|------------|-----------------------|----------|------------|---|
| 12-873     | Contact tip 1/16"     | .078     |            |   |
| 12-874     | Contact tip .068      | .083     |            |   |
| 12-875     | Contact tip .072      | .087     |            |   |
| 12-876     | Contact tip 5/64"     | .093     |            |   |
| 12-877     | Contact tip 3/32"     | .109     |            |   |
| 12-878     | Contact tip 7/64"     | .125     |            |   |
| 12-880     | Contact tip .120-1/8" | .140     |            |   |
|            |                       |          | 11-450     | Insulated nozzle 2-3/4" stickout  |
|            |                       |          |            |          |
|            |                       |          | 11-455     | Insulated nozzle 2" stickout  |
|            |                       |          |            |  |
|            |                       |          |            |  |

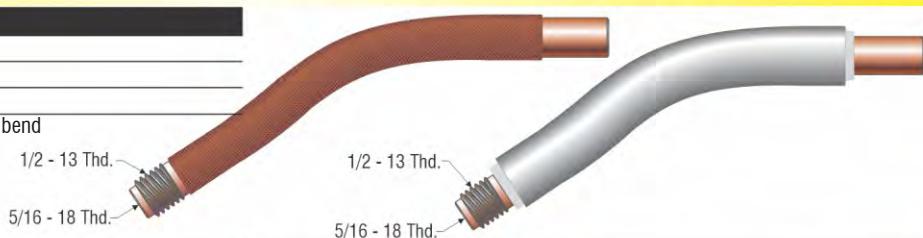


## 1260 GOOSENECKS

**PROFAX**

| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| 13-301     | 30° gooseneck 6"                      |
| 13-301J    | 30° jacketed gooseneck 6"             |
| 13-301SB   | 30° gooseneck 6" single bend          |
| 13-301SBJ  | 30° jacketed gooseneck 6" single bend |

Used on 1260



| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| 13-304     | 50° gooseneck 6"                      |
| 13-304J    | 50° jacketed gooseneck 6"             |
| 13-304SB   | 50° gooseneck 6" single bend          |
| 13-304SBJ  | 50° jacketed gooseneck 6" single bend |

Used on 1260



| PROFAX NO. | DESCRIPTION                            |
|------------|--|
| 13-306     | 30° gooseneck 12"                      |
| 13-306J    | 30° jacketed gooseneck 12"             |
| 13-306SB   | 30° gooseneck 12" single bend          |
| 13-306SBJ  | 30° jacketed gooseneck 12" single bend |

Used on 1260



Special length and bend jacketed goosenecks available upon request.

| PROFAX NO. | DESCRIPTION                            |
|------------|--|
| 13-308     | 50° gooseneck 12"                      |
| 13-308J    | 50° jacketed gooseneck 12"             |
| 13-308SB   | 50° gooseneck 12" single bend          |
| 13-308SBJ  | 50° jacketed gooseneck 12" single bend |

Used on 1260



| PROFAX NO. | DESCRIPTION               |
|------------|---------------------------|
| 13-309     | 90° gooseneck 8"          |
| 13-309J    | 90° jacketed gooseneck 8" |

Used on 1260



| PROFAX NO. | DESCRIPTION               |
|------------|---------------------------|
| 13-301-5   | 5° gooseneck 6"           |
| 13-301-5J  | 5° jacketed gooseneck 6"  |
| 13-306-5   | 5° gooseneck 12"          |
| 13-306-5J  | 5° jacketed gooseneck 12" |
| 13-309-5   | 5° gooseneck 8"           |
| 13-309-5J  | 5° jacketed gooseneck 8"  |



Used on 1260



## 1150 GOOSENECKS

**PROFAX**

| PROFAX NO. | DESCRIPTION                                      |
|------------|--|
| 13-484     | 82° gooseneck 9" 1/16"- 5/64"                    |
| 13-484J    | 82° jacketed gooseneck 9" 1/16"- 5/64"           |
| 13-486     | 82° gooseneck 9" 3/32"                           |
| 13-486J    | 82° jacketed gooseneck 9" 3/32"                  |
| 13-486SB   | 82° gooseneck 9" 3/32" w/o reverse bend          |
| 13-486SBJ  | 82° jacketed gooseneck 9" 3/32" w/o reverse bend |

Used on 1150



| PROFAX NO. | DESCRIPTION   |
|------------|---|
| 13-441     | 45° gooseneck 9" 1/16"-5/64"                            |
| 13-441J    | 45° jacketed gooseneck 9" 1/16"-5/64"                   |
| 13-443     | 45° gooseneck 9" 3/32" - 1/8"                           |
| 13-443J    | 45° jacketed gooseneck 9" 3/32" - 1/8"                  |
| 13-443SB   | 45° gooseneck 9" 3/32" - 1/8" w/o reverse bend          |
| 13-443SBJ  | 45° jacketed gooseneck 9" 3/32" - 1/8" w/o reverse bend |

Used on 1150



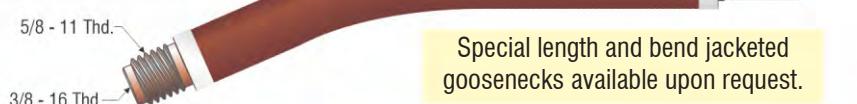
| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| 13-443-14  | 5° gooseneck 14" 3/32" -1/8"          |
| 13-443-14J | 5° jacketed gooseneck 14" 3/32" -1/8" |

Used on 1150



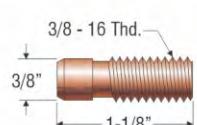
| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| 13-443-25  | 25° gooseneck 9" 3/32" -1/8"          |
| 13-443-25J | 25° jacketed gooseneck 9" 3/32" -1/8" |

Used on 1150



### Vertical Up

#### MSHOE-1



### SUB ARC

#### K176



Specify wire size  
when ordering.

**Also Available:  
NG-550M for Miller®**

#### MSHOE-2

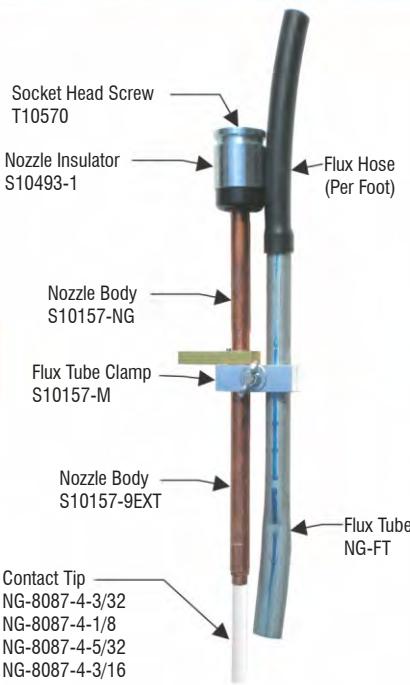


For use with  
contact tip series

- T14157-1/16
- T14157-072
- T14157-5/64
- T14157-3/32
- T14157-7/64
- T14157-120
- T14157-1/8

Custom built to your specifications.

### NG-550 for Lincoln® Narrow Groove Welding Head





# **1130 Sub Arc Gun - 600 AMP**

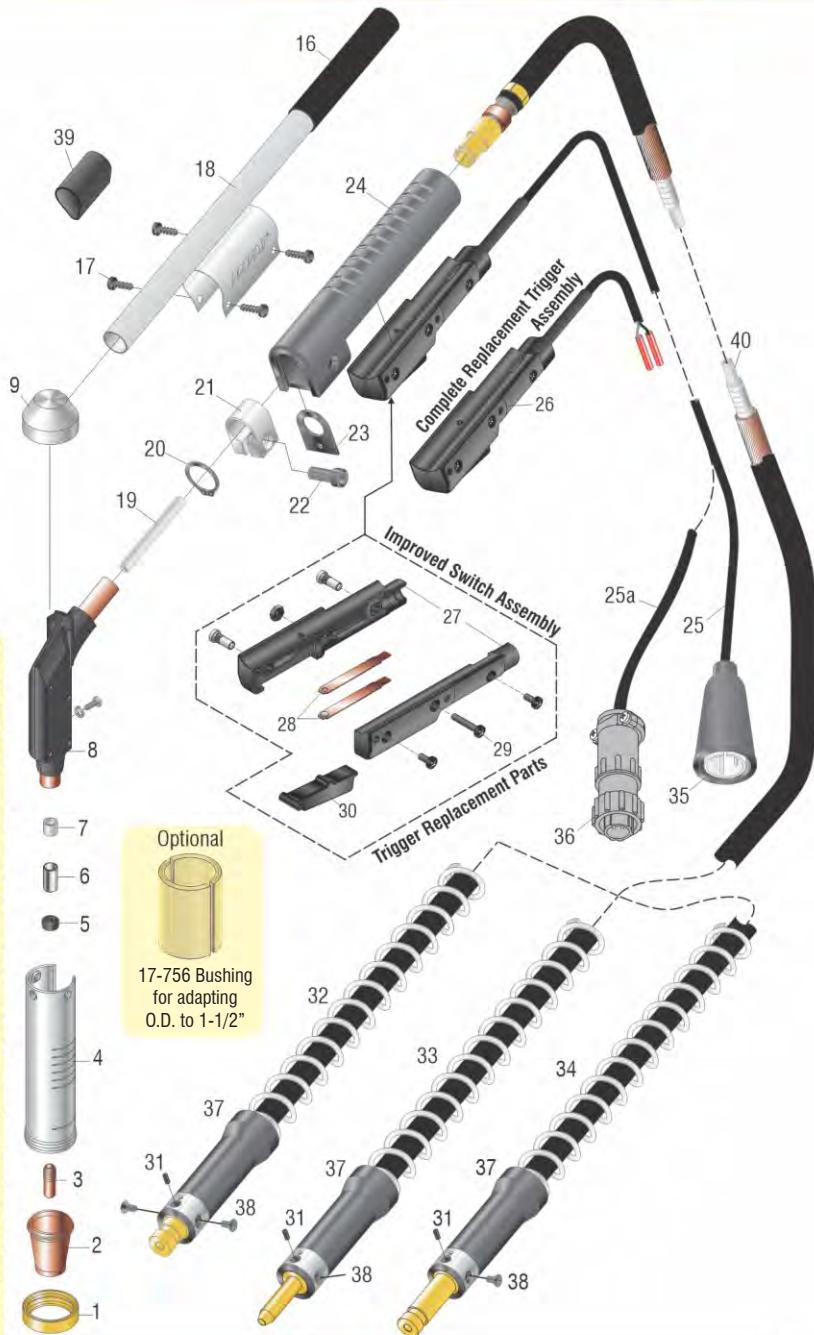
**PROFESSIONAL**

| <b>PROFAX NO.</b> | <b>LINCOLN® PART NO.</b> | <b>WIRE FEEDER</b>   |
|-------------------|--------------------------|--|
| 1130-10'          | K-113                    | Lincoln® LN7, LN8, and LN9                                 |
| 1130-15'          |                          | For use on Lincoln® LN25 Pro with K1500-2 receiver bushing |
| 1130M-10          |                          | Miller® 50, 60, and 70 series                              |
| 1130M-15          |                          |  |

\*Specify wire size when ordering.

#### **STANDARD FEATURES**

- Economical replacement components including liner
  - 600 amps / 60% duty cycle
  - Easy field repair
  - 1/16", 5/64", and 3/32" wire



1130  
SUBARC

| NO. | PX NO.   | DESCRIPTION                  | NO. | PX NO.   | DESCRIPTION                              | NO. | PX NO.   | DESCRIPTION                          |      |
|-----|----------|------------------------------|-----|----------|--|-----|----------|--------------------------------------|------|
| 1   | 17-750   | Collar                       | 15  | S550HS   | Replacement screws (3)                   | 29  | 16-503   | Screw set (6 pieces) (New Style)     |      |
| 2   | 11-550   | Nozzle flux cone 1/2"        | 16  | 17-710   | Hose 15'                                 | 30  | 16-504   | Trigger (New Style)                  |      |
|     | 11-562   | Nozzle flux cone 5/8"(std.)  | 17  | 17-715   | Hose 21'                                 | 31  | 18-628   | Socket head screw #8-32 x 7/16"      |      |
|     | 11-575   | Nozzle flux cone 3/4"        | 17  | 126SS    | Screw for switch housing clamp (4)       | 32  | 15-610   | Conductor cable assy .10'(Lincoln®)  |      |
| 3   | 12-653   | Contact tip 1/16"            | 18  | 17-770   | Clamp and flux tube assembly             |     | 15-615   | Conductor cable assy. 15'(Lincoln®)  |      |
|     | 12-656   | Contact tip 5/64"            | 18a | 14-297   | Switch housing clamp                     | 33  | 15-610M  | Conductor cable assy. 10'(Miller®)   |      |
|     | 12-657   | Contact tip 3/32"            | 19  | 13-400JL | Replacement gooseneck liner              |     | 15-615M  | Conductor cable assy. 15'(Miller®)   |      |
| 4   | 17-755   | Housing                      | 20  | 18-480   | Retaining ring                           | 34  | 15-610LP | Conductor cable assy. 10'(LN25 Pro)  |      |
| 5   | 18-950   | Liner locking screw 5/16"-18 | 21  | 14-572   | Clamp                                    |     | 15-615LP | Conductor cable assy. 15'(LN25 Pro)  |      |
| 6   | 18-940   | Steel insert                 | 22  | 14-222   | Socket head cap screw                    | 35  | 16-052   | Trigger plug Lincoln®                |      |
| 7   | 18-930   | Ceramic insert               | 23  | 14-819   | Spatter shield                           | 36  | 079878   | Trigger plug Miller®                 |      |
| 8   | 13-400   | Gooseneck for 1/16" & 5/64"  | 24  | 14-340   | Handle                                   | 37  | 15-531   | Insulator spring w/sleeve            |      |
|     | 13-400SB | Gooseneck for 3/32" wire     | 25  | 16-910   | New style assembly 10'(Lincoln®)         | 38  | 18-881   | Flat head cap screw #8-32 x 3/8" (2) |      |
| 9   | 17-760   | Cap                          |     | 16-915   | New style assembly 15'(Lincoln®)         | 39  | 16-321   | Heat shrink                          |      |
| 10  | 17-800   | Adapter (valve head)         | 25a | 16-910M  | New style assembly 10'(Miller®)          |     |          | I.D.                                 |      |
| 11  | S550FV   | Flux valve                   |     | 16-915M  | New style assembly 15'(Miller®)          | 40  | 15-140   | Replacement liner 10' - 1/16 - 5/64  | .156 |
| 12  | S550BHS  | Screw                        | 26  | 16-500   | Complete trigger assy. (New Style)       |     | 15-145   | Replacement liner 15' - 1/16 - 5/64  | .156 |
| 13  | 17-810   | Adapter (flux hopper)        | 27  | 16-501   | Trigger housing (both halves)(New Style) |     | 15-150   | Replacement liner 10' - 3/32         | .180 |
| 14  | S550H    | Flux hopper w/lid & screws   | 28  | 16-502   | Contact set (New Style)                  |     | 15-160   | Replacement liner 15' - 3/32         | .180 |



# 1140 Sub Arc Gun - 600 AMP

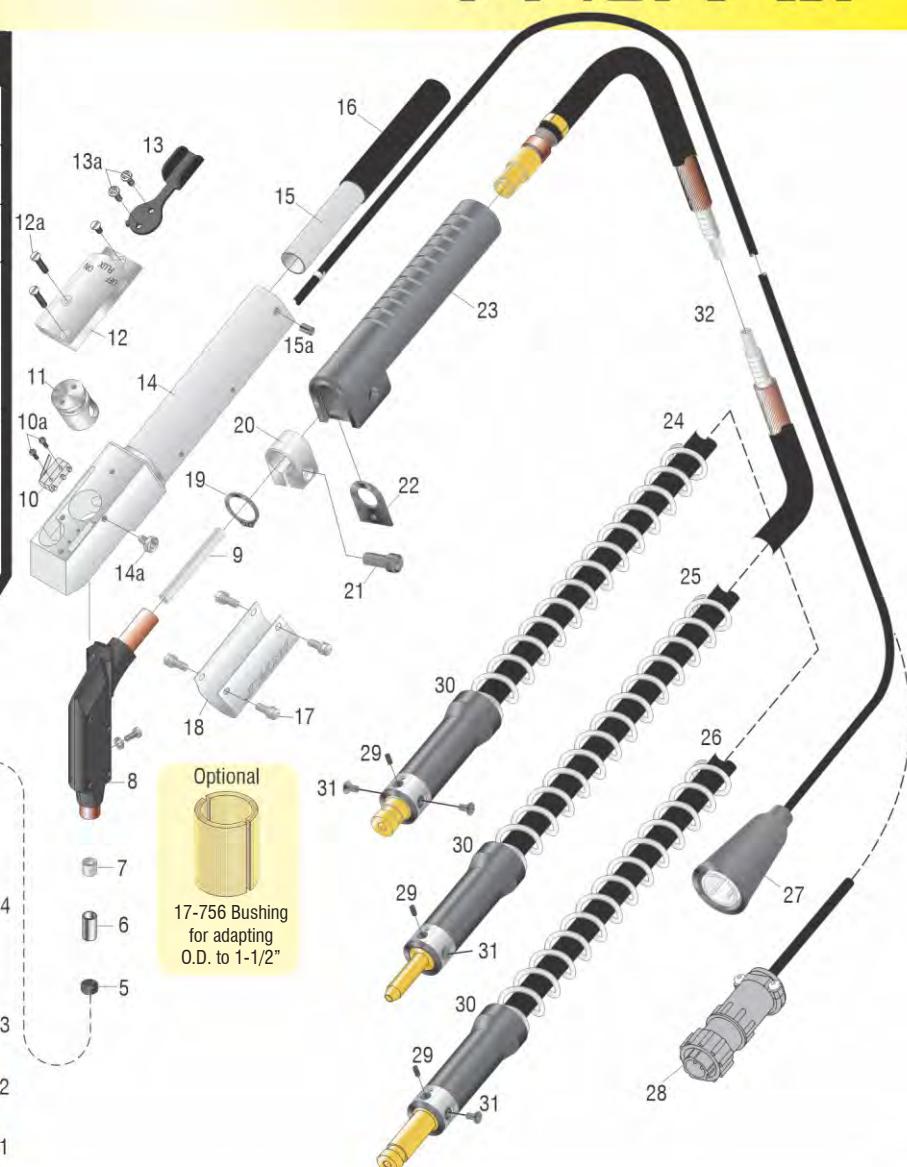
**PROFAK**

| LINCOLN®   |          |   |
|------------|----------|---|
| PROFAK NO. | PART NO. | WIRE FEEDER   |
| 1140-10'   | K114     | Lincoln® LN7, LN8, LN9                                  |
| 1140-15'   |          | For use on Lincoln® LN25 Pro w/K1500-2 receiver bushing |
| 1140M-10   |          | Miller® 50, 60, 70 series                               |
| 1140M-15   |          |   |

\*Specify wire size when ordering.

## STANDARD FEATURES

- Economical replacement components including liner
- 600 amps / 60% duty cycle
- Easy field repair
- 1/16", 5/64", and 3/32" wire



| NO. | PROFAK NO. | DESCRIPTION                      |
|-----|------------|----------------------------------|
| 1   | 17-750     | Collar                           |
| 2   | 11-550     | Nozzle flux cone 1/2"            |
|     | 11-562     | Nozzle flux cone 5/8" (standard) |
|     | 11-575     | Nozzle flux cone 3/4"            |
| 3   | 12-653     | Contact tip 1/16"                |
|     | 12-656     | Contact tip 5/64"                |
|     | 12-657     | Contact tip 3/32"                |
| 4   | 17-755     | Housing                          |
| 5   | 18-950     | Liner locking screw 5/16"-18     |
| 6   | 18-940     | Steel insert                     |
| 7   | 18-930     | Ceramic insert                   |
| 8   | 13-400     | Gooseneck for 1/16" & 5/64" wire |
|     | 13-400SB   | Gooseneck for 3/32" wire         |
| 9   | 13-400JL   | Replacement gooseneck liner      |
| 10  | 16-752     | Micro switch                     |
| 10a | 18-405     | Screw 2-56 x 1/2" pan head       |
| 11  | 17-610     | Valve                            |
| 12  | 16-680     | Cap (lever)                      |
| 12a | 18-402     | 6-32 x 3/4" flat head screws     |
| 13  | 16-650     | Lever                            |
| 13a | 18-403     | 6-32 x 3/8" pan head screws      |
| 14  | 16-430     | Housing                          |
| 14a | 18-406     | Screw - spring loaded            |
| 15  | 17-765     | Flux tube adapter                |
| 15a | 18-407     | 1/4"-20 x 3/16 set screw         |
| 16  | 17-710     | Hose 15'                         |
|     | 17-715     | Hose 21'                         |

| NO. | PROFAK NO. | DESCRIPTION                             | I.D. | O.D. |
|-----|------------|---|------|------|
| 17  | 18-404     | Pan head screw #8-32 x 5/16" (4)        |      |      |
| 18  | 14-297     | Switch housing clamp                    |      |      |
| 19  | 18-480     | Retaining ring                          |      |      |
| 20  | 14-572     | Clamp                                   |      |      |
| 21  | 14-222     | Socket head cap screw                   |      |      |
| 22  | 14-819     | Spatter shield                          |      |      |
| 23  | 14-340     | Handle                                  |      |      |
| 24  | 15-610     | Conductor cable assembly 10' (Lincoln®) |      |      |
|     | 15-615     | Conductor cable assembly 15' (Lincoln®) |      |      |
| 25  | 15-610M    | Conductor cable assembly 10' (Miller®)  |      |      |
|     | 15-615M    | Conductor cable assembly 15' (Miller®)  |      |      |
| 26  | 15-610LP   | Conductor cable assembly 10' (LN25 Pro) |      |      |
|     | 15-615LP   | Conductor cable assembly 15' (LN25 Pro) |      |      |
| 27  | 16-610     | Switch assembly 10' (Lincoln®)          |      |      |
|     | 16-615     | Switch assembly 15' (Lincoln®)          |      |      |
| 28  | 16-610M    | Switch assembly 10' (Miller®)           |      |      |
|     | 16-615M    | Switch assembly 15' (Miller®)           |      |      |
| 29  | 18-628     | Socket head set screw #8-32 x 7/16"     |      |      |
| 30  | 15-531     | Insulator spring w/sleeve               |      |      |
| 31  | 18-881     | Flat head cap screw #8-32 x 3/8" (2)    |      |      |
| 32  | 15-140     | Replacement liner 10' - 1/16 - 5/64     | .156 | .300 |
|     | 15-145     | Replacement liner 15' - 1/16 - 5/64     | .156 | .300 |
|     | 15-150     | Replacement liner 10' - 3/32            | .180 | .300 |
|     | 15-160     | Replacement liner 15' - 3/32            | .180 | .300 |

**SUB ARC**  
1140



## AEC 550 SUBARC

**PROFAX**

### STANDARD

#### Standard Features

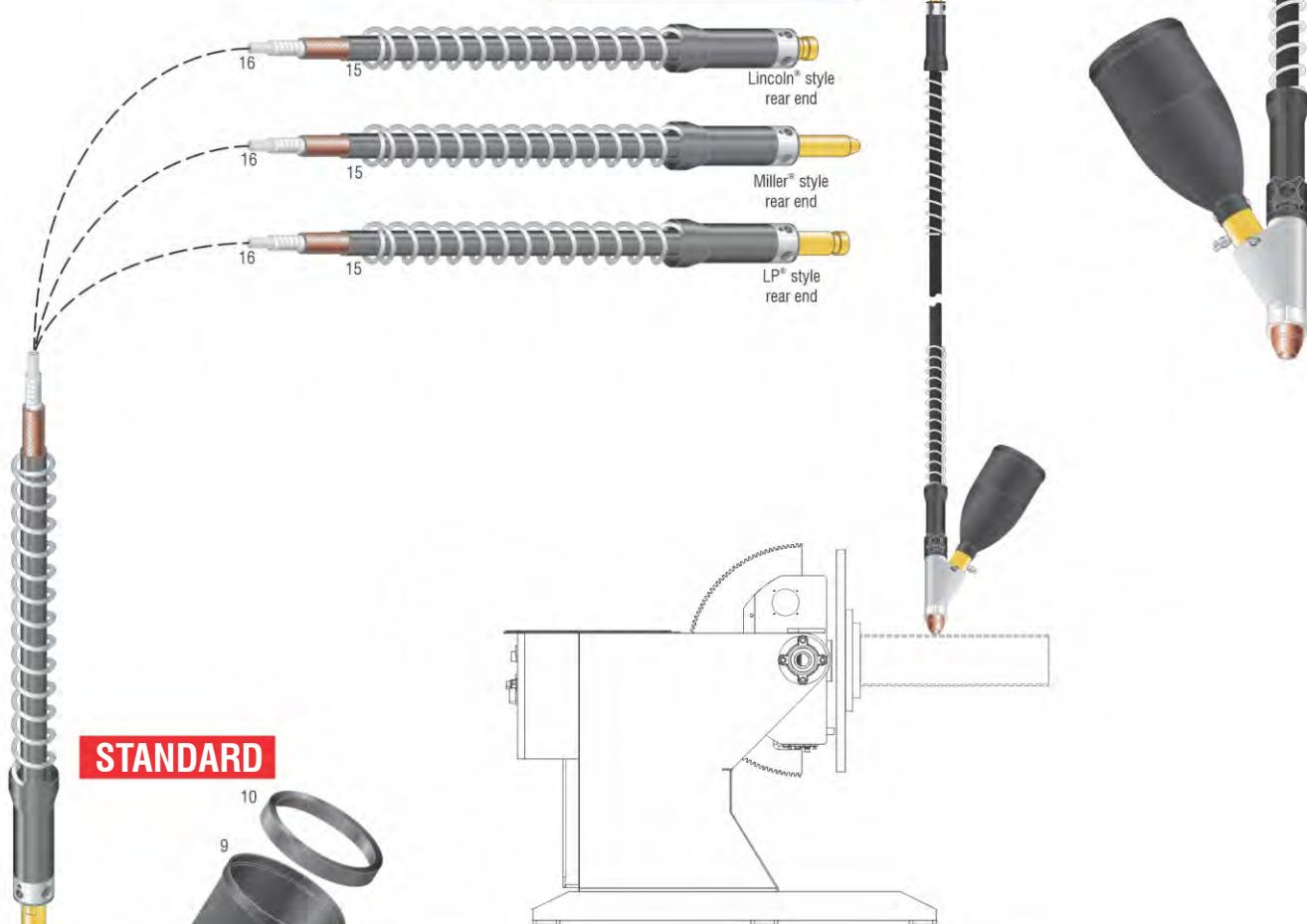
- 550 Amps @ 60% Duty Cycle
- Easy Installation
- Economical to Operate
- Field Repairable

#### Description

550 amp Sub Arc gun for mounting on manipulators, fixtures, side beams, and track machines. Available with either Lincoln® or Miller® back end. Designed for running 1/16" thru 3/32" wire. Available in lengths up to 15 feet.

| PROFAX NO. | DIRECT CONNECT     | GUN LENGTH | WIRE SIZE           |
|------------|--------------------|------------|---------------------|
| LNS550-5   | Lincoln®           | 5'         | 1/16", 5/64", 3/32" |
| LNS550-10  | Lincoln®           | 10'        | 1/16", 5/64", 3/32" |
| LNS550-15  | Lincoln®           | 15'        | 1/16", 5/64", 3/32" |
| LPS550-5   | Lincoln® Powermig® | 5'         | 1/16", 5/64", 3/32" |
| LPS550-10  | Lincoln® Powermig® | 10'        | 1/16", 5/64", 3/32" |
| LPS550-15  | Lincoln® Powermig® | 15'        | 1/16", 5/64", 3/32" |
| MS550-5    | Miller®            | 5'         | 1/16", 5/64", 3/32" |
| MS550-10   | Miller®            | 10'        | 1/16", 5/64", 3/32" |
| MS550-15   | Miller®            | 15'        | 1/16", 5/64", 3/32" |

\*Specify wire size when ordering.



### STANDARD

#### AEC 550 SUB ARC



### PARTS BREAKDOWN

| NO. | PROFAX NO.  | DESCRIPTION                 | NO. | PROFAX NO. | DESCRIPTION                           | I.D. | O.D. |
|-----|-------------|-----------------------------|-----|------------|---------------------------------------|------|------|
| 1   | S10147      | Retaining nut               | 15  | CA550-5LN  | Cable assembly 5' Lincoln®            |      |      |
| 2   | S10125-1/16 | Contact tip 1/16"           |     | CA550-10LN | Cable assembly 10' Lincoln®           |      |      |
|     | S10125-5/64 | Contact tip 5/64"           |     | CA550-15LN | Cable assembly 15' Lincoln®           |      |      |
|     | S10125-3/32 | Contact tip 3/32"           |     | CA550-5LP  | Cable assembly 5' Lincoln® Powermig®  |      |      |
| 3   | T10575      | Flux cone                   |     | CA550-10LP | Cable assembly 10' Lincoln® Powermig® |      |      |
| 4   | T10574      | Locking ferrule             |     | CA550-15LP | Cable assembly 15' Lincoln® Powermig® |      |      |
| 5   | M8249-S     | Body                        |     | CA550-5M   | Cable assembly 5' Miller®             |      |      |
| 6   | T9078-1     | Thumb screw                 |     | CA550-10M  | Cable assembly 10' Miller®            |      |      |
| 7   | S550FV      | Gate valve                  |     | CA550-15M  | Cable assembly 15' Miller®            |      |      |
| 8   | S550BHS     | Screws 8-32 x 1/4 (2 req'd) | 16  | 15-140     | Replacement liner 1/16 & 5/64 - 10'   | .156 | .300 |
| 9   | S550H       | Flux hopper                 |     | 15-145     | Replacement liner 1/16 & 5/64 - 15'   | .156 | .300 |
| 10  | S550HL      | Support rim                 |     | 15-150     | Replacement liner 3/32 - 10'          | .180 | .300 |
| 11  | S550-3      | Extension w/set screw       |     | 15-160     | Replacement liner 3/32 - 15'          | .180 | .300 |
| 11a | 18-628      | Set screw                   |     |            |                                       |      |      |
| 12  | S550JL      | Jumper liner                | 17  | S550I-2    | Insulator                             |      |      |
| 13  | 14-331      | Hand screw                  | 18  | S550A      | Adapter                               |      |      |
| 14  | S550I-1     | Insulator                   | 19  | S10157     | Nozzle body                           |      |      |
|     |             |                             | 20  | 121312     | Bolt and nut                          |      |      |



## AEC 550 SUBARC

**PROFAX**



### AEC 550

### OPTION #1

Shown with optional curved extension installed. Specify extension you want installed when ordering gun. Note - curved extensions come with stainless wear guides installed for longer life.

| PROFAX NO. | DESCRIPTION      | PROFAX NO. | DESCRIPTION      | PROFAX NO.  | DESCRIPTION                 |
|------------|------------------|------------|------------------|-------------|-----------------------------|
| SA-6-30    | 30° 6" extension | SA-9-22    | 22° 9" extension | SA-12-45-4R | 45° 12" extension 4" radius |
| SA-6-45    | 45° 6" extension | SA-9-30    | 30° 9" extension | SA-12-60-4R | 60° 12" extension 4" radius |
| SA-6-60    | 60° 6" extension | SA-9-45    | 45° 9" extension | SA-12-90-4R | 90° 12" extension 4" radius |
| SA-6-90    | 90° 6" extension | SA-9-60    | 60° 9" extension |             |                             |
|            |                  | SA-9-75    | 75° 9" extension |             |                             |
|            |                  | SA-9-90    | 90° 9" extension |             |                             |

\*Specify wire size when ordering.

### AEC 550HD Sub Arc

### OPTION #2

For operating @ 100% Duty Cycle

Same basic design as the AEC 550 except we have added a busbar at the head to allow you to connect an external piece of 4/0 welding cable back to your power source for increased duty cycle.

| PROFAX NO.  | DIRECT CONNECT | GUN LENGTH | WIRE SIZE           |
|-------------|----------------|------------|---------------------|
| HDLNS550-5  | Lincoln®       | 5'         | 1/16", 5/64", 3/32" |
| HDLNS550-10 | Lincoln®       | 10'        | 1/16", 5/64", 3/32" |
| HDLNS550-15 | Lincoln®       | 15'        | 1/16", 5/64", 3/32" |
| HDMS550-5   | Miller®        | 5'         | 1/16", 5/64", 3/32" |
| HDMS550-10  | Miller®        | 10'        | 1/16", 5/64", 3/32" |
| HDMS550-15  | Miller®        | 15'        | 1/16", 5/64", 3/32" |

\*Specify wire size when ordering.

### OPTION #3



Flux hose and flux spring are available for running AEC 550 with pressurized flux system.

Optional: Remote Start Switch



| PROFAX NO. | DESCRIPTION  |
|------------|--------------|
| RSCLN-15   | Lincoln® 15' |
| RSCLN-25   | Lincoln® 25' |
| RSCM-15    | Miller® 15'  |
| RSCM-25    | Miller® 25'  |



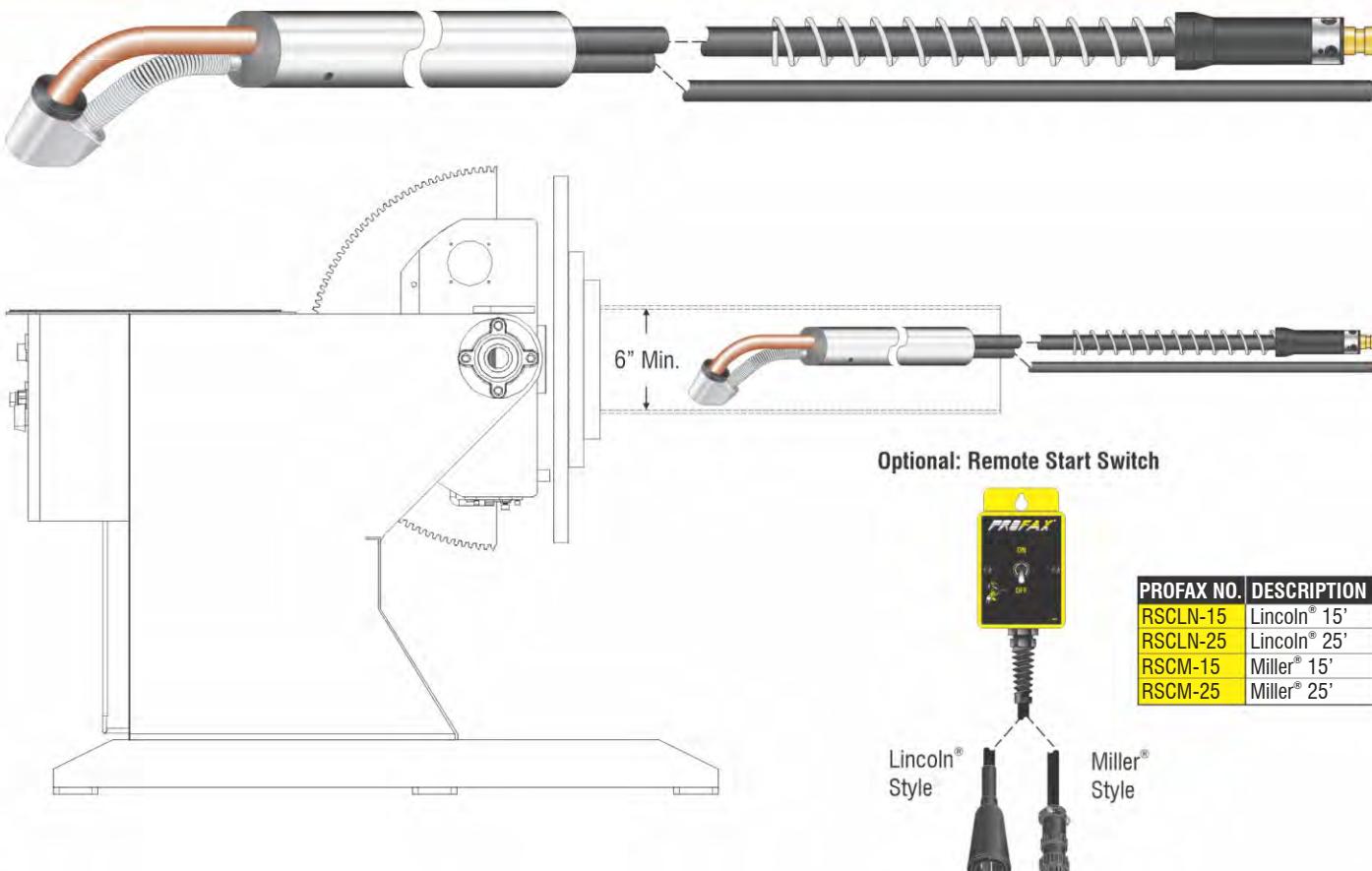
**SPECIAL DEEP GROVE ACCESSORIES AVAILABLE PAGE 227**

**AEC 550  
SUB ARC**



# Small Bore Subarc 550

**PROFAX**

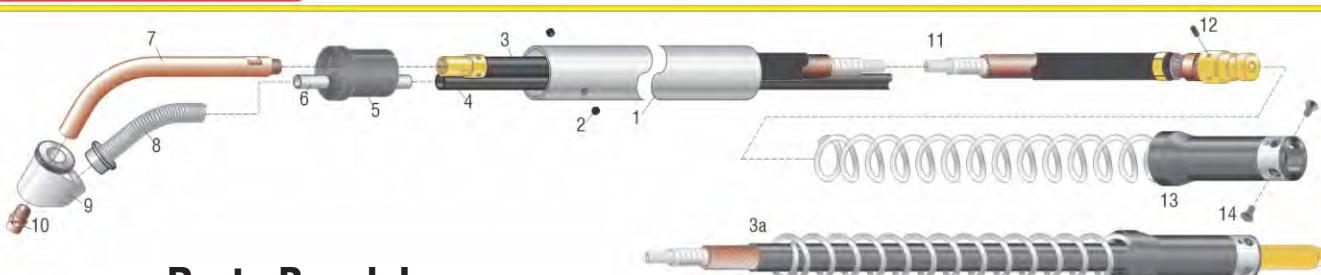


Designed for automated welding or overlay on inside diameter of pipe from 6" dia. and larger. Gun is mounted in a 2" dia. x 6" long aluminum tube which may be attached to most track systems. Other length tubes are available. Comes standard with a 70° or 90° conductor tube and in cable lengths of 10' or 15'. Rear connections to fit Lincoln® or Miller® feeders.

## SMALL BORE SUBARC 550

| PROFAX NO.     | DIRECT CONNECT | HEAD TUBE | CABLE LENGTH | FLUX HOSE | WIRE SIZE           | PROFAX NO.    | DIRECT CONNECT | HEAD TUBE | CABLE LENGTH | FLUX HOSE | WIRE SIZE           |
|----------------|----------------|-----------|--------------|-----------|---------------------|---------------|----------------|-----------|--------------|-----------|---------------------|
| SBSLN550-70-10 | Lincoln®       | 70°       | 10'          | 13'       | 1/16", 5/64", 3/32" | SBSM550-70-10 | Miller®        | 70°       | 10'          | 13'       | 1/16", 5/64", 3/32" |
| SBSLN550-90-10 | Lincoln®       | 90°       | 10'          | 13'       | 1/16", 5/64", 3/32" | SBSM550-90-10 | Miller®        | 90°       | 10'          | 13'       | 1/16", 5/64", 3/32" |
| SBSLN550-70-15 | Lincoln®       | 70°       | 15'          | 18'       | 1/16", 5/64", 3/32" | SBSM550-70-15 | Miller®        | 70°       | 15'          | 18'       | 1/16", 5/64", 3/32" |
| SBSLN550-90-15 | Lincoln®       | 90°       | 15'          | 18'       | 1/16", 5/64", 3/32" | SBSM550-90-15 | Miller®        | 90°       | 15'          | 18'       | 1/16", 5/64", 3/32" |

\*Specify wire size when ordering.



## Parts Breakdown

| NO. | PROFAX NO. | DESCRIPTION                          | NO. | PROFAX NO.  | DESCRIPTION          | NO. | PX NO. | DESCRIPTION                                   | I.D. | O.D. |
|-----|------------|--------------------------------------|-----|-------------|----------------------|-----|--------|---|------|------|
| 1   | SB-550-6   | Aluminum outer tube (6" length std.) | 7   | SB-9-30     | 9" extension 30°     | 11  | 15-145 | 15' Replacement Liner 1/16"- 5/64"            | .156 | .300 |
| 2   | SB-558     | Set screw (2 req'd)                  |     | SB-9-45     | 9" extension 45°     |     | 15-160 | 15' Replacement Liner 3/32"                   | .180 | .300 |
| 3   | SBLN559-10 | 10' Lincoln® direct cable assembly   |     | SB-9-60     | 9" extension 60°     |     | 18-892 | Socket head set screw #8-32x5/16"             |      |      |
|     | SBLN559-15 | 15' Lincoln® direct cable assembly   |     | SB-9-70     | 9" extension 70°     |     | 15-531 | Insulator spring w/spring                     |      |      |
| 3a  | SBM559-10  | 10' Miller® direct cable assembly    |     | SB-9-90     | 9" extension 90°     |     | 18-881 | Flat head cap screw #8-32 x 3/8"<br>(2 req'd) |      |      |
|     | SBM559-15  | 15' Miller® direct cable assembly    | 8   | SB-552      | Spring/bushing assy. |     |        |   |      |      |
| 4   | SB-557-13  | 13' flux hose, 1/2" I.D.             | 9   | SB-551      | Nozzle assembly      |     |        |   |      |      |
|     | SB-557-18  | 18' flux hose, 1/2" I.D.             | 10  | SB-555-1/16 | Contact tip 1/16"    |     |        |   |      |      |
| 5   | SB-554     | Insulator                            |     | SB-555-5/64 | Contact tip 5/64"    |     |        |   |      |      |
| 6   | SB-556     | Flux tube                            |     | SB-555-3/32 | Contact tip 3/32"    |     |        |   |      |      |
|     |            |                                      |     | SB-555-1/8  | Contact tip 1/8"     |     |        |   |      |      |



## IMT-250 Internal Torch

**PROFAX**

To order specify wire size, feeder connection, and either cable length (A), gun mounted (B), or direct connect (C)(shown below)



**IMT-250CM** (Cable Mount): Mounted in 400 amp cable assembly

Must specify:

- Wire Size

- Barrel Length (30" standard)
- Cable Length (15' max.)
- Feeder Connection



**IMT-250GM** (Gun Mount)

- For mounting on front end of PROFAX 400 amp MIG gun  
(gun ordered separately)(15' max.)



**IMT-250DM** (Direct Mount)

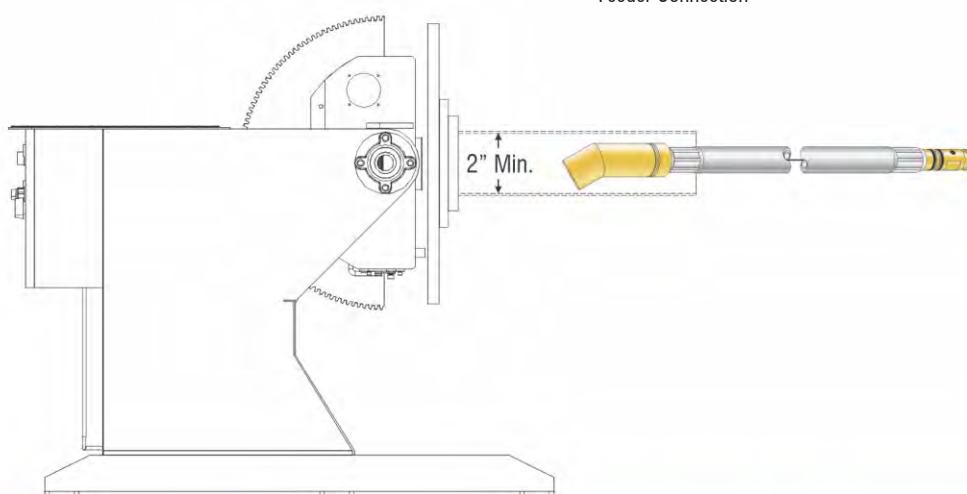
Mounts directly to Wire Feeder.

Must specify:

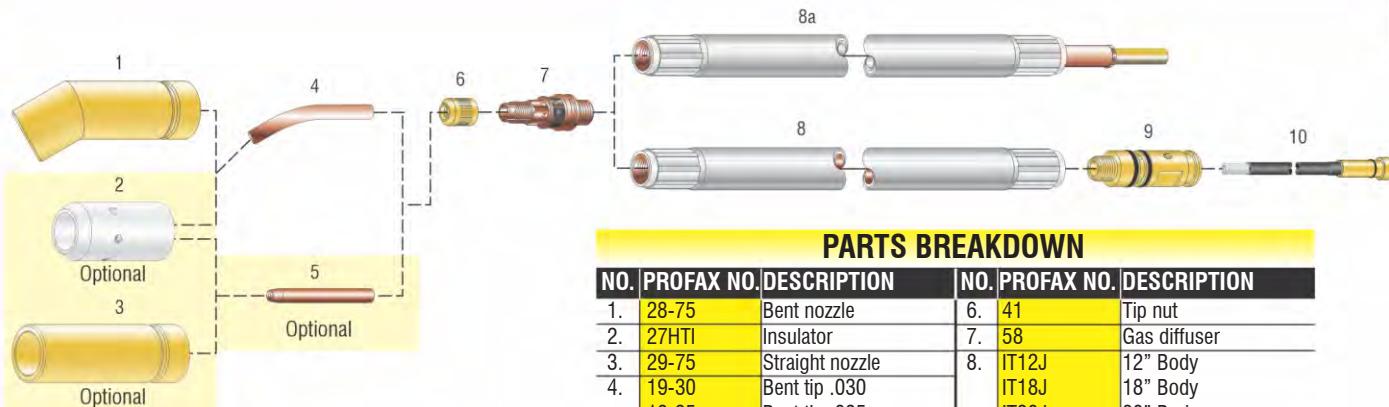
- Wire Size

- Barrel Length (30" standard)
- Feeder Connection

**Optional: Remote Start Switch**



| PROFAX NO. | DESCRIPTION  |
|------------|--------------|
| RSCLN-15   | Lincoln® 15' |
| RSCLN-25   | Lincoln® 25' |
| RSCM-15    | Miller® 15'  |
| RSCM-25    | Miller® 25'  |



### Standard Features

- .030 - 1/16" wire sizes
- Welds inside 2" I.D. pipe
- Standard length 30"
- Available with PROFAX, Lincoln® or Miller® back end
- Optional water cooled nozzle available

| NO. | PROFAX NO. | DESCRIPTION        | NO.                   | PROFAX NO. | DESCRIPTION       |
|-----|------------|--------------------|-----------------------|------------|-------------------|
| 1.  | 28-75      | Bent nozzle        | 6.                    | 41         | Tip nut           |
| 2.  | 27HTI      | Insulator          | 7.                    | 58         | Gas diffuser      |
| 3.  | 29-75      | Straight nozzle    | 8.                    | IT12J      | 12" Body          |
| 4.  | 19-30      | Bent tip .030      |                       | IT18J      | 18" Body          |
|     | 19-35      | Bent tip .035      |                       | IT30J      | 30" Body          |
|     | 19-40      | Bent tip .040      | 8a.                   | IT9JC      | 9" Body           |
|     | 19-45      | Bent tip .045      |                       | IT12JC     | 12" Body          |
|     | 19-52      | Bent tip .052      |                       | IT18JC     | 18" Body          |
|     | 19-116     | Bent tip 1/16"     |                       | IT48JC     | 48" Body          |
|     | 20-30      | Straight tip .030  |                       | IT60JC     | 60" Body          |
|     | 20-35      | Straight tip .035  | 9.                    | R173-T     | PROFAK rear end   |
|     | 20-40      | Straight tip .040  |                       | R173-L     | Lincoln® rear end |
|     | 20-45      | Straight tip .045  |                       | R173-M     | Miller® rear end  |
|     | 20-52      | Straight tip .052  | <b>IMT-250DM ONLY</b> |            |                   |
|     | 20-116     | Straight tip 1/16" | 10.                   | 44-3545-15 | Liner             |
|     |            |                    |                       | 44-116-15  | Liner             |

**INTERNAL TORCH**  
**IMT-250**



## AEC 200 1# Spool Gun

**PROFAX**

### STANDARD FEATURES

- Economical feeder/gun combination eliminates need for additional wire feeder
- Lightweight design reduces operator fatigue
- 50' hose/cable assembly offers maximum portability for remote operation
- Operation simplified by wire speed control on gun
- Mechanical pre-flow and post-flow control
- Operator safety provided by plastic housing and low voltage operation

For appropriate control boxes see pages 108-109



### Model AEC 200 Ratings

| Current (D.C.R.P.) | Duty Cycle | Gas             |
|--------------------|------------|-----------------|
| 200 Amps           | 100%       | Argon or Helium |
| 250 Amps           | 50%        | Argon or Helium |
| 275 Amps           | 30%        | Argon or Helium |
| 300 Amps           | 100%       | Carbon Dioxide  |

Also available in 100' length on Special Order

Model AEC 200 comes complete with gun, nozzles, liners, contact tubes, a wrench and 50' of cable hose assembly.

### THE SELECTION CHART

| PROFAX NO.   | WIRE SIZE               | TYPE            | MOTOR RATIO | NOZZLE I.D. | TIP & LINER |
|--------------|-------------------------|-----------------|-------------|-------------|-------------|
| AEC 200-36   | .030-3/64"              | Aluminum        | 36:1        | 11/16"      | 3/64"       |
| AEC 200-64   | 3/64"                   | Aluminum        | 64:1        | 11/16"      | 3/64"       |
| AEC 200-36L* | .030-3/64"<br>.030-.035 | Aluminum & Hard | 36:1        | 11/16"      | 3/64"       |

The AEC 200L is a modified gun \*(30 foot long) to direct connect to the ESAB® (L-TEC®) MigMaster 250 and the ESAB® Mig-28A control module.

## DIRECT CONNECT Solid State Spool Gun

The AEC 200-4DM Direct Connect is designed to give **Solid State** Performance to a Spool Gun that will connect to the Constant Voltage power sources listed below without the need of a control box.

### DESIGN FEATURES:

- Direct Connects to PROFAX, Miller®, Thermal Arc® and CompArc® Constant Voltage power sources.
- No Control Box - Interfaces Direct to Power Source.
- Operates on 24 VAC
- One Motor for .030 - 1/16" Aluminum and .023 - .045 Hard wires.
- No More Changing Motor Ratio's
- 20 to 800 ipm Speed Range.
- 50' Cable Length Standard.
- Solid State Control Provides:  
True Constant Speed  
Higher Motor Torque at all Speeds  
Compensates for Input Voltage Fluctuations  
Longer Motor Life  
Smoother Wire Feeding



Also available in 100' length on Special Order

## DIRECT CONNECT SPOOL GUN SYSTEMS

| PROFAX NO.  | DESCRIPTION   |
|-------------|---|
| AEC 200-4DM | Direct connect spool gun for PROFAX, Miller®, Thermal Arc®, and CompArc® constant voltage power sources with the 14 pin wire feeder receptacle. |

### SPECIFICATIONS

| INPUT POWER | WELD OUTPUT RATING ARGON                                | WIRE CAPACITY                                  | WIRE SPEED RANGE  |
|-------------|---|--|-------------------|
| 24VAC       | 250 amps - 50% duty cycle<br>200 amps - 100% duty cycle | .030 - 1/16" aluminum<br>.023 - .045 hard wire | 20 ipm to 800 ipm |

This system can be connected to any adequately sized constant voltage welding power source that provides 24 VAC auxiliary power and a contact 106 closure contactor circuit. See owners manual or consult factory for complete details.

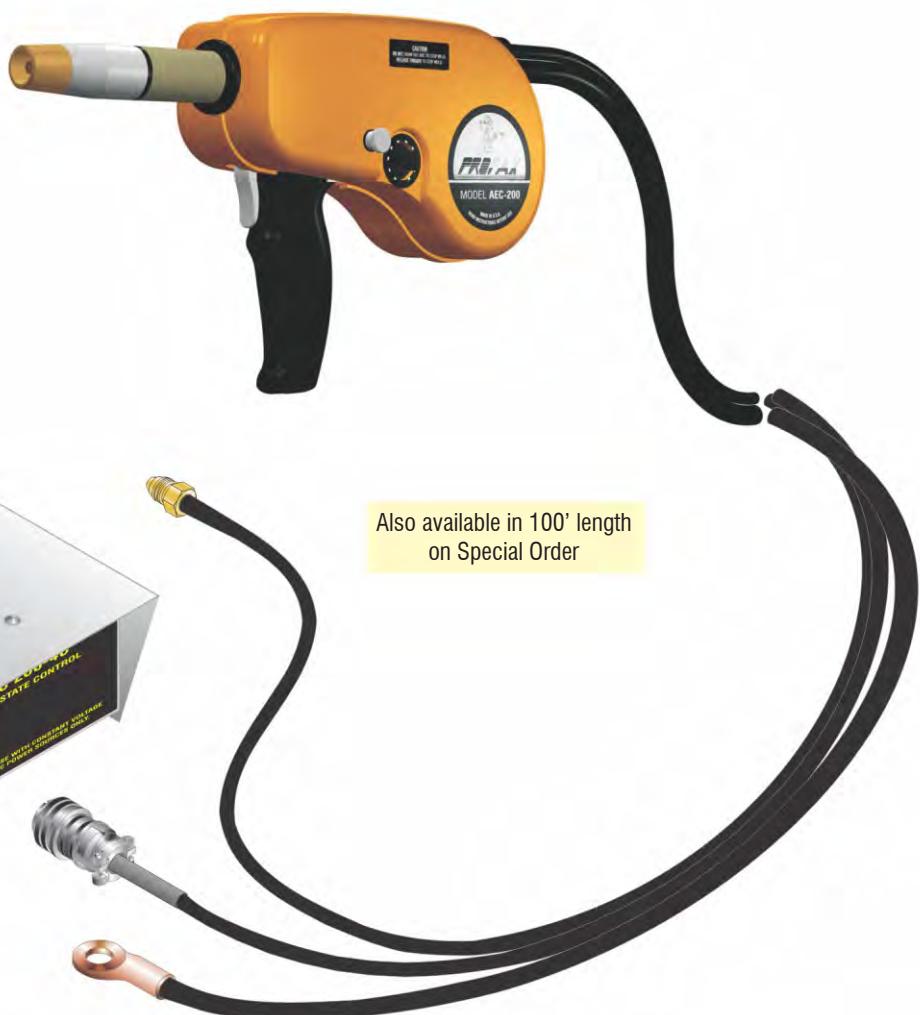


## Solid State Spool Gun & Control

**PROFAX**

PROFAX HAS GIVEN THE **CLASSIC** DESIGN OF THE AEC 200 SPOOL GUN A NEW **SOLID STATE** PUNCH. DESIGNED FOR CONSTANT VOLTAGE POWER SOURCES, THIS NEW PUNCH WILL PROVIDE:

- **ONE MOTOR** FOR .030 THROUGH 1/16" ALUMINUM AND .023 THROUGH .045 HARD WIRES.
- **NO MORE CHANGING MOTOR RATIO'S**
- **NO MORE RHEOSTAT TO GET HOT OR BURN OUT**
- **30 TO 800 INCH PER MINUTE CAPABILITY**
- **50' GUN CABLE LENGTH STANDARD**
- **SOLID STATE** CONTROL PROVIDES:  
TRUE CONSTANT SPEED  
HIGHER MOTOR TORQUE  
LONGER MOTOR LIFE  
SMOOTHER WIRE FEEDING



### SOLID STATE SPOOL GUN SYSTEM

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| AEC 200-4  | Spool Gun w/50' cable assembly for use w/ AEC 200-4C solid state control box   |
| AEC 200-4C | Solid state control box for use w/ AEC 200-4 Spool Gun   |
| CC00016    | Adaptor cord for connecting PROFAX AEC 200-4 gun to Miller® machines w/10 pin spool gun plug. (No control box needed.) |

### SPECIFICATIONS

| INPUT POWER         | WELD OUTPUT RATING<br>ARGON or HELIUM                     | WIRE CAPACITY  | WIRE SPEED RANGE        | DIMENSIONS                             | WEIGHT<br>GUN & CABLES   |
|---------------------|---|--|-------------------------|--|--|
| 115VAC<br>50/60 Hz. | 250 Amps<br>50% Duty Cycle<br>200 Amps<br>100% Duty Cycle | .023 in. through<br>1/16" Aluminum<br>or<br>.023 in. through<br>.045 Hard Wire | 30 IPM<br>to<br>800 IPM | Height 8.25"<br>Width 3"<br>Length 15" | Net 26 lbs.<br>Ship 29 lbs.<br>4C Control<br>Net 7.5 lbs.<br>Ship 9 lbs. |

The AEC 200-4 Spool Gun and AEC 200-4C control are interfaced together to give the improved **SOLID STATE** motor control performance to the **Classic** AEC 200 Spool Gun design. This system can be connected to any adequately sized **CONSTANT VOLTAGE** welding power source that provides 115V or 24V AC 50/60 Hz. auxiliary power and will operate 115 volt feedback or contact closure contactor circuits. See owners and installation manual for complete details.



## AEC 200

**PROFAX**

### STANDARD SPOOL GUNS

| PROFAX NO.  | WIRE SIZE           | CONNECTION TYPE  |
|-------------|---------------------|--|
| AEC 200-36  | .030-3/64" ALUMINUM | FOR USE WITH THE AEC 200-1 ON CONSTANT VOLTAGE POWER SOURCES OR WITH THE AEC 200-2 AND AEC 200-3A ON CONSTANT CURRENT POWER SOURCES. |
| AEC 200-64  | 3/64" ALUMINUM      |  |
| AEC 200-36P | .030-3/64" ALUMINUM | FOR USE WITH THE AEC 200-1P CONTROL BOX ON CONSTANT VOLTAGE POWER SOURCES. DIRECT  |
| AEC 200-64P | 3/64" ALUMINUM      | CONNECTS TO THE AIRCO® POWER SOURCES WITH 10 PIN RECEPTACLE.   |

### SOLID STATE SPOOL GUNS

|              |   |   |
|--------------|---|---|
| AEC 200-36L  | .030-3/64" ALUMINUM<br>.030-.035 HARD WIRE  | DIRECT CONNECTS TO AN ESAB® MIGMASTER 250 AND TO THE ST-28A CONTROL BOX.  |
| AEC 200-4    | .030-1/16" ALUMINUM<br>.023-.045" HARD WIRE | MUST BE USED IN CONJUNCTION WITH THE AEC 200-4C CONTROL BOX. FOR USE ON CONSTANT VOLTAGE POWER SOURCES ONLY.  |
| AEC 200-4DM  | .030-1/16" ALUMINUM<br>.023-.045 HARD WIRE  | DIRECT CONNECTS TO MILLER®, PROFAX, COMPARC®, & SOME THERMAL ARC® CONSTANT VOLTAGE POWER SOURCE WITH THE 14 PIN RECEPTACLE. CAN ALSO BE USED WITH THE AEC-LVC CONTACTOR BOX ON CV MACHINES WITHOUT A CONTACTOR. |
| AEC 200-4DMX | .030-1/16" ALUMINUM<br>.023-.045 HARD WIRE  | DIRECT CONNECTS TO A MILLERMATIC® 250X, TO THE MILLERMATIC® 300 (BEGINNING WITH SERIAL # LA000202) AND THE HOBART® IRONMAN 275.   |

### STANDARD CONTROL BOXES

|            |   |
|------------|---|
| AEC 200-1  | FOR USE WITH ANY STANDARD PROFAX SPOOL GUN BEING USED ON A CONSTANT VOLTAGE POWER SOURCE. (SEE CONTACTOR BOX).  |
| AEC 200-1P | FOR USE WITH ANY STANDARD PROFAX (P) SPOOL GUN BEING USED ON A CONSTANT VOLTAGE POWER SOURCE. (SEE CONTACTOR BOX).  |
| AEC 200-3A | FOR USE WITH A STANDARD PROFAX SPOOL GUN ON A CONSTANT CURRENT DC POWER SOURCE. RECOMMENDED FOR INDUSTRIAL SIZED ELECTRIC MACHINES AND ENGINE DRIVES OF 3 CYLINDERS OR MORE. OPERATES ON 115V AC OR DC. |

### SOLID STATE CONTROL BOXES

|            |   |
|------------|---|
| AEC 200-4C | FOR USE WITH AN AEC 200-4 BEING USED ON A CONSTANT VOLTAGE WELDING POWER SOURCE. (SEE CONTACTOR BOX). |
|------------|---|

### CONTACTOR BOX

|             |   |
|-------------|---|
| AEC 200-C   | FOR USE ON POWER SOURCES WITHOUT A CONTACTOR. USED IN CONJUNCTION WITH AN AEC 200-1, AEC 200-1P OR AEC 200-4C ON CONSTANT VOLTAGE POWER SOURCES AND WITH THE AEC 200-2 ON CONSTANT CURRENT POWER SOURCES. |
| AEC 200-LVC | FOR USE WITH THE AEC 200-4DM WHERE AN EXTERNAL CONTACTOR IS REQUIRED.   |





## AEC 200

**PROFAX**



**AEC 200**



## AEC 200 Consumables

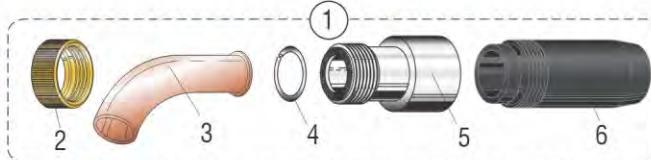
**PROFAX**

### STANDARD CONTACT TIPS

| PROFAX NO. | WIRE SIZE  | I.D. |   |
|------------|------------|------|---|
| 3123       | .023       | .031 |   |
| 3356       | .030-.035  | .044 |   |
| 3299       | .045-3/64" | .060 |  |
| 3300       | 1/16"      | .078 |   |
| 45-070     | 3/64"      | .073 |   |
| 3136       | .030       | .040 |  |
| 3115       | .035-3/64" | .064 |   |
| 3135       | 1/16"      | .078 |   |

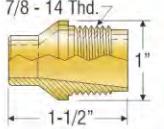
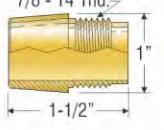
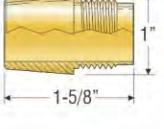
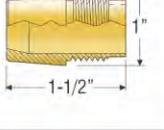
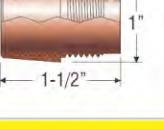
### BENT NOZZLE KIT & TIPS

| NO. | PROFAX NO. | DESCRIPTION     | NO. | PROFAX NO. | DESCRIPTION      |
|-----|------------|-----------------|-----|------------|------------------|
| 1   | 4119       | Bent nozzle kit | 5   | 4139       | Adapter          |
| 2   | 4346       | Nut             | 6   | 4108       | Barrel           |
| 3   | 4137       | Nozzle          | 7   | 4138       | Assembly (5 & 6) |
| 4   | 4300       | Slip ring       |     |            |                  |



Note: Additional 4137 nozzle included

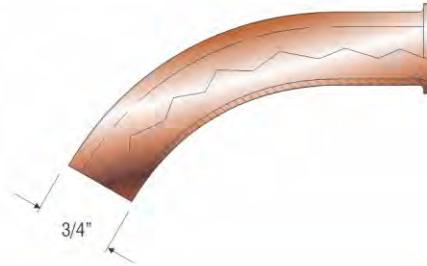
### STANDARD NOZZLES

| PROFAX NO. | I.D.   | MATERIAL |   |
|------------|--------|----------|---|
| 4268       | 7/16"  | Brass    |    |
| 4269       | 11/16" | Brass    |   |
| 4270       | 11/16" | Brass    |  |
| 4552       | 9/16"  | Brass    |  |
| 4572       | 11/16" | Copper   |  |

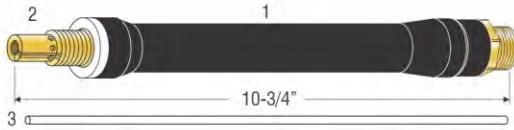
### PROFAX NO. WIRE SIZE I.D.

|      |             |      |   |
|------|-------------|------|---|
| 3067 | .030-.035   | .060 |  |
| 3068 | .045-3/64"  | .078 |   |
| 3090 | 3/64"-1/16" | .090 |   |
| 3069 | 1/16"       | .109 |   |

4137 Copper 5/8"



### FLEXIBLE BARREL ASSEMBLY & TIPS



| NO. | PROFAX NO. | DESCRIPTION           | NO. | PROFAX NO. | DESCRIPTION           |
|-----|------------|-----------------------|-----|------------|-----------------------|
| 1   | 4925       | Flexible barrel       | 3   | 9635-8 1/4 | Liner (cut to length) |
| 2   | 4580       | Tip holder (included) |     |            | Included              |

Nozzles 4268, 4269, and 4270  
Shown above in left column  
and 4147 nozzle body

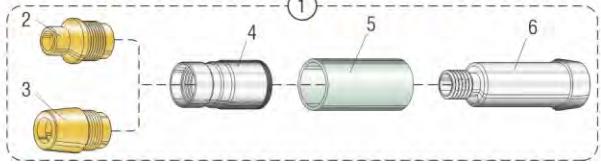
Contact Tips 3150, 3223, 3455  
and 3456 Shown below

### PROFAX NO. WIRE SIZE I.D.

|      |                |      |   |
|------|----------------|------|---|
| 3150 | .030-.035 Hard | .040 |  |
| 3223 | .045 Hard      | .053 |   |
| 3455 | 3/64"          | .061 |   |
| 3456 | 1/16" Alum.    | .081 |   |

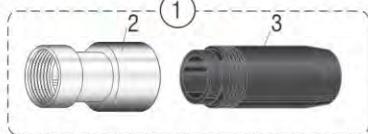
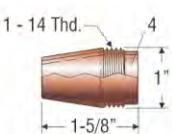
### NEW STYLE BARREL ASSEMBLY

| NO. | PROFAX NO. | DESCRIPTION     | NO. | PROFAX NO. | DESCRIPTION    |
|-----|------------|-----------------|-----|------------|----------------|
| 1   | 4638       | New style assy. | 4   | 4147       | Nozzle body    |
| 2   | 4268       | Nozzle          | 5   | 4641       | Spacer         |
| 3   | 4269       | Nozzle          | 6   | 4640       | Adapter sleeve |



### OLD STYLE BARREL ASSEMBLY

| NO. | PROFAX NO. | DESCRIPTION        | NO.  | PROFAX NO.  | DESCRIPTION |
|-----|------------|--------------------|------|-------------|-------------|
| 1   | 4124       | Old style assembly | 4    | 4117        | 1/2" nozzle |
| 2   | 4105       | Adapter            | 4118 | 3/4" nozzle |             |
| 3   | 4108       | Barrel             | 4110 | 5/8" nozzle |             |





# AEC 200 HEAVY DUTY Consumables

## Optional

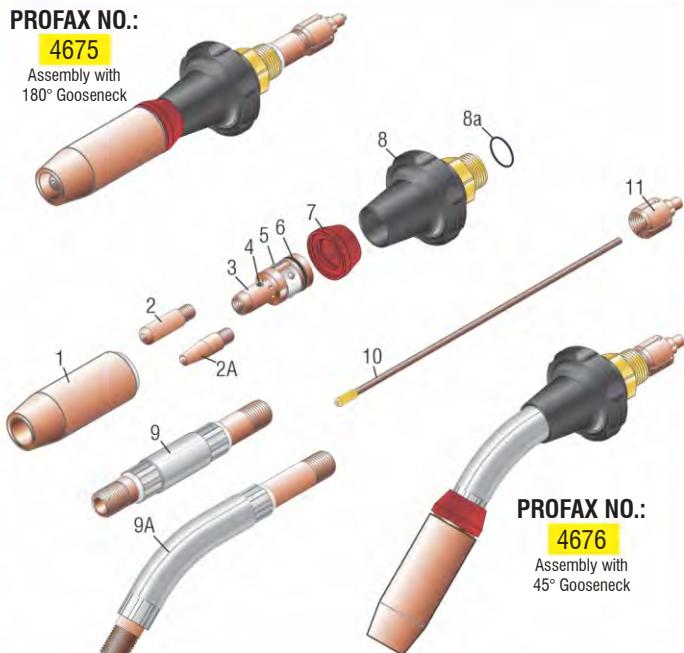
**PROFAX**

### AEC 200 Heavy Duty Consumables

**PROFAX NO.:**

**4675**

Assembly with  
180° Gooseneck



**PROFAX NO.:**

**4676**

Assembly with  
45° Gooseneck

### Heavy Duty Flexible Barrel

**PROFAX NO.:**

**4975**

(Assembly)



| NO. | PROFAX NO.  | DESCRIPTION    | NO. | PROFAX NO. | DESCRIPTION          | NO. | PROFAX NO.  | DESCRIPTION         | NO.  | PROFAX NO. | DESCRIPTION        |
|-----|-------------|----------------|-----|------------|----------------------|-----|-------------|---------------------|------|------------|--------------------|
| 1.  | 27 series   | Nozzles        | 7.  | 17SW       | Shock washer         | 1.  | 27 series   | Nozzles             | 6.   | 240        | Spring             |
| 2.  | 17 series   | Tip            | 8.  | 4006       | Barrel adapter       | 2.  | 17 series   | Tip                 | 7.   | 260        | O-ring             |
| 2a. | 17ST series | Tip            | 8a. | 4011       | O-ring               | 2a. | 17ST series | Tip                 | 8.   | 17SW       | Shock washer       |
| 3.  | 57HD        | Gas diffuser   | 9.  | 4600       | Gooseneck - straight | 3.  | 4010HDF     | Liner (phos-bronze) | 9.   | 4925HD     | HD Flexible Barrel |
| 4.  | 44C         | Screw          | 9a. | 4645       | Gooseneck - 45°      | 4.  | 57HD        | Gas diffuser        | 10.  | 1103HD     | HD Guide Tube      |
| 5.  | 240         | Retaining ring | 10. | 4010       | Liner (phos-bronze)  | 5.  | 44C         | Screw               | 10a. | 1111       | O-ring             |
| 6.  | 260         | O-ring         | 11. | 4009       | Locking nut          |     |             |                     |      |            |                    |

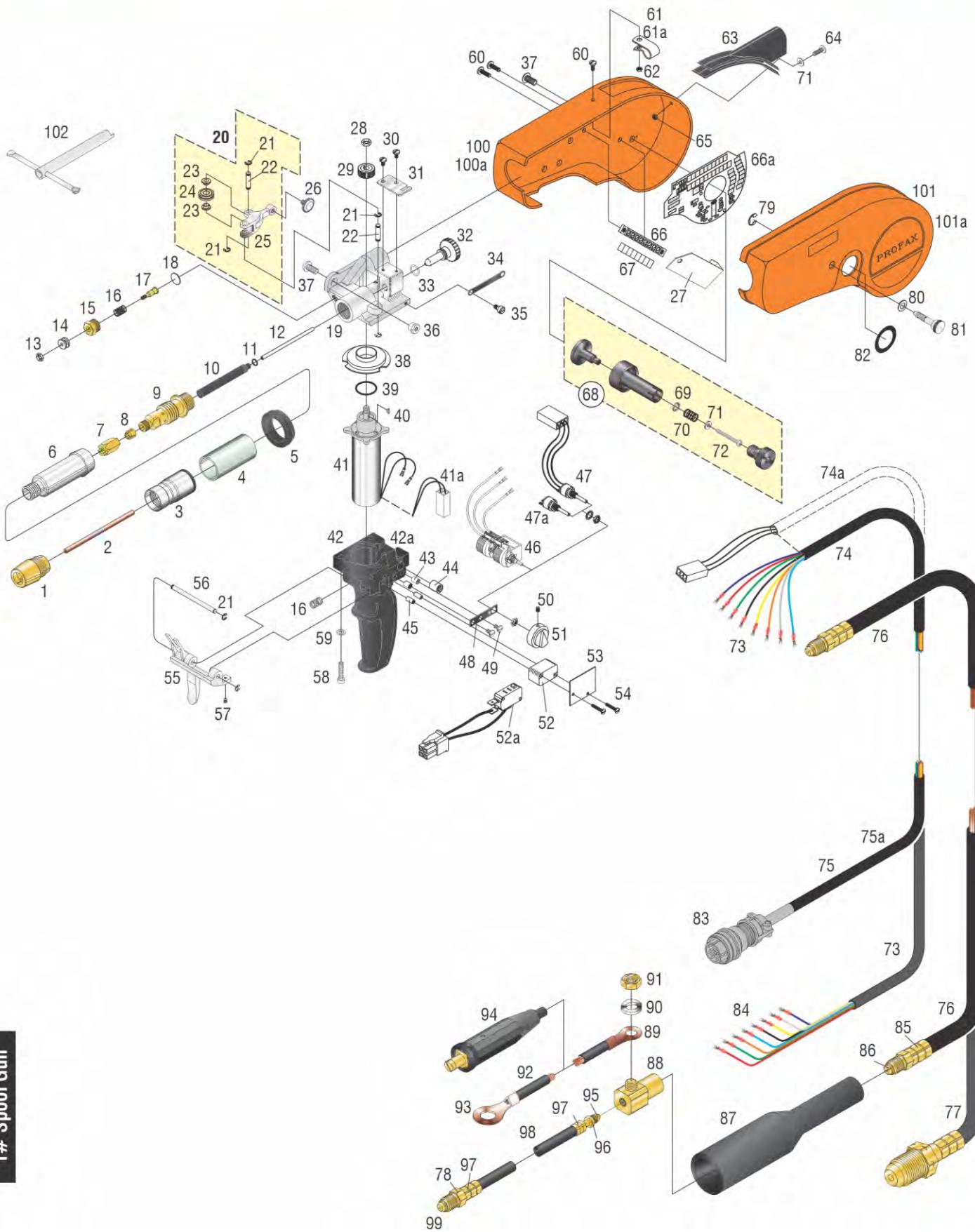
| PROFAX NO. | DESCRIPTION                | TIP I.D. | PROFAX NO. | DESCRIPTION      |
|------------|----------------------------|----------|------------|------------------|
| 17S-30     | Contact tip .030           | .040     | 27S62      | H.D. Nozzle 5/8" |
| 17S-35     | Contact tip .035           | .044     |            |                  |
| 17S-40     | Contact tip .040           | .049     | 27S75      | H.D. Nozzle 3/4" |
| 17S-45     | Contact tip .045           | .054     |            |                  |
| 17AS-364   | Contact tip 3/64" aluminum | .060     | 27S50GL    | H.D. Nozzle 1/2" |
| 17S-52     | Contact tip .052           | .064     |            |                  |
| 17S-116    | Contact tip 1/16"          | .073     | 27S62GL    | H.D. Nozzle 5/8" |
| 17AS-116   | Contact tip 1/16" aluminum | .078     |            |                  |
|            |                            |          | 27S75GL    | H.D. Nozzle 3/4" |
| 17ST-30    | Contact tip .030           | .040     |            |                  |
| 17ST-35    | Contact tip .035           | .044     |            |                  |
| 17ST-40    | Contact tip .040           | .049     |            |                  |
| 17ST-45    | Contact tip .045           | .054     |            |                  |
| 17ST-52    | Contact tip .052           | .064     |            |                  |
| 17ST-116   | Contact tip 1/16"          | .073     |            |                  |
| 27K50      | M.D. Nozzle 1/2"           |          |            |                  |
| 27S50      | H.D. Nozzle 1/2"           |          |            |                  |
| 27K62      | M.D. Nozzle 5/8"           |          |            |                  |

**AEC 200**



## AEC 200 1# Spool Gun Breakdown

**PROFAK**





# Replacement Parts for the AEC 200 1# Spool Gun

**PROFAX**

| <b>NO.</b> | <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                       | <b>NO.</b> | <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                                    |
|------------|-------------------|--|------------|-------------------|---|
| 1          | 4269              | Nozzle                                   | 55         | 1097              | Trigger   |
| 2          | 3115              | Contact tip                              | 56         | 1093              | Trigger pin   |
| 3          | 4147              | Nozzle body                              | 57         | 1682              | Set screw   |
| 4          | 4641              | Spacer                                   | 58         | 1134              | Screw   |
| 5          | 1102              | Grommet                                  | 59         | 1126              | Lock washer   |
| 6          | 4640              | Adapter sleeve                           | 60         | 1167              | Screw   |
| 7          | 1614              | Nut                                      | 61         | 1579              | Cable clamp   |
| 8          | 1613              | Fitting                                  | 61a        | 1579D             | Cable clamp (200-4DM)                                 |
| 9          | 1058              | Inner barrel                             | 62         | 1715              | Nut   |
| 10         | 1103              | Guide tube                               | 63         | 1059              | Sleeve  |
| 11         | 1111              | O-ring                                   | 64         | 1215              | Round head screw                                      |
| 12         | 5133              | Green liner .030-.035                    | 65         | 1012              | Speed nut   |
|            | 5109              | Red liner .045-3/64"                     | 66         | 1121              | Terminal strip  |
|            | 5134              | White liner 1/16"                        | 66a        | 9253              | PC board (200-4DM)                                    |
| 13         | 1743              | Pal nut                                  | 67         | 1114              | Marker strip  |
| 14         | 1100              | Guide                                    | 68         | 1048              | <b>Complete spindle assembly (includes #'s 69-72)</b> |
| 15         | 1754              | Retainer                                 | 69         | 1089              | Washer  |
| 16         | 1117              | Spring                                   | 70         | 1118              | Spindle spring  |
| 17         | 1107              | Valve pin                                | 71         | 1027              | D-Washer  |
| 18         | 1953              | Diaphragm                                | 72         | 1624              | Tension Screw   |
| 19         | 1098              | Housing                                  | 73         | 1969              | Spade terminal  |
| 20         | 1078              | <b>Arm assembly (includes #'s 21-25)</b> | 74         | 1060              | Control cable assembly                                |
| 21         | 1388              | Retaining ring                           | 74a        | 1060DM            | Cable w/Miller® 14 Pin (200-4DM)                      |
| 22         | 1077              | Pin                                      | 75         | 1060L             | Control cable assembly 30'                            |
| 23         | 1076              | Spacer                                   | 75a        | 1060-4            | Control cable assembly 50'                            |
| 24         | 1072              | Driven roll                              |            | 1060P             | Control cable assembly                                |
|            | 1072-.023         | Driven roll for .023 wire only           | 76         | 1057              | Hose cable assembly 15'                               |
| 25         | 1171              | Pressure Arm                             | 77         | 1057L             | Hose cable assembly 30'                               |
| 26         | 1122              | Adjusting screw                          | 78         | 1255              | Connection nut  |
| 27         | 9260              | Terminal Cover                           | 79         | 1052              | Retaining ring  |
| 28         | 1741              | Pal nut                                  | 80         | 1116              | Thrust washer   |
| 29         | 1080              | Drive roll                               | 81         | 1083              | Lock screw  |
| 30         | 1130              | Screw                                    | 82         | 1104              | Dial plate  |
| 31         | 1082              | Spring catch                             | 83         | 136961            | 14 pin plug for DM gun                                |
|            |                   |  |            | 6459              | 10 pin male plug for P gun                            |
| 32         | 1094              | Inlet bushing                            |            | 1607L             | 8 pin male plug for L & #4 gun                        |
| 33         | 1709              | O-ring                                   | 84         | 1963              | Spade terminal  |
| 34         | 1079              | Drive roll spring                        | 85         | 1433              | Ferrule   |
| 35         | 1987              | Pivot screw                              | 86         | 1832              | Fitting   |
| 36         | 1930              | Insulating insert                        | 87         | 1074              | Cable boot  |
| 37         | 1127              | Screw                                    | 88         | 1087              | Block   |
| 38         | 1081              | Motor insulator                          | 89         | 1972              | Terminal  |
| 39         | 1071              | O-ring                                   | 90         | 1009              | Washer  |
| 40         | 1004              | Key                                      | 91         | 1742              | Nut   |
| 41         | 1061              | Motor (36:1 ratio)                       | 92         | 1086              | Cable assembly 35'                                    |
|            | 1886              | Motor (64:1 ratio)                       | 93         | 1923              | Cable lug   |
| 41a        | 1886D             | Motor (200-4DM)                          | 94         | LDP-50M           | Dinse connector                                       |
| 42         | 1066              | Handle                                   | 95         | 1273              | Gland   |
| 42a        | 1066D             | Handle (200-4DM)                         | 96         | 1277              | Nut   |
| 43         | 1014              | Insert 6-32                              | 97         | 1206              | Ferrule   |
| 44         | 1037              | Insert 1/4"-20                           | 98         | 1085              | Hose assembly 35'                                     |
| 45         | 1036              | Insert 4-40                              | 99         | 1245              | Gland   |
| 46         | 1106              | Rheostat assembly                        | 100        | 1065              | Rear cover(Orange)                                    |
| 47         | 1606D             | Potentiometer (200-4DM)                  | 100a       | 1065RD            | Rear cover (200-4DM)(Red)                             |
| 47a        | 1606L             | Potentiometer for L & #4 gun             | 101        | 1064              | Front cover(Orange)                                   |
| 48         | 1095              | Bracket                                  | 101a       | 1064RD            | Front cover (200-4DM)(Red)                            |
| 49         | 1993              | Screw                                    | 102        | 1264              | Wrench  |
| 50         | 1131              | Set screw                                |            |                   |   |
| 51         | 1096              | Knob                                     |            |                   |   |
| 52         | 1280              | Micro switch                             |            |                   |   |
| 52a        | 1280D             | Micro switch assembly (200-4DM)          |            |                   |   |
| 53         | 1113              | Insulator                                |            |                   |   |
| 53a        | 1113D             | Insulator (200-4DM)                      |            |                   |   |
| 54         | 1018              | Screw                                    |            |                   |   |

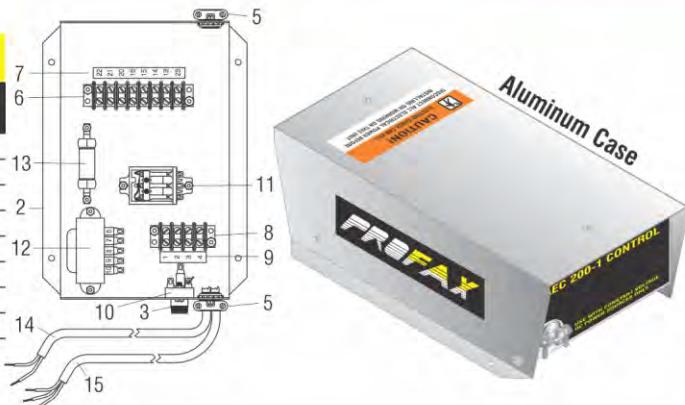


## AEC Control Boxes

**PROFAX**

### AEC 200-1

| NO. | PROFAX NO. | DESCRIPTION                  | NO. | PROFAX NO. | DESCRIPTION                  |
|-----|------------|------------------------------|-----|------------|------------------------------|
| 1   | 8328A      | Cover, top N/S*              | 9   | 8004       | Decal, 4 pole terminal strip |
| 2   | 8329A      | Base                         | 10  | 6314       | Bridge rectifier             |
| 3   | 6100       | Fuse holder                  | 11  | 6271       | Relay, 3 PDT-24VAC           |
| 4   | 6101       | Fuse 1 1/4 amp slo blo N/S*  | 12  | 6416       | Transformer, step down       |
| 5   | 7026       | Strain relief (2)            | 13  | 6010       | Resistor, 10 ohm 25 watt     |
| 6   | 7008       | Terminal strip 8 pole        | 14  | 6182       | Cable, 5' 18/2               |
| 7   | 8008       | Decal, 8 pole terminal strip | 15  | 6183       | Cable, 5' 18/3               |
| 8   | 7004       | Terminal strip 4 pole        |     |            |                              |



For use in connecting the AEC 200 welding gun to a constant voltage welding power source.

### AEC 200-1P

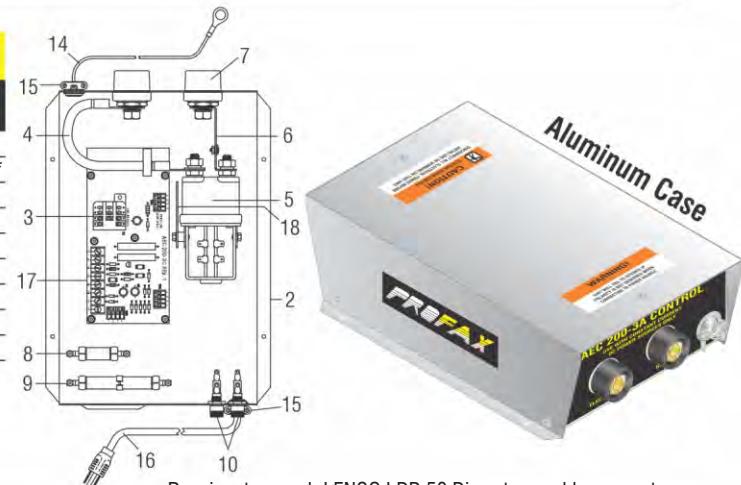
| NO. | PROFAX NO. | DESCRIPTION                  | NO. | PROFAX NO. | DESCRIPTION                  |
|-----|------------|------------------------------|-----|------------|------------------------------|
| 1   | 8328A      | Cover, top N/S*              | 9   | 8004       | Decal, 4 pole terminal strip |
| 2   | 8329A      | Base                         | 10  | 6314       | Bridge rectifier             |
| 3   | 6100       | Fuse holder                  | 11  | 6271       | Relay, 3 PDT-24VAC           |
| 4   | 6101       | Fuse 1 1/4 amp slo blo N/S*  | 12  | 6416       | Transformer, step down       |
| 5   | 7026       | Strain relief (2)            | 13  | 6010       | Resistor, 10 ohm 25 watt     |
| 6   | 7008       | Terminal strip 8 pole        | 14  | 6182       | Cable, 5' 18/2               |
| 7   | 8008       | Decal, 8 pole terminal strip | 15  | 6183       | Cable, 5' 18/3               |
| 8   | 7004       | Terminal strip 4 pole        | 16  | 6458       | 10 pin amphenol receptacle   |



For use in connecting the AEC 200P welding gun to a constant voltage welding power source.

### AEC 200-3A

| NO. | PROFAX NO. | DESCRIPTION              | NO. | PROFAX NO. | DESCRIPTION                  |
|-----|------------|--------------------------|-----|------------|------------------------------|
| 1   | 8333A      | Cover, top N/S*          | 10  | 6100       | Fuse holder                  |
| 2   | 8334A      | Base                     | 11  | 6101       | Fuse, 1 1/4 amp slo blo N/S* |
| 3   | 6275       | Relay 110V DC            | 12  | 6102       | Fuse, 2 amp slo blo N/S*     |
| 4   | 7014B      | Buss cable               | 14  | 6104       | Sensor lead                  |
| 5   | 6428       | Contactor                | 15  | 7026       | Strain relief (2)            |
| 6   | 7014A      | Bus bar                  | 16  | 6185       | Line cord                    |
| 7   | 08106      | Dinse panel mount (2)    | 17  | 6000BCK    | Printed circuit board assy   |
| 8   | 6010       | Resistor 10 ohm 25 watt  | 18  | 6428FS     | Flash suppressor             |
| 9   | 6013       | Resistor 100 ohm 50 watt |     |            |                              |



For use in connecting the AEC 200 welding gun to a constant current stationary or engine driven welding power source not having a contactor. **Recommended for aluminum welding only.**

Requires two each LENCO LDP-50 Dinse type cable connectors.

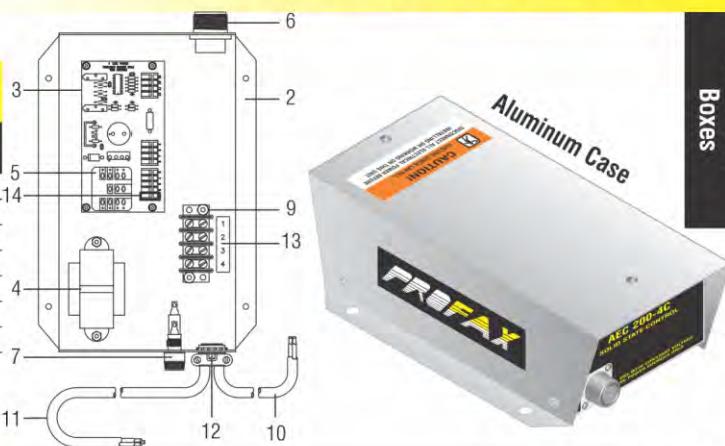


## AEC Control Boxes

**PROFAX**

### AEC 200-4C

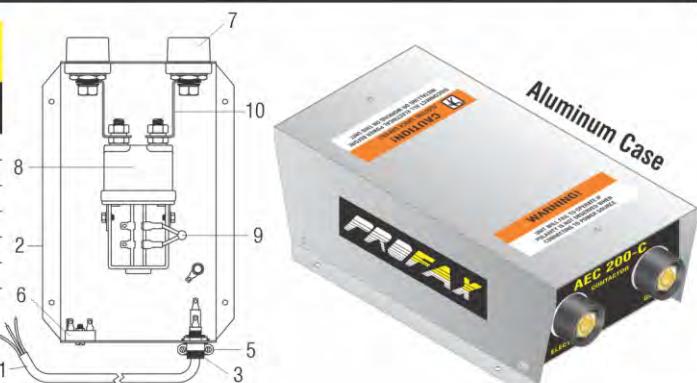
| NO. | PROFAX NO. | DESCRIPTION             | NO. | PROFAX NO. | DESCRIPTION                  |
|-----|------------|-------------------------|-----|------------|------------------------------|
| 1   | 8328A      | Top cover N/S*          | 8   | 6101       | Fuse, 1.25 amp 250V*         |
| 2   | 8336A      | Base                    | 9   | 7004       | Terminal strip               |
| 3   | 9250       | PC board                | 10  | 6182       | Contactor cord, 5 ft. 18/2   |
| 4   | 6416       | Transformer 115/24 50VA | 11  | 6183       | Primary cord, 5 ft. 18/3     |
| 5   | 9044       | Relay, 3PDT - 24VAC     | 12  | 7026       | Strain relief                |
| 6   | 6461       | 8 pin receptacle        | 13  | 8004       | Decal, 4 pole terminal strip |
| 7   | 6100       | Fuse holder             |     |            |                              |



For use in connecting the AEC 200-4 spoolgun to constant voltage power sources.

### AEC 200-C

| NO. | PROFAX NO. | DESCRIPTION                 | NO. | PROFAX NO. | DESCRIPTION           |
|-----|------------|-----------------------------|-----|------------|-----------------------|
| 1   | 8328A      | Cover, top N/S*             | 7   | 08106      | Dinse panel mount (2) |
| 2   | 8331A      | Base                        | 8   | 6428       | Contactor             |
| 3   | 6100       | Fuse holder                 | 9   | 6011       | Varistor assembly     |
| 4   | 6101       | Fuse 1 1/4 amp slo blo N/S* | 10  | 7014       | Bus bar (2)           |
| 5   | 7026       | Strain relief               | 11  | 6183       | Cable, 5' 18/3        |
| 6   | 6314       | Bridge rectifier            |     |            |                       |



For use with the AEC 200 welding gun and related controls, however, it may also be used in any application requiring a welding contactor, as long as operating parameters are observed.

Requires two each LENCO LDP-50 Dinse type cable connectors.

### AEC 200-LVC

| NO. | PROFAX NO. | DESCRIPTION           | NO. | PROFAX NO. | DESCRIPTION                  |
|-----|------------|-----------------------|-----|------------|------------------------------|
| 1   | 8328A      | Cover, top N/S*       | 10  | 6100       | Fuse holder                  |
| 2   | 8325A      | Base                  | 11  | 6101       | Fuse, 1 1/4 amp slo blo N/S* |
| 3   | 6271       | Relay 24VAC           | 12  | 086022     | 14 socket panel receptacle   |
| 4   | 7014       | Buss bar              | 13  | 6011       | Varistor assembly            |
| 5   | 7014C      | Bus bar               | 14  | 7026       | Strain relief                |
| 6   | 6416       | Transformer           | 15  | 6185       | Line cord                    |
| 7   | 6428       | Contactor             | 16  | 6428FS     | Flash suppressor assembly    |
| 8   | 6314       | Bridge rectifier      |     |            |                              |
| 9   | 08106      | Dinse panel mount (2) |     |            |                              |



For use with the AEC 200-4DM spoolgun on constant voltage power sources without an internal contactor.

Requires two each LENCO LDP-50 Dinse type cable connectors.

**TIG MASTER®****TIG Products  
Quick Reference****PROFAX**

| PRODUCT  | DESCRIPTION | PAGE  |
|--|-------------|---|
| <b>9 Series Torches</b>  |             | 125 amp air cooled torches<br>118 - 119                               |
| <b>12 Series Torches</b>   |             | 500 amp water cooled torches<br>120 - 121                             |
| <b>17 Series Torches<br/>17HD Series Torches</b>                       |             | 150 amp air cooled torches<br>180 amp air cooled torches<br>122 - 123 |
| <b>18 Series Torches</b>   |             | 350 amp water cooled torches<br>124 - 125                             |
| <b>20 Series Torches</b>   |             | 250 amp water cooled torches<br>126 - 127                             |
| <b>24 Series Torches</b>   |             | 80 amp air cooled & 180 amp water cooled torches<br>128 - 129         |
| <b>25 Series Torches</b>   |             | 200 amp water cooled torches<br>130 - 131                             |
| <b>26 Series Torches<br/>26HD Series Torches</b>                       |             | 200 amp air cooled torches<br>250 amp air cooled torches<br>132 - 133 |
| <b>27 Series Torches</b>   |             | 500 amp water cooled machine torches<br>134 - 135                     |
| <b>Internal Welding<br/>TIG Torches and<br/>TIG Torch Cable Covers</b> |             | XL Series TIG Torches<br>Velcro and Zipper cable covers<br>136        |

**TIG MASTER®**

# TIG Products

## Quick Reference

**PROFAX**

| PRODUCT                                  | DESCRIPTION   | PAGE   |
|--|---|--|
| <b>PX20TIG</b>                           |  <b>NEW!</b> | Cold wire feed system<br>137   |
| <b>Cups</b>                              |              | Alumina cups, collets,<br>collet bodies, & gas lenses<br>138 - 139         |
| <b>Adapters</b><br><b>Back Caps</b>      |              | Power cable adapters, back caps,<br>& handles<br>140                       |
| <b>TTC-150</b><br><b>TTC-200</b>         |             | TIG torch connectors<br>141  |
| <b>Dinse</b><br><b>Connectors</b>        |            | TIG machine connectors<br>142 - 143  |
| <b>EWG Tungsten &amp; Accessory Kits</b> |            | EWG Tungsten &<br>Accessory kits for all TIG torches<br>144 - 145          |
| <b>Finger Tip &amp; Foot Controls</b>    |            | TIG Arc Switch Assemblies<br>Remote Fingertip Controls<br>146 - 147<br>148 |
| <b>EASYkleen</b>                         |            | Stainless Steel<br>Polisher/Cleaner<br>149 - 150                           |

TIG Index

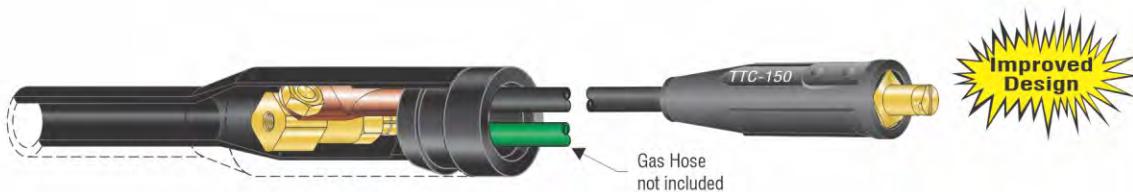
**TIG MASTER****9 Series Torches****PROFAX**

125 amps • Air cooled

**TIG 9  
Series Torches**

| TORCH PACKAGES w/1 PIECE RUBBER POWER CABLE |        | TORCH PACKAGES w/2 PIECE POWER CABLE AND GAS HOSE |        | TORCH PACKAGES w/1 PIECE PRO FLEX POWER CABLE |        | TORCH PACKAGES EQUIPPED w/TTC-150 CONNECTOR |        |
|---|--------|---|--------|---|--------|---|--------|
| PROFAX NO.                                  | LENGTH | PROFAX NO.  | LENGTH | PROFAX NO.                                    | LENGTH | PROFAX NO.                                  | LENGTH |
| 9-12R                                       | 12½'   | 9-12-2  | 12½'   | 9-12PF  | 12½'   | 9FV-12R-TTC                                 | 12½'   |
| 9-25R                                       | 25'    | 9-25-2  | 25'    | 9-25PF  | 25'    | 9FV-25R-TTC                                 | 25'    |
| 9F-12R                                      | 12½'   | 9F-12-2   | 12½'   | 9F-12PF                                       | 12½'   | 9V-12R-TTC                                  | 12½'   |
| 9F-25R                                      | 25'    | 9F-25-2   | 25'    | 9F-25PF                                       | 25'    | 9V-25R-TTC                                  | 25'    |
| 9FV-12R                                     | 12½'   | 9FV-12-2  | 12½'   | 9FV-12PF                                      | 12½'   |   |        |
| 9FV-25R                                     | 25'    | 9FV-25-2  | 25'    | 9FV-25PF                                      | 25'    |   |        |
| 9FV-50R                                     | 50'    | 9P-12-2   | 12½'   | 9V-12PF                                       | 12½'   |   |        |
| 9P-12R                                      | 12½'   | 9P-25-2   | 25'    | 9V-25PF                                       | 25'    |   |        |
| 9P-25R                                      | 25'    | 9V-12-2   | 12½'   |   |        |   |        |
| 9V-12R                                      | 12½'   | 9V-25-2   | 25'    |   |        |   |        |
| 9V-25R                                      | 25'    |   |        |   |        |   |        |

Torch packages include torch body, handle, cable assembly, and medium back cap where applicable.



**TTC-150  
Connector**  
(see page 141)

**The best connector  
for field welding  
applications**

**Accessory Kits**

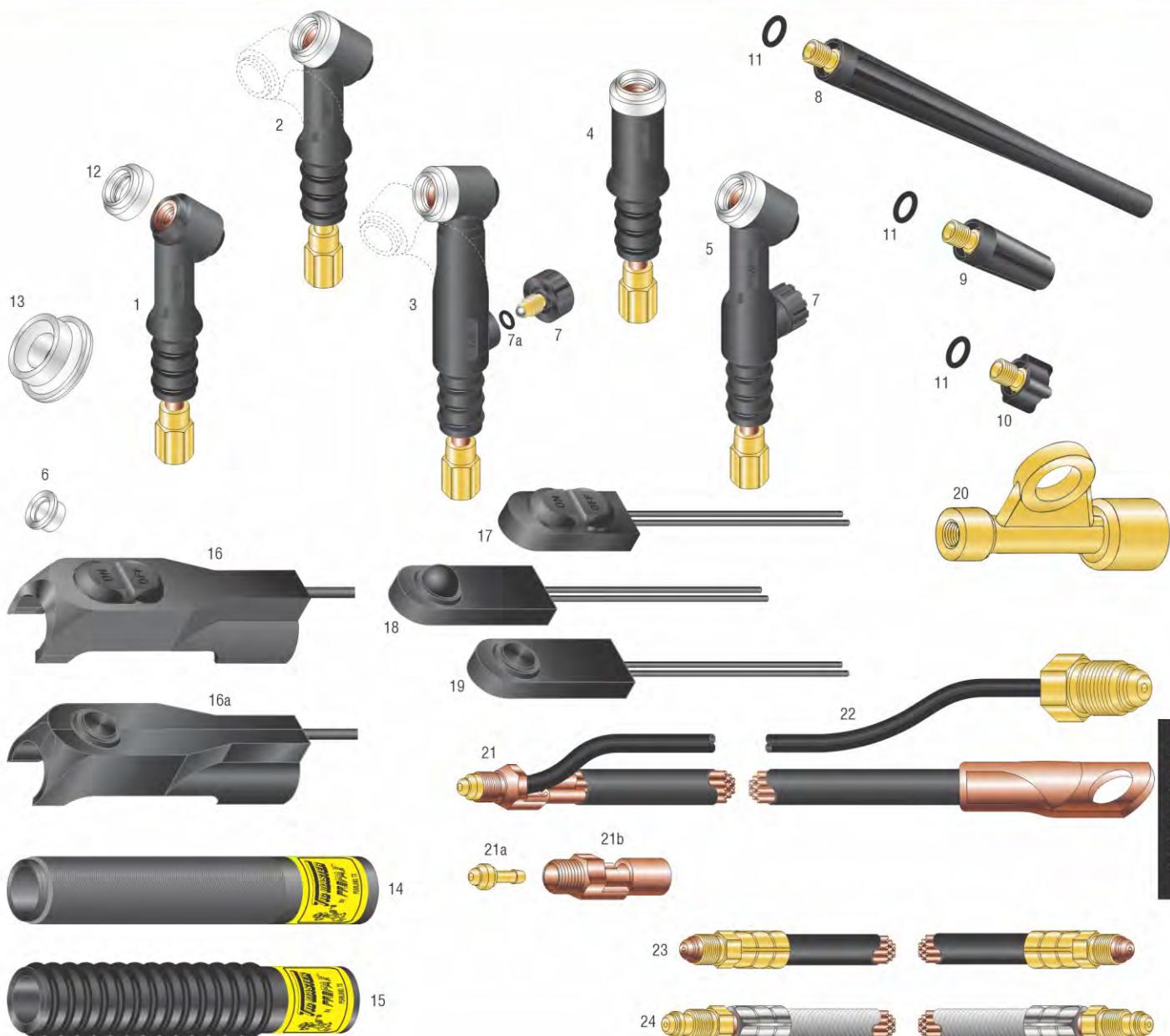
(Pages 144-145)



**9, 9F, 9FV, 9P, & 9V**

125 amps • Air cooled

**PROFAK**



**TIG 9  
Series Torches**

| NO. | PROFAK NO. | DESCRIPTION   | NO.  | PROFAK NO. | DESCRIPTION                           |
|-----|------------|---|------|------------|---------------------------------------|
| 1.  | 9          | Torch body (includes 598882 cup gasket)               | 15.  | H-100R     | Handle, ribbed                        |
| 2.  | 9F         | Flexible torch body (includes 598882 cup gasket)      | 16.  | BS-2S*     | Snap on switch holder (comes w/SW-2)  |
| 3.  | 9FV        | Flexible torch body w/valve (incl. 598882 cup gasket) | 16a. | BS-1S*     | Snap on switch holder (comes w/SW-1F) |
| 4.  | 9P         | Pencil torch body (includes 598882 cup gasket)        | 17.  | SW-2       | Switch (Off/On) w/flat round button   |
| 5.  | 9V         | Torch body w/valve (includes 598882 cup gasket)       | 18.  | SW-1       | Switch (momentary) w/round button     |
| 6.  | 9-4        | Insert (used on non-PROFAK torches)                   | 19.  | SW-1F      | Switch (momentary) w/flat button      |
| 7.  | VS-2       | Valve stem, includes S-008 O-ring                     | 20.  | 105Z57     | Power cable adapter                   |
| 7a. | S-008      | O-ring  | 21.  | 57Y01-2    | Optional 2 pc. power cable 12½'       |
| 8.  | 41V24      | Long back cap, w/98W77 O-ring                         | 21.  | 57Y03-2    | Optional 2 pc. power cable 25'        |
| 9.  | 41V35      | Medium back cap, w/98W77 O-ring                       | 21a. | 17B        | Tip nipple                            |
| 10. | 41V33      | Short back cap, w/98W77 O-ring                        | 21b. | 17A        | Crimp tip fitting                     |
| 11. | 98W77      | Back cap O-ring                                       | 22.  | 45V09R     | Rubber gas hose 12½'                  |
| 12. | 598882     | Cup gasket  | 22.  | 45V10R     | Rubber gas hose 25'                   |
| 13. | 54N63-20   | Large gas lens insulator                              | 23.  | 57Y01R     | 1 pc. rubber power cable 12½'         |
| 14. | H-100      | Handle, smooth (Used w/Snap-On snap switch holder)    | 23.  | 57Y03R     | 1 pc. rubber power cable 25'          |
|     |            |   | 24.  | 57Y01PF    | 1 pc. pro flex power cable 12½'       |
|     |            |   |      | 57Y03PF    | 1 pc. pro flex power cable 25'        |

Alumina cups..... page 138

Collets, collet bodies, and gas lenses..... page 139

Power cable adapters, back caps,

valve stems and handles..... page 140

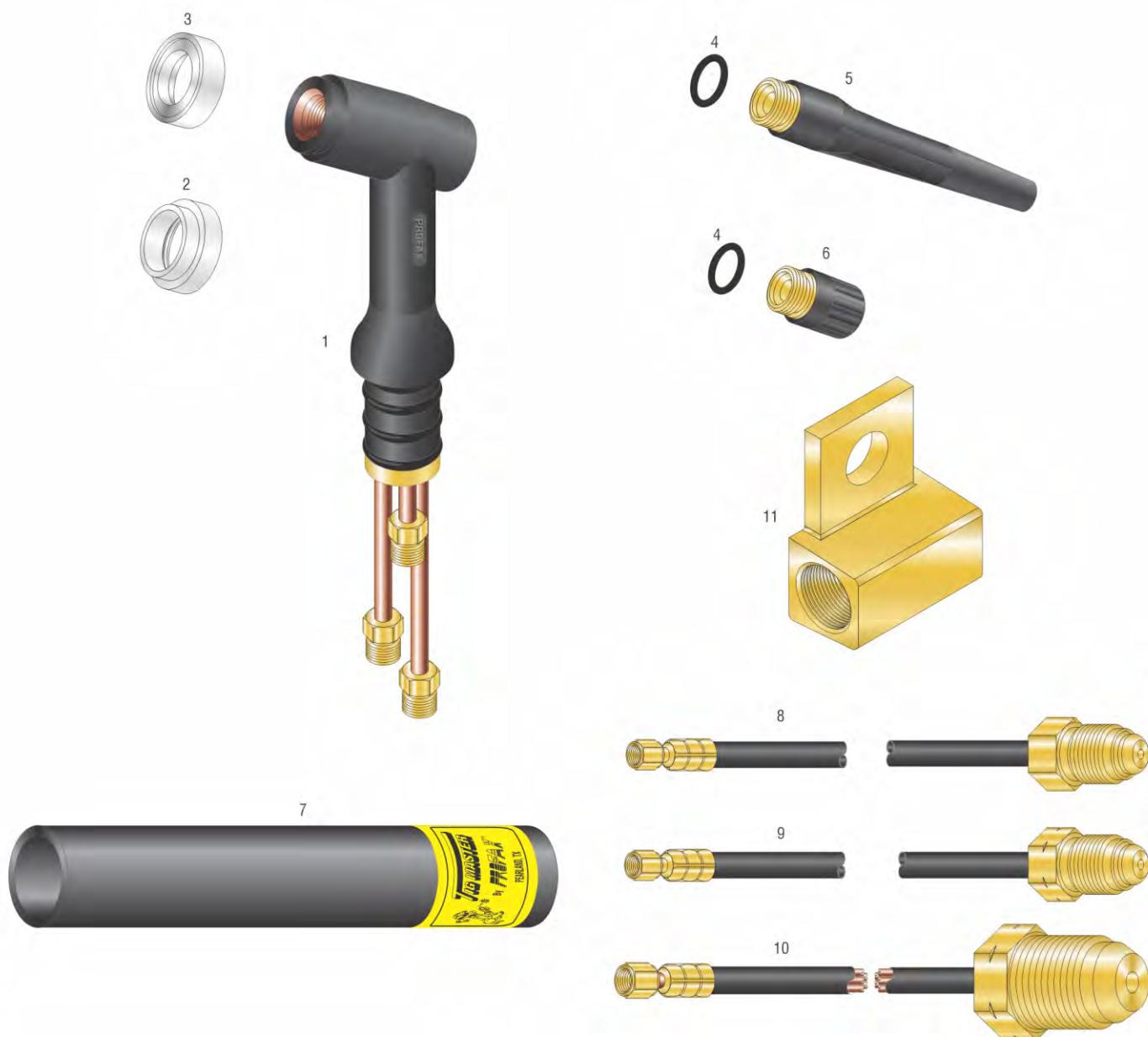
Accessory kits..... page 144-145

\*Use with H-100 smooth handle only.

**TIG MASTER®****12 Series Torches****PROFAX**TIG 12  
Series Torches**500 amps • Water cooled**

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 12-12R     | Torch package - torch body w/12½' rubber power cable, water & gas hose |
| 12-25R     | Torch package - torch body w/25' rubber power cable, water & gas hose  |
| 12-50R     | Torch package - torch body w/50' rubber power cable, water & gas hose  |

**Torch packages include complete torch head and cable assembly****\*Back caps sold separately**



**TIG 12**  
Series Torches

| NO. | PROFAX NO. | DESCRIPTION                           | NO. | PROFAX NO. | DESCRIPTION      |
|-----|------------|---------------------------------------|-----|------------|------------------|
| 1.  | 12         | Torch body (includes 12NG cup gasket) | 8.  | 40V82R     | Gas hose 12½'    |
| 2.  | 12GLG      | Gas lens gasket                       |     | 40V82RL    | Gas hose 25'     |
| 3.  | 12NG       | Cup gasket                            |     | 40V82RL50  | Gas hose 50'     |
| 4.  | 85W50      | Back cap O-ring                       | 9.  | 40V83R     | Water hose 12½'  |
| 5.  | 56Y44      | Long back cap, w/85W50 O-ring         |     | 40V83RL    | Water hose 25'   |
| 6.  | 56Y45      | Short back cap, w/85W50 O-ring        |     | 40V83RL50  | Water hose 50'   |
| 7.  | 85WP13     | Handle, smooth                        | 10. | 40V84R     | Power cable 12½' |
|     |            |                                       |     | 40V84RL    | Power cable 25'  |
|     |            |                                       |     | 40V84RL50  | Power cable 50'  |
|     |            |                                       | 11. | 45V11      | Adapter block    |

Alumina cups..... page 138  
 Collets, collet bodies, and gas lenses..... page 139  
 Power cable adapters, back caps,  
 valve stems and handles..... page 140

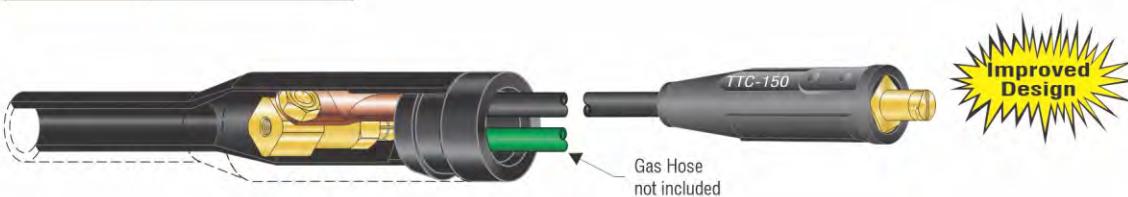
**TIG MASTER®****17 Series Torches****PROFAX**

150 amps • Air cooled

(For Heavy Duty Applications  
Rated @ 180 Amps)TIG 17  
Series Torches

| TORCH PACKAGES w/1 PIECE RUBBER POWER CABLE |        | TORCH PACKAGES w/2 PIECE POWER CABLE AND GAS HOSE |        | TORCH PACKAGES w/1 PIECE PRO FLEX POWER CABLE |        | TORCH PACKAGES EQUIPPED w/TTC-150 CONNECTOR |        |
|---|--------|---|--------|---|--------|---|--------|
| PROFAX NO.                                  | LENGTH | PROFAX NO.  | LENGTH | PROFAX NO.                                    | LENGTH | PROFAX NO.                                  | LENGTH |
| 17-12R                                      | 12½'   | 17-12-2   | 12½'   | 17-12PF                                       | 12½'   | 17FV-12R-TTC                                | 12½'   |
| 17-25R                                      | 25'    | 17-25-2   | 25'    | 17-25PF                                       | 25'    | 17FV-25R-TTC                                | 25'    |
| 17-50R                                      | 50'    | 17F-12-2  | 12½'   | 17F-12PF                                      | 12½'   | 17FVHD-12R-TTC                              | 12½'   |
| 17F-12R                                     | 12½'   | 17F-25-2  | 25'    | 17F-25PF                                      | 25'    | 17FVHD-25R-TTC                              | 25'    |
| 17F-25R                                     | 25'    | 17FV-12-2   | 12½'   | 17FV-12PF                                     | 12½'   | 17FV-12PF-TTC                               | 12½'   |
| 17F-50R                                     | 50'    | 17FV-25-2   | 25'    | 17FV-25PF                                     | 25'    | 17FV-25PF-TTC                               | 25'    |
| 17FV-12R                                    | 12½'   | 17V-12-2  | 12½'   | 17FVHD-12PF                                   | 12½'   | 17FVHD-12PF-TTC                             | 12½'   |
| 17FV-25R                                    | 25'    | 17V-25-2  | 25'    | 17FVHD-25PF                                   | 25'    | 17FVHD-25PF-TTC                             | 25'    |
| 17FV-50R                                    | 50'    |   |        | 17V-12PF                                      | 12½'   | 17V-12R-TTC                                 | 12½'   |
| 17FVHD-12R                                  | 12½'   |   |        | 17V-25PF                                      | 25'    | 17V-25R-TTC                                 | 25'    |
| 17FVHD-25R                                  | 25'    |   |        |   |        | 17V-12PF-TTC                                | 12½'   |
| 17FVHD-50R                                  | 50'    |   |        |   |        | 17V-25PF-TTC                                | 25'    |
| 17V-12R                                     | 12½'   |   |        |   |        |   |        |
| 17V-25R                                     | 25'    |   |        |   |        |   |        |
| 17V-50R                                     | 50'    |   |        |   |        |   |        |

Torch packages include torch body, handle, cable assembly, and long back cap.


**TTC-150  
Connector**  
(see page 141)

**The best connector  
for field welding  
applications**
**Accessory Kits**

(Pages 144-145)



17, 17F, 17FV, 17FVHD &amp; 17V

150 amps • Air cooled (Standard)  
180 amps • Air cooled (HD Series)**PROFAX**TIG 17  
Series Torches

| NO.  | PROFAX NO. | DESCRIPTION   | NO.       | PROFAX NO.                     | DESCRIPTION                           |
|------|------------|---|-----------|--------------------------------|---------------------------------------|
| 1.   | 17         | Torch body (includes 18CG cup gasket & 18-7 insert)                             | 16.       | BS-2S*                         | Snap on switch holder (comes w/SW-2)  |
| 2.   | 17F        | Flexible torch body (incl. 18CG cup gasket & 18-7 insert)                       | 16a.      | BS-1S*                         | Snap on switch holder (comes w/SW-1F) |
| 3.   | 17FV       | Flexible torch body w/valve (includes 18CG cup gasket & 18-7 insert)            | 17.       | SW-2                           | Switch (Off/On) w/flat round button   |
| 3a.  | 17FVHD     | Flexible heavy duty torch body w/valve (includes 18CG cup gasket & 18-7 insert) | 18.       | SW-1                           | Switch (momentary) w/round button     |
| 4.   | 17V        | Torch w/valve (incl. 18CG cup gasket & 18-7 insert)                             | 19.       | SW-1F                          | Switch (momentary) w/flat button      |
| 5.   | 18-7       | Insert  | 20.       | 105Z57                         | power cable adapter                   |
| 6.   | VS-2       | Valve stem, includes S-008 O-ring   | 21.       | 57Y01-2                        | Optional 2 pc. power cable 12½'       |
| 6a.  | S-008      | O-ring  | 57Y03-2   | Optional 2 pc. power cable 25' |                                       |
| 7.   | 57Y02      | Long back cap, w/98W18 O-ring   | 21a.      | 17B                            | Tip nipple                            |
| 8.   | 300M       | Medium back cap, w/98W18 O-ring   | 21b.      | 17A                            | Crimp tip fitting                     |
| 9.   | 57Y04      | Short back cap, w/98W18 O-ring  | 22.       | 45V09R                         | Rubber gas hose 12½'                  |
| 10.  | 98W18      | Back cap O-ring   | 45V10R    | Rubber gas hose 25'            |                                       |
| 11.  | 18CG       | Cup gasket  | 23.       | 57Y01R                         | 1 pc. rubber power cable 12½'         |
| 12.  | 54N01      | Gas lens insulator  | 57Y03R    | 1 pc. rubber power cable 25'   |                                       |
| 13.  | 54N63      | Large diameter gas lens insulator   | 57Y03R-50 | 1 pc. rubber power cable 50'   |                                       |
| 13a. | 18CG-20    | Cup gasket for stubby collet and collet body                                    | 24.       | 57Y01PF                        | 1 pc. pro flex power cable 12½'       |
| 14.  | H-100      | Handle, smooth (Used w/Snap-On snap switch holder)                              | 57Y03PF   | 1 pc. pro flex power cable 25' |                                       |
| 15.  | H-100R     | Handle, ribbed  |           |                                |                                       |

Alumina cups.....  
Collets, collet bodies, and gas lenses.....  
Power cable adapters, back caps, valve stems and handles....  
Accessory kits.....

page 138  
page 139  
page 140  
pages 144-145

\*Use with H-100 smooth handle only.

**TIG MASTER®**

## 18 Series Torches

**PROFAX**

350 amps • Water cooled

### Cable Covers

TIG 18  
Series Torches**VELCRO**

USE WITH 18 SERIES - VINYL HOSE &amp; CABLE

**PROFAX NO. DESCRIPTION**

|       |                                  |
|-------|----------------------------------|
| 3-10V | 3" cover for 12½' torch packages |
| 3-22V | 3" cover for 25' torch packages  |
| 3-48V | 3" cover for 50' torch packages  |

USE WITH 18 SERIES - RUBBER HOSE &amp; CABLE

**PROFAX NO. DESCRIPTION**

|       |                                  |
|-------|----------------------------------|
| 4-10V | 4" cover for 12½' torch packages |
| 4-22V | 4" cover for 25' torch packages  |
| 4-48V | 4" cover for 50' torch packages  |

**ZIPPER**

USE WITH 18 SERIES - VINYL HOSE &amp; CABLE

**PROFAX NO. DESCRIPTION**

|      |                                  |
|------|----------------------------------|
| 3-10 | 3" cover for 12½' torch packages |
| 3-22 | 3" cover for 25' torch packages  |
| 3-48 | 3" cover for 50' torch packages  |

USE WITH 18 SERIES - RUBBER HOSE &amp; CABLE

**PROFAX NO. DESCRIPTION**

|       |                                  |
|-------|----------------------------------|
| 4-10  | 4" cover for 12½' torch packages |
| 4-22  | 4" cover for 25' torch packages  |
| 4-48  | 4" cover for 50' torch packages  |
| 4-100 | 4" cover for 100' torch packages |

**PROFAX NO. DESCRIPTION**

|          |   |
|----------|---|
| 18-12    | Torch package - w/12½' vinyl power cable, water & gas hose                      |
| 18-12R   | Torch package - w/12½' optional rubber power cable, water & gas hose            |
| 18-25    | Torch package - w/25' vinyl power cable, water & gas hose                       |
| 18-25R   | Torch package - w/25' optional rubber power cable, water & gas hose             |
| 18-50R   | Torch package - w/50' optional rubber power cable, water & gas hose             |
| 18F-12   | Torch package - Flex body w/12½' vinyl power cable, water & gas hose            |
| 18F-12R  | Torch package - Flex body w/12½' optional rubber power cable, water & gas hose  |
| 18F-25   | Torch package - Flex body w/25' vinyl power cable, water & gas hose             |
| 18F-25R  | Torch package - Flex body w/25' optional rubber power cable, water & gas hose   |
| 18F-50R  | Torch package - Flex body w/50' optional rubber power cable, water & gas hose   |
| 18P-12   | Torch package - 12½' w/o rack   |
| 18P-12R  | Torch package - 12½' w/o rack (w/optional rubber power cable, water & gas hose) |
| 18P-25   | Torch package - 25' w/o rack  |
| 18P-25R  | Torch package - 25' w/o rack with optional rubber power cable, water & gas hose |
| 18P32-12 | Torch package - 12½' w/32 pitch rack  |
| 18P32-25 | Torch package - 25' w/32 pitch rack   |
| 18V-12   | Torch package - Valve body w/12½' vinyl power cable, water & gas hose           |
| 18V-12R  | Torch package - Valve body w/12½' optional rubber power cable, water & gas hose |
| 18V-25   | Torch package - Valve body w/25' vinyl power cable, water & gas hose            |
| 18V-25R  | Torch package - Valve body w/25' optional rubber power cable, water & gas hose  |
| 18V-50R  | Torch package - Valve body w/50' optional rubber power cable, water & gas hose  |

Torch packages include torch body, handle, cable assembly, and long back cap where applicable.

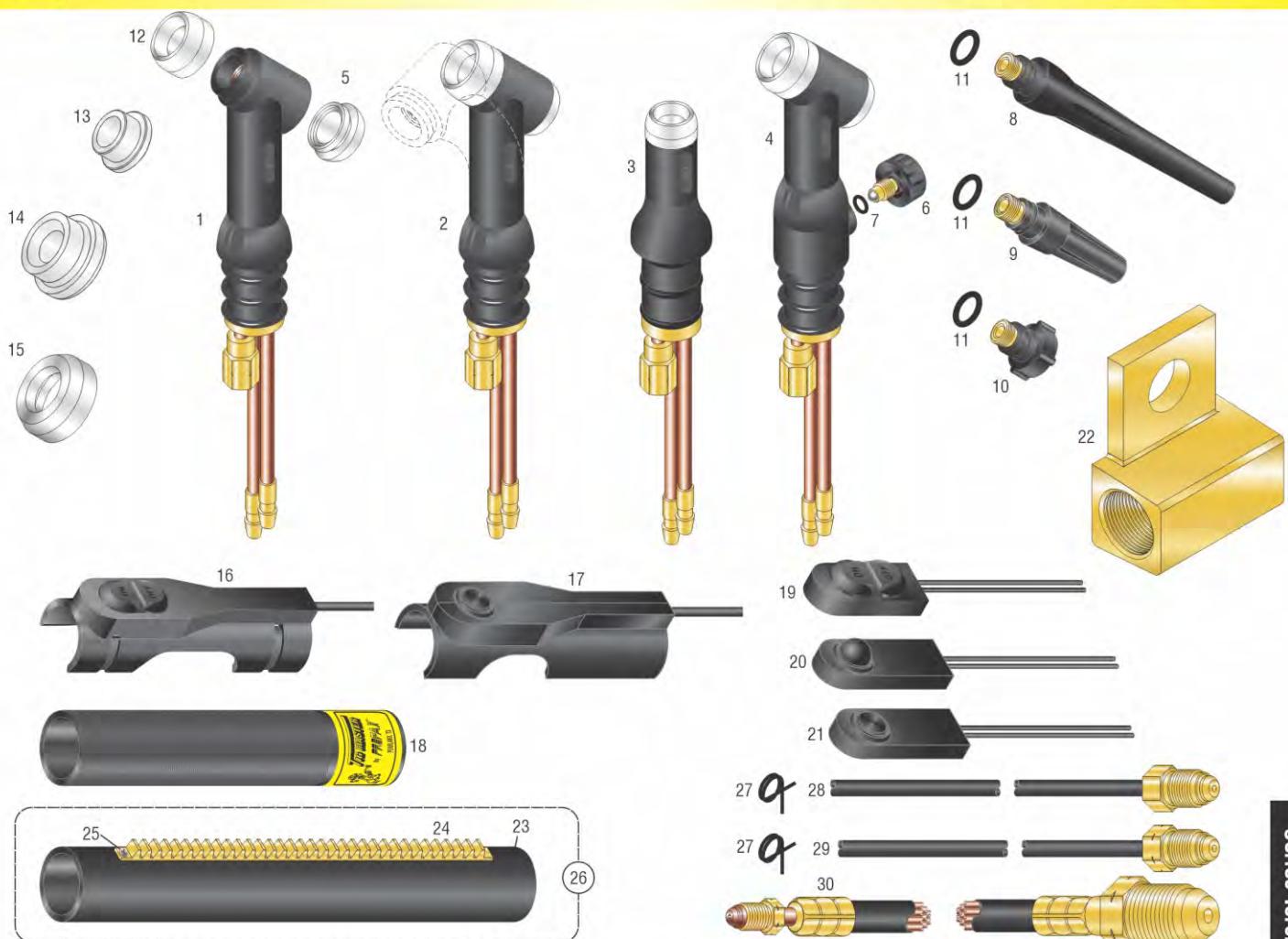
18 torches are available with extended tubes and handle (48" long) for internal welding of small diameter pipe. If requested we can install a sensor lead.

**Accessory Kits**

(Pages 144-145)

**18, 18F, 18P, & 18V**

350 amps • Water cooled

**PROFAX**TIG 18  
Series Torches

| NO. | PROFAX NO. | DESCRIPTION   | NO. | PROFAX NO. | DESCRIPTION                      |
|-----|------------|---|-----|------------|----------------------------------|
| 1.  | 18         | Torch body (includes 18CG cup gasket & 18-7 insert)       | 24. | 18R32      | 32 pitch rack w/screws           |
| 2.  | 18F        | Flexible torch body (incl. 18CG cup gasket & 18-7 insert) | 25. | 18R-1      | Rack screw                       |
| 3.  | 18P        | Pencil torch body w/o rack (includes 18CG)                | 26. | 18PB-32    | 10" barrel w/32P rack and screws |
| 4.  | 18V        | Torch body w/valve (incl. 18CG cup gasket & 18-7 insert)  | 27. | 53N04      | Tie wire                         |
| 5.  | 18-7       | Insert  | 28. | 40V75      | Gas hose 12½'                    |
| 6.  | VS-2       | Valve stem, includes S-008 O-ring                         |     | 40V75R     | Braided gas hose 12½'            |
| 7.  | S-008      | O-ring  |     | 41V30      | Gas hose 25'                     |
| 8.  | 57Y02      | Long back cap, w/98W18 O-ring                             |     | 41V30R     | Braided gas hose 25'             |
| 9.  | 300M       | Medium back cap, w/98W18 O-ring                           |     | 41V30R-50  | Braided gas hose 50'             |
| 10. | 57Y04      | Short back cap, w/98W18 O-ring                            | 29. | 40V74      | Water hose 12½'                  |
| 11. | 98W18      | Back cap O-ring   |     | 40V74R     | Braided water hose 12½'          |
| 12. | 18CG       | Cup gasket  |     | 41V32      | Water hose 25'                   |
| 13. | 54N01      | Gas lens insulator  |     | 41V32R     | Braided water hose 25'           |
| 14. | 54N63      | Large diameter gas lens insulator                         |     | 41V32R-50  | Braided water hose 50'           |
| 15. | 18CG-20    | Cup gasket for stubby collet and collet body              | 30. | 40V64      | Power cable 12½'                 |
| 16. | BL-2S*     | Snap on switch holder (comes w/SW-2)                      |     | 40V64R     | Rubber power cable 12½'          |
| 17. | BL-1S*     | Snap on switch holder (comes w/SW-1F)                     |     | 41V29      | Power cable 25'                  |
| 18. | H-200      | Handle, smooth  |     | 41V29R     | Rubber power cable 25'           |
| 19. | SW-2       | Switch (Off/On) w/flat round button                       |     | 41V29R-50  | Rubber power cable 50'           |
| 20. | SW-1       | Switch (momentary) w/round button                         |     |            |                                  |
| 21. | SW-1F      | Switch (momentary) w/flat button                          |     |            |                                  |
| 22. | 45V11      | Power cable adapter                                       |     |            |                                  |
| 23. | 18PB       | Barrel (10" long x 1-3/8" dia.)                           |     |            |                                  |

\*Use with H-200 smooth handle only.

**EK-1-25R EXTENSION KIT for use on 18, 20, 24W, & 25 Series Torches** see page 144Alumina cups..... page 138  
Collets, collet bodies, and gas lenses..... page 139Power cable adapters, back caps,  
valve stems and handles..... page 140  
Accessory kits..... pages 144-145

**TIG MASTER®****20 Series Torches****PROFAX**TIG 20  
Series Torches

250 amps • Water cooled

**Cable Covers**

VELCRO

| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 3-10V      | 3" cover for 12½' torch packages |
| 3-22V      | 3" cover for 25' torch packages  |
| 3-48V      | 3" cover for 50' torch packages  |



ZIPPER

| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 3-10       | 3" cover for 12½' torch packages |
| 3-22       | 3" cover for 25' torch packages  |
| 3-48       | 3" cover for 50' torch packages  |

| PROFAX NO. | TORCH PACKAGES  |
|------------|---|
| 20-12      | Torch package - w/12½' vinyl power cable, water & gas hose                        |
| 20-12R     | Torch package - w/12½' optional rubber power cable, water & gas hose              |
| 20-25      | Torch package - w/25' vinyl power cable, water & gas hose                         |
| 20-25R     | Torch package - w/25' optional rubber power cable, water & gas hose               |
| 20-50R     | Torch package - w/50' optional rubber power cable, water & gas hose               |
| 20F-12     | Torch package - Flex body w/12½' vinyl power cable, water & gas hose              |
| 20F-12R    | Torch package - Flex body w/12½' optional rubber power cable, water & gas hose    |
| 20F-25     | Torch package - Flex body w/25' vinyl power cable, water & gas hose               |
| 20F-25R    | Torch package - Flex body w/25' optional rubber power cable, water & gas hose     |
| 20F-50R    | Torch package - Flex body w/50' optional rubber power cable, water & gas hose     |
| 20P-12     | Torch package - Pencil style w/12½' vinyl power cable, water & gas hose           |
| 20P-12R    | Torch package - Pencil style w/12½' optional rubber power cable, water & gas hose |
| 20P-25     | Torch package - Pencil style w/25' vinyl power cable, water & gas hose            |
| 20P-25R    | Torch package - Pencil style w/25' optional rubber power cable, water & gas hose  |
| 20P-50R    | Torch package - Pencil style w/50' optional rubber power cable, water & gas hose  |
| 20V-12     | Torch package - Valve body w/12½' vinyl power cable, water & gas hose             |
| 20V-12R    | Torch package - Valve body w/12½' optional rubber power cable, water & gas hose   |
| 20V-25     | Torch package - Valve body w/25' vinyl power cable, water & gas hose              |
| 20V-25R    | Torch package - Valve body w/25' optional rubber power cable, water & gas hose    |
| 20V-50R    | Torch package - Valve body w/50' optional rubber power cable, water & gas hose    |

Torch packages include torch body, handle, cable assembly, and medium back cap.

20 torches are available with extended tubes and handle (48" long) for internal welding of small diameter pipe. If requested we can install a sensor lead.

**Accessory Kits**

(Pages 144-145)



# 20, 20F, 20P & 20V

250 amps • Water cooled

**PROFAX**



TIG 20  
Series Torches

| NO.  | PROFAX NO. | DESCRIPTION  | NO.       | PROFAX NO.              | DESCRIPTION                      |
|------|------------|--|-----------|-------------------------|----------------------------------|
| 1.   | 20         | Torch body (includes 598882 cup gasket)              | 17.       | SW-1F                   | Switch (momentary) w/flat button |
| 2.   | 20F        | Flexible torch body (includes 598882 cup gasket)     | 18.       | 45V11                   | Power cable adapter              |
| 3.   | 20P        | Pencil style torch body (includes 598882 cup gasket) | 19.       | 53N04                   | Tie wire                         |
| 4.   | 20V        | Torch body w/valve (includes 598882 cup gasket)      | 20.       | 45V09                   | Gas hose 12½'                    |
| 5.   | 9-4        | Insert (used on non-PROFAX torches)                  | 45V09R    | Rubber gas hose 12½'    |                                  |
| 6.   | VS-2       | Valve stem, includes S-008 O-ring                    | 45V10     | Gas hose 25'            |                                  |
| 6a.  | S-008      | O-ring   | 45V10R    | Rubber gas hose 25'     |                                  |
| 7.   | 41V24      | Long back cap, w/98W77 O-ring                        | 45V10R-50 | Rubber gas hose 50'     |                                  |
| 8.   | 41V35      | Medium back cap, w/98W77 O-ring                      | 21.       | 45V07                   | Water hose 12½'                  |
| 9.   | 41V33      | Short back cap, w/98W77 O-ring                       | 45V07R    | Rubber water hose 12½'  |                                  |
| 10.  | 98W77      | Back cap O-ring                                      | 45V08     | Water hose 25'          |                                  |
| 11.  | 598882     | Cup gasket   | 45V08R    | Rubber water hose 25'   |                                  |
| 12.  | 54N63-20   | Large gas lens insulator                             | 45V08R-50 | Rubber water hose 50'   |                                  |
| 13.  | H-100      | Handle, smooth                                       | 22.       | 45V03                   | Power cable 12½'                 |
| 14.  | BS-2S*     | Snap on switch holder (comes w/SW-2)                 | 45V03R    | Rubber power cable 12½' |                                  |
| 14a. | BS-1S*     | Snap on switch holder (comes w/SW-1F)                | 45V04     | Power cable 25'         |                                  |
| 15.  | SW-2       | Switch (Off/On) w/flat round button                  | 45V04R    | Rubber power cable 25'  |                                  |
| 16.  | SW-1       | Switch (momentary) w/round button                    | 45V04R-50 | Rubber power cable 50'  |                                  |

\*Use with H-100 smooth handle only.

## EK-1-25R EXTENSION KIT for use on 18, 20, 24W, & 25 Series Torches

see page 144

Alumina cups..... page 138  
Collets, collet bodies, and gas lenses..... page 139

Power cable adapters, back caps,  
valve stems and handles..... page 140  
Accessory kits..... pages 144-145

**TIG MASTER®****24 Series Torches****PROFAX**TIG 24  
Series Torches(24-24V) 80 amps • Air cooled  
(24W) 180 amps • Water cooled**Cable Covers**

VELCRO

| PROFAX NO. | DESCRIPTION   |
|------------|---|
| 24-12R     | Torch package - 12½' 1 pc. rubber power cable                                     |
| 24-25R     | Torch package - 25' 1 pc. rubber power cable                                      |
| 24V-12R    | Torch package - Valve body w/12½' 1 pc. rubber power cable                        |
| 24V-25R    | Torch package - Valve body w/25' 1 pc. rubber power cable                         |
| 24W-12     | Torch package - Water cooled w/12½' vinyl power cable, water & gas hose           |
| 24W-12R    | Torch package - Water cooled w/12½' optional rubber power cable, water & gas hose |
| 24W-25     | Torch package - Water cooled w/25' vinyl power cable, water & gas hose            |
| 24W-25R    | Torch package - Water cooled w/25' optional rubber power cable, water & gas hose  |

Torch packages include torch body, handle, and cable assembly

VELCRO

| PROFAX NO. | DESCRIPTION                          |
|------------|--------------------------------------|
| 3-10V      | 3" cover for 12½' 24W torch packages |
| 3-22V      | 3" cover for 25' 24W torch packages  |



ZIPPER

| PROFAX NO. | DESCRIPTION                          |
|------------|--------------------------------------|
| 3-10       | 3" cover for 12½' 24W torch packages |
| 3-22       | 3" cover for 25' 24W torch packages  |

24W torches are available with extended tubes and handle (48" long) for internal welding of small diameter pipe. If requested we can install a sensor lead.

**Accessory Kits**

(Pages 144-145)



**24, 24V, & 24W**

(24-24V) 80 amps • Air cooled  
(24W) 180 amps • Water cooled

**PROFAX**



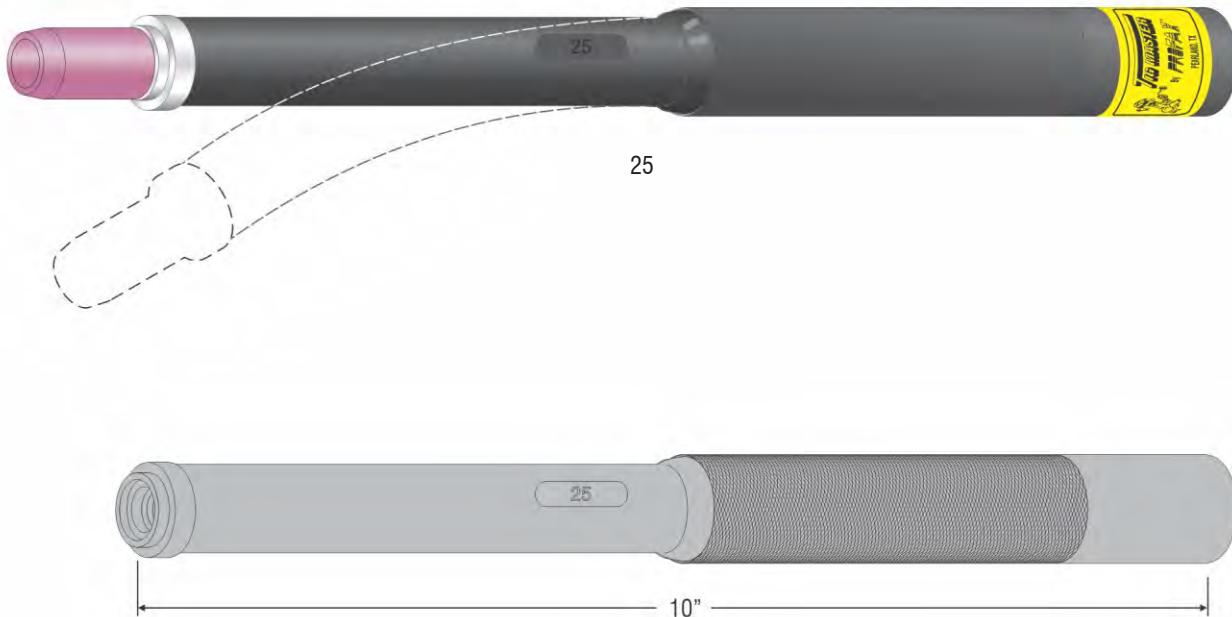
TIG 24  
Series Torches

| NO. | PROFAX NO.       | DESCRIPTION  | NO.       | PROFAX NO.                         | DESCRIPTION         |
|-----|------------------|--|-----------|------------------------------------|---------------------|
| 1.  | 24               | Torch body (includes 53N22 cup gasket)               | 13.       | 45V09                              | Gas hose 12 1/2'    |
| 2.  | 24V              | Torch w/valve (includes 53N22 cup gasket)            | 45V09R    | Gas hose 12 1/2', rubber           |                     |
| 3.  | 24W              | Torch body water cooled (includes 53N22 cup gasket)  | 45V10     | Gas hose 25'                       |                     |
| 4.  | VS-2             | Valve stem, includes S-008 O-ring                    | 45V10R    | Gas hose 25', rubber               |                     |
| 4a. | S-008            | O-ring   | 14.       | 45V07                              | Water hose 12 1/2'  |
| 5.  | 53N04            | Hose clamps (wire tie)                               | 45V07R    | Water hose 12 1/2', rubber         |                     |
| 6.  | 53N22            | Cup gasket   | 45V08     | Water hose 25'                     |                     |
| 7.  | 53N66            | Gas lens insulator                                   | 45V08R    | Water hose 25', rubber             |                     |
| 8.  | H-100            | Smooth handle (24W)                                  | 15.       | 45V03                              | Power cable 12 1/2' |
| 9.  | H-100R           | Handle, ribbed (24 or 24V)                           | 45V03R    | Power cable 12 1/2', w/rubber hose |                     |
| 10. | 45V11            | Power cable adapter (24W)                            | 45V04     | Power cable 25'                    |                     |
| 11. | 53N43            | Power cable adapter (24 or 24V)                      | 45V04R    | Power cable 25', w/rubber hose     |                     |
| 12. | 56Y38R<br>56Y97R | Rubber power cable 12 1/2'<br>Rubber power cable 25' | 24 or 24V |                                    |                     |

## EK-1-25R EXTENSION KIT for use on 18, 20, 24W, & 25 Series Torches

see page 144

- Alumina cups..... page 138
- Collets, collet bodies, and gas lenses..... page 139
- Power cable adapters, back caps,  
valve stems and handles..... page 140
- Accessory kits..... pages 144-145

**TIG MASTER®****25 Series Torches****PROFAX**

200 amps • Water cooled

TIG 25  
Series Torches

## Cable Covers



VELCRO

| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 3-10V      | 3" cover for 12½' torch packages |
| 3-22V      | 3" cover for 25' torch packages  |
| 3-48V      | 3" cover for 50' torch packages  |

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 25-12      | Torch package - w/12½' vinyl power cable, water & gas hose           |
| 25-12R     | Torch package - w/12½' optional rubber power cable, water & gas hose |
| 25-25      | Torch package - w/25' vinyl power cable, water & gas hose            |
| 25-25R     | Torch package - w/25' optional rubber power cable, water & gas hose  |

Torch packages include torch body, handle, cable assembly.

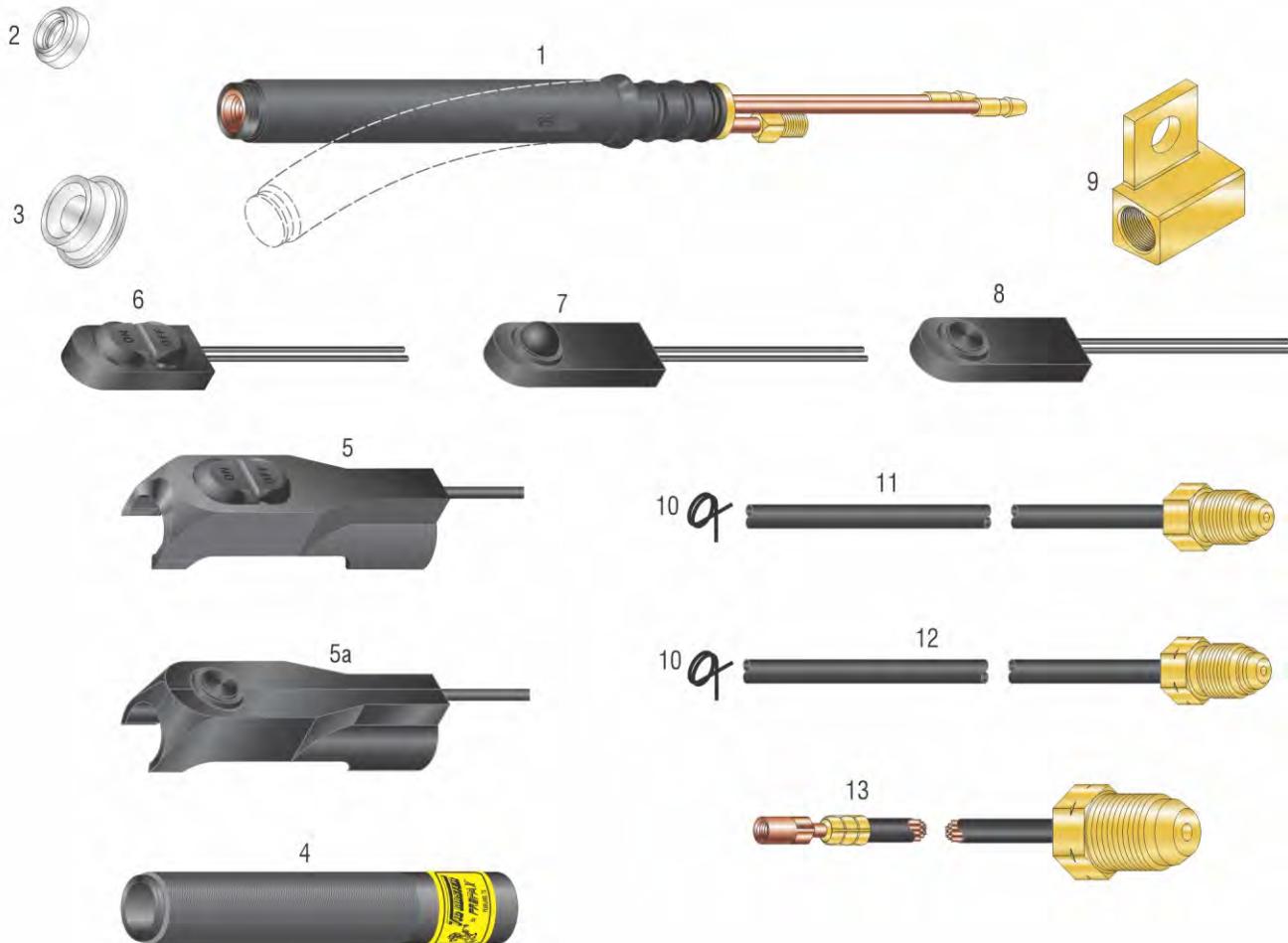


ZIPPER

| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 3-10       | 3" cover for 12½' torch packages |
| 3-22       | 3" cover for 25' torch packages  |
| 3-48       | 3" cover for 50' torch packages  |

## Accessory Kit

(Pages 144-145)



**TIG 25**  
Series Torches

| NO. | PROFAX NO. | DESCRIPTION                             | NO.    | PROFAX NO.                      | DESCRIPTION      |
|-----|------------|---|--------|---------------------------------|------------------|
| 1.  | 25         | Torch body (includes 598882 cup gasket) | 11.    | 45V09                           | Gas hose 12½'    |
| 2.  | 598882     | Cup gasket                              | 45V09R | Gas hose 12½', rubber           |                  |
| 3.  | 54N63-20   | Large gas lens insulator                | 45V10  | Gas hose 25'                    |                  |
| 4.  | H-100      | Handle, smooth                          | 45V10R | Gas hose 25', rubber            |                  |
| 5.  | BS-2S*     | Snap on switch holder (comes w/SW-2)    | 12.    | 45V07                           | Water hose 12½'  |
| 5a. | BS-1S*     | Snap on switch holder (comes w/SW-1F)   | 45V07R | Water hose 12½', rubber         |                  |
| 6.  | SW-2       | Switch (Off/On) w/flat round button     | 45V08  | Water hose 25'                  |                  |
| 7.  | SW-1       | Switch (momentary) w/round button       | 45V08R | Water hose 25', rubber          |                  |
| 8.  | SW-1F      | Switch (momentary) w/flat button        | 13.    | 45V03                           | Power cable 12½' |
| 9.  | 45V11      | Power cable adapter                     | 45V03R | Power cable 12½', w/rubber hose |                  |
| 10. | 53N04      | Tie wire                                | 45V04  | Power cable 25'                 |                  |
|     |            |   | 45V04R | Power cable 25', w/rubber hose  |                  |

\*Use with H-100 smooth handle only.

## EK-1-25R EXTENSION KIT for use on 18, 20, 24W, & 25 Series Torches

see page 144

Alumina cups..... page 138  
Collets, collet bodies, and gas lenses..... page 139

Power cable adapters, back caps,  
valve stems and handles..... page 140  
Accessory kits..... pages 144-145

**TIG MASTER®****26 Series Torches****PROFAX**

26

26F

26FV

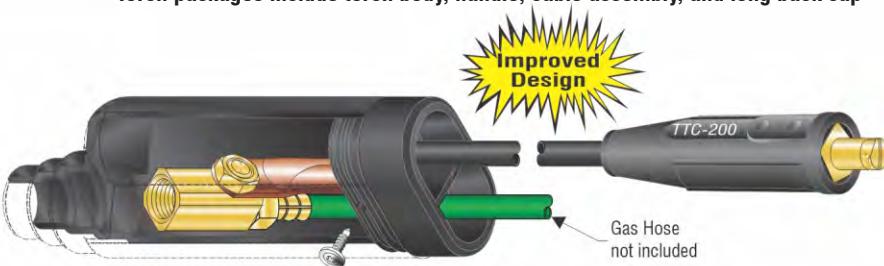
26V

26FV-HD

**TIG 26  
Series Torches****200 amps • Air cooled**(For Heavy Duty Applications  
Rated @ 250 Amps)

| TORCH PACKAGES w/1 PIECE RUBBER POWER CABLE |        | TORCH PACKAGES w/2 PIECE POWER CABLE AND GAS HOSE |        | TORCH PACKAGES w/1 PIECE PRO FLEX POWER CABLE |        | TORCH PACKAGES EQUIPPED w/TTC-200 CONNECTOR |        |
|---|--------|---|--------|---|--------|---|--------|
| PROFAX NO.                                  | LENGTH | PROFAX NO.  | LENGTH | PROFAX NO.                                    | LENGTH | PROFAX NO.                                  | LENGTH |
| 26-12R                                      | 12½'   | 26-12-2   | 12½'   | 26-12PF                                       | 12½'   | 26FV-12R-TTC                                | 12½'   |
| 26-25R                                      | 25'    | 26-25-2   | 25'    | 26-25PF                                       | 25'    | 26FV-25R-TTC                                | 25'    |
| 26-50R                                      | 50'    | 26F-12-2  | 12½'   | 26F-12PF                                      | 12½'   | 26FVHD-12R-TTC                              | 12½'   |
| 26F-12R                                     | 12½'   | 26F-25-2  | 25'    | 26F-25PF                                      | 25'    | 26FVHD-25R-TTC                              | 25'    |
| 26F-25R                                     | 25'    | 26FV-12-2   | 12½'   | 26FV-12PF                                     | 12½'   | 26V-12R-TTC                                 | 12½'   |
| 26F-50R                                     | 50'    | 26FV-25-2   | 25'    | 26FV-25PF                                     | 25'    | 26V-25R-TTC                                 | 25'    |
| 26FV-12R                                    | 12½'   | 26FVHD-12-2                                       | 12½'   | 26FVHD-12PF                                   | 12½'   |   |        |
| 26FV-25R                                    | 25'    | 26FVHD-25-2                                       | 25'    | 26FVHD-25PF                                   | 25'    |   |        |
| 26FV-50R                                    | 50'    | 26V-12-2  | 12½'   | 26V-12PF                                      | 12½'   |   |        |
| 26FVHD-12R                                  | 12½'   | 26V-25-2  | 25'    | 26V-25PF                                      | 25'    |   |        |
| 26FVHD-25R                                  | 25'    |   |        |   |        |   |        |
| 26V-12R                                     | 12½'   |   |        |   |        |   |        |
| 26V-25R                                     | 25'    |   |        |   |        |   |        |
| 26V-50R                                     | 50'    |   |        |   |        |   |        |

Torch packages include torch body, handle, cable assembly, and long back cap

**TTC-200  
Connector**  
(see page 141)**The best connector  
for field welding  
applications****Accessory Kits**

(Pages 144-145)



**26, 26F, 26FV, 26FVHD, & 26V** 200 amps • Air cooled (Standard)  
250 amps • Air cooled (HD Series)

**PROFAX**



TIG 26  
Series Torches

| NO.  | PROFAX NO. | DESCRIPTION   | NO.  | PROFAX NO. | DESCRIPTION  |
|------|------------|---|------|------------|--|
| 1.   | 26         | Torch body (includes 18CG cup gasket & 18-7 insert)                             | 14.  | H-200      | Handle, smooth (Used w/Snap-On snap switch holder) |
| 2.   | 26F        | Flexible torch body (includes 18CG cup gasket & 18-7 insert)                    | 15.  | H-200R     | Handle, ribbed                                     |
| 3.   | 26FV       | Flexible torch body w valve (includes 18CG cup gasket & 18-7 insert)            | 16.  | BL-2S*     | Snap on switch holder (comes with SW-2)            |
| 3a.  | 26FVHD     | Flexible heavy duty torch body w valve (includes 18CG cup gasket & 18-7 insert) | 16a. | BL-1S*     | Snap on switch holder (comes with SW-1F)           |
| 4.   | 26V        | Torch body w valve (includes 18CG cup gasket & 18-7 insert)                     | 17.  | SW-2       | Switch (Off/On) w/flat round button                |
| 5.   | 18-7       | Insert  | 18.  | SW-1       | Switch (momentary) w/round button                  |
| 6.   | VS-1       | Valve stem, includes S-008 O-ring   | 19.  | SW-1F      | Switch (momentary) w/flat button                   |
| 6a.  | S-008      | O-ring  | 20.  | 45V62      | Power cable adapter                                |
| 7.   | 57Y02      | Long back cap, w/98W18 O-ring   | 21.  | 46V28-2    | Optional 2 pc. power cable 12½'                    |
| 8.   | 300M       | Medium back cap, w/98W18 O-ring   | 21.  | 46V30-2    | Optional 2 pc. power cable 25'                     |
| 9.   | 57Y04      | Short back cap, w/98W18 O-ring  | 21a. | 26B        | Tip nipple   |
| 10.  | 98W18      | Back cap O-ring   | 21b. | 26A        | Power cable crimp                                  |
| 11.  | 18CG       | Cup gasket  | 21c. | 1255       | 5/8-18 RH male nut                                 |
| 12.  | 54N01      | Gas lens insulator  | 22.  | 40V75R     | Rubber gas hose 12½'                               |
| 13.  | 54N63      | Large diameter gas lens insulator   | 22.  | 41V30R     | Rubber gas hose 25'                                |
| 13a. | 18CG-20    | Cup gasket for stubby collet and collet body                                    | 23.  | 46V28R     | 1 pc. rubber power cable 12½'                      |
|      |            |   | 23.  | 46V30R     | 1 pc. rubber power cable 25'                       |
|      |            |   | 23.  | 46V30R-50  | 1 pc. rubber power cable 50'                       |
|      |            |   | 24.  | 46V28PF    | 1 pc. pro flex power cable 12½'                    |
|      |            |   | 24.  | 46V30PF    | 1 pc. pro flex power cable 25'                     |

Alumina cups..... page 138  
Collets, collet bodies, and gas lenses..... page 139

Power cable adapters, back caps,  
valve stems and handles..... page 140  
Accessory kits..... pages 144-145

\*Use with H-200 smooth handle only.

**TIG MASTER®****27 Series TIG Torches****PROFAX**

500 amps • Water cooled machine torch

TIG 27  
Series Torches

## Cable Covers



VELCRO

| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 4-10V      | 4" cover for 12½' torch packages |
| 4-22V      | 4" cover for 25' torch packages  |



ZIPPER

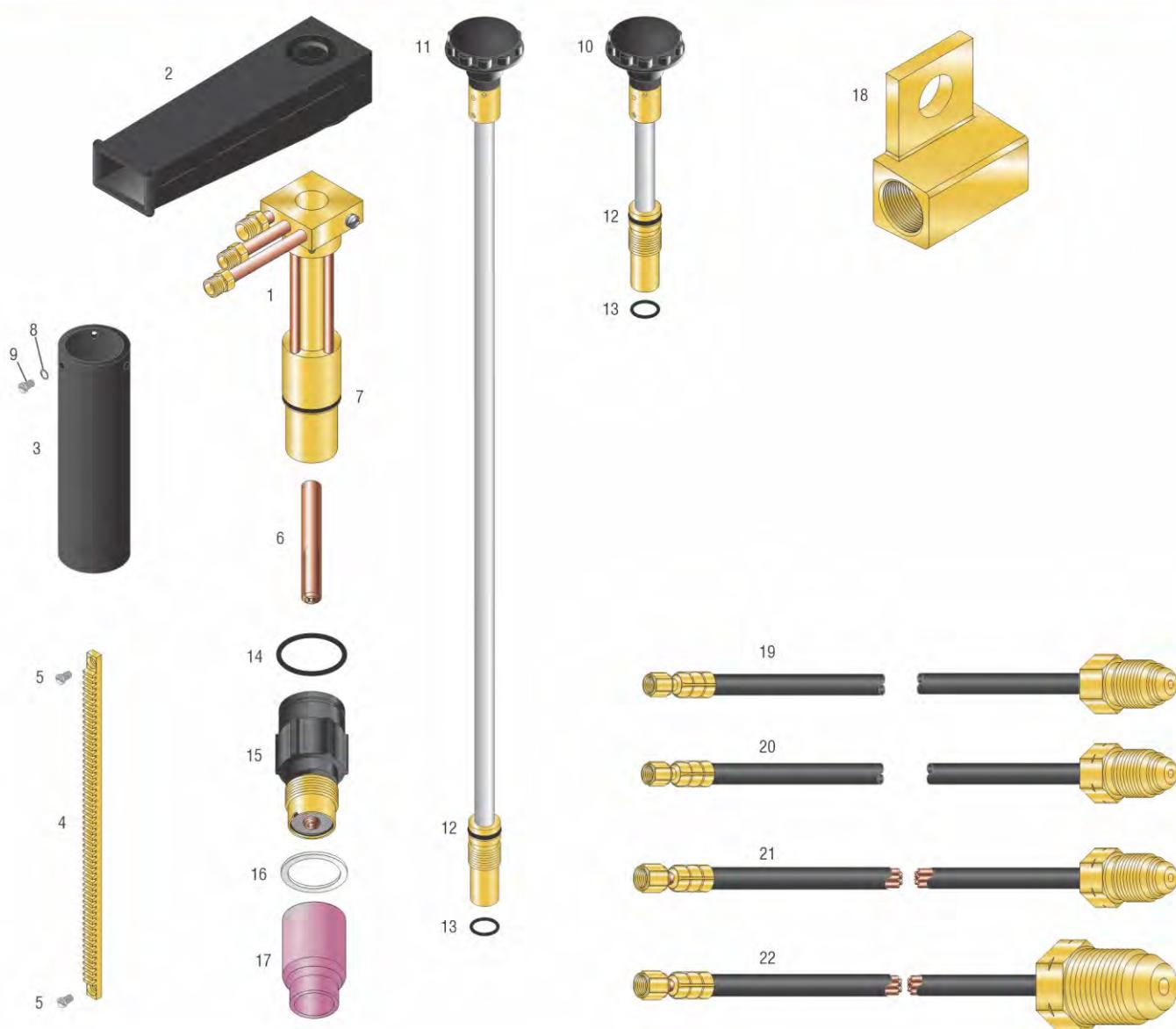
| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| 4-10       | 4" cover for 12½' torch packages |
| 4-22       | 4" cover for 25' torch packages  |
| 4-48       | 4" cover for 50' torch packages  |
| 4-100      | 4" cover for 100' torch packages |

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 27A-3      | Torch package - 9" torch body w/3' rubber power cable, water & gas hose    |
| 27A-12     | Torch package - 9" torch body w/12½' rubber power cable, water & gas hose  |
| 27A-25     | Torch package - 9" torch body w/25' rubber power cable, water & gas hose   |
| 27B-3      | Torch package - 20" torch body w/3' rubber power cable, water & gas hose   |
| 27B-12     | Torch package - 20" torch body w/12½' rubber power cable, water & gas hose |
| 27B-25     | Torch package - 20" torch body w/25' rubber power cable, water & gas hose  |

Torch packages include complete torch head and cable assembly

**27A & 27B**

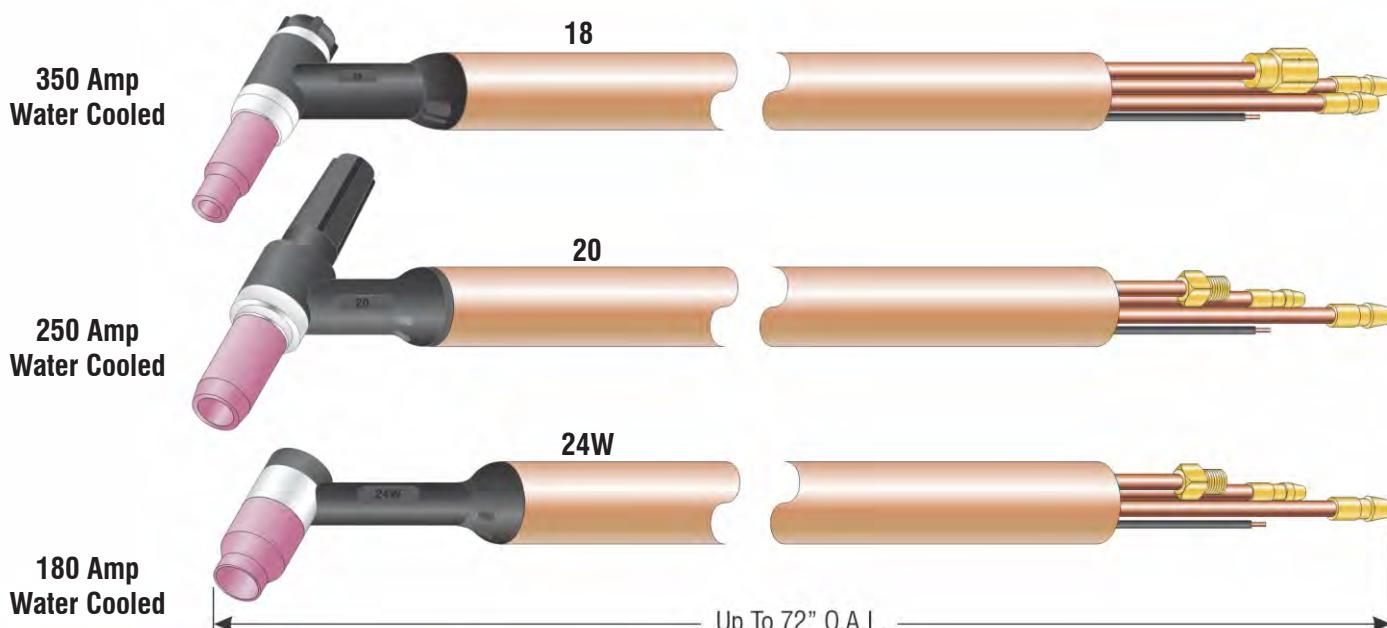
500 amps • Water cooled machine torch

**PROFAX**
**TIG 27**  
**Series Torches**

| NO. | PROFAX NO.                | DESCRIPTION   | NO. | PROFAX NO.                    | DESCRIPTION  |
|-----|---------------------------|---|-----|-------------------------------|--|
| 1.  | 27A<br>27B                | Torch body (9") includes shaft assembly, barrel & boot<br>Torch body (20") includes shaft assembly, barrel & boot | 14. | 181W89                        | O-ring   |
| 2.  | 27-12                     | Boot  | 15. |                               | Gas lens collet body (see page 139)                    |
| 3.  | 27-10A<br>27-10B<br>27-9B | Barrel for "A" model<br>Barrel for "B" model<br>Barrel with rack holes for "B" model                              | 16. | 57N56                         | Teflon gasket  |
| 4.  | 27R32                     | Rack 32 pitch "B" model only  | 17. |                               | Alumina nozzle (see page 138)                          |
| 5.  | 18R-1                     | Screw   | 18. | 45V11                         | Power cable adapter use w/12 1/2' & 25' torch packages |
| 6.  |                           | Collet (see page 139)   | 19. | 40V82R-3<br>40V82R<br>40V82RL | Gas hose 3'<br>Gas hose 12 1/2'<br>Gas hose 25'        |
| 7.  | 27-2-4                    | O-ring  | 20. | 40V83R-3<br>40V83R<br>40V83RL | Water hose 3'<br>Water hose 12 1/2'<br>Water hose 25'  |
| 8.  | 27-11                     | Lock washer   | 21. | 40V84R-3                      | Power cable 3'   |
| 9.  | 27-19                     | Nylon screw   | 22. | 40V84R<br>40V84RL             | Power cable 12 1/2'<br>Power cable 25'                 |
| 10. | 27-13A                    | Shaft assembly for "A" model torch  |     |                               |  |
| 11. | 27-13B                    | Shaft assembly for "B" model torch  |     |                               |  |
| 12. | 27-13-2                   | O-ring  |     |                               |  |
| 13. | 27-13-3                   | O-ring  |     |                               |  |

Alumina cups..... page 138  
 Collets and gas lenses..... page 139

## Internal Welding TIG Torch



Extra long torches are available with extended tubes and handle up to 72" long w/sensor lead for internal welding of small diameter pipe.

**TIG 18,20,24W**  
**XL Series Torches**



**VELCRO**

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>               |
|-------------------|----------------------------------|
| 3-10V             | 3" cover for 12½' torch packages |
| 3-22V             | 3" cover for 25' torch packages  |
| 3-48V             | 3" cover for 50' torch packages  |



**ZIPPER**

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>               |
|-------------------|----------------------------------|
| 3-10              | 3" cover for 12½' torch packages |
| 3-22              | 3" cover for 25' torch packages  |
| 3-48              | 3" cover for 50' torch packages  |

### PROFAX NO. TORCH PACKAGES

|            |   |
|------------|---|
| 18-48      | Torch head - 48" O.A.L. w/handle                              |
| 18-48-12R  | Torch package - w/12½' rubber power cable, water and gas hose |
| 18-48-25R  | Torch package - w/25' rubber power cable, water and gas hose  |
| 20-48      | Torch head - 48" O.A.L. w/handle                              |
| 20-48-12R  | Torch package - w/12½' rubber power cable, water and gas hose |
| 20-48-25R  | Torch package - w/25' rubber power cable, water and gas hose  |
| 24W-48     | Torch head - 48" O.A.L. w/handle                              |
| 24W-48-12R | Torch package - w/12½' rubber power cable, water and gas hose |
| 24W-48-25R | Torch package - w/25' rubber power cable, water and gas hose  |

Torch packages include torch body, handle, cable assembly.

### PARTS/ACCESSORIES

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                      |
|-------------------|---|
| 45V11             | Power cable adapter for 18, 20, and 24W |
| 53N04             | Tie wire for 18, 20, and 24W            |
| 40V75R            | Braided gas hose 12½' for 18            |
| 41V30R            | Braided gas hose 25' for 18             |
| 40V74R            | Braided water hose 12½' for 18          |
| 41V32R            | Braided water hose 25' for 18           |
| 40V64R            | Rubber power cable 12½' for 18          |
| 41V29R            | Rubber power cable 25' for 18           |
| 45V09R            | Rubber gas hose 12½' for 20 and 24W     |
| 45V10R            | Rubber gas hose 25' for 20 and 24W      |
| 45V07R            | Rubber water hose 12½' for 20 and 24W   |
| 45V08R            | Rubber water hose 25' for 20 and 24W    |
| 45V03R            | Rubber power cable 12½' for 20 and 24W  |
| 45V04R            | Rubber power cable 25' for 20 and 24W   |

### Accessory Kits

(Pages 144-145)

- Alumina cups..... page 138
- Collets, collet bodies, and gas lenses..... page 139
- Power cable adapters, back caps, valve stems and handles..... page 140

**EK-1-25R EXTENSION KIT** for use on 18, 20, 24W, & 25 Series Torches see page 144

# PX20TIG



**Cold Wire Feed System for TIG**  
High Frequency Protected

A PRACTICAL, LOW COST, HIGH EFFICIENCY SYSTEM DESIGNED TO DELIVER SPOOLED WIRE FILLER METAL FOR TIG APPLICATIONS.

Insulated wire drive assembly isolates all electrical components from high frequency interference.

**3 YEAR WARRANTY**

| PROFAX NO.     | INPUT POWER       | WIRE DIAMETERS                | WIRE FEED SPEED                  | WEIGHT               | DIMENSIONS  |
|----------------|-------------------|-------------------------------|----------------------------------|----------------------|---|
| <b>PX20TIG</b> | 110VAC<br>50/60Hz | .023 - 5/64"<br>(0.6 - 2.0mm) | 75 - 900 IPM<br>(1.9 - 23 M/MIN) | 36 lb.<br>(16.5 Kg.) | H: 14" (356mm)<br>W: 11" (280mm)<br>D: 25½" (648mm) |

**FEATURES:**

- Improves productivity by eliminating stops caused by cut length wire.
- Eliminates end waste of cut length filler metal, an average savings of 10 to 20%.
- Reduces cost of filler metal by utilizing spooled wire instead of cut length.
- High frequency protection ensures reliability in all TIG applications.
- Low initial cost - The PX20TIG is less than half the cost of most TIG cold wire feed systems on the market today.
- Low operating cost - Utilizes standard feed tips, standard liners, and standard momentary switch on feed pen.
- The PX20TIG ships complete - Includes feed pen and 8' lead, drive rolls, power cord and plug for 110VAC input power.
- Two (2) gear driven rolls with Tool-Less roll change. (Uses Miller® style drive rolls).
- Spool capacity - Standard 12" spools.

**FEED PEN REPLACEMENT PARTS**

| PROFAX NO.  | DESCRIPTION                 |
|-------------|-----------------------------|
| PX407839-3  | Feed tip tapered, .030      |
| PX407839-6  | Feed tip tapered, .035      |
| PX407839-8  | Feed tip tapered, 3/64"     |
| PX407839-9  | Feed tip tapered, .045      |
| PX407839-12 | Feed tip tapered, 1/16"     |
| 9491        | Liner (for all wire sizes)  |
| SW-1        | Bulb switch                 |
| FP-8M       | Feed pen assembly (8' long) |

| <b>"V" GROOVE</b>  |            |
|--------------------|------------|
| WIRE SIZE          | DRIVE ROLL |
| .023 /.025 (0.6mm) | PX 087130  |
| .030 (0.8mm)       | PX 053695  |
| .035 (0.9mm)       | PX 053700  |
| .040 (1.0mm)       | PX 053696  |
| .045 (1.1/1.2mm)   | PX 053697  |
| .052 (1.3/1.4mm)   | PX 053698  |
| 1/16" (1.6mm)      | PX 053699  |

| <b>"U" GROOVE</b> |            |
|-------------------|------------|
| WIRE SIZE         | DRIVE ROLL |
| .035 (0.9mm)      | PX 072000  |
| .045 (1.1/1.2mm)  | PX 053701  |
| .052 (1.3/1.4mm)  | PX 053702  |
| 1/16" (1.6mm)     | PX 053706  |
| 5/64" (2.0mm)     | PX 053704  |

"V" Groove Used for hard wires.

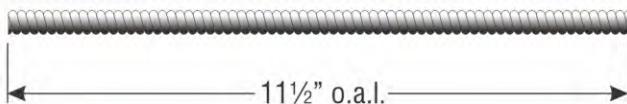
"U" Groove Used for soft-shelled cored wires and aluminum wires.

**Drive Rolls**

(2 Required)

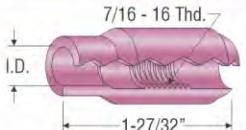
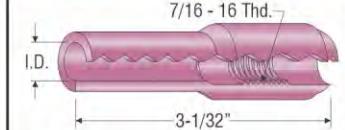
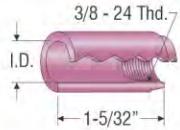
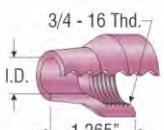
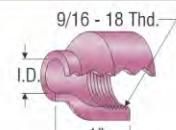
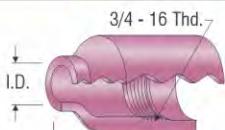
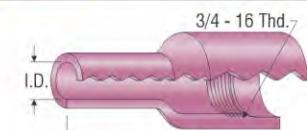
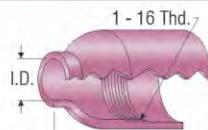
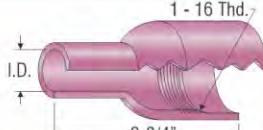
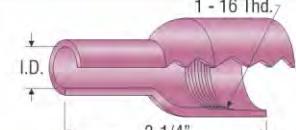
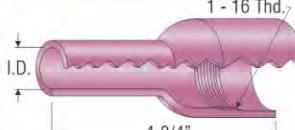
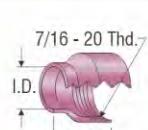
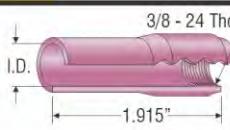
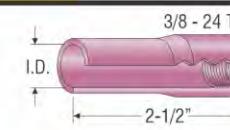


**INLET LINER**



| PROFAX NO. | DESCRIPTION                              |
|------------|--|
| 81003      | Inlet liner for up to 5/64" (2.0mm) wire |

**TIG MASTER****Alumina Cups****PROFAX**

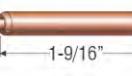
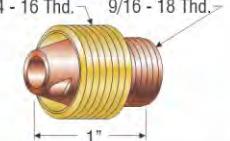
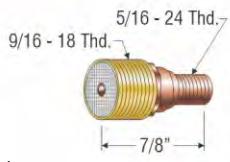
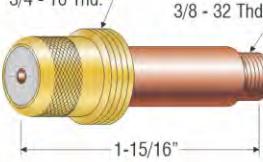
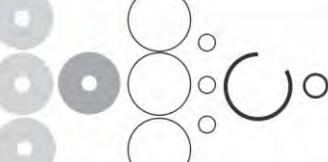
|   |   |  |  |
|---|---|--|--|
|    |    |    |   |
| Alumina   | Long Alumina  | Alumina  | Alumina  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 10N50   | 1/4"  | 4  |  |
| 10N49   | 5/16"   | 5  | <b>17</b>  |
| 10N48   | 3/8"  | 6  | <b>18</b>  |
| 10N47   | 7/16"   | 7  | <b>26</b>  |
| 10N46   | 1/2"  | 8  | <b>26</b>  |
| 10N45   | 5/8"  | 10   |  |
| 10N44   | 3/4"  | 12   |  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 10N49L  | 5/16"   | 5  |  |
| 10N48L  | 3/8"  | 6  | <b>17</b>  |
| 10N47L  | 7/16"   | 7  | <b>18</b>  |
|   |   |  | <b>26</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 13N08   | 1/4"  | 4  |  |
| 13N09   | 5/16"   | 5  | <b>9</b>   |
| 13N10   | 3/8"  | 6  |  |
| 13N11   | 7/16"   | 7  | <b>20</b>  |
| 13N12   | 1/2"  | 8  | <b>25</b>  |
| 13N13   | 5/8"  | 10   |  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 14N59   | 3/8"  | 6  |  |
| 14N60   | 7/16"   | 7  | <b>12</b>  |
| 14N61   | 1/2"  | 8  |  |
| 14N61-10  | 5/8"  | 10   |  |
| 14N61-12  | 3/4"  | 12   |  |
|    |    |    |   |
| Alumina for Gas Lens  | Alumina for Gas Lens  | Long Alumina for Gas Lens  | Alumina for X-LG. Gas Lens   |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 53N58   | 1/4"  | 4  |  |
| 53N59   | 5/16"   | 5  | <b>9</b>   |
| 53N60   | 3/8"  | 6  | <b>20</b>  |
| 53N61   | 7/16"   | 7  |  |
| 53N61S  | 1/2"  | 8  | <b>24</b>  |
| 53N100  | 1"  | 16   | <b>25</b>  |
| 53N150  | 1 1/2"  | 24   |  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 54N18   | 1/4"  | 4  |  |
| 54N17   | 5/16"   | 5  | <b>17</b>  |
| 54N16   | 3/8"  | 6  |  |
| 54N15   | 7/16"   | 7  | <b>18</b>  |
| 54N14   | 1/2"  | 8  | <b>26</b>  |
| 54N19   | 11/16"  | short  |  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 54N17L  | 5/16"   | 5  |  |
| 54N16L  | 3/8"  | 6  | <b>17</b>  |
| 54N15L  | 7/16"   | 7  | <b>18</b>  |
| 54N14L  | 1/2"  | 8  | <b>26</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 57N75   | 3/8"  | 6  | <b>9</b>   |
| 57N74   | 1/2"  | 8  |  |
| 53N88   | 5/8"  | 10   | <b>12</b>  |
| 53N87   | 3/4"  | 12   | <b>17</b>  |
| 53N89   | 15/16"  | 15   | <b>27</b>  |
|   |   |   |  |
| Long Alumina for X-LG. Gas Lens   | X-Long Alumina for X-LG. Gas Lens   | XX-Long Alumina for X-LG. Gas Lens   | Alumina  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 57N75L  | 3/8"  | 6  | <b>9</b>   |
| 57N74L  | 1/2"  | 8  | <b>25</b>  |
| 53N88L  | 5/8"  | 10   | <b>17</b>  |
| 53N87L  | 3/4"  | 12   | <b>27</b>  |
|   |   |  | <b>20</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 57N75XL   | 3/8"  | 6  | <b>9</b>   |
| 57N74XL   | 1/2"  | 8  | <b>25</b>  |
| 53N88XL   | 5/8"  | 10   | <b>17</b>  |
| 53N87XL   | 3/4"  | 12   | <b>27</b>  |
|   |   |  | <b>20</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| 57N74XXL  | 1/2"  | 8  | <b>9</b>   |
| 57N75XXL  | 3/8"  | 6  | <b>25</b>  |
| 53N88XXL  | 5/8"  | 10   | <b>17</b>  |
| 53N87XXL  | 3/4"  | 12   | <b>27</b>  |
|   |   |  | <b>20</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| A53N23  | .165"   | 3  |  |
| A53N24  | 1/4"  | 4  |  |
| A53N25  | 5/16"   | 5  |  |
| A53N27  | 3/8"  | 6  | <b>24</b>  |
|  |  |  |  |
| Long Alumina  | X-Long Alumina  | XX-Long Alumina  |  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| A796F70   | .165"   | 3  | <b>9</b>   |
| A796F71   | 1/4"  | 4  |  |
| A796F72   | 5/16"   | 5  | <b>20</b>  |
| A796F73   | 3/8"  | 6  | <b>25</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| A796F74   | .165"   | 3  |  |
| A796F75   | 1/4"  | 4  | <b>9</b>   |
| A796F76   | 5/16"   | 5  | <b>20</b>  |
| A796F77   | 3/8"  | 6  | <b>25</b>  |
| <b>PROFAX NO.</b>   | <b>I.D.</b>   | <b>SIZE</b>  | <b>TORCHES</b>   |
| A796F79   | 5/16"   | 5  | <b>9</b>   |
|   |   |  | <b>20</b>  |
|   |   |  | <b>25</b>  |



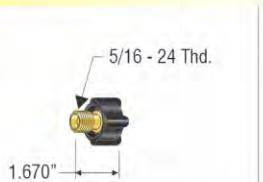
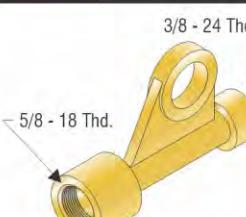
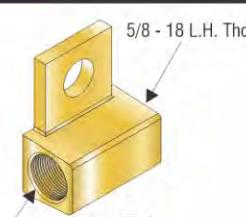
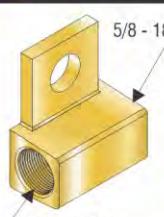
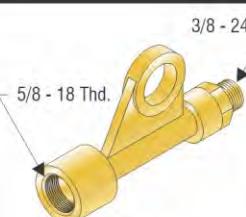
TIG MASTER®

Collets, Collet Bodies,  
& Gas Lenses

PROFAX

|   |   |  |   |
|---|---|--|---|
| <br>Collet<br>PROFAX NO. TUNGSTEN TORCHES  | <br>Collet - Stubby<br>PROFAX NO. TUNGSTEN TORCHES               | <br>Special Collet<br>PROFAX NO. TUNGSTEN TORCHES                        | <br>Collet for extra large gas lens<br>PROFAX NO. TUNGSTEN TORCHES             |
| 10N21 .020<br>10N22 .040 17<br>10N23 1/16" 18<br>10N24 3/32" 26<br>10N25 1/8" Used with 17CB20 collet body,<br>54N20 5/32" 18CG-20 cup gasket, and 13N series cup | 10N23S 1/16"<br>10N24S 3/32"<br>10N25S 1/8"<br>17<br>18<br>26   | 13N20 .020<br>13N21 .040 9<br>13N22 1/16" 20<br>13N23 3/32" 25<br>13N24 1/8"   | 13N20L .020<br>13N21L .040 9<br>13N22L 1/16" 20<br>13N23L 3/32" 25<br>13N24L 1/8"   |
| <br>Collet<br>PROFAX NO. TUNGSTEN TORCHES  | <br>Collet for gas lens<br>PROFAX NO. TUNGSTEN TORCHES           | <br>Collet for 27 torches<br>PROFAX NO. TUNGSTEN TORCHES                 | <br>Collet<br>PROFAX NO. TUNGSTEN TORCHES                                      |
| 53N15 .020<br>53N16 .040 24<br>53N14 1/16" 24W<br>24C332 3/32"  | 53N62 .020<br>53N63 .040 24<br>53N64 1/16" 24W<br>24GLC332 3/32"  | 57N45 .040<br>57N46 1/16"<br>57N47 3/32"<br>57N48 1/8"<br>57N49 5/32"<br>57N50 3/16"<br>57N51 1/4"   | 85Z14 1/16"<br>85Z15 3/32"<br>85Z16 1/8"<br>85Z17 5/32"<br>85Z18 3/16"<br>85Z19 1/4" 12   |
| <br>Collet body<br>PROFAX NO. TUNGSTEN TORCHES                                  | <br>Collet body<br>PROFAX NO. TUNGSTEN TORCHES                  | <br>Collet body<br>PROFAX NO. TUNGSTEN TORCHES                          | <br>Collet body - Stubby<br>PROFAX NO. TUNGSTEN TORCHES                       |
| 10N29 .020<br>10N30 .040 17<br>10N31 1/16" 18<br>10N32 3/32" 26<br>10N28 1/8"<br>406488 5/32"   | 11WP65 ALL SIZES 12   | 13N25 .020<br>13N26 .040 9<br>13N27 1/16" 20<br>13N28 3/32" 25<br>13N29 1/8"   | 17CB20 1/16" - 1/8" 17<br>18<br>26  |
| Used with 10N Stubby collets,<br>18CG-20 cup gasket, and 13N series cup   |   |  |   |
| <br>Collet body<br>PROFAX NO. TUNGSTEN TORCHES                                 | <br>Gas Lens<br>PROFAX NO. TUNGSTEN TORCHES                    | <br>Gas lens<br>PROFAX NO. TUNGSTEN TORCHES                            | <br>Gas lens<br>PROFAX NO. TUNGSTEN TORCHES                                  |
| 53N17 .020<br>53N18 .040 24<br>53N19 1/16" 24W<br>24CB3/32 3/32"  | 11GL16 1/16"<br>11GL32 3/32"<br>11GL18 1/8"<br>11GL53 5/32"<br>11GL36 3/16"<br>12   | 45V41 .020<br>45V42 .040 9<br>45V43 1/16" 20<br>45V44 3/32" 24<br>45V45 1/8" 25  | 45V29 .020<br>45V24 .040 17<br>45V25 1/16" 18<br>45V26 3/32" 26<br>45V27 1/8" 25<br>45V28 5/32"   |
| Extra large gas lens<br>PROFAX NO. TUNGSTEN TORCHES   | <br>Extra large stubby gas lens<br>PROFAX NO. TUNGSTEN TORCHES | <br>Extra large gas lens for 27 torches<br>PROFAX NO. TUNGSTEN TORCHES | <br>X-LG Gas Lens Repair Kit<br>PROFAX NO.                                   |
| 45V116 1/16", .040, .020 17<br>45V64 3/32" 18<br>995795 1/8" 20<br>45V63 5/32" 26   | 45V116S 1/16", .040, .020 9<br>45V64S 3/32" 20<br>995795S 1/8" 25   | 49V22 .040<br>49V23 1/16"<br>49V24 3/32"<br>49V25 1/8"<br>49V26 5/32"<br>49V27 3/16"<br>49V28 1/4" 27  | 45V63R - Kit consists of<br>3 ea. 54V66<br>1 ea. 54V67<br>3 ea. large spacer rings<br>3 ea. small spacer rings<br>1 ea. large snap ring<br>1 ea. small lock rings |

Collets, Collet Bodies,  
& Gas Lenses

|   |   |   |   |
|---|---|---|---|
|    |    |     |    |
| Back Cap<br><b>PROFAX NO.</b> 41V24<br>98W77<br>comes with o-ring                   | Back Cap<br><b>PROFAX NO.</b> 41V33<br>98W77<br>comes with o-ring                   | Back Cap<br><b>PROFAX NO.</b> 41V35<br>98W77<br>comes with o-ring                     | Back Cap<br><b>PROFAX NO.</b> 57Y02<br>98W18<br>comes with o-ring                     |
| <b>DESCRIPTION</b> Long O-ring  | <b>DESCRIPTION</b> Short O-ring   | <b>DESCRIPTION</b> Medium O-ring  | <b>DESCRIPTION</b> Long O-ring  |
| <b>TORCHES</b> 9<br>20  | <b>TORCHES</b> 9<br>20  | <b>TORCHES</b> 9<br>20  | <b>TORCHES</b> 17<br>18<br>26   |
|    |    |     |    |
| Back Cap<br><b>PROFAX NO.</b> 57Y04<br>98W18<br>comes with o-ring                   | Back Cap<br><b>PROFAX NO.</b> 300M<br>98W18<br>comes with o-ring                    | Valve Stem<br><b>PROFAX NO.</b> VS-1<br>S-008<br>comes with o-ring                    | Valve Stem<br><b>PROFAX NO.</b> VS-2<br>S-008<br>comes with o-ring                    |
| <b>DESCRIPTION</b> Short O-ring   | <b>DESCRIPTION</b> Medium O-ring  | <b>DESCRIPTION</b> Valve Stem O-ring  | <b>DESCRIPTION</b> Valve Stem O-ring  |
| <b>TORCHES</b> 17<br>18<br>26   | <b>TORCHES</b> 17<br>18<br>26   | <b>TORCHES</b> 26   | <b>TORCHES</b> 9<br>20<br>17<br>24<br>18  |
|   |   |    |   |
| Back Cap<br><b>PROFAX NO.</b> 56Y44<br>85W50<br>comes with o-ring                   | Back Cap<br><b>PROFAX NO.</b> 56Y45<br>85W50<br>comes with o-ring                   | Handle<br><b>PROFAX NO.</b> H-100<br>Smooth<br>17 24W<br>20 25                        | Handle<br><b>PROFAX NO.</b> H-100R<br>Ribbed<br>9<br>17<br>24                         |
| <b>DESCRIPTION</b> Long O-ring  | <b>DESCRIPTION</b> Short O-ring   | <b>DESCRIPTION</b> Handle   | <b>DESCRIPTION</b> Handle   |
| <b>TORCHES</b> 12   | <b>TORCHES</b> 12   | <b>TORCHES</b> 9 24<br>17 24W<br>20 25  | <b>TORCHES</b> 9<br>17<br>24  |
|  |  |  |   |
| Handle<br><b>PROFAX NO.</b> H-200<br>Smooth<br>18<br>26                             | Handle<br><b>PROFAX NO.</b> H-200R<br>Ribbed<br>26                                  | Handle<br><b>PROFAX NO.</b> 85WP13<br>Smooth<br>12                                    |   |
| <b>DESCRIPTION</b> Smooth   | <b>DESCRIPTION</b> Ribbed   | <b>DESCRIPTION</b> Handle   |   |
| <b>TORCHES</b>  | <b>TORCHES</b>  | <b>TORCH</b>  |   |
|  |  |   |  |
| Adapter<br><b>PROFAX NO.</b> 105Z57<br>9<br>17                                      | Adapter<br><b>PROFAX NO.</b> 45V11<br>12 24W<br>18 25<br>20 27A                     | Adapter<br><b>PROFAX NO.</b> 45V62<br>26  | Adapter<br><b>PROFAX NO.</b> 53N43<br>24  |
| <b>DESCRIPTION</b>  | <b>DESCRIPTION</b>  | <b>TORCH</b>  | <b>TORCH</b>  |
| <b>TORCHES</b>  | <b>TORCHES</b>  |   |   |

**TIG MASTER®****TIG Torch Connectors****PROFAX**

AN EFFICIENT METHOD OF CONNECTING TIG TORCHES TO POWER SUPPLIES!

**FEATURES**

- IMPROVED SAFETY
- LOW PROFILE CONNECTION
- SIMPLE, CONVENIENT ORDERING

- EFFICIENT CONVERSION BETWEEN TIG AND STICK FOR DUAL PROCESS APPLICATIONS
- LOW COST

**TTC-150 -**

Basic connector unit is compatible with any 9 series or 17 series air cooled TIG torch that utilizes a 57Y01R or 57Y03R type power cable, and standard cable connector from the power supply.

**NOTE:**

Also available with  
Dinse LDP-50 plug  
order# **TTC-150D**

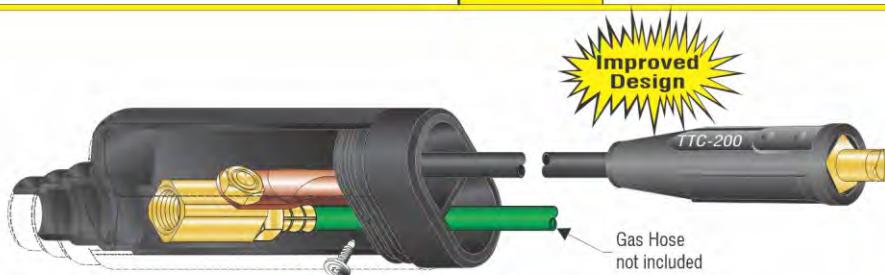


## TTC-150 Torch packages

for more packages see pages 118 and 122

| PROFAX NO.  | DESCRIPTION   |
|-------------|---|
| 9V-12R-TTC  | Our std. 9V-12R torch pkg. w/the TTC-150 installed  |
| 9V-25R-TTC  | Our std. 9V-25R torch pkg. w/the TTC-150 installed  |
| 9FV-12R-TTC | Our std. 9FV-12R torch pkg. w/the TTC-150 installed |
| 9FV-25R-TTC | Our std. 9FV-25R torch pkg. w/the TTC-150 installed |

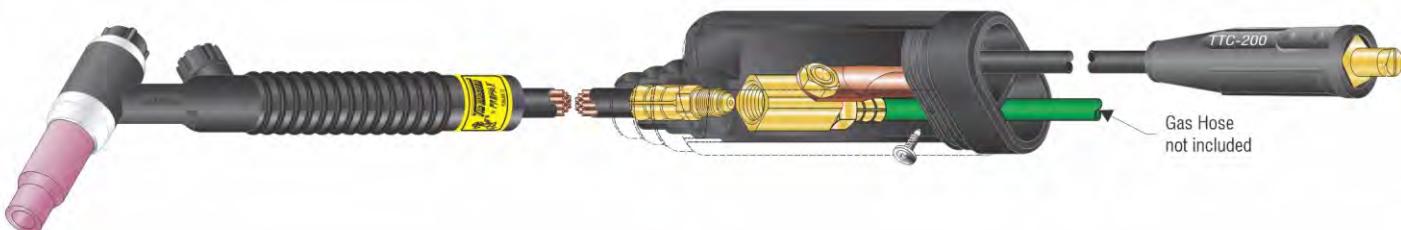
| PROFAX NO.   | DESCRIPTION  |
|--------------|--|
| 17V-12R-TTC  | Our std. 17V-12R torch pkg. w/the TTC-150 installed  |
| 17V-25R-TTC  | Our std. 17V-25R torch pkg. w/the TTC-150 installed  |
| 17FV-12R-TTC | Our std. 17FV-12R torch pkg. w/the TTC-150 installed |
| 17FV-25R-TTC | Our std. 17FV-25R torch pkg. w/the TTC-150 installed |

TIG Products  
and Accessories**TTC-200 -**

Basic connector unit is designed for use with the 26 series TIG torches that utilize the one piece cable assemblies 46V28R, 46V30R and standard cable connector from the power supply.

**NOTE:**

Also available with  
Dinse LDP-50 plug  
order# **TTC-200D**



## TTC-200 Torch packages

for more packages see page 132

| PROFAX NO.  | DESCRIPTION   |
|-------------|---|
| 26V-12R-TTC | Our std. 26V-12R torch pkg. w/the TTC-200 installed |
| 26V-25R-TTC | Our std. 26V-25R torch pkg. w/the TTC-200 installed |

| PROFAX NO.   | DESCRIPTION  |
|--------------|--|
| 26FV-12R-TTC | Our std. 26FV-12R torch pkg. w/the TTC-200 installed |
| 26FV-25R-TTC | Our std. 26FV-25R torch pkg. w/the TTC-200 installed |

### *Lenco Dinse Type Machine Plugs*



| PROFAK NO. | MALE PLUG     | CABLE CAPACITY                             | TYPE OF CABLE CONNECTION | AMP CAPACITY |
|------------|---------------|--|--------------------------|--------------|
| LDP-25M    | .355 (9.0mm)  | No. 8 thru No. 4 (10-25mm <sup>2</sup> )   | Single oval-point screw  | 150          |
| LDP-50M    | .508 (12.9mm) | No. 4 thru No. 1/0 (25-50mm <sup>2</sup> ) | Single oval-point screw  | 250          |
| LDP-70M    | .508 (12.9mm) | 1/0 thru 2/0 (50-70mm <sup>2</sup> )       | Single oval-point screw  | 350          |
| LDP-95M    | .508 (12.9mm) | 2/0 thru 4/0 (70-95mm <sup>2</sup> )       | Double oval-point screw  | 500          |



### **DINSE TYPE TIG ADAPTERS**

12 International *Dinse* Type TIG machine plugs for both air and water cooled TIG torches. This allows direct connection of the TIG torch to power supplies equipped with *Dinse* type secondary connections.

Dinse Connectors

| NO. | PROFAK NO.   | TIG TORCH MODEL | MALE END DIA. | POWER CABLE CONNECTION               | BARB O.D.                  |
|-----|--------------|-----------------|---------------|--------------------------------------|----------------------------|
| 1   | LDT-917-F    | 9, 17           | .508 (12.9mm) | 3/8-24 (M) Air Cooled                | 1/4-90° w/Boot             |
| 2   | LDTI-917-F   | 9, 17           | .508 (12.9mm) | 3/8-24 (M) Air Cooled (in line)      | N/A                        |
| 3   | LDTS-917-F   | 9, 17           | .355 (9.0mm)  | 3/8-24 (M) Air Cooled                | 1/4-90° w/Boot             |
| 4   | LDTSI-917-F  | 9, 17           | .355 (9.0mm)  | 3/8-24 (M) Air Cooled (in line)      | N/A                        |
| 5   | LDT-24-M     | 24              | .508 (12.9mm) | 3/8-24 (F) Air Cooled                | 1/4-90° w/Boot             |
| 6   | LDTI-24M     | 24              | .508 (12.9mm) | 3/8-24 (F) Air Cooled                | N/A                        |
| 7   | LDTS-24-M    | 24              | .355 (9.0mm)  | 3/8-24 (F) Air Cooled                | 1/4-90° w/Boot             |
| 8   | LDTSI-24-M   | 24              | .355 (9.0mm)  | 3/8-24 (F) Air Cooled                | N/A                        |
| 9   | LDT-26-R     | 26              | .508 (12.9mm) | 7/8-14 (R.H.) Air Cooled             | 1/4-90° w/Boot             |
| 10  | LDTI-26-R    | 26              | .508 (12.9mm) | 7/8-14 (R.H.) Air Cooled (in line)   | N/A                        |
| 11  | LDT-1820-L   | 18, 20          | .508 (12.9mm) | 7/8-14 (L.H.) Water Cooled           | 1/4-90° w/Boot             |
| 12  | LDTI-1820-WC | 18, 20, 24W     | .508 (12.9mm) | 7/8-14 (L.H.) Water Cooled (in line) | 1/8, 3/16, 1/4-90° w/Boots |

### **Gas & Water Hose Connectors**



LGH-Series used on the following:

LDT-917-F

LDT-24-M

LDT-26-R

LDTS-24-M

LDTS-917-F

LWH-Series used on the following:

LDT-1820-L

LGH-Series & LWH-Series

Used on the following:

LDTI-1820-WC

| PROFAK NO. | DESCRIPTION                                   |
|------------|---|
| LGH-18RH   | Black gas hose - 18" length - 5/8-18 R.H. nut |
| LGH-96RH   | Black gas hose - 96" length - 5/8-18 R.H. nut |
| LWH-18LH   | Red water hose - 18" length - 5/8-18 L.H. nut |
| LWH-96LH   | Red water hose - 96" length - 5/8-18 L.H. nut |

Both hoses are nylon braided



TIG MASTER®

Dinse Type Machine Plugs

PROFAK

## Dinse Cable &amp; TIG Machine Plug Application

## Dinse TIG Connector Series

## TIG Torch Models

| Power Supply<br>Make & Model  | Type of<br>Process | Dinse Cable<br>Connector<br>Male | Air Cooled |             |             |            | Water Cooled |               |              |
|---|--------------------|----------------------------------|------------|-------------|-------------|------------|--------------|---------------|--------------|
|   |                    |                                  | 24<br>80A  | 9<br>125A   | 17<br>150A  | 26<br>200A | 24W<br>180A  | 20/25<br>250A | 18<br>350A   |
| <b>Miller®</b>  |                    |                                  |            |             |             |            |              |               |              |
| CST 250, CST 280  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| CST 300, CST 400  | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Dynasty 200SD, 200DX, 210, 210DX, 280, 280DX                        | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Dynasty DX, 300, 300SD, 300DX, 300LX, 350, 400                      | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Econotig  | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invision 350MPa, 352MPa, 354MP                                      | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 150STL, 150STH, 161STL, 160TT                               | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTSI-917-F | LDTSI-917-F | n/a        | n/a          | n/a           | n/a          |
| Maxstar 200DX, 200LX, 200SD, 200ST, 200STR, 210, 210DX, 210STR, 280 | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 300, 300SD, 300DX, 300LX, 350, 400                          | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Maxstar 85S, 140, 140STR, 150S, 161S                                | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTSI-917-F | LDTSI-917-F | n/a        | n/a          | n/a           | n/a          |
| Multimatic 200, 215   | MIG/TIG/Stick      | LDP-25M                          | LDTSI-24M  | LDTSI-917-F | LDTSI-917-F | n/a        | n/a          | n/a           | n/a          |
| Pipeworx 350 Fieldpro (w/Dinse)                                     | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Syncrowave 180SD, 200, 210  | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Syncrowave 200, 300, 350, 351, 500                                  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| Syncrowave 250DX, 350LX   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| XMT304 (w/Dinse), 350 (w/Dinse), 350 OS (w/Dinse), 350MPa (w/Dinse) | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| <b>Lincoln®</b>   |                    |                                  |            |             |             |            |              |               |              |
| Aspect 375  | TIG/Stick          | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec 100-S, V100-S, V130-S, V155-S                              | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTIS-917-F | LDTIS-917-F | n/a        | n/a          | n/a           | n/a          |
| Invertec V160-S, V200-I, V250-S                                     | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V160-T, V200-T, V205-T                                     | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec V200-PRO   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V275-S, V300-I   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Invertec V300-PRO**, V350-PRO**                                     | MIG/TIG/Stick      | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Invertec V310-T, V311-T   | TIG/Stick          | LDP-70M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Power MIG 210MP   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Power Wave 355 & 355M   | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Precision TIG 185, 225  | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Precision TIG 275, 375  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| Square Wave TIG 175, 175-PRO, 200, 225, 275                         | TIG/Stick          | LDP-50M                          | LDTI-24M   | LDTI-917-F  | LDTI-917-F  | LDTI-26-R  | LDTI-1820-WC | LDTI-1820-WC  | LDTI-1820-WC |
| Square Wave TIG 255, 355  | TIG/Stick          | n/a                              | n/a        | n/a         | n/a         | n/a        | n/a          | n/a           | n/a          |
| <b>Esab®</b>  |                    |                                  |            |             |             |            |              |               |              |
| Aristo MIG 4004i Pulse  | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Aristo MIG 5000i, U5000i  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Caddy Arc 151i, 152i, 201i  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Caddy TIG 1500i, 2200i, 2200i AC/DC                                 | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| ES 95i  | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTIS-917-F | LDTIS-917-F | n/a        | n/a          | n/a           | n/a          |
| ET 141i AC/DC, ET 186i AC/DC, ET 201i DC, ET 220i AC/DC             | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| ET 301i AC/DC   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Fabricator 141i   | MIG/TIG/Stick      | LDP-25M                          | LDTSI-24M  | LDTIS-917-F | LDTIS-917-F | n/a        | n/a          | n/a           | n/a          |
| Fabricator 211i, 252i   | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Heliarc 161 AC/DC   | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Heliarc 281i AC/DC, 353i AC/DC                                      | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Miniac 161LTS   | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTIS-917-F | LDTIS-917-F | n/a        | n/a          | n/a           | n/a          |
| MTS-3500i   | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Origo Arc 410c, 650c  | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Origo MIG 4000c/cw, 6502c/cw, 652c                                  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Rebel EMP/EMS 215ic, EMP/EMS 235ic                                  | MIG/TIG/Stick      | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Renegade ES 300i  | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Warrior 400i MV CC/CV   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| <b>Thermal Arc®</b>   |                    |                                  |            |             |             |            |              |               |              |
| 161S  | TIG/Stick          | LDP-25M                          | LDTSI-24M  | LDTIS-917-F | LDTIS-917-F | n/a        | n/a          | n/a           | n/a          |
| <b>Tweco®</b>   |                    |                                  |            |             |             |            |              |               |              |
| Arcmaster 220 AC/DC   | TIG/Stick          | LDP-50M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Arcmaster 301 AC/DC, 401S   | TIG/Stick          | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |
| Arcmaster 401MST  | MIG/TIG/Stick      | LDP-70M                          | LDT-24-M   | LDT-917-F   | LDT-917-F   | LDT-26-R   | LDT-1820-L   | LDT-1820-L    | LDT-1820-L   |

n/a = not applicable

\*\* Note Invertec V350-PRO standard LDT series adapters. With optional solenoid valve uses LDTI series adapters.

# EWG TUNGSTEN ELECTRODES

**FEATURES:**

- Longer life
- Non-radioactive additives
- Stable tip and arc geometry
- Proven to outperform other electrodes
- Can be used in both DC & AC processes
- Best choice to replace thoriated electrodes

Premium tungsten delivering results for serious TIG applications. A blend of oxides ensuring cooler runs for longer tip life than other electrodes.

EWG tungsten electrodes have undergone rigorous testing to ensure the highest quality and durability.

**SPECIFICATIONS:**

- AWS Class: EWG
- AWS Spec: A5.12M/A5.12:2009
- Seven inch lengths in four industry-standard diameters:  
1/16", 3/32", 1/8" and 5/32"
- Color Code: Purple

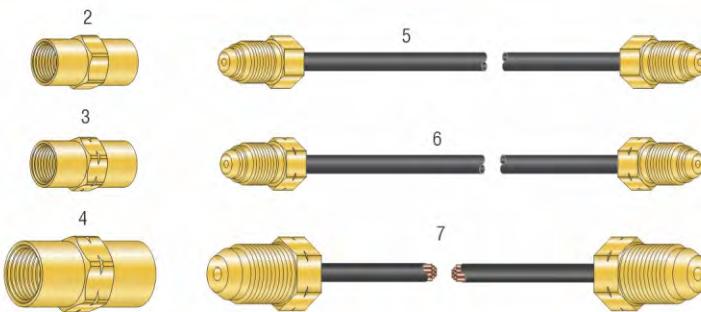
| PART NO.   | DESCRIPTION             |
|------------|-------------------------|
| EWG-1/16-7 | Tungsten 1/16 x 7", EWG |
| EWG-3/32-7 | Tungsten 3/32 x 7", EWG |
| EWG-1/8-7  | Tungsten 1/8 x 7", EWG  |
| EWG-5/32-7 | Tungsten 5/32 x 7", EWG |



Note: Refer to manufacturer MSDS sheets for proper preparation and safety. Use proper ventilation/capture during preparation. Refer to manufacturer warning regarding ventilation.

## EK-1-25R EXTENSION KIT

(Kit consists of the following)



| NO. | PROFAX NO. | DESCRIPTION                          | NO. | PROFAX NO. | DESCRIPTION                      |
|-----|------------|--------------------------------------|-----|------------|----------------------------------|
| 1.  | EKHS       | Heat shrink 6" L x 2 1/2" I.D. black | 5.  | 40V77LR    | 25' gas hose extension rubber    |
| 2.  | 11N17      | Gas hose coupler                     | 6.  | 40V76LR    | 25' water hose extension rubber  |
| 3.  | 11N18      | Water hose coupler                   | 7.  | 40V78LR    | 25' power cable extension rubber |
| 4.  | 11N19      | Power cable coupler                  |     |            |                                  |

## OPTIONAL 12 1/2' EXTENSION HOSE & POWER CABLE

| NO. | PROFAX NO. | DESCRIPTION                          |
|-----|------------|--------------------------------------|
| 5.  | 40V77R     | 12 1/2' gas hose extension rubber    |
| 6.  | 40V76R     | 12 1/2' water hose extension rubber  |
| 7.  | 40V78R     | 12 1/2' power cable extension rubber |

### TRK-1 Head Repair Kit

Repairs threads on 9, 17, 18, 20, 24, and 26 torch heads



### TRK-2

#### Collet Body, Gas Lens, and Back Cap Repair Kit

Repairs threads on 9, 17, 18, 20, 24, 26 collet bodies, gas lenses, and back caps





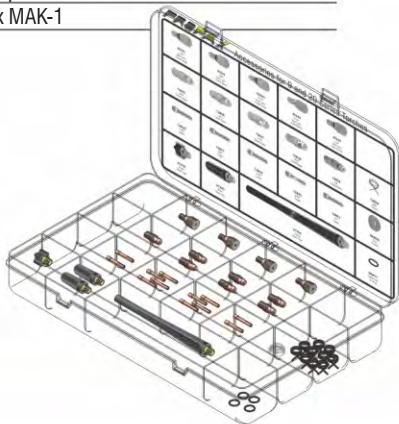
**TIG MASTER®**

## Accessory Kits

**PROFAX**

### MAK-1S For 9, 20, & 25 series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 12  | Collets (.040, .063, .080, .100)       |
| 7   | Collet bodies (.040, .063, .080, .100) |
| 4   | Gas lenses (.040, .063, .080, .100)    |
| 4   | Back caps (1)Short, (2)Medium, (1)Long |
| 1   | Cup gasket                             |
| 4   | Back cap O-rings                       |
| 10  | Wire clamps                            |
| 1   | Parts box MAK-1                        |



### AK-1 For 9 series torches

| QTY | DESCRIPTION                     |
|-----|---------------------------------|
| 1   | Long back cap                   |
| 2   | Collets .040, 1/16"             |
| 2   | Collet bodies .040, 1/16"       |
| 3   | Alumina cups #4, 5, 6           |
| 2   | Tungsten electrodes .040, 1/16" |

### AK-2 For 17 series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 1   | Short back cap                         |
| 3   | Collets .040, 1/16", 3/32"             |
| 3   | Collet bodies .040, 1/16", 3/32"       |
| 3   | Alumina cups #5, 6, 7                  |
| 3   | Tungsten electrodes .040, 1/16", 3/32" |

### AK-3 For 18 & 26 series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 1   | Short back cap                         |
| 3   | Collets 1/16", 3/32", 1/8"             |
| 3   | Collet bodies 1/16", 3/32", 1/8"       |
| 3   | Alumina cups #5, 6, 8                  |
| 3   | Tungsten electrodes 1/16", 3/32", 1/8" |

### AK-4 For 20 & 25 series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 1   | Long back cap                          |
| 3   | Collets 1/16", 3/32", 1/8"             |
| 3   | Collet bodies 1/16", 3/32", 1/8"       |
| 3   | Alumina cups #5, 6, 7                  |
| 3   | Tungsten electrodes 1/16", 3/32", 1/8" |

### AK-5 For 24 series torches

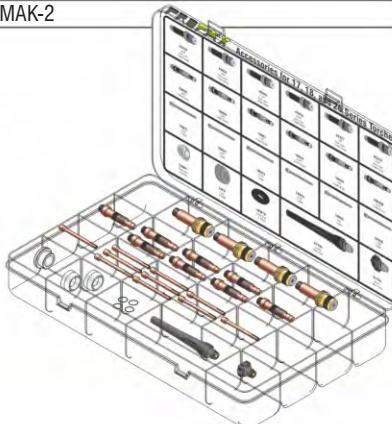
| QTY | DESCRIPTION                     |
|-----|---------------------------------|
| 2   | Collets .040, 1/16"             |
| 2   | Collet bodies .040, 1/16"       |
| 3   | Lava cups #4, 5, 6              |
| 2   | Tungsten electrodes .040, 1/16" |

### AK-5W For 24W series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 3   | Collets .040, 1/16", 3/32"             |
| 3   | Collet bodies .040, 1/16", 3/32"       |
| 3   | Lava cups #4, 5, 6                     |
| 3   | Tungsten electrodes .040, 1/16", 3/32" |

### MAK-2S For 17, 18 & 26 series torches

| QTY | DESCRIPTION                            |
|-----|--|
| 10  | Collets (.040, .063, .080, .100)       |
| 8   | Collet bodies (.040, .063, .080, .100) |
| 4   | Gas lenses (.040, .063, .080, .100)    |
| 2   | Back caps (1)Short, (1)Long            |
| 2   | Cup gasket                             |
| 4   | Back cap O-rings                       |
| 1   | Gas lens insulator                     |
| 1   | Parts box MAK-2                        |



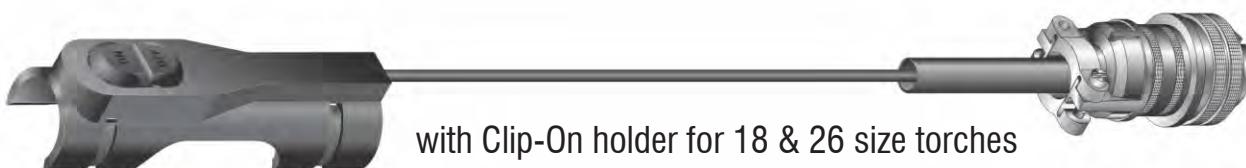
**PROFAX** now offers a full range of TIG accessory kits. These include standard accessory kits and master accessory kits.



## TIG Off/On Switch Assemblies for Lincoln®



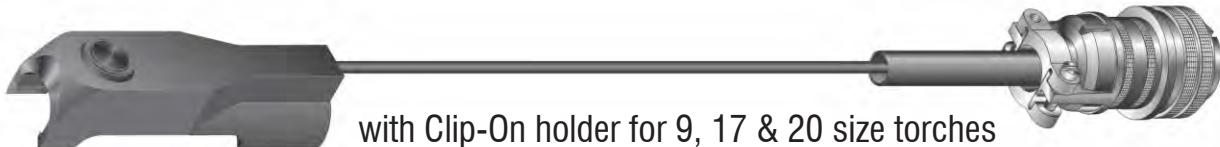
with Clip-On holder for 9, 17 & 20 size torches



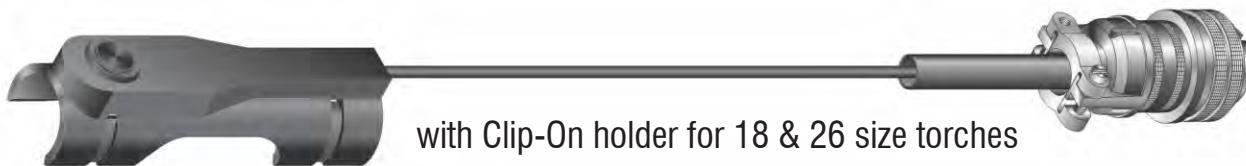
with Clip-On holder for 18 & 26 size torches

| PROFAX NO. | LENGTH | DESCRIPTION   | TORCHES     |
|------------|--------|---|-------------|
| 9703       | 27'    | 6 pin plug to off/on switch with small Clip-On holder | 9, 17, & 20 |
| 9704       | 52'    | 6 pin plug to off/on switch with small Clip-On holder | 9, 17, & 20 |
| 9705       | 27'    | 6 pin plug to off/on switch with large Clip-On holder | 18 & 26     |
| 9706       | 52'    | 6 pin plug to off/on switch with large Clip-On holder | 18 & 26     |

## TIG Arc Start Switch Assemblies for Lincoln®

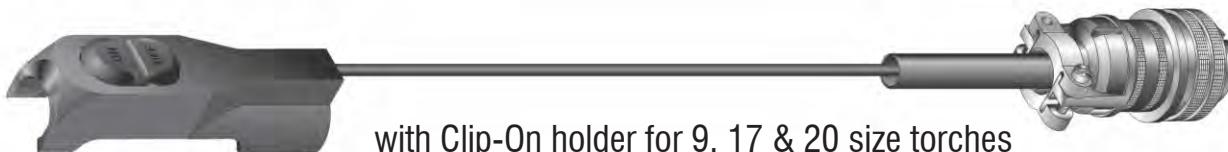


with Clip-On holder for 9, 17 & 20 size torches

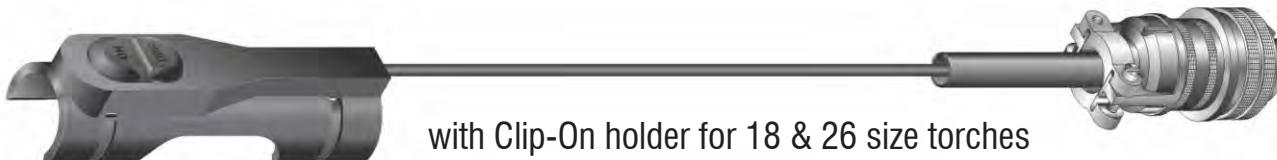


with Clip-On holder for 18 & 26 size torches

| PROFAX NO. | LENGTH | DESCRIPTION  | TORCHES     |
|------------|--------|--|-------------|
| 9666       | 27'    | 6 pin plug to momentary switch with small Clip-On holder | 9, 17, & 20 |
| 9667       | 52'    | 6 pin plug to momentary switch with small Clip-On holder | 9, 17, & 20 |
| 9676       | 27'    | 6 pin plug to momentary switch with large Clip-On holder | 18 & 26     |
| 9677       | 52'    | 6 pin plug to momentary switch with large Clip-On holder | 18 & 26     |

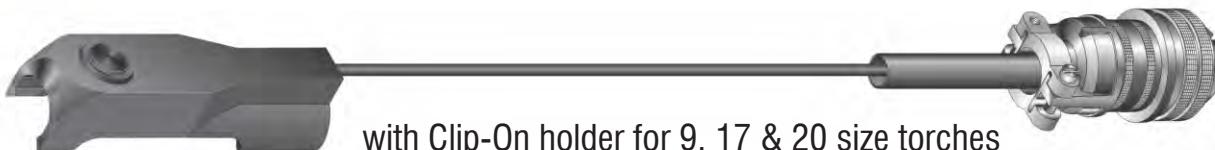
**TIG Off/On Switch Assemblies for Miller<sup>®</sup>**


with Clip-On holder for 9, 17 &amp; 20 size torches

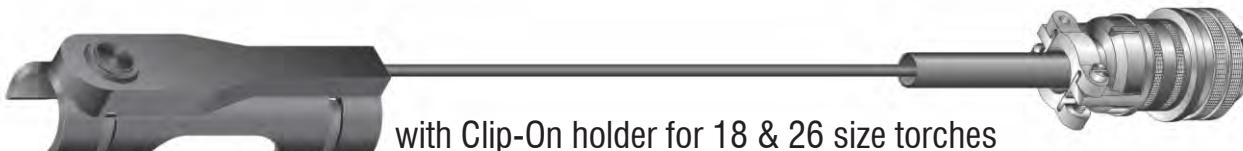


with Clip-On holder for 18 &amp; 26 size torches

| PROFAX NO. | LENGTH | DESCRIPTION   | TORCHES     |
|------------|--------|---|-------------|
| 9707       | 27'    | 14 pin plug to off/on switch with large Clip-On holder                        | 18 & 26     |
| 9708       | 52'    | 14 pin plug to off/on switch with large Clip-On holder                        | 18 & 26     |
| 9709       | 27'    | 14 pin plug to off/on switch with small Clip-On holder                        | 9, 17, & 20 |
| 9710       | 52'    | 14 pin plug to off/on switch with small Clip-On holder                        | 9, 17, & 20 |
| 9711       | 27'    | 5 pin plug to off/on switch with large Clip-On holder                         | 18 & 26     |
| 9713       | 27'    | 5 pin plug to off/on switch with small Clip-On holder                         | 9, 17, & 20 |
| 9715       | 27'    | 2 prong twistlock plug to off/on switch with large Clip-On holder (not shown) | 18 & 26     |
| 9806       | 27'    | 2 prong twistlock plug to off/on switch with small Clip-On holder (not shown) | 9, 17, & 20 |

**TIG Arc Start Switch Assemblies for Miller<sup>®</sup>**


with Clip-On holder for 9, 17 &amp; 20 size torches



with Clip-On holder for 18 &amp; 26 size torches

| PROFAX NO. | LENGTH | DESCRIPTION  | TORCHES     |
|------------|--------|--|-------------|
| 9293       | 27'    | 14 pin plug to momentary switch with large Clip-On holder                        | 18 & 26     |
| 9294       | 52'    | 14 pin plug to momentary switch with large Clip-On holder                        | 18 & 26     |
| 9375       | 27'    | 14 pin plug to momentary switch with small Clip-On holder                        | 9, 17, & 20 |
| 9376       | 52'    | 14 pin plug to momentary switch with small Clip-On holder                        | 9, 17, & 20 |
| 9696       | 27'    | 5 pin plug to momentary switch with large Clip-On holder                         | 18 & 26     |
| 9699       | 27'    | 5 pin plug to momentary switch with small Clip-On holder                         | 9, 17, & 20 |
| 9698       | 27'    | 2 prong twistlock plug to momentary switch with large Clip-On holder (not shown) | 18 & 26     |
| 9694       | 27'    | 2 prong twistlock plug to momentary switch with small Clip-On holder (not shown) | 9, 17, & 20 |



## Remote Finger Tip & Foot Controls for Lincoln® & Miller®



### Lincoln®



Operates contactor and controls output.

| PROFAX NO. | LINCOLN® | DESCRIPTION   |
|------------|----------|---|
| LFTC-6     |          | Fingertip control with 27' cord and 6 pin plug compatible with Squarewave TIG, Invertec™, & Precision TIG only  |
| LFTC-6-52  |          | Fingertip control with 52' cord and 6 pin plug compatible with Squarewave TIG, Invertec™, & Precision TIG only<br>(special cord lengths available up to 100') |

#### EXTENSION CORDS FOR LFTC-6

| PROFAX NO. | DESCRIPTION         |
|------------|---------------------|
| 9680       | 25' extension cord  |
| 9681       | 50' extension cord  |
| 9682       | 75' extension cord  |
| 9683       | 100' extension cord |

### REMOTE FOOT CONTROL

#### Lincoln®



#### ALL METAL CONSTRUCTION

Operates contactor  
and  
controls output.

Remote Finger Tip  
Control for  
Lincoln® & Miller®

### Miller®



Operates contactor and controls output.

| PROFAX NO. | MILLER® | DESCRIPTION  |
|------------|---------|--|
| MFTC-14    | RCC-14  | Fingertip control with 27' cord and 14 pin plug compatible with TIG machines effective with JK674521   |
| MFTC-14-52 |         | Fingertip control with 52' cord and 14 pin plug compatible with TIG machines effective with JK674521   |
| MFTC-5     | RCC-5   | Fingertip control with 27' cord and 5 pin plug compatible with TIG machines prior to JK674521  |
| MFTC-5-52  |         | Fingertip control with 52' cord and 5 pin plug compatible with TIG machines prior to JK674521<br>(special cord lengths available up to 100') |

#### EXTENSION CORDS FOR MFTC-14 & MFTC-5

| MFTC-14 | MFTC-5              |        |                     |
|---------|---------------------|--------|---------------------|
| PROFAX  | DESCRIPTION         | PROFAX | DESCRIPTION         |
| 9688    | 25' extension cord  | 9684   | 25' extension cord  |
| 9689    | 50' extension cord  | 9685   | 50' extension cord  |
| 9690    | 75' extension cord  | 9686   | 75' extension cord  |
| 9691    | 100' extension cord | 9687   | 100' extension cord |

### REMOTE FOOT CONTROL

#### Miller®

#### ALL METAL CONSTRUCTION

Operates contactor  
and  
controls output.

| PROFAX NO.   | MILLER®   | DESCRIPTION                            | COMPATIBLE EQUIPMENT   |
|--------------|-----------|--|--|
| MFC-14       | RFCS-14   | Foot control w/25' cord & 14 pin plug. | Direct Connects to:<br>Aerowave, Dimension 302, 452, 652 & NT450, Dynasty 700, 200, 350, & 700, Invision, 456P & 456MP & MK VI, Shopmaster 300, Syncrowave 180SD, 200, 250DX, 350DX, 350LX, TIGRunner, XMT, 350, 304, & 456, PipePro 304, PRO 300, Trailblazer 302, Maxstar 200,300, and 700 |
| PX 122 973   | 242208025 | 25' ext. cord                          | Used to extend the MFC-14 foot control & MHC-14 hand control   |
| PX 122 974   | 242208050 | 50' ext. cord                          |  |
| PX 122 975   | 122 975   | 75' ext. cord                          |  |
| PX 242208080 | 242208080 | 80' ext. cord                          |  |
| 9319         |           | 100' ext. cord                         |  |
| PX 129 341   | 129 341   | Adapter                                | 5 pin plug to 14 socket receptacle.<br>Adapts all older Miller equipment with the 5 socket remote receptacle to the std. Miller 14 skt. receptacle.  |
| PX 136961    | 136961    | 14 pin plug                            |  |

#### LFTC-6 & LFC-870 ADAPTERS

| PROFAX  | LINCOLN® | DESCRIPTION | COMPATIBLE EQUIPMENT                         |
|---------|----------|-------------|--|
| PXK843  | K843     | Adapter     | Terminal strip to 6 socket receptacle.       |
| PXK864  | K864     | Adapter     | 14 pin plug to 6 skt recept & 14 skt recept. |
| 9307    |          | Adapter     | 5 pin plug to 6 socket receptacle.           |
| PXK876  | K876     | Adapter     | 14 pin plug to 6 socket receptacle.          |
| K2909-1 | K2909-1  | Adapter     | 12 pin plug to 6 socket receptacle.          |



# EASYkleen

**PROFAK**

**Cleans, Passivates,  
and  
Polishes  
Stainless Steel  
and  
Stainless Steel Welds**

**Electrical Specification:** Input 100-120V, 60Hz 10 amp  
Output NLV 16, Peak AMPS 50, 80% duty cycle

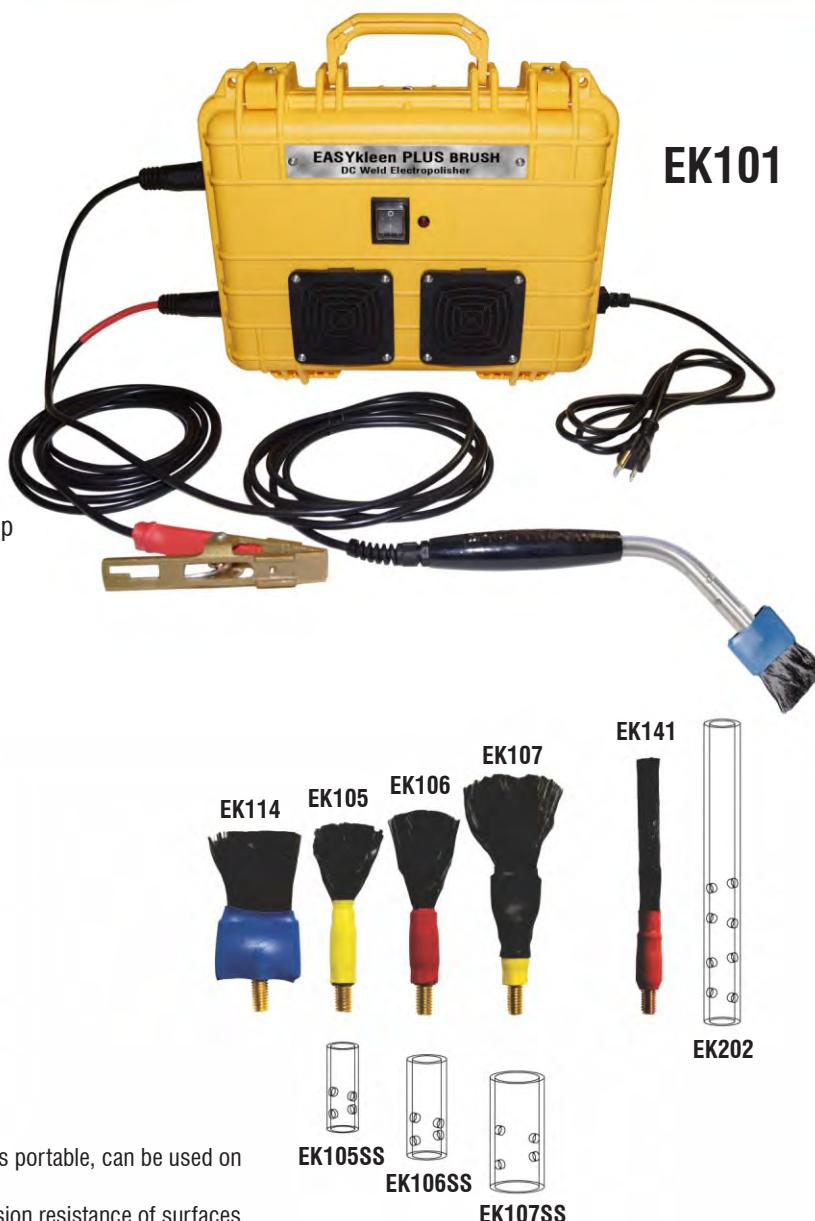
**Case Dimensions:** 13" x 11-1/4" x 4-3/4"

Weight: 17 lbs. without leads

Shipping Weight: 23 lbs.

**Standard Package Contains:**

|       |  |
|-------|--|
| EK101 | EASYkleen DC Plus Machine                |
| EK105 | 1 x Spot Brush & Sleeve (Yellow)         |
| EK106 | 1 x Craftsman Brush (Red)                |
| EK107 | 1 x Workman Brush (Black)                |
| EK110 | 1 x 9' Brush Lead (all black) & Handle   |
| EK111 | 1 x Power Cord                           |
| EK112 | 1 x 9' Ground Clamp & Lead (red tagging) |
| EK114 | 1 x Master Brush (Blue)                  |
| EK141 | 1 x Tip Brush (Red)                      |
| EK202 | 1 x Silicone Sleeve                      |
|       | 1 Manual with Warranty, MSDS Sheet x 2   |



- The process employed is an electropolishing method but is portable, can be used on site and for small areas that require remediation.
- It is effective in passivating and therefore improving corrosion resistance of surfaces.
- It removes rust and stains from surfaces.
- It does not scratch or etch but it does polish. The polish is controlled by user.
- It microscopically smooths the surface giving the best possible finish.
- It removes weld scale and decoloration.
- No abrasives or buffing compounds needed.



**EK-102**  
1 Gallon

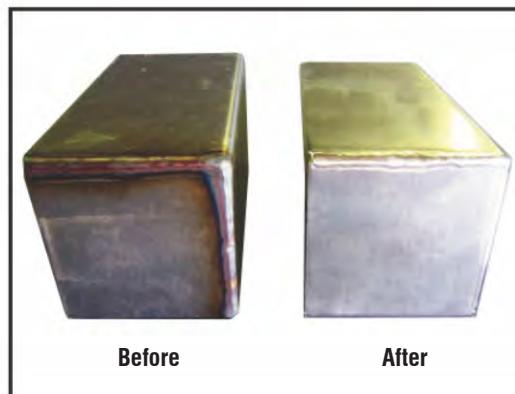
**EK-102-5**  
5 Gallon

**EK-102-55**  
55 Gallon

**EK102**  
Cleaning Solution 1 Gallon  
(Ground Shipping Only)



**ME128**  
Neutraliser 1 Gallon





# EASYkleen

# PROFAX

## Cleans, Passivates, and Polishes Stainless Steel and Stainless Steel Welds

**Electrical Specification:** Input 110-240V 15 amp  
Output NLV 35 20-125 amp, Adjustable Current Control,  
100% duty cycle

**Case Dimensions:** 16-1/4" x 13-1/2" x 7-1/2"

Weight: 19 lbs. without leads

Shipping Weight: 30 lbs.

### Standard Package Contains:

|        |                              |
|--------|------------------------------|
| EK1501 | EASYkleen Pro Machine EK1531 |
| EK1530 | 1 x Small Brush (Black)      |
| EK1531 | 1 x Medium Brush (Blue)      |
| EK1532 | 1 x Brush, 1/2" (Red)        |
| EK1533 | 1 x Tip Brush (Black)        |
| EK1540 | 1 x Handle and Lead          |
| EK1541 | 1 x Ground Clamp and Lead    |
| EK1542 | 1 x Power Cord               |
| EK2522 | 1 x Silicone Sleeve          |
|        | 1 Manual with Warranty       |

**EK1501**



EK1530



EK1530SS

EK1531



EK1531SS

EK1532

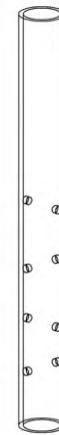


EK1532SS

EK1533



EK2522



- The process employed is an electropolishing method but is portable, can be used on site and for small areas that require remediation.
- It is effective in passivating and therefore improving corrosion resistance of surfaces.
- It removes rust and stains from surfaces.
- It does not scratch or etch but it does polish. The polish is controlled by user.
- It microscopically smooths the surface giving the best possible finish.
- It removes weld scale and decoloration.
- No abrasives or buffing compounds needed.



**EK-102**  
1 Gallon

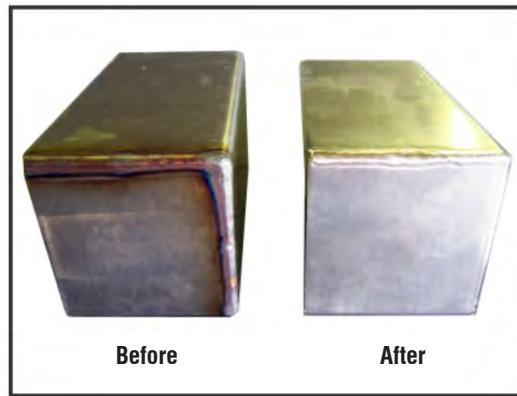
**EK-102-5**  
5 Gallon

**EK-102-55**  
55 Gallon

**EK102**  
Cleaning Solution 1 Gallon  
(Ground Shipping Only)



**ME128**  
Neutraliser 1 Gallon





## Arc Gouging Torches QUICK REFERENCE

**PROFAX**

PAGE(S)

**AEC-3000**  
**AEC-3000-1**



152 - 153

**AEC-3500**  
**AEC-3500-1**



154 - 155

**AEC-4000-1**  
**AEC-4500-1**



156 - 157

**AEC-5000**  
**AEC-5000-1**



158 - 159

**AEC-5500**  
**AEC-5500-1**



160 - 161

Arc Gouging  
Torches



## Arc Gouging Torches

**PROFAK**

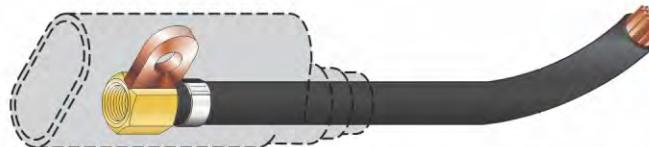
# AEC-3000/AEC-3000-1

### **Standard Features:**

- Unique valve design
- Special high impact, heat resistant material
- Special hard copper alloy body  
w/excellent electrical conductivity
- Easy field repair
- Available w/7' swivel or  
non-swivel cable assembly
- Optional 12' swivel  
cable assembly available
- **Made in the U.S.A.**



**Standard Torch**



**Torch with AEC-3-045CF Insulation Kit Installed**

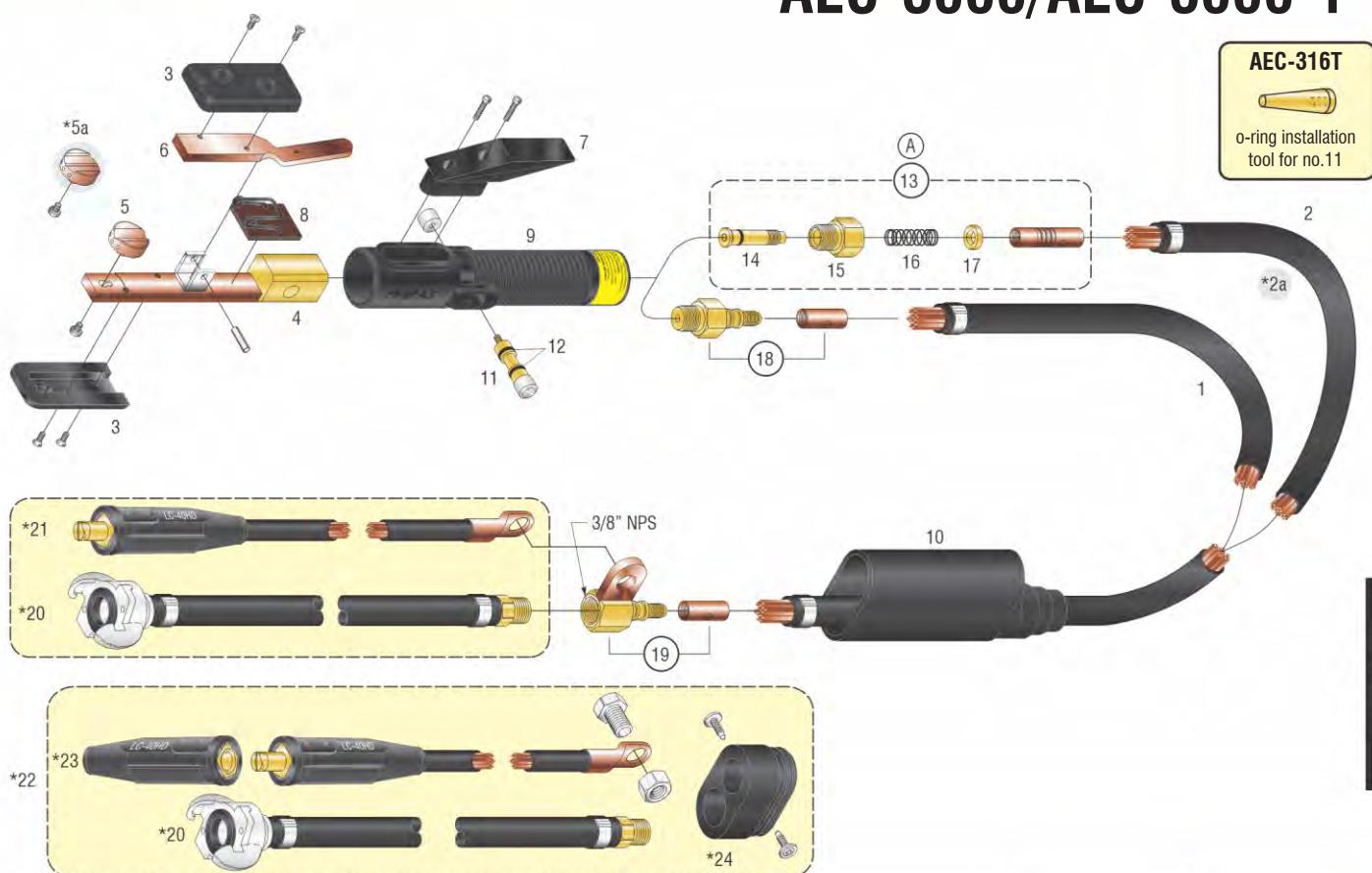
| MODEL NO.                  | DESCRIPTION  | DC AMPS         |                  |                  |                  |                  |
|----------------------------|--|-----------------|------------------|------------------|------------------|------------------|
|                            |  | 5/32"           | 3/16"            | 1/4"             | 5/16"            | 3/8"             |
| <b>AEC-3000</b>            | Complete gouging torch with 7' cable assembly                                    |                 |                  |                  |                  |                  |
| <b>AEC-3000-045CF</b>      | Complete gouging torch with 7' cable assembly w/insulation kit installed         |                 |                  |                  |                  |                  |
| <b>AEC-3000-1</b>          | Complete gouging torch with 7' swivel cable assembly                             | 90<br>to<br>150 | 200<br>to<br>250 | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 |
| <b>AEC-3000-1-045CF</b>    | Complete gouging torch with 7' swivel cable assembly w/insulation kit installed  |                 |                  |                  |                  |                  |
| <b>AEC-3000-12-1</b>       | Complete gouging torch with 12' swivel cable assembly                            |                 |                  |                  |                  |                  |
| <b>AEC-3000-12-1-045CF</b> | Complete gouging torch with 12' swivel cable assembly w/insulation kit installed |                 |                  |                  |                  |                  |
| <b>AEC-3001</b>            | Complete gouging torch less cable assembly                                       |                 |                  |                  |                  |                  |



# Arc Gouging Torch Parts Breakdown

**PROFAK**

**AEC-3000/AEC-3000-1**



Arc Gouging  
Parts Breakdown

| ITEM | DESCRIPTION   | AEC 3000     | AEC 3000-1   |
|------|---|--------------|--------------|
| 1    | Cable assembly 7'   | AEC-302      | —            |
| 2    | Swivel cable assembly 7'  | —            | AEC-302-1    |
| *2a  | Swivel cable assembly 12'   | —            | AEC-312-1    |
| 3    | Insulator assembly with screws  | AEC-303      | AEC-303      |
| 4    | Lower tong and valve body   | AEC-304      | AEC-304      |
| 5    | Swivel head with screw  | AEC-305      | AEC-305      |
| *5a  | Flat swivel head with screw   | AEC-305F     | AEC-305F     |
| 6    | Upper arm   | AEC-307      | AEC-307      |
| 7    | Lever assembly with screws  | AEC-308      | AEC-308      |
| 8    | Spring, insulator assembly  | AEC-309      | AEC-309      |
| 9    | Handle  | AEC-350      | AEC-350      |
| 10   | Cable insulating boot   | AEC-311      | AEC-311      |
| 11   | Spool assembly  | AEC-316R     | AEC-316R     |
| 12   | O-ring (package of 2)   | AEC-316-1R   | AEC-316-1R   |
| 13   | Swivel joint assembly   | —            | AEC-321      |
| 14   | Swivel joint stem   | —            | AEC-322      |
| 15   | Swivel joint male nut   | —            | AEC-323      |
| 16   | Swivel joint spring   | —            | AEC-326      |
| 17   | Swivel joint bushing  | —            | AEC-327      |
| 18   | Male cable connector assembly   | AEC-3-028    | —            |
| 19   | Female cable connector assembly   | AEC-3-029    | AEC-3-029    |
| *20  | Air hose extension 18" long with crow foot connection                         | AEC-3-040    | AEC-3-040    |
| *21  | Power cable extension 3/0 cable 18" long with LC-40HD male                    | AEC-3-041-TW | AEC-3-041-TW |
| *22  | Power/Air insulation kit  | AEC-3-045CF  | AEC-3-045CF  |
| *23  | Power cable extension 3/0 18" long cable with LC-40HD male and LC-40HD female | AEC-3-042    | AEC-3-042    |
| *24  | Insulating Block  | AEC-312      | AEC-312      |

\*Items are optional

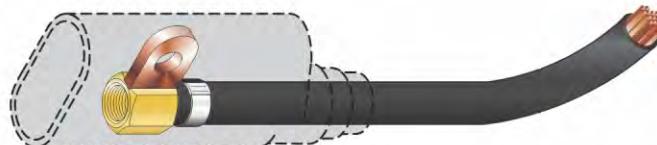
(A) - When rebuilding Swivel Joint Assembly in the field use LOCTITE® 272 on the threads of swivel joint stem (item #14).



# AEC-3500/AEC-3500-1

**Standard Features:**

- Unique valve design
- Special high impact, heat resistant material
- Special copper alloy forged body
- Easy field repair
- Available w/7' swivel or non-swivel cable assembly
- Optional 12' swivel cable assembly available
- **Made in the U.S.A.**


**Standard Torch**

**Torch with AEC-3-045CF Insulation Kit Installed**

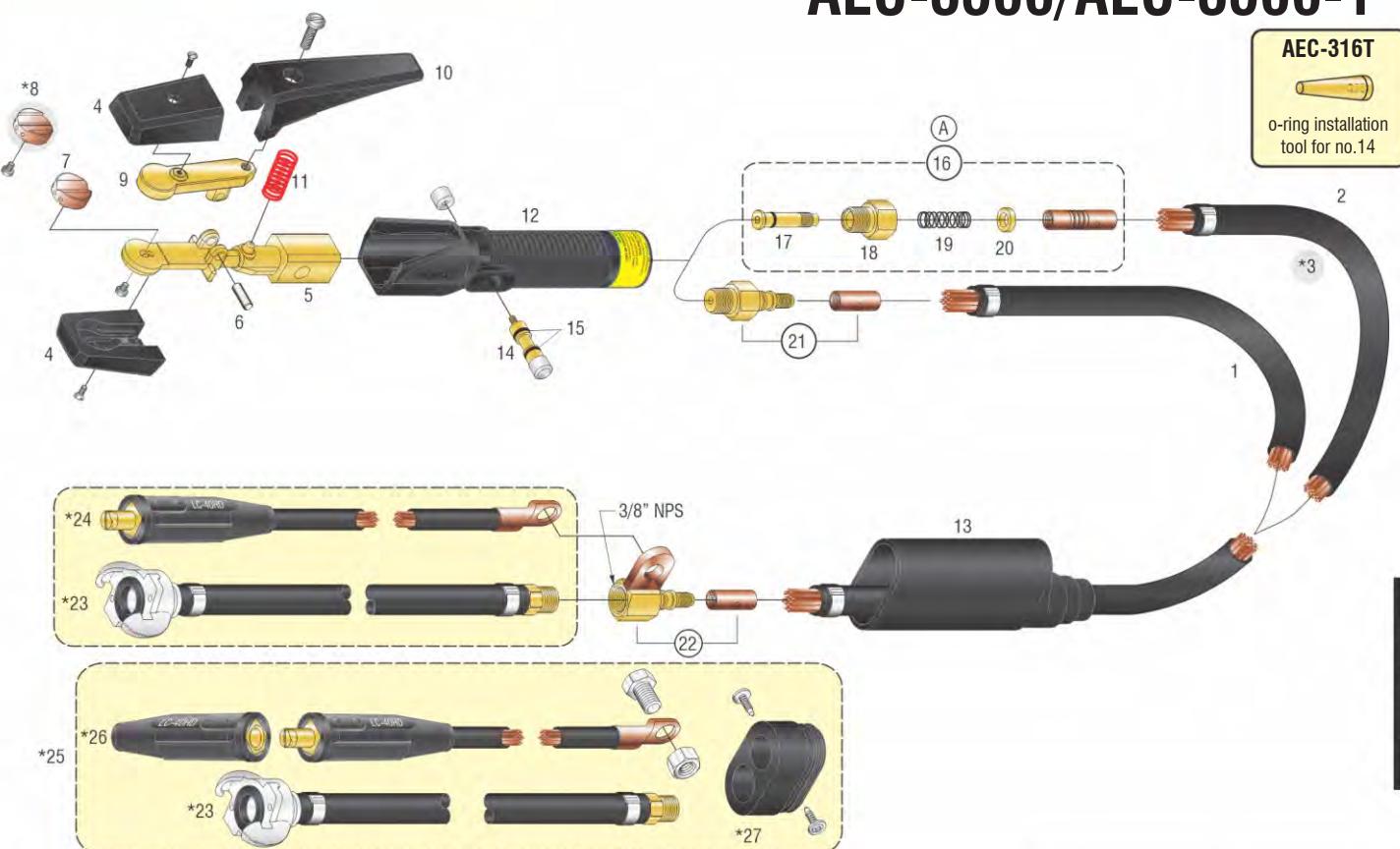
| MODEL NO.                  | DESCRIPTION  | DC AMPS         |                  |                  |                  |                  |
|----------------------------|--|-----------------|------------------|------------------|------------------|------------------|
|                            |  | 5/32"           | 3/16"            | 1/4"             | 5/16"            | 3/8"             |
| <b>AEC-3500</b>            | Complete gouging torch with 7' cable assembly                                    |                 |                  |                  |                  |                  |
| <b>AEC-3500-045CF</b>      | Complete gouging torch with 7' cable assembly w/insulation kit installed         |                 |                  |                  |                  |                  |
| <b>AEC-3500-1</b>          | Complete gouging torch with 7' swivel cable assembly                             | 90<br>to<br>150 | 200<br>to<br>250 | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 |
| <b>AEC-3500-1-045CF</b>    | Complete gouging torch with 7' swivel cable assembly w/insulation kit installed  |                 |                  |                  |                  |                  |
| <b>AEC-3500-12-1</b>       | Complete gouging torch with 12' swivel cable assembly                            |                 |                  |                  |                  |                  |
| <b>AEC-3500-12-1-045CF</b> | Complete gouging torch with 12' swivel cable assembly w/insulation kit installed |                 |                  |                  |                  |                  |
| <b>AEC-3501</b>            | Complete gouging torch less cable assembly                                       |                 |                  |                  |                  |                  |



# Arc Gouging Torch Parts Breakdown

**PROFAK**

**AEC-3500/AEC-3500-1**



Arc Gouging  
Parts Breakdown

| NO. | DESCRIPTION   | AEC 3500     | AEC 3500-1   |
|-----|---|--------------|--------------|
| 1   | Cable assembly 7'   | AEC-302      | —            |
| 2   | Swivel cable assembly 7'  | —            | AEC-302-1    |
| *3  | Swivel cable assembly 12'   | —            | AEC-312-1    |
| 4   | Insulator assembly with screws  | AEC-403      | AEC-403      |
| 5   | Lower tong and valve body   | AEC-354      | AEC-354      |
| 6   | Pin   | AEC-410      | AEC-410      |
| 7   | Swivel head with screw  | AEC-305      | AEC-305      |
| *8  | Flat swivel head with screw   | AEC-305F     | AEC-305F     |
| 9   | Upper arm   | AEC-407      | AEC-407      |
| 10  | Lever assembly with screw   | AEC-408      | AEC-408      |
| 11  | Spring  | AEC-409      | AEC-409      |
| 12  | Handle  | AEC-375      | AEC-375      |
| 13  | Cable insulating boot   | AEC-311      | AEC-311      |
| 14  | Spool assembly  | AEC-316R     | AEC-316R     |
| 15  | O-ring (package of 2)   | AEC-316-1R   | AEC-316-1R   |
| 16  | Swivel joint assembly   | —            | AEC-321      |
| 17  | Swivel joint stem   | —            | AEC-322      |
| 18  | Swivel joint male nut   | —            | AEC-323      |
| 19  | Swivel joint spring   | —            | AEC-326      |
| 20  | Swivel joint bushing  | —            | AEC-327      |
| 21  | Male cable connector  | AEC-3-028    | —            |
| 22  | Female cable connector  | AEC-3-029    | AEC-3-029    |
| *23 | Air hose extension 18" long with crow foot connection                         | AEC-3-040    | AEC-3-040    |
| *24 | Power cable extension 3/0 cable 18" long with LC-40HD male                    | AEC-3-041-TW | AEC-3-041-TW |
| *25 | Power/Air insulation kit  | AEC-3-045CF  | AEC-3-045CF  |
| *26 | Power cable extension 3/0 18" long cable with LC-40HD male and LC-40HD female | AEC-3-042    | AEC-3-042    |
| *27 | Insulation block  | AEC-312      | AEC-312      |

\*Items are optional

(A) - When rebuilding Swivel Joint Assembly in the field use LOCTITE® 272 on the threads of swivel joint stem (item #17).



## Arc Gouging Torches

**PROFAX**

# AEC-4000-1/AEC-4500-1

### Standard Features:

- 15° torch head
- Special high impact, heat resistant material
- Special copper alloy forged body

- Unique valve design for easy field repair
- 7' 360° swivel cable assembly
- Optional 12' swivel cable assembly available
- **Made in the U.S.A.**

### Standard Torch



#### AEC 4000-1

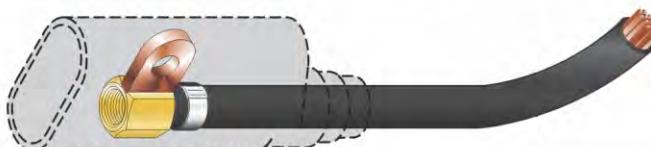
5/32" - 1/2" Carbons

- Standard Swivel Cable Assembly
- Standard Swivel Head

#### AEC 4500-1

3/16" - 5/8" Carbons

- Heavy Duty Swivel Cable Assembly
- Heavy Duty Swivel Head



### Torch with AEC-3-045CF Insulation Kit Installed

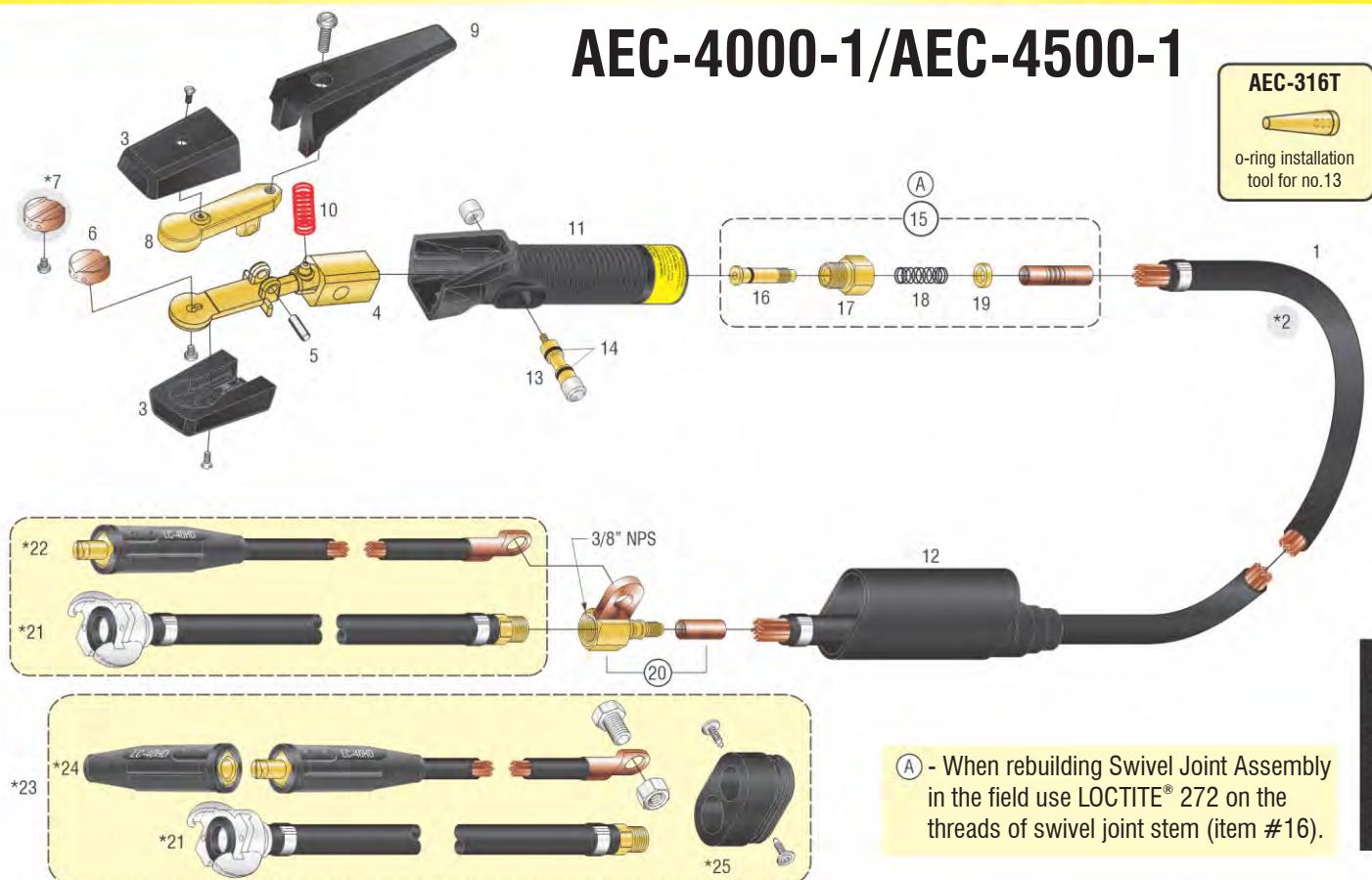
| MODEL NO.           | DESCRIPTION   | DC AMPS         |                  |                  |                  |                  |                   |                    |
|---------------------|---|-----------------|------------------|------------------|------------------|------------------|-------------------|--------------------|
|                     |   | 5/32"           | 3/16"            | 1/4"             | 5/16"            | 3/8"             | 1/2"              | 5/8"               |
| AEC-4000-1          | Complete gouging torch with 7' swivel cable assembly                      | 90<br>to<br>150 | 200<br>to<br>250 | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 | 800<br>to<br>1000 | —                  |
| AEC-4000-1-045CF    | Complete gouging torch w/7' swivel cable assy w/insulation kit installed  |                 |                  |                  |                  |                  |                   |                    |
| AEC-4000-12-1       | Complete gouging torch with 12' swivel cable assembly                     |                 |                  |                  |                  |                  |                   |                    |
| AEC-4000-12-1-045CF | Complete gouging torch w/12' swivel cable assy w/insulation kit installed |                 |                  |                  |                  |                  |                   |                    |
| AEC-4001            | Complete gouging torch less cable assembly                                |                 |                  |                  |                  |                  |                   |                    |
| AEC-4500-1          | Complete gouging torch with 7' swivel cable assembly                      | —               | 200<br>to<br>250 | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 | 800<br>to<br>1000 | 1000<br>to<br>1250 |
| AEC-4500-1-045CF    | Complete gouging torch w/7' swivel cable assy w/insulation kit installed  |                 |                  |                  |                  |                  |                   |                    |
| AEC-4500-12-1       | Complete gouging torch with 12' swivel cable assembly                     |                 |                  |                  |                  |                  |                   |                    |
| AEC-4500-12-1-045CF | Complete gouging torch w/12' swivel cable assy w/insulation kit installed |                 |                  |                  |                  |                  |                   |                    |
| AEC-4501            | Complete gouging torch less cable assembly                                |                 |                  |                  |                  |                  |                   |                    |



# Arc Gouging Torch Parts Breakdown

**PROFAX**

**AEC-4000-1/AEC-4500-1**



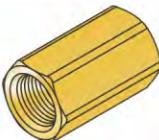
(A) - When rebuilding Swivel Joint Assembly in the field use LOCTITE® 272 on the threads of swivel joint stem (item #16).

Arc Gouging  
Parts Breakdown

| NO. | DESCRIPTION   | AEC 4000-1   | AEC 4500-1   |
|-----|---|--------------|--------------|
| 1   | Swivel cable assembly 7'  | AEC-302-1    | AEC-502-1    |
| *2  | Swivel cable assembly 12'   | AEC-312-1    | AEC-512-1    |
| 3   | Insulator assembly with screws  | AEC-403      | AEC-403      |
| 4   | Lower tong and valve body   | AEC-404      | AEC-454      |
| 5   | Pin   | AEC-410      | AEC-410      |
| 6   | Swivel head with screw  | AEC-305      | AEC-505      |
| *7  | Flat swivel head with screw   | AEC-305F     | AEC-505F     |
| 8   | Upper arm   | AEC-407      | AEC-407      |
| 9   | Lever assembly with screw   | AEC-408      | AEC-408      |
| 10  | Spring  | AEC-409      | AEC-409      |
| 11  | Handle  | AEC-450      | AEC-450      |
| 12  | Cable insulating boot   | AEC-311      | AEC-511      |
| 13  | Spool assembly  | AEC-316R     | AEC-316R     |
| 14  | O-ring (package of 2)   | AEC-316-1R   | AEC-316-1R   |
| 15  | Swivel joint assembly   | AEC-321      | AEC-521      |
| 16  | Swivel joint stem   | AEC-322      | AEC-522      |
| 17  | Swivel joint male nut   | AEC-323      | AEC-523      |
| 18  | Swivel joint spring   | AEC-326      | AEC-526      |
| 19  | Swivel joint bushing  | AEC-327      | AEC-527      |
| 20  | Female cable connector  | AEC-3-029    | AEC-5-029    |
| *21 | Air hose extension 18" long with crow foot connection                         | AEC-3-040    | AEC-3-040    |
| *22 | Power cable extension 3/0 cable 18" long with LC-40HD male                    | AEC-3-041-TW | AEC-3-041-TW |
| *23 | Power/Air insulation kit  | AEC-3-045CF  | AEC-3-045CF  |
| *24 | Power cable extension 3/0 18" long cable with LC-40HD male and LC-40HD female | AEC-3-042    | AEC-3-042    |
| *25 | Insulating block  | AEC-312      | AEC-312      |

\*Items are optional

**AEC-40**



Allows you to use the  
**PROFAX** power cables  
on the K-4000\* torch

\*K-4000 is a registered trademark of Tweco Products Inc.



## Arc Gouging Torches

**PROFAX**

# AEC-5000/AEC-5000-1

### Standard Features:

- Unique valve design
- Special high impact, heat resistant material
- Special hard copper alloy w/excellent electrical conductivity
- Easy field repair
- Available w/7' swivel or non-swivel cable assembly
- Optional 12' swivel cable assembly available
- **Made in the U.S.A.**



### Standard Torch



### Torch with AEC-3-045CF Insulation Kit Installed

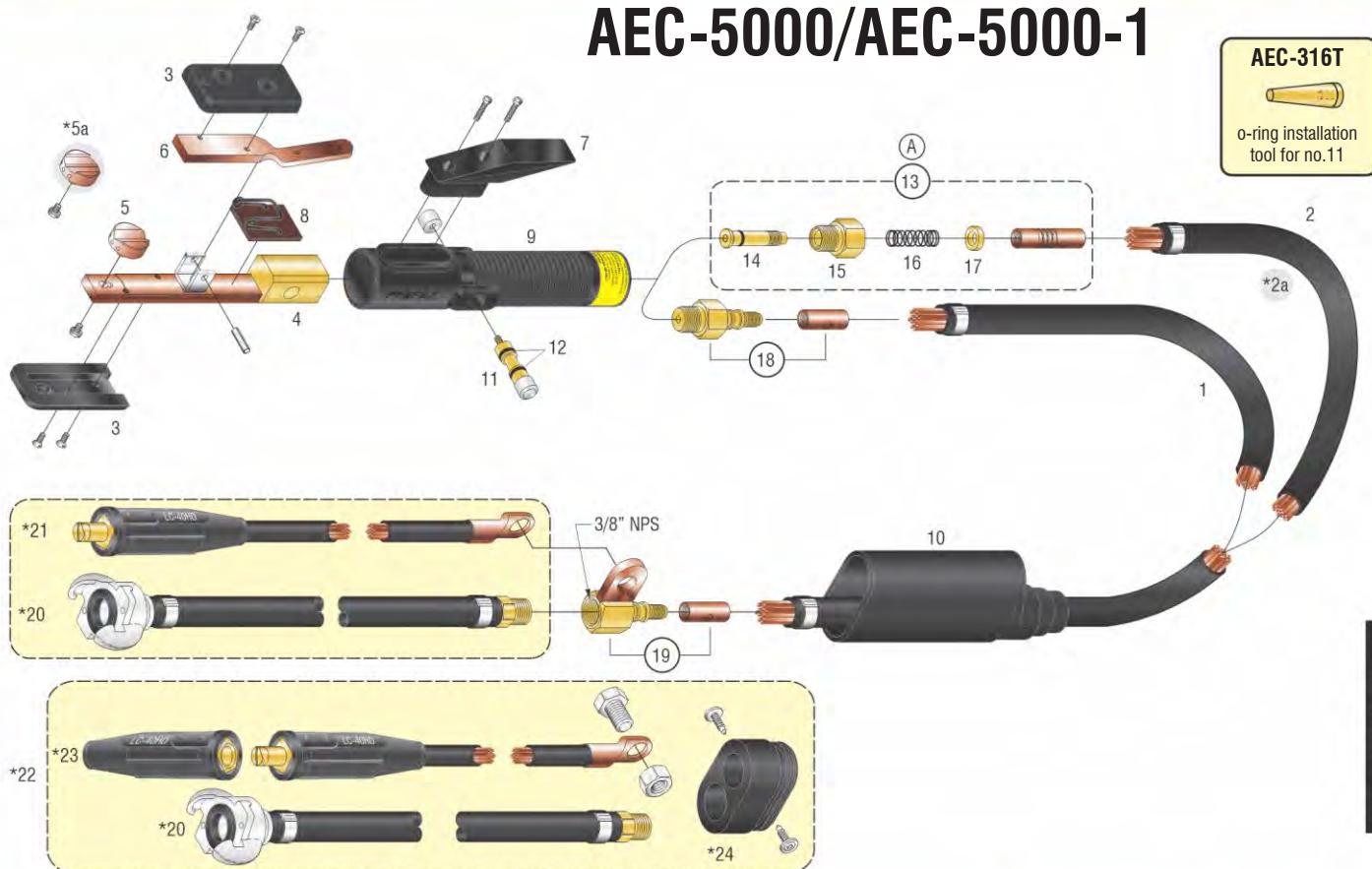
| MODEL NO.                  | DESCRIPTION  | DC AMPS          |                  |                  |                  |                    |
|----------------------------|--|------------------|------------------|------------------|------------------|--------------------|
|                            |  | 1/4"             | 5/16"            | 3/8"             | 1/2"             | 5/8"               |
| <b>AEC-5000</b>            | Complete gouging torch with 7' cable assembly                                    |                  |                  |                  |                  |                    |
| <b>AEC-5000-045CF</b>      | Complete gouging torch with 7' cable assembly w/insulation kit installed         |                  |                  |                  |                  |                    |
| <b>AEC-5000-1</b>          | Complete gouging torch with 7' swivel cable assembly                             |                  |                  |                  |                  |                    |
| <b>AEC-5000-1-045CF</b>    | Complete gouging torch with 7' swivel cable assembly w/insulation kit installed  | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 | 700<br>to<br>900 | 1000<br>to<br>1250 |
| <b>AEC-5000-12-1</b>       | Complete gouging torch with 12' swivel cable assembly                            |                  |                  |                  |                  |                    |
| <b>AEC-5000-12-1-045CF</b> | Complete gouging torch with 12' swivel cable assembly w/insulation kit installed |                  |                  |                  |                  |                    |
| <b>AEC-5001</b>            | Complete gouging torch less cable assembly                                       |                  |                  |                  |                  |                    |



# Arc Gouging Torch Parts Breakdown

**PROFAK**

**AEC-5000/AEC-5000-1**



Arc Gouging  
Parts Breakdown

| ITEM | DESCRIPTION   | AEC 5000     | AEC 5000-1   |
|------|---|--------------|--------------|
| 1    | Cable assembly 7'   | AEC-502      | —            |
| 2    | Swivel cable assembly 7'  | —            | AEC-502-1    |
| *2a  | Swivel cable assembly 12'   | —            | AEC-512-1    |
| 3    | Insulator assembly with screws  | AEC-303      | AEC-303      |
| 4    | Lower tong and valve body   | AEC-304      | AEC-304      |
| 5    | Swivel head with screw  | AEC-505      | AEC-505      |
| *5a  | Flat swivel head with screw   | AEC-505F     | AEC-505F     |
| 6    | Upper arm   | AEC-307      | AEC-307      |
| 7    | Lever assembly with screws  | AEC-308      | AEC-308      |
| 8    | Spring, insulator assembly  | AEC-309      | AEC-309      |
| 9    | Handle  | AEC-350      | AEC-350      |
| 10   | Cable insulating boot   | AEC-511      | AEC-511      |
| 11   | Spool assembly  | AEC-316R     | AEC-316R     |
| 12   | O-ring (package of 2)   | AEC-316-1R   | AEC-316-1R   |
| 13   | Swivel joint assembly   | —            | AEC-521      |
| 14   | Swivel joint stem   | —            | AEC-522      |
| 15   | Swivel joint male nut   | —            | AEC-523      |
| 16   | Swivel joint spring   | —            | AEC-526      |
| 17   | Swivel joint bushing  | —            | AEC-527      |
| 18   | Male cable connector assembly   | AEC-5-028    | —            |
| 19   | Female cable connector assembly   | AEC-5-029    | AEC-5-029    |
| *20  | Air hose extension 18" long with crow foot connection                         | AEC-3-040    | AEC-3-040    |
| *21  | Power cable extension 3/0 cable 18" long with LC-40HD male                    | AEC-3-041-TW | AEC-3-041-TW |
| *22  | Power/Air insulation kit  | AEC-3-045CF  | AEC-3-045CF  |
| *23  | Power cable extension 3/0 18" long cable with LC-40HD male and LC-40HD female | AEC-3-042    | AEC-3-042    |
| *24  | Insulating block  | AEC-312      | AEC-312      |

\*Items are optional

(A) - When rebuilding Swivel Joint Assembly in the field use LOCTITE® 272 on the threads of swivel joint stem (item #14).



## Arc Gouging Torches

**PROFAX**

# AEC-5500/AEC-5500-1

### Standard Features:

- Unique valve design
- Special high impact, heat resistant material
- Special copper alloy forged body
- Easy field repair

- Available w/7' swivel or non-swivel cable assembly
- Optional 12' swivel cable assembly available
- **Made in the U.S.A.**



### AIR REQUIREMENTS

When using the AEC series arc gouging torches 80 to 100 psi compressed air is recommended.

### Standard Torch



### Torch with AEC-3-045CF Insulation Kit Installed

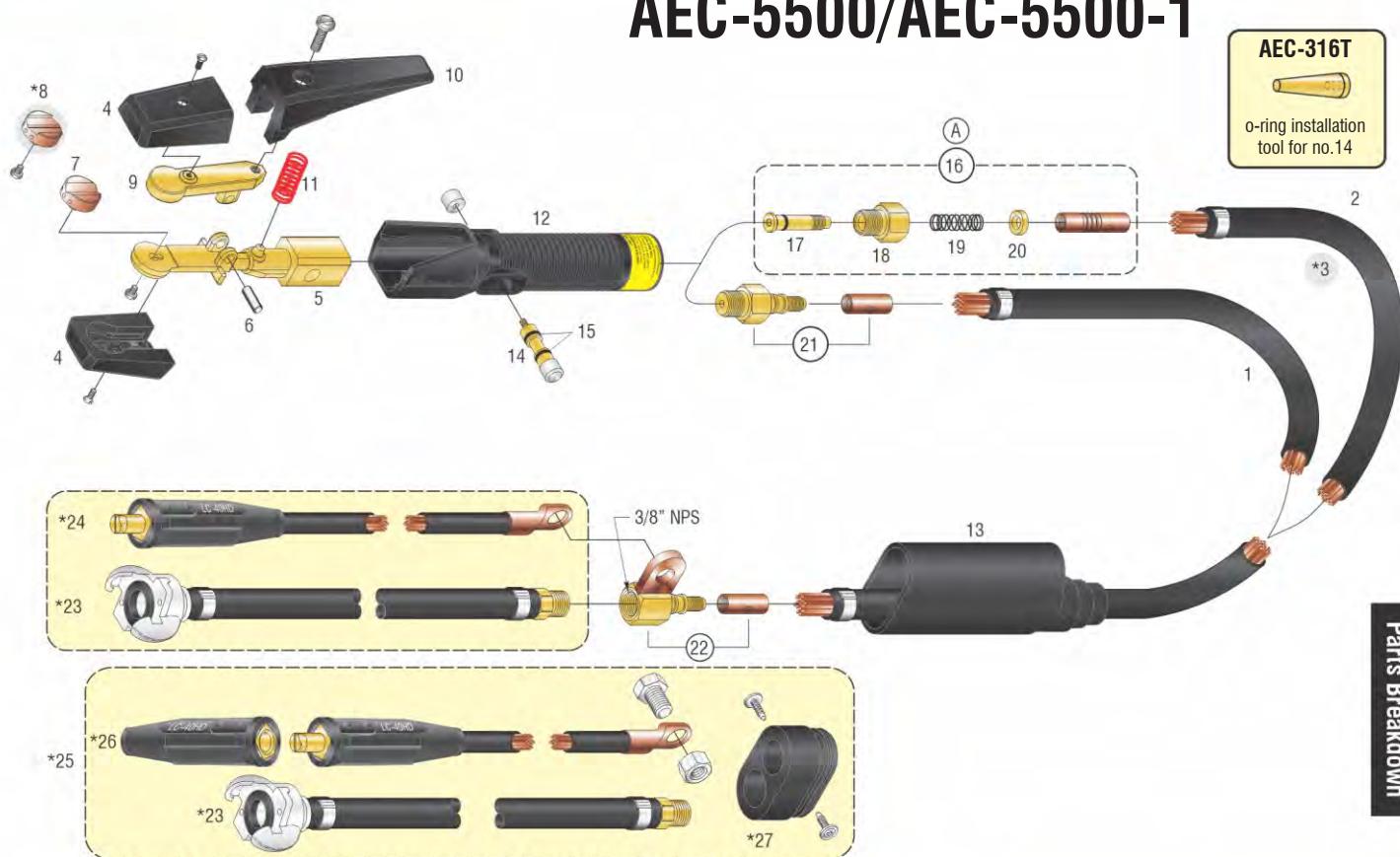
| MODEL NO.           | DESCRIPTION  | DC AMPS          |                  |                  |                   |                    |
|---------------------|--|------------------|------------------|------------------|-------------------|--------------------|
|                     |  | 1/4"             | 5/16"            | 3/8"             | 1/2"              | 5/8"               |
| AEC-5500            | Complete gouging torch with 7' cable assembly                                    |                  |                  |                  |                   |                    |
| AEC-5500-045CF      | Complete gouging torch with 7' cable assembly w/insulation kit installed         |                  |                  |                  |                   |                    |
| AEC-5500-1          | Complete gouging torch with 7' swivel cable assembly                             | 300<br>to<br>400 | 350<br>to<br>450 | 450<br>to<br>600 | 800<br>to<br>1000 | 1000<br>to<br>1250 |
| AEC-5500-1-045CF    | Complete gouging torch with 7' swivel cable assembly w/insulation kit installed  |                  |                  |                  |                   |                    |
| AEC-5500-12-1       | Complete gouging torch with 12' swivel cable assembly                            |                  |                  |                  |                   |                    |
| AEC-5500-12-1-045CF | Complete gouging torch with 12' swivel cable assembly w/insulation kit installed |                  |                  |                  |                   |                    |
| AEC-5501            | Complete gouging torch less cable assembly                                       |                  |                  |                  |                   |                    |



# Arc Gouging Torch Parts Breakdown

**PROFAK**

## AEC-5500/AEC-5500-1



Arc Gouging  
Parts Breakdown

| NO. | DESCRIPTION   | AEC 5500     | AEC 5500-1   |
|-----|---|--------------|--------------|
| 1   | Cable assembly 7'   | AEC-502      | —            |
| 2   | Swivel cable assembly 7'  | —            | AEC-502-1    |
| *3  | Swivel cable assembly 12'   | —            | AEC-512-1    |
| 4   | Insulator assembly with screws  | AEC-403      | AEC-403      |
| 5   | Lower tong and valve body   | AEC-544      | AEC-544      |
| 6   | Pin   | AEC-410      | AEC-410      |
| 7   | Swivel head with screw  | AEC-505      | AEC-505      |
| *8  | Flat swivel head with screw   | AEC-505F     | AEC-505F     |
| 9   | Upper arm   | AEC-407      | AEC-407      |
| 10  | Lever assembly with screw   | AEC-408      | AEC-408      |
| 11  | Spring  | AEC-409      | AEC-409      |
| 12  | Handle  | AEC-375      | AEC-375      |
| 13  | Cable insulating boot   | AEC-511      | AEC-511      |
| 14  | Spool assembly  | AEC-316R     | AEC-316R     |
| 15  | O-ring (package of 2)   | AEC-316-1R   | AEC-316-1R   |
| 16  | Swivel joint assembly   | —            | AEC-521      |
| 17  | Swivel joint stem   | —            | AEC-522      |
| 18  | Swivel joint male nut   | —            | AEC-523      |
| 19  | Swivel joint spring   | —            | AEC-526      |
| 20  | Swivel joint bushing  | —            | AEC-527      |
| 21  | Male cable connector  | AEC-5-028    | —            |
| 22  | Female cable connector  | AEC-5-029    | AEC-5-029    |
| *23 | Air hose extension 18" long with crow foot connection                         | AEC-3-040    | AEC-3-040    |
| *24 | Power cable extension 3/0 cable 18" long with LC-40HD male                    | AEC-3-041-TW | AEC-3-041-TW |
| *25 | Power/Air insulation kit  | AEC-3-045CF  | AEC-3-045CF  |
| *26 | Power cable extension 3/0 18" long cable with LC-40HD male and LC-40HD female | AEC-3-042    | AEC-3-042    |
| *27 | Insulating block  | AEC-312      | AEC-312      |

\*Items are optional

(A) - When rebuilding Swivel Joint Assembly in the field use LOCTITE® 272 on the threads of swivel joint stem (item #17).



## Arc Gouging Carbons

**PROFAX**

A  
R  
C  
G  
O  
U  
G  
I  
N  
G  
C  
A  
R  
B  
O  
N  
S

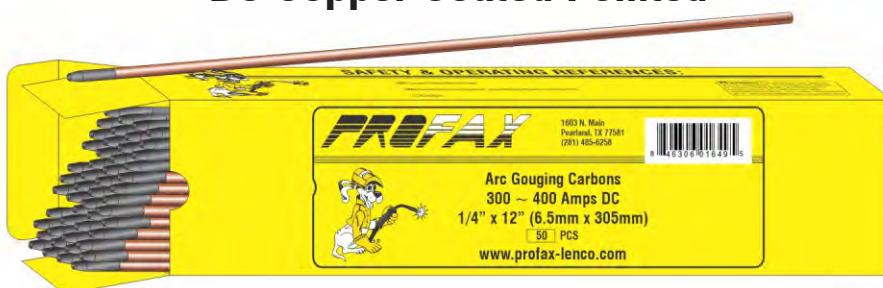
Arc Gouging Torch  
Carbons

### AIR REQUIREMENTS

When using the AEC series arc gouging torches  
80 to 100 psi compressed air is recommended.

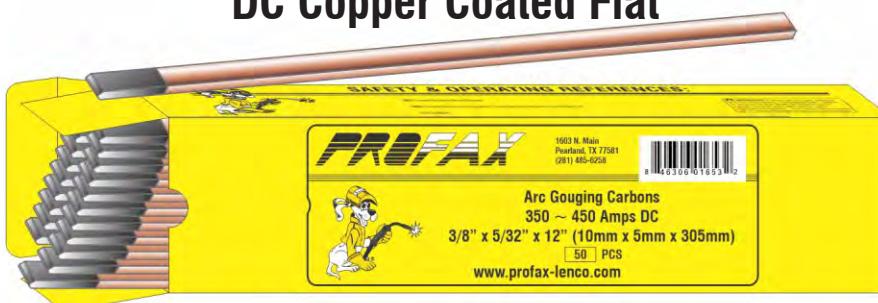
| DC AMPS   |           |           |            |            |
|-----------|-----------|-----------|------------|------------|
| 1/4"      | 5/16"     | 3/8"      | 1/2"       | 5/8"       |
| 300       | 350       | 450       | 800        | 1000       |
| to<br>400 | to<br>450 | to<br>600 | to<br>1000 | to<br>1250 |

### DC Copper Coated Pointed



| ARC GOUGING CARBONS - DC COPPER COATED POINTED |                |              |               |                 |
|--|----------------|--------------|---------------|-----------------|
| PROFAX NO.                                     | SIZE IN INCHES | PCS. PER BOX | PCS. PER CASE | WEIGHT PER CASE |
| 5/32-12 CC                                     | 5/32" x 12"    | 100          | 1000          | 23 lbs.         |
| 3/16-12 CC                                     | 3/16" x 12"    | 50           | 500           | 16 lbs.         |
| 1/4-12 CC                                      | 1/4" x 12"     | 50           | 500           | 25 lbs.         |
| 5/16-12 CC                                     | 5/16" x 12"    | 50           | 500           | 33 lbs.         |
| 3/8-12 CC                                      | 3/8" x 12"     | 50           | 500           | 50 lbs.         |
| 1/2-14 CC                                      | 1/2" x 14"     | 20           | 200           | 41 lbs.         |

### DC Copper Coated Flat



| ARC GOUGING CARBONS - DC COPPER COATED FLAT |                    |              |               |                 |
|---|--------------------|--------------|---------------|-----------------|
| PROFAX NO.                                  | SIZE IN INCHES     | PCS. PER BOX | PCS. PER CASE | WEIGHT PER CASE |
| 3/8-5/32-12 CC                              | 3/8" x 5/32" x 12" | 50           | 500           | 34 lbs.         |

### DC Copper Coated Jointed



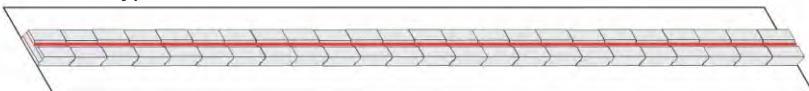
| ARC BLASTING CARBONS - DC COPPER COATED JOINTED |                |              |               |                 |
|---|----------------|--------------|---------------|-----------------|
| PROFAX NO.                                      | SIZE IN INCHES | PCS. PER BOX | PCS. PER CASE | WEIGHT PER CASE |
| 3/8-17 JCC                                      | 3/8" x 17"     | 50           | 500           | 73 lbs.         |
| 1/2-17 JCC                                      | 1/2" x 17"     | 20           | 200           | 48 lbs.         |
| 3/4-17 JCC                                      | 3/4" x 17"     | 10           | 100           | 52 lbs.         |



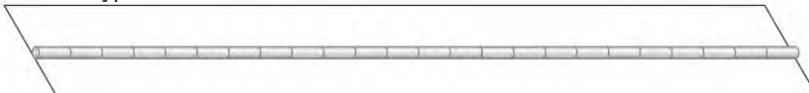
**PROFAX**

## Ceramic Backing Tape

Grooved Type



Round Type

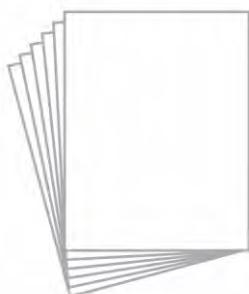


| PROFAX NO.     | DESCRIPTION |
|----------------|-------------|
| CBT-ROUND-8mm  | 8mm Dia.    |
| CBT-ROUND-12mm | 12mm Dia.   |
| CBT-ROUND-3/8  | .375 Dia.   |

| PROFAX NO. | DESCRIPTION |
|------------|-------------|
| CBT-F      |             |
| CBT-1/4    |             |
| CBT-3/8    |             |
| CBT-1/2    |             |

2 ft. sections/60 ft. per case  
**SOLD IN CASE QUANTITIES ONLY**

**TIG MASTER®**



## Water Soluble Purge Dam Paper and Tape



### LIGHT WEIGHT WATER SOLUBLE PAPER

| PROFAX NO.  | DESCRIPTION                        |
|-------------|------------------------------------|
| TM35-811S   | 8.5" x 11" Sheet (1000 Per Case)   |
| TM35-814S   | 8.5" x 14.5" Sheet (1000 Per Case) |
| TM35-1722S  | 17" x 22" Sheet (500 Per Case)     |
| TM35-9165R  | 9" x 165' Roll                     |
| TM35-15165R | 15.5" x 165' Roll                  |
| TM40-20165R | 20.5" x 165' Roll/Coated 1 side    |

- Dissolves in Water or Steam
- No Residue or Trace Elements
- Non-Toxic and Non-Corrosive

- Easy to use - No Training Required
- Wide Range of Welding Applications
- Saves Time and Money

### HEAVY WEIGHT WATER SOLUBLE PAPER

| PROFAX NO.  | DESCRIPTION                      |
|-------------|----------------------------------|
| TM60-1522S  | 15.5" x 22" Sheet (250 Per Case) |
| TM60-15165R | 15.5" x 165' Roll                |
| TM60-31165R | 31" x 165' Roll                  |



Made in the U.S.A.

### SELF ADHESIVE WATER SOLUBLE TAPE

| PROFAX NO. | DESCRIPTION             |
|------------|-------------------------|
| TM-2303T   | 2" x 300' Roll, 3" Core |
| TM-1303T   | 1" x 300' Roll, 3" Core |

### Weld Fillet Gage



- Carrying Pouch Included
- 7 Piece Weld Fillet Gage
- Stainless Steel Construction
- Marked in Standard and Metric Units
- For:
  - Checking Fillet Throat Sizes
  - Checking Fillet Leg Size
  - Works on Both Convex and Concave Welds
  - Weld Sizes 1/8" (3.2mm) — 1" (25.4mm)

| PROFAX NO. | DESCRIPTION      |
|------------|------------------|
| WFG        | Weld Fillet Gage |

### Bridge CAM Gauge

- Measures**
- In Inches & Millimeters
  - Angle of Preparation 0° - 60°
  - Depth of Undercut
  - Depth of Pitting
  - Fillet Weld Throat Size
  - Fillet Weld Length
  - Misalignment (High-Low)
  - Excess Weld Metal



Carrying Pouch Included

| PROFAX NO. | DESCRIPTION      |
|------------|------------------|
| WBCG       | Bridge CAM Gauge |

### Single Purpose High-Low Gauge

- PROFAX / LENCO Single Purpose Welding Gage**
- High-Low Gauge
  - Measures Internal Misalignment
  - Measures Root Weld space
  - Available In English or Metric (Must specify when ordering)
  - Carrying Pouch Included

| PROFAX NO. | DESCRIPTION                           |
|------------|---------------------------------------|
| WHLG       | Single Purpose High-Low Gauge-English |
| WHLG-M     | Single Purpose High-Low Gauge-Metric  |



# Regulator/Flowmeter

**PROFAK**


**SPECIFICATIONS:**

- Brass body
- Flowmeter range-0-60 SCFH
- CGA Inlet: 580
- Minimum Inlet pressure 150 psi
- 5/8-18 RH outlet
- 1 year warranty

**PROFAX NO.**
**GAS SERVICE**

RF1430-580

Argon & Argon/CO<sub>2</sub> Mixes

7300

1½" High Pressure Gauge

7311

Replacement Sight Tube Kit


**SPECIFICATIONS:**

- Brass body
- Flowmeter range-0-60 SCFH
- Economical design
- 10' of 3/16" gas hose (5/8"-18 Male RH Fittings)
- CGA Inlet: 580
- Minimum Inlet pressure 150 psi
- Point of purchase
- Display packaging
- 1 year warranty on regulator

**PROFAX NO.**
**GAS SERVICE**

RF1430-580-KIT

Argon & Argon/CO<sub>2</sub> Mixes

7300

1½" High Pressure Gauge

7311

Replacement Sight Tube Kit


**SPECIFICATIONS:**

- Brass body
- Flowmeter range-0-60 SCFH
- CGA Inlet: 320
- Minimum Inlet pressure 150 psi
- 5/8-18 RH outlet
- 1 year warranty

**PROFAX NO.**
**GAS SERVICE**

RF1430-320

CO<sub>2</sub>

7300

1½" High Pressure Gauge

7303

Replacement Sight Tube Kit

## Dual Flowmeter Regulator


**SPECIFICATIONS:**

- Brass body
- Flowmeter range-0-60 SCFH
- CGA Inlet: 580
- Minimum Inlet pressure 150 psi
- 5/8-18 RH outlets
- 1 year warranty

**PROFAX NO.**
**GAS SERVICE**

DFM1430-580

Argon & Argon/CO<sub>2</sub> Mixes

8300

1½" High Pressure Gauge

7304

Replacement Sight Tube Kit

## CO<sub>2</sub> Heated Regulator/Flow Gauge


**SPECIFICATIONS:**

- 120V AC/190 watt
- 0 - 125 CFH flow-rate

**High volume CO<sub>2</sub> Regulator Flow Gauge with built in heater.**

- Prevents regulator freeze-up
- Extends regulator/Flow Gauge life
- Eliminates porosity in welds due to loss of gas coverage

Also Available In 240V AC 50/60hz.

**PROFAX NO.**
**DESCRIPTION**
**CGA INLET**
RFG-320-H CO<sub>2</sub> Heated Regulator/Flow Gauge 320

RFG-110 Replacement 110V Element

7301 1½" Flow Gauge 0-200 CFH

7302 2" High Pressure Gauge 0-4500 PSI.

## CO<sub>2</sub> Heaters

Thermostat set at  
174° F - 205° F
**120V AC 50/60hz100 Watt**

The most ECONOMICAL Thermostatic controlled CO<sub>2</sub> Heater, designed to prevent CO<sub>2</sub> regulator Freeze-Up. Extends life of regulator/flowmeter and prevents porosity in welds from loss of shield gas in frozen regulator. Easily installed between CO<sub>2</sub> cylinder valve and flowmeter. Will heat up to 90 cubic feet per hour.

Also Available In 240V AC 50/60hz.

**PROFAX NO.**
**GAS SERVICE**
**CGA INLET**
CO<sub>2</sub> Heater CO<sub>2</sub> 320

## Flowmeters

|                           |                  |
|---------------------------|------------------|
| <b>FLOW RANGE:</b>        | 0-60 SCFH        |
| <b>INLET FITTING:</b>     | 1/4" NPT - Male  |
| <b>OUTLET FITTING:</b>    | 5/8"-18RH Female |
| <b>CALIBRATED:</b>        | @ 50 p.s.i.      |
| <b>MAX INLET PRESSURE</b> | 200 p.s.i.       |

| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>                    |
|-------------------|---------------------------------------|
| FM-060            | Flowmeter/Argon/C25                   |
| FM-060-C          | Flowmeter/CO <sub>2</sub> /C25        |
| 7304              | Replacement sight tube kit for FM-060 |



- Most popular design
- Convenient cylinder content gauge
- Easy hand tightened CGA-580 inlet for helium cylinders
- Brass body piston style regulator

**PROFAX NO.**
**GAS SERVICE**
**CGA INLET**

BR-580-HTG Helium 580

**PROFAX NO.**
**DESCRIPTION**

BR-FN Replacement flexible nipple for BR-580-HTG

## Balloon Filler Hand-Tight with Gauge CGA-580 Fitting



|                     |                          |
|---------------------|--------------------------|
| <b>DESCRIPTION:</b> | Inert gas "Y" connection |
| <b>INLET:</b>       | 5/8"-18RH Male           |
| <b>OUTLET:</b>      | (2) 5/8"-18RH Female     |

|                     |                                 |
|---------------------|---------------------------------|
| <b>DESCRIPTION:</b> | Inert gas "Y" valved connection |
| <b>INLET:</b>       | 5/8"-18RH Male                  |
| <b>OUTLET:</b>      | (2) 5/8"-18RH Female            |

|                     |                           |
|---------------------|---------------------------|
| <b>DESCRIPTION:</b> | 90° Elbow adapter fitting |
| <b>OUTLET</b>       | 5/8"-18RH Male to         |
| <b>FITTING:</b>     | 5/8"-18RH Male            |



| <b>PROFAX NO.</b> | <b>DESCRIPTION</b> |
|-------------------|--------------------|
| AW-401            | "Y" connection     |



| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>      |
|-------------------|-------------------------|
| AW-411            | "Y" connection w/valves |



| <b>PROFAX NO.</b> | <b>DESCRIPTION</b> |
|-------------------|--------------------|
| AW-409            | Elbow adapter      |



| <b>PROFAX NO.</b> | <b>DESCRIPTION</b>              |
|-------------------|---------------------------------|
| AW-427            | 1/4" NPT Male to 5/8"-18RH Male |



**PRESSURE GAUGES/CUTTING TIPS/TWIN HOSE**

**PROFAX**

## PRESSURE GAUGES

## FLOW GAUGE



7300



2 INCH PRESSURE GAUGES

2 INCH PRESSURE GAUGES



2 1/2 INCH PRESSURE GAUGES



1/8" NPT →

**NEW**



8300

1 1/2 INCH PRESSURE GAUGES

2 INCH PRESSURE GAUGES

2 1/2 INCH PRESSURE GAUGES

1 1/2 INCH FLOW GAUGE

| PROFAX NO. | DESCRIPTION                                | PROFAX NO. | DESCRIPTION          | PROFAX NO. | DESCRIPTION              | PROFAX NO. | DESCRIPTION                       |
|------------|--|------------|----------------------|------------|--------------------------|------------|-----------------------------------|
| 7300       | 1 1/2" x 4000 PSI<br>1/8" NPT Back Mount   | PG2030     | 2" x 30 PSI Red Line | PG2530     | 2 1/2" x 30 PSI Red Line | 7301       | 1 1/2" x 0-200 C.F.H.<br>1/8" NPT |
| 8300       | 1 1/2" x 4000 PSI<br>1/8" NPT Bottom Mount | PG2060     | 2" x 60 PSI          | PG2560     | 2 1/2" x 60 PSI          |            |                                   |
|            |  | PG20200    | 2" x 200 PSI         | PG25200    | 2 1/2" x 200 PSI         |            |                                   |
|            |  | PG20400    | 2" x 400 PSI         | PG25400    | 2 1/2" x 400 PSI         |            |                                   |
|            |  | PG204000   | 2" x 4000 PSI        | PG254000   | 2 1/2" x 4000 PSI        |            |                                   |

## PROFAX CUTTING TIPS

For Victor Style Cutting Torches



### ONE PIECE CUTTING TIPS



### TWO PIECE CUTTING TIPS

| ACETYLENE<br>PROFAX NO. | ACETYLENE<br>PROFAX NO. | METAL THICKNESS | NATURAL GAS/PROPANE<br>PROFAX NO. | PROPYLENE<br>PROFAX NO. | METAL THICKNESS |
|-------------------------|-------------------------|-----------------|-----------------------------------|-------------------------|-----------------|
| 000-1-101               | 000-3-101               | 1/8"            | 000-GPN                           | 000-GPP                 | 1/8"            |
| 00-1-101                | 00-3-101                | 1/4"            | 00-GPN                            | 00-GPP                  | 1/4"            |
| 0-1-101                 | 0-3-101                 | 3/8" - 1/2"     | 0-GPN                             | 0-GPP                   | 3/8" - 1/2"     |
| 1-1-101                 | 1-3-101                 | 3/4"            | 1-GPN                             | 1-GPP                   | 3/4"            |
| 2-1-101                 | 2-3-101                 | 1"              | 2-GPN                             | 2-GPP                   | 1" - 1 1/2"     |
| 3-1-101                 |                         | 2"              | 3-GPN                             | 3-GPP                   | 2" - 2 1/2"     |
| 4-1-101                 |                         | 3"              | 4-GPN                             | 4-GPP                   | 3"              |
| 5-1-101                 |                         | 4"              | 5-GPN                             | 5-GPP                   | 4"              |



# Twin Line & Single Line Hose

**PROFAK**



**HYDRAULIC CRIMPED FITTINGS**



Grade "R"

**HYDRAULIC CRIMPED FITTINGS**



Grade "R"

1/4" Single  
Line Hose

| PROFAX NO. | DESCRIPTION                         |
|------------|-------------------------------------|
| SGH-1/4    | Green 1/4" hose - 800' Reel Grade R |

| PROFAX NO. | DESCRIPTION                  |
|------------|------------------------------|
| SBH-3/16   | Black 3/16" hose - 800' Reel |
| SBH-1/4    | Black 1/4" hose - 800' Reel  |
| SBH-5/16   | Black 5/16" hose - 600' Reel |
| SBH-3/8    | Black 3/8" hose - 600' Reel  |
| SBH-1/2    | Black 1/2" hose - 600' Reel  |
| SBH-5/8    | Black 5/8" hose - 400' Reel  |

Hose reels cannot ship ups.

## TWIN HOSE

### Grade R - 1/4" Twin hose B/B fittings

| PROFAX NO. | DESCRIPTION                          |
|------------|--------------------------------------|
| TW1425R    | Green/Red 1/4" twin hose - 25'       |
| TW1450R    | Green/Red 1/4" twin hose - 50'       |
| TW14100R   | Green/Red 1/4" twin hose - 100'      |
| TW14R      | Green/Red 1/4" twin hose - 600' reel |

Grade R for use with acetylene only.

### Grade T - 1/4" Twin hose B/B fittings

| PROFAX NO. | DESCRIPTION                          |
|------------|--------------------------------------|
| TW1425T    | Green/Red 1/4" twin hose - 25'       |
| TW1450T    | Green/Red 1/4" twin hose - 50'       |
| TW14100T   | Green/Red 1/4" twin hose - 100'      |
| TW14T      | Green/Red 1/4" twin hose - 600' reel |

Grade T for use with all fuel gases.

### Grade T - 3/8" Twin hose B/B fittings

| PROFAX NO. | DESCRIPTION                     |
|------------|---------------------------------|
| TW3825T    | Green/Red 3/8" twin hose - 25'  |
| TW3850T    | Green/Red 3/8" twin hose - 50'  |
| TW38100T   | Green/Red 3/8" twin hose - 100' |

Grade T for use with all fuel gases.

Green 1/4" hose fitted with  
5/8"-18 male right hand fittings

| PROFAX NO. | DESCRIPTION            |
|------------|------------------------|
| SGR-10     | Green 1/4" hose - 10'  |
| SGR-16     | Green 1/4" hose - 16'  |
| SGR-25     | Green 1/4" hose - 25'  |
| SGR-31     | Green 1/4" hose - 31'  |
| SGR-50     | Green 1/4" hose - 50'  |
| SGR-56     | Green 1/4" hose - 56'  |
| SGR-75     | Green 1/4" hose - 75'  |
| SGR-81     | Green 1/4" hose - 81'  |
| SGR-100    | Green 1/4" hose - 100' |
| SGR-106    | Green 1/4" hose - 106' |

Green 1/4" hose fitted with  
5/8"-18 male left hand fittings

| PROFAX NO. | DESCRIPTION            |
|------------|------------------------|
| SGL-10     | Green 1/4" hose - 10'  |
| SGL-16     | Green 1/4" hose - 16'  |
| SGL-25     | Green 1/4" hose - 25'  |
| SGL-31     | Green 1/4" hose - 31'  |
| SGL-50     | Green 1/4" hose - 50'  |
| SGL-56     | Green 1/4" hose - 56'  |
| SGL-75     | Green 1/4" hose - 75'  |
| SGL-81     | Green 1/4" hose - 81'  |
| SGL-100    | Green 1/4" hose - 100' |
| SGL-106    | Green 1/4" hose - 106' |

Black 1/4" hose fitted with  
5/8"-18 male right hand fittings

| PROFAX NO. | DESCRIPTION            |
|------------|------------------------|
| SBR-10     | Black 1/4" hose - 10'  |
| SBR-16     | Black 1/4" hose - 16'  |
| SBR-25     | Black 1/4" hose - 25'  |
| SBR-31     | Black 1/4" hose - 31'  |
| SBR-50     | Black 1/4" hose - 50'  |
| SBR-56     | Black 1/4" hose - 56'  |
| SBR-75     | Black 1/4" hose - 75'  |
| SBR-81     | Black 1/4" hose - 81'  |
| SBR-100    | Black 1/4" hose - 100' |
| SBR-106    | Black 1/4" hose - 106' |

## Hose on reels



SGH



SBH



# Accessories

**PROFAX**

JL-16



\*Prevents seizing when used on contact tip, nozzle & gas diffuser threads.

| PROFAX NO. | DESCRIPTION                               |
|------------|---|
| JL-4       | Copper coat anti-seize lubricant - 4 oz.  |
| JL-8       | Copper coat anti-seize lubricant - 8 oz.  |
| JL-16      | Copper coat anti-seize lubricant - 16 oz. |

Universal flow tester



**Crimping/Cutting Tool**  
Solderless Terminals & Connectors

- Crimps non-insulated 10 to 22 AWG solderless connectors.
- Hardened wire cutter.



Tool is packaged on display card.

| PROFAX NO. | DESCRIPTION           |
|------------|-----------------------|
| CT1022     | Crimping/Cutting Tool |

**High Quality Multi-Purpose  
8 Way MIG Plier**

Versatile 8-way functions in one tool:

- 1-Spatter removal from in and outside nozzle
- 2-Spatter removal from the nozzle edge
- 3-Hammering;
- 4-Tip removal and installation
- 5-Wire cutting;
- 6-Nozzle removal and installation
- 7-Wire drawing
- 8-Bushing removal/installation.



Plier is packaged on display card.

| PROFAX NO. | DESCRIPTION     |
|------------|-----------------|
| 8WMP       | 8 Way MIG Plier |



# Chemicals

**PROFAX**



## DYE PENETRANT INSPECTION-SOLVENT CLEANER

Aerosol blend of non-chlorinated petroleum hydrocarbon solvents. Product meets ASME section V Halogen & Chloride content requirements. Solvents cleaner used for removal of red dye penetrants and developer powders. Suitable for use in pre-cleaning parts prior to application of red dye penetrant, removal of penetrant after dwell time & final cleaning after flaws have been analyzed.

| PROFAX NO. | DESCRIPTION |
|------------|-------------|
|------------|-------------|

|         |  |
|---------|--|
| CRK-CLR | Inspection Solvent Cleaner 16 oz. can (Sold only in complete cases of 12 cans) |
|---------|--|

## DYE PENETRANT INSPECTION-VISIBLE DYE PENETRANT

Aerosol red dye , solvent removable penetrant indicates surface flaws against white developer powder background. No chlorinated solvents, meets ASME section V halogen & chloride requirements.



| PROFAX NO. | DESCRIPTION |
|------------|-------------|
|------------|-------------|

|         |  |
|---------|--|
| CRK-PEN | Inspection Visible Dye Penetrant 16 oz. can (Sold only in complete cases of 12 cans) |
|---------|--|



## DYE PENETRANT INSPECTION-DEVELOPER

Aerosol solvent based non-flammable developer that sprays out white for red dye indications.

| PROFAX NO. | DESCRIPTION |
|------------|-------------|
|------------|-------------|

|         |  |
|---------|--|
| CRK-DEV | Inspection Developer 16 oz. can (Sold only in complete cases of 12 cans) |
|---------|--|

## CERAMIC ANTI-SPATTER

Designed to prevent spatter build up on welding equipment such as nozzles, tips, fixtures & jigs. Provides long lasting protection in a single coating. Dries to form a solid durable coating, ensuring that residue does not drip into weld to cause contamination or porosity. This product is silicone & halogen free.



| PROFAX NO. | DESCRIPTION |
|------------|-------------|
|------------|-------------|

|        |  |
|--------|--|
| CRM-AS | Ceramic Anti-Spatter 16 oz. can (Sold only in complete cases of 12 cans) |
|--------|--|



# PROFAX

## PRO-PIPE-WRAPS

**PROFAX**



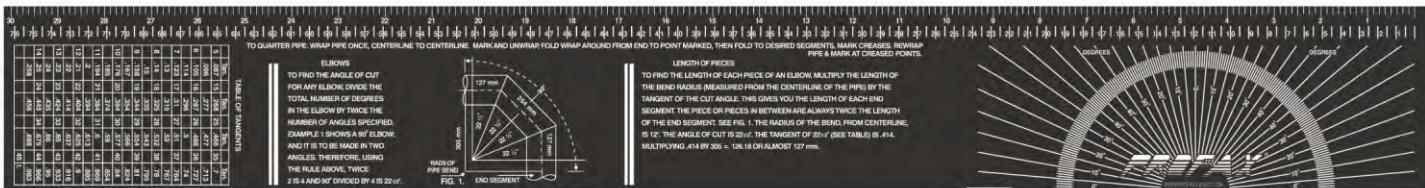
**NEW**

| PROFAX NO. | DESCRIPTION          | SIZE         | PIPE DIAMETER |
|------------|----------------------|--------------|---------------|
| PP164      | Small PRO-PIPE Wrap  | 3.9" x 47.6" | 3" - 6"       |
| PP176      | Medium PRO-PIPE Wrap | 3.9" x 71.2" | 3" - 10"      |
| PP177      | Large PRO-PIPE Wrap  | 5.0" x 83.8" | 4" - 12"      |
| PP179      | XL PRO-PIPE Wrap     | 5.0" x 108"  | 6" - 16"      |

Used for layout, marking and cutting of pipe

**All PROFAX PRO-PIPE WRAPS Include the Following:**

- Printed tape measures (standard & metric)
- Circumference and quartering scales
- Lists of actual diameters of pipe sizes
- Made from non-asbestos high density material capable of withstanding 360°F
- Straight thick edges allowing for quality accurate markings
- Resistant to oils, gasoline, kerosene & water (includes sea water)



## PROFAX PRO-PIPE FLANGE ALIGNMENT TOOL

**PART NO:  
PPFAT-1**



**NEW**

The PROFAX PRO-PIPE Flange Alignment Tool saves on fit up time and eliminates having to balance a level on fit-up pins.

- Level built in to (1) one flange pin & another in interconnecting slide bar
- Machined from hardened & Tempered carbon Steel



## Cutting and Welding Equipment QUICK REFERENCE

**PROFAX**

### Beveling & Cutting Equipment



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### Power Sources



**NEW**

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### Wire Feeders



**NEW**



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## PORTABLE CUTTING / BEVELING MACHINES

**PROFAX**

### Portable Motorized Track Gas Cutting Machine (115V)

**MODEL NO:**

**TCM-100**

#### SPECIFICATIONS:

- Reliable design with cone drive system
- Accurate straight line cutting and beveling
- Comes with two (2) interlocking one meter track sections
- Ready to mount a 1-3/8" diameter machine torch with 32 pitch rack
- Travel speed up to 32 inches per minute
- 16 foot power cable
- Shipping weight: 40 lbs.



Optional: Circle Cutting Attachment for TCM-100



**PROFAX NO: TCM-100-CC**

For Cutting 8" through 48" diameters

- Additional 1 meter track: **PROFAX NO. TCM-1M**

Portable Cutting  
Welding Machine

### Portable Motorized Track Cutting Machine



**MODEL NO:**

**TCM-200V • 115V**

230V model available (TCM-200V-2)

- Reliable design (cone & disc drive system)
- Accurate straight line cutting and beveling at every speed due to constant speed motor
- Comes with two (2) pieces of interlocking one meter track sections
- Travel speed from one (1) to sixty (60) inches per minute
- ready to mount a 1-3/8" diameter machine torch with 32 pitch rack
- Counter-balanced for extended torch reach of 20 inches from unit
- Drive controls placed on both sides for operation in either direction
- Speed indicator easily visible on top of unit
- 16 foot power cable included
- Shipping weight: 64 lbs. w/track

- Additional 1 meter track: **PROFAX NO. TCM-1V**

**MODEL NO:**

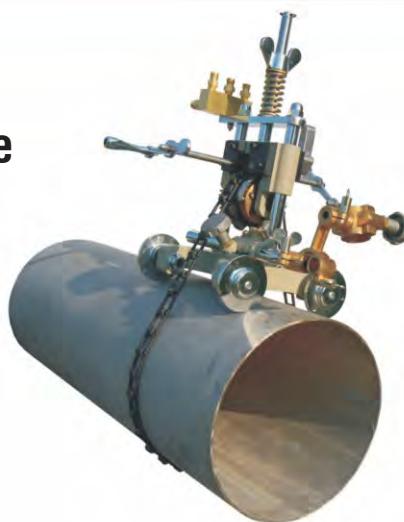
**PBM-100**

### Portable Pipe Beveling & Cutting Machine

#### SPECIFICATIONS:

- Manually operated pipe beveling & cutting machine
- Simple design allows low maintenance
- Chain system adjusts quickly to diameters from 4" to 24"
- Ready to mount a 1-3/8" diameter machine torch w/32 pitch rack
- Perfect for shop or field work
- Shipping weight: 32 lbs.

- Additional chain available 96": **PROFAX NO. PBM-96C**



**PX160****STICK/TIG WELDING  
POWER SOURCE****PROFAX****FEATURES:**

- Stick (SMAW) & Lift-Start TIG (GTAW) Welding
- Compact & lightweight design
- Carry handle & shoulder strap make unit easily portable
- Operates on either 115 or 230 Volts AC
- Thermal overload protection
- 12 ft. weld lead with Lenco electrode holder and Dinse style connector
- 10 ft. lead with Lenco ground clamp and Dinse style connector

**SPECIFICATIONS:**

- **Processes:** STICK (SMAW) or DC TIG (GTAW)
- **Input Power:** 115/230 Volts AC single phase 50/60 Hz.
- **Output Ratings:**
  - 115V/120 Amp @ 25 VDC/40% Duty Cycle
  - 230V/160 Amp @ 26.4 VDC/40% Duty Cycle
- **Welding Amperage Range:**
  - 115V/20-120 Amps
  - 230V/15-160 Amps
- **Maximum OCV:** 85
- **Net Weight:** 13.1 lbs. (6 kg)
- **Power Cord:** 10 ft. w/6-50 Plug (240V/50A)(STD.)

**CONTROL PANEL**

\*NOTE: Main power switch on back panel.

| NO. | DESCRIPTION                                  |
|-----|--|
| 1.  | Amperage adjustment control                  |
| 2.  | Stick/TIG selector button & indicator lights |
| 3.  | Thermal protection indicator light           |
| 4.  | 230V/115V Input indicator light              |
| 5.  | Negative weld output Dinse style receptacle  |
| 6.  | Positive weld output Dinse style receptacle  |

**OPTIONAL TIG PACKAGE**

Optional TIG Package (P/N: PX160-TIG KIT) Includes:

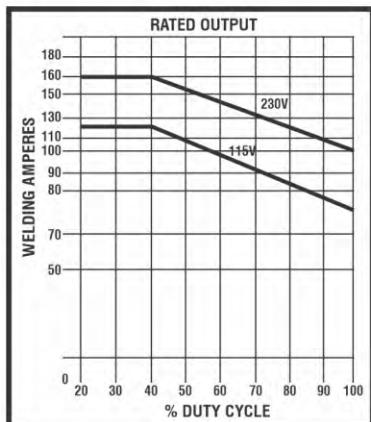
- TIG Torch 150 Amp/12.5'.....(PX17V-12R)
- Lenco Connector.....(PX-917-P160)
- Lenco Gas Hose.....(LGH-96RH)
- Flowmeter/Regulator.....(PXRF1430-580)
- TIG Accessory Kit.....(PXAK-2)

**OPTIONAL CARRY BAG  
P/N: PX160 BAG****Specifications:**

- 2 large compartments
- Black 600D material
- Heavy duty shoulder strap, handles, and zippers
- Reinforced bottom
- 14"H x 18)L x 16"W

**SPECIFICATIONS**

| RATED OUTPUT<br>(% Duty Cycle.) |                        |                        | CURRENT RANGE<br>(A) | OPEN CIRCUIT VOLTAGE<br>(Vcd) | INPUT VOLTAGE<br>(Vca)<br>±10%<br>(50/60 Hz) | INPUT AT RATED LOAD, 1 PHASE, 60 Hz |      |      | WEIGHT<br>(lb./kg.)                                   | DIMENSIONS<br>mm (in)   |
|---------------------------------|------------------------|------------------------|----------------------|-------------------------------|--|-------------------------------------|------|------|---|---|
| 40%                             | 60%                    | 100%                   |                      |                               |  | A                                   | KVA  | KW   |   |   |
| 120 A<br>@<br>25 VDC            | 98 A<br>@<br>24 VDC    | 76 A<br>@<br>23 VDC    | 20 - 120             | 68 - 85                       | 115  | 37                                  | 4.69 | 3.44 | Net:<br>13 lbs./6 kg.<br><br>Ship:<br>21 lbs./9.6 kg. | Height:<br>220 (8.6)<br>260 (10.2)<br>Including<br>handle<br><br>Width:<br>130 (5.1)<br><br>Length:<br>353 (13.9) |
| 160 A<br>@<br>26.4 VDC          | 130 A<br>@<br>25.2 VDC | 108 A<br>@<br>24.3 VDC |                      |                               | 230  | 36.5                                | 8.08 | 5.04 |   |   |

**DUTY CYCLE****3 YEAR WARRANTY**

**PX200****STICK/TIG WELDING  
POWER SOURCE****PROFAK****FEATURES:**

- Stick (SMAW) & Lift-Start TIG (GTAW) Welding
- Compact & lightweight design
- Carry handle & shoulder strap make unit easily portable
- Operates on either 115 or 230 Volts AC
- Thermal overload protection
- 12 ft. weld lead with Lenco electrode holder and Dince style connector
- 10 ft. lead with Lenco ground clamp and Dince style connector

**SPECIFICATIONS:**

- Processes: STICK (SMAW) or DC TIG (GTAW)
- Input Power: 115/230 Volts AC single phase 50/60 Hz.
- Output Ratings:
  - 115V/130 Amp @ 23 VDC/40% Duty Cycle
  - 230V/200 Amp @ 26 VDC/40% Duty Cycle
- Welding Amperage Range:
  - 115V/30-130 Amps
  - 230V/30-200 Amps
- Maximum OCV: 85
- Net Weight: 15.4 lbs. (6 kg)
- Power Cord: 10 ft. with 6-50 Plug (240V / 50A)(STD.)

**OPTIONAL TIG PACKAGE****Optional TIG Package (P/N: PX160-TIG KIT) Includes:**

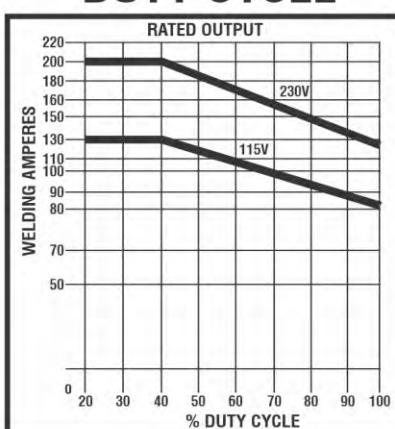
- TIG Torch 150 Amp/12.5' .....(PX17V-12R)
- Lenco Connector .....(PX-917-P160)
- Lenco Gas Hose .....(LGH-96RH)
- Flowmeter/Regulator .....(PXRF1430-580)
- TIG Accessory Kit .....(PXA-2)

**OPTIONAL CARRY BAG  
P/N: PX200 BAG****Specifications:**

- 2 large compartments
- Black 600D material
- Heavy duty shoulder strap, handles, and zippers
- Reinforced bottom
- 14"H x 22"L x 16"W

**SPECIFICATIONS**

| RATED OUTPUT<br>(% Duty Cycle.) |                        |                        | CURRENT<br>RANGE<br>(A) | OPEN<br>CIRCUIT<br>VOLTAGE<br>(VDC) | INPUT<br>VOLTAGE<br>(VDC)<br>±10%<br>(50/60 Hz) | INPUT AT RATED<br>LOAD, SINGLE<br>PHASE, 60 Hz |      |     | WEIGHT<br>lbs.<br>(kg)      | DIMENSIONS<br>mm (in)                                      |
|---------------------------------|------------------------|------------------------|-------------------------|-------------------------------------|---|--|------|-----|-----------------------------|--|
| 40%                             | 60%                    | 100%                   |                         |                                     |   | A  | KVA  | KW  |                             |  |
| 130 A<br>@<br>23.2 VDC          | 110 A<br>@<br>22.4 VDC | 85 A<br>@<br>21.4 VDC  | 30 - 130                | 65 - 85                             | 115   | 43   | 5.4  | 3.8 | Net:<br>15.4 lbs.<br>(7 kg) | Height:<br>260 (10.2)<br>Including<br>handle<br>295 (11.6) |
| 200 A<br>@<br>26 VDC            | 165 A<br>@<br>24.6 VDC | 130 A<br>@<br>23.2 VDC |                         |                                     | 230   | 48   | 10.9 | 6.7 |                             |  |

**3 YEAR WARRANTY****DUTY CYCLE**



# POWER SOURCES

## 400 Amp DC Constant Current

**PROFAX**

### FEATURES:

- Remote amperage control receptacle
- Excellent 6010 Stick electrode performance
- Control-circuit overload breaker allows quick resetting and eliminates the need to keep fuses on hand.
- High/low output terminals conveniently allows welder to choose between two different amperage ranges for improved output control.
- Two wide amperage ranges for fine adjustment allows exact control of weld amperage.
- Infinite amperage control allows precise weld output adjustment.
- Constant current

## PX400SS



### APPLICATIONS:

- Steel Erection
- Pipe Welding
- Tank/Pressure Vessel Fabrication
- Maintenance/Repair/Construction
- Shipbuilding, Refineries, and Foundries
- Chemical & Steel Manufacturing Facilities

### *Stainless Steel Model Includes:*

- All stainless steel frame and panels
- 2 coats of epoxy spray on internal components
- Silicone coating of electrical connections

| PART NO. | DESCRIPTION                 |
|----------|-----------------------------|
| PX400SS  | 400 amp DC constant current |

### PROCESSES:

- Stick (SMAW)
- Air Carbon Arc (CAC-A)
- FCAW - w/voltage sensing wire feeder

### SPECIFICATIONS:

- **Input power:** 3-Phase
- **Rated output:** 400 amps @ 36 VDC
- **Duty cycle:** 60%
- **Warranty:** 3 years parts and labor



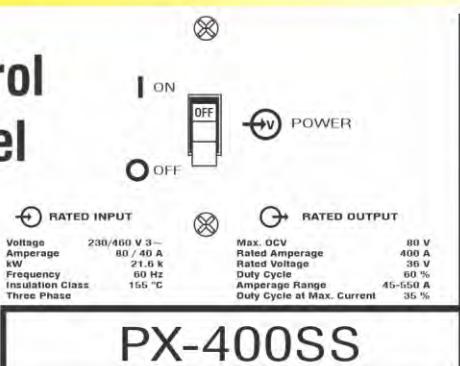
# POWER SOURCES

## 400 Amp DC Constant Current

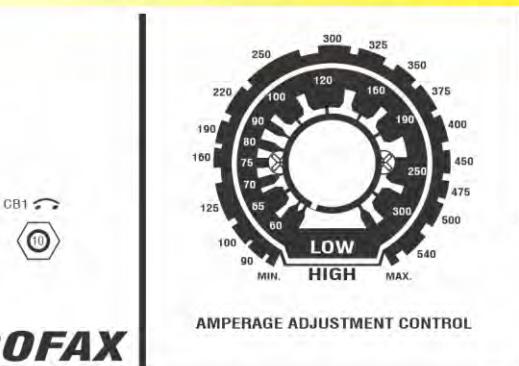
**PROFAX**

Power Sources

### Control Panel

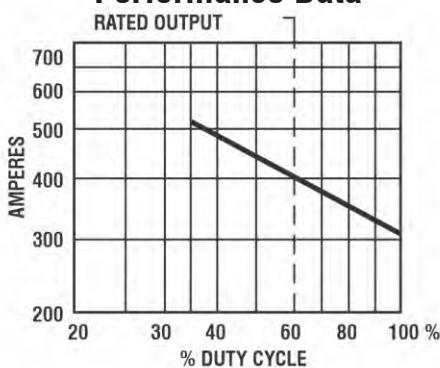


**PX-400SS**

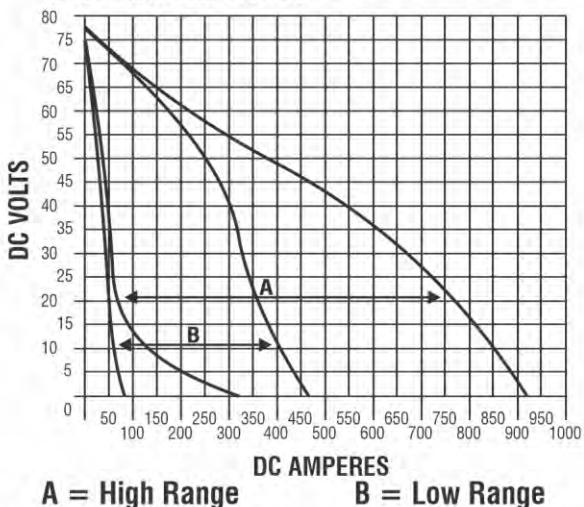


AMPERAGE ADJUSTMENT CONTROL

### Performance Data



### VOLT - AMPERE CURVES



### Compatible Wire Feeder

#### PRO-1VS

Voltage Sensing Portable  
Wire Feeder (2 Roll)



PART NO.

PXPRO-1VS

### ACCESSORIES:

- LENCO Electrode Holders, Ground Clamps, Connectors, and Terminals
- PROFAX Arc Gouging Torches
- PROFAX MIG Guns
- PROFAX Flux Cored Guns

### Remote Control MHC-3

### & Extension Cords Options



#### REMOTE CONTROLS

| PART NO.  | LENGTH  |
|-----------|---------|
| MHC-3     | No cord |
| MHC-3-1   | 1'      |
| MHC-3-25  | 25'     |
| MHC-3-50  | 50'     |
| MHC-3-100 | 100'    |

#### EXTENSION CORDS

| PART NO. | LENGTH |
|----------|--------|
| 9245     | 25'    |
| 9246     | 50'    |
| 9247     | 75'    |
| 9248     | 100'   |
| 9249     | 150'   |



# PX300CV

**PROFAX**

## 300 Amp DC Constant Voltage Power Source

**FEATURES:**

- Single control for simple weld adjustments
- Weld voltage preset for fast & easy set up
- Adjustable weld stabilizer: Fast adjustment between low & high inductance on front of machine. Use low inductance setting for mild steel & aluminum, use high setting for stainless steel.
- Analog voltage & amperage meters
- 14 pin receptacle for direct connection of 24VAC wire feeders or spool gun
- Lower panel covered for protection & safety
- 3 year warranty on parts and labor



## 3 YEAR WARRANTY

| PART NO. | DESCRIPTION                              |
|----------|--|
| PX300CV  | 300 Amp DC Constant Voltage Power Source |

**APPLICATIONS:**

- Fabrication
- Agricultural
- Automotive
- Equipment Manufacturing

**SPECIFICATIONS:**

- Input power: 3-Phase
- Rated output: 300 amps @ 32V
- Duty cycle: 100%
- Warranty: 3 years parts and labor

**PROCESSES:**

- MIG (GMAW)
- Flux Cored (FCAW)

| MODEL                      | RATED WELDING OUTPUT  | OPEN-CIRCUIT VOLTAGE RANGE DC | AMPERES INPUT AT RATED LOAD OUTPUT, 50-60 Hz, THREE PHASE |                   |
|----------------------------|---|-------------------------------|---|-------------------|
|                            |   |                               | 230V  | 460V              |
| PX 300 CV                  | 300 A @ 32 VOLTS DC<br>100% DUTY CYCLE<br>390 A @ 32 VOLTS DC<br>60% DUTY CYCLE | 14-44                         | 36<br>Amps.   | 18<br>Amps.       |
| OVERALL DIMENSIONS In (mm) |   |                               | WEIGHT Lb (Kg)  |                   |
| HEIGHT                     | WIDE  | DEPTH                         | NET   | SHIP              |
| 33"                        | 22"   | 48-1/2"                       | 273 (124)   | APPROX. 320 (145) |



# PX300CV

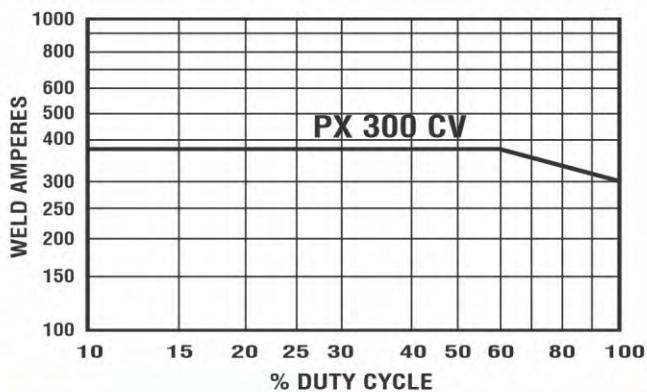
**PROFAX**



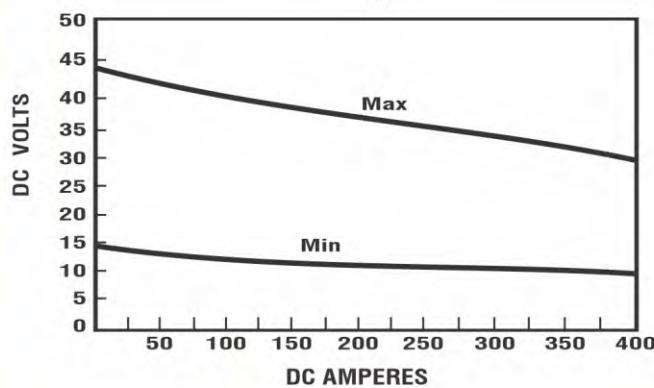
## LEGEND:

1. Power Switch
2. Pilot Light
3. Preset Indicator Light. When light is ON, the voltmeter displays preset welding voltage as selected by the Voltage Adjustment control. When light is OFF, the voltmeter displays actual welding voltage while welding.
4. Voltage Adjustment Control
5. Voltmeter
6. Ammeter
7. Positive (+) Weld Output Terminal
8. Negative (-) Weld Output Terminal-Low inductance. Use the Low Inductance terminal for most GMAW Applications.
9. Negative (-) Weld Output Terminal-High Inductance. Use the High Inductance terminal to reduce weld bead crowning, and spread the weld puddle. (Typically stainless steel)
10. Circuit Breakers
11. 14 Pin Receptacle

## Performance Data



## Volt - Amp Curve



## Running Gear Package (Optional)



## Accessories

- PROFAX 20T & 24T Wire Feeders
- PROFAX AEC 200-4DM Spool Gun
- PROFAX Full Line of MIG & Flux Cored Guns
- PROFAX Flowmeter/Regulator
- LENCO Connectors & Terminals
- LENCO Full Line of Ground Clamps

## PART NO. | DESCRIPTION

|      |   |
|------|---|
| RG-2 | Running gear with cylinder rack & leads hangers |
|------|---|



## PROFAX MIG PX300CV OPTIONS

**PROFAX**



Part #: **PX300CV**

- PX300CV Power Source Only (230V/460V)
- Purchase Other Accessories Separately

### MIG Package (2 Roll Feeder)

Part #: **PX300CV-2T**



#### Comes Complete With:

- PX300CV Power Source (230V/460V)
- PX20T Wire Feeder
- FC400 Amp MIG Gun (400Amp/15')
- RF1430-580-Flowmeter/Regulator w/10' Gas Hose
- 10 Ft. of 2/0 Feeder Weld Cable With Lugs
- 15 Ft. of 2/0 Work Cable With LENCO MIG-600-50 Clamp (600Amp)



### Portable MIG Package (2 Roll Feeder)

Part #: **PX300CV-2TRG**

#### Comes Complete With:

- PX300CV Power Source (230V/460V)
- Running Gear With Cylinder Rack and Leads Hangers (**REQUIRES INSTALLATION**)
- PX20T Wire Feeder
- FC400 Amp MIG Gun (400Amp/15')
- RF1430-580-Flowmeter/Regulator w/10' Gas Hose
- 10 Ft. of 2/0 Feeder Weld Cable With Lugs
- 15 Ft. of 2/0 Work Cable With LENCO MIG-600-50 Clamp (600Amp)



# PROFAX MIG PX300CV OPTIONS

**PROFAX**

Power Sources

## MIG Package (4 Roll Feeder)

Part #: **PX300CV-4T**



### Comes Complete With:

- PX300CV Power Source (230V/460V)
- PX24T Wire Feeder (4 Roll)
- FC400 Amp MIG Gun (400Amp/15')
- RF1430-580-Flowmeter/Regulator w/10' Gas Hose
- 10 Ft. of 2/0 Feeder Weld Cable With Lugs
- 15 Ft. of 2/0 Work Cable With LENCO MIG-600-50 Clamp (600Amp)



## Portable MIG Package (4 Roll Feeder)

Part #: **PX300CV-4TRG**

### Comes Complete With:

- PX300CV Power Source (230V/460V)
- Running Gear With Cylinder Rack and Leads Hangers (**REQUIRES INSTALLATION**)
- PX24T Wire Feeder (4 Roll)
- FC400 Amp MIG Gun (400Amp/15')
- RF1430-580-Flowmeter/Regulator w/10' Gas Hose
- 10 Ft. of 2/0 Feeder Weld Cable With Lugs
- 15 Ft. of 2/0 Work Cable With LENCO MIG-600-50 Clamp (600Amp)



## Spool Gun Package

Part #: **PX300CV-4DM**

### Comes Complete With:

- PX300CV Power Source (230V/460V)
- AEC200-4DM / 50' Spool Gun
- RF1430-580-Flowmeter/Regulator
- 30 Ft. of 1/0 Work Cable With LENCO MIG-300-50 Clamp (300 Amp)



## Portable Spool Gun Package

Part #: **PX300CV-4DMRG**

### Comes Complete With:

- PX300CV Power Source (230V/460V)
- Running Gear w/Cylinder Rack and Leads Hangers (**REQUIRES INSTALLATION**)
- AEC200-4DM / 50' Spool Gun
- RF1430-580-Flowmeter/Regulator
- 30 Ft. of 1/0 Work Cable with LENCO MIG-300-50 Clamp (300 Amp)



# PX20T/PX20MT

## 2 Roll Wire Feeders

**PROFAX**

### PX20T



Processes  
MIG (GMAW)  
Flux Cored (FCAW)  
(Gas & Self Shielded)

### PX20MT



(with meters and voltage control)

### 3 YEAR WARRANTY

| PROFAX NO.                                 | INPUT POWER      | WIRE DIAMETERS                | WIRE FEED SPEED                  | WEIGHT               | DIMENSIONS  |
|--|------------------|-------------------------------|----------------------------------|----------------------|---|
| <b>PX20T</b>                               | 24VAC<br>50/60Hz | .023 - 5/64"<br>(0.6 - 2.0mm) | 75 - 900 IPM<br>(1.9 - 23 M/MIN) | 36 lb.<br>(16.5 Kg.) | H: 14" (356mm)<br>W: 11" (280mm)<br>D: 25½" (648mm) |
| <b>PX20MT</b> (w/meters & voltage control) |                  |                               |                                  |                      |   |

#### STANDARD FEATURES: (PX20T & PX20MT)

- Trigger hold (reduces operator fatigue on longer welds).
- Two (2) gear driven rolls with Tool-Less roll change. (Uses Miller® style drive rolls).
- .035/.045" solid wire drive rolls included.
- Accepts Miller® style MIG gun connection.
- 10 ft. (3M) input cable with 14 pin Miller® style plug included.
- 10 ft. (3M)gas hose included.
- Wire jog button
- Gas purge button
- Adjustable burn back control

#### TECHNICAL DATA (PX20T & PX20MT):

- Power Source Type: Constant voltage (CV) DC.
- Weld Circuit Rating: 500A @ 100V, 100% duty cycle

#### ACCESSORIES (PX20T)

- SDT Step Down Transformer for use on 115 VAC or 42 VAC Power Sources (see page 186)

#### STANDARD FEATURES: (PX20MT only)

- Voltage and Amperage meters. NOTE; must be paired with a machine capable of providing meter reference signals.
- Power source voltage control. NOTE; must be paired with a machine with this capability.

#### PROFAX PX20MT Compatible Power Sources

Miller®:  
Deltaweld 302, 452, 652, 350 & 500 with 14 pin only  
Dimension 302, 452, 652, 650, NT450, NT500  
Invision 352MPa, 354MP, 304P, 450MPa, 456P, 456MP  
XMT-350CC/CV, 350MPa, 450CC/CV, 450MPa, 304CC/CV, 425CC/CV, 456CC/CV  
Deltafab  
Shopmate 300, 300DX  
Phoenix 456

| PROFAX NO.    | DESCRIPTION  |
|---------------|--|
| <b>PX20T</b>  | 2 Roll Wire Feeder                                   |
| <b>PX20MT</b> | 2 Roll Wire Feeder (with meters and voltage control) |



# PX20T/PX20MT

## 2 Roll Wire Feeders

**PROFAX**



### FRONT VIEW

1. MIG gun connection (Miller® Style)
2. Trigger lock switch
3. Trigger cord connection (Miller® Style)
4. Wire jog button
5. Gas purge button
6. Wire speed control
7. Voltage control (MT model only)
8. Volt & Amp meters (MT model only)

### \*\*\*NOTE\*\*\*

- Burnback control adjustment located inside feeder cabinet.



Power Sources

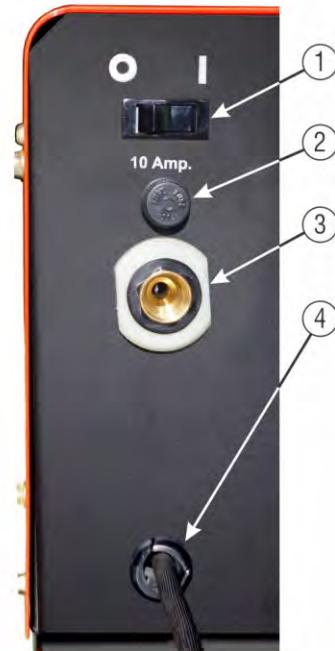
| "V" GROOVE           |            |
|----------------------|------------|
| WIRE SIZE            | DRIVE ROLL |
| .023 /.025 (0.6mm)   | PX 087130  |
| .030 (0.8mm)         | PX 053695  |
| .035 (0.9mm)         | PX 053700  |
| .040 (1.0mm)         | PX 053696  |
| .045 (1.1/1.2mm)     | PX 053697  |
| .052 (1.3/1.4mm)     | PX 053698  |
| 1/16" (1.6mm)        | PX 053699  |
| "U" GROOVE           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 072000  |
| .045 (1.1/1.2mm)     | PX 053701  |
| .052 (1.3/1.4mm)     | PX 053702  |
| 1/16" (1.6mm)        | PX 053706  |
| 5/64" (2.0mm)        | PX 053704  |
| "V" KNULED           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 132958  |
| .045 (1.1/1.2mm)     | PX 132957  |
| .052 (1.3/1.4mm)     | PX 132956  |
| 1/16" (1.6mm)        | PX 132955  |
| .068-.072(1.7/1.8mm) | PX 132959  |
| 5/64" (2.0mm)        | PX 132960  |

## Drive Rolls

(2 Required)



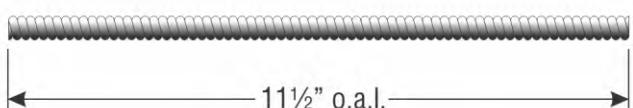
## Rear View (Both Models)



1. Power switch (On/Off)
2. Fuse holder (10 amp)
3. Gas hose connection (5/8-18 female). 10 ft.(3M) hose included.
4. 10 ft. (3M) input cable w/14 pin Miller® style plug

- "V" Groove Used for hard wires.  
 "U" Groove Used for soft-shelled cored wires and aluminum wires.  
 "V" Knurled Used for hard-shelled cored wires.

## INLET LINER



## EXTENSION CORDS



An extension cord extends the distance between equipment, allowing the equipment to be used at a further distance from the power source. The connectors will mate to each other.

| PROFAX NO. | DESCRIPTION                             | PROFAX NO. | DESCRIPTION              | APPLICATION                        |
|------------|---|------------|--------------------------|------------------------------------|
| 81003      | Inlet liner for up to 5/64"(2.0mm) wire | 242208010  | 10' 14 pin to 14 socket  |                                    |
|            |   | 242208025  | 25' 14 pin to 14 socket  |                                    |
|            |   | 242208050  | 50' 14 pin to 14 socket  |                                    |
|            |   | 242208075  | 75' 14 pin to 14 socket  |                                    |
|            |   | 242208080  | 80' 14 pin to 14 socket  | (8 Wire) Uses pins A B C D E F G H |
|            |   | 242208100  | 100' 14 pin to 14 socket |                                    |



# PX24T/PX24MT

**PROFAX**

## 4 Roll Wire Feeders

**PX24T**



Processes  
MIG (GMAW)  
Flux Cored (FCAW)  
(Gas & Self Shielded)

**PX24MT**

(with meters and voltage control)



### 3 YEAR WARRANTY

| PROFAX NO.                          | INPUT POWER      | WIRE DIAMETERS                | WIRE FEED SPEED                   | WEIGHT                 | DIMENSIONS  |
|-------------------------------------|------------------|-------------------------------|-----------------------------------|------------------------|---|
| PX24T                               | 24VAC<br>50/60Hz | .023 - 5/64"<br>(0.6 - 2.0mm) | 75 - 1000 IPM<br>(1.9 - 23 M/MIN) | 38.5 lb.<br>(17.5 Kg.) | H: 14" (356mm)<br>W: 11" (280mm)<br>D: 25½" (648mm) |
| PX24MT (w/meters & voltage control) |                  |                               |                                   |                        |   |

#### STANDARD FEATURES: (PX24T & PX24MT)

- Trigger hold (reduces operator fatigue on longer welds).
- Four (4) gear driven rolls with Tool-Less roll change. (Uses Miller® style drive rolls).
- .035/.045" solid wire drive rolls included.
- Accepts Miller® style MIG gun connection.
- 10 ft. (3M) input cable with 14 pin Miller® style plug included.
- 10 ft. (3M)gas hose included.
- Wire jog button
- Gas purge button
- Adjustable burn back control

#### TECHNICAL DATA (PX24T & PX24MT):

- Power Source Type: Constant voltage (CV) DC.
- Weld Circuit Rating: 500A @ 100V, 100% duty cycle

#### ACCESSORIES (PX24T)

- SDT Step Down Transformer for use on 115 VAC or 42 VAC Power Sources (see page 186)

#### STANDARD FEATURES: (PX24MT only)

- Voltage and Amperage meters. NOTE; must be paired with a machine capable of providing meter reference signals.
- Power source voltage control. NOTE; must be paired with a machine with this capability.

#### PROFAX PX24MT Compatible Power Sources

Miller®:

Deltaweld 302, 452, 652, 350 & 500 with 14 pin only

Dimension 302, 452, 652, 650, NT450, NT500

Invision 352MPa, 354MP, 304P, 450MPa, 456P, 456MP

XMT-350CC/CV, 350MPa, 450CC/CV, 450MPa, 304CC/CV, 425CC/CV, 456CC/CV

Deltafab

Shopmate 300, 300DX

Phoenix 456

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| PX24T      | 4 Roll Wire Feeder                                   |
| PX24MT     | 4 Roll Wire Feeder (with meters and voltage control) |



# PX24T/PX24MT

**PROFAX**

## 4 Roll Wire Feeders

Power Sources



### FRONT VIEW

1. MIG gun connection (Miller® Style)
2. Trigger lock switch
3. Trigger cord connection (Miller® Style)
4. Wire jog button
5. Gas purge button
6. Wire speed control
7. Voltage control (MT model only)
8. Volt & Amp meters (MT model only)

### \*\*\*NOTE\*\*\*

- Burnback control adjustment located inside feeder cabinet.



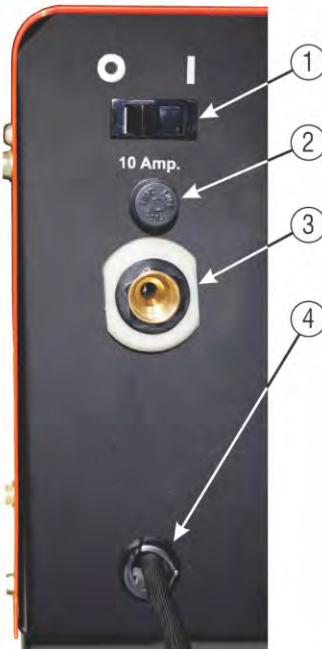
| "V" GROOVE           |            |
|----------------------|------------|
| WIRE SIZE            | DRIVE ROLL |
| .023 /.025 (0.6mm)   | PX 087130  |
| .030 (0.8mm)         | PX 053695  |
| .035 (0.9mm)         | PX 053700  |
| .040 (1.0mm)         | PX 053696  |
| .045 (1.1/1.2mm)     | PX 053697  |
| .052 (1.3/1.4mm)     | PX 053698  |
| 1/16" (1.6mm)        | PX 053699  |
| "U" GROOVE           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 072000  |
| .045 (1.1/1.2mm)     | PX 053701  |
| .052 (1.3/1.4mm)     | PX 053702  |
| 1/16" (1.6mm)        | PX 053706  |
| 5/64" (2.0mm)        | PX 053704  |
| "V" KNULED           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 132958  |
| .045 (1.1/1.2mm)     | PX 132957  |
| .052 (1.3/1.4mm)     | PX 132956  |
| 1/16" (1.6mm)        | PX 132955  |
| .068-.072(1.7/1.8mm) | PX 132959  |
| 5/64" (2.0mm)        | PX 132960  |

## Drive Rolls

(4 Required)



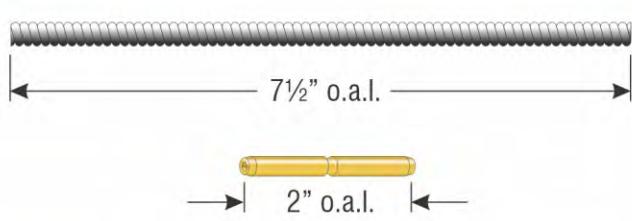
## Rear View (Both Models)



1. Power switch (On/Off)
2. Fuse holder (10 amp)
3. Gas hose connection (5/8-18 female). 10 ft.(3M) hose included.
4. 10 ft. (3M) input cable w/14 pin Miller® style plug

"V" Groove Used for hard wires.  
 "U" Groove Used for soft-shelled cored wires and aluminum wires.  
 "V" Knurled Used for hard-shelled cored wires.

## INLET LINER & INTERMEDIATE GUIDE (SET)



## EXTENSION CORDS



An extension cord extends the distance between equipment, allowing the equipment to be used at a further distance from the power source. The connectors will mate to each other.

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| 81004      | Inlet liner for up to 5/64"(2.0mm) wire & intermediate guide |

| PROFAX NO. | DESCRIPTION              | APPLICATION                        |
|------------|--------------------------|------------------------------------|
| 242208010  | 10' 14 pin to 14 socket  |                                    |
| 242208025  | 25' 14 pin to 14 socket  |                                    |
| 242208050  | 50' 14 pin to 14 socket  |                                    |
| 242208075  | 75' 14 pin to 14 socket  |                                    |
| 242208080  | 80' 14 pin to 14 socket  | (8 Wire) Uses pins A B C D E F G H |
| 242208100  | 100' 14 pin to 14 socket |                                    |



# PX PRO-1VS

Voltage Sensing Portable Wire Feeder (2 Roll)

**PROFAK**



## **APPLICATIONS:**

- Construction
- Shipbuilding
- Rental fleets
- Manufacturing



| PROFAK NO.        | INPUT POWER                                 | WIRE DIAMETERS                | WIRE FEED SPEED                      | WEIGHT             | DIMENSIONS  |
|-------------------|---|-------------------------------|--------------------------------------|--------------------|---|
| <b>PX PRO-1VS</b> | Open Circuit<br>Voltage & Arc<br>14-100V DC | .023 - 5/64"<br>(0.6 - 2.0mm) | 60 - 800 IPM<br>(1.52 - 20.32 M/MIN) | 37 lb.<br>(17 Kg.) | H: 17" (432mm)<br>W: 8½" (216mm)<br>D: 21½" (546mm) |

## **STANDARD FEATURES:**

- Trigger hold (reduces operator fatigue on longer welds).
- Two (2) gear driven rolls with Tool-Less roll change. (Uses Miller® style drive rolls).
- .035/.045 solid wire drive rolls included.
- Accepts Miller® style gun connection.
- Digital LED meters
- Top meter can show amperage or wire feed speed.
- CC/CV mode selector switch
- High/Low wire feed speed selector switch
- Wire jog button
- Gas purge button
- Resettable circuit breaker
- 15' Sensor lead with disconnect & Lenco MG-180 clamp
- 3' of 3/0 AWG input cable w/Lenco LC-40HD male connector
- High impact latching case with folding handle & removable legs

## **TECHNICAL DATA:**

- Power Source Type: CC or CV (DC)
- Weld Circuit Rating: 400A @ 60% duty cycle
- Input Power: Open Circuit Voltage & Arc Voltage
- Spool Capacity: Max. 12"

Processes  
MIG (GMAW)  
Flux Cored (FCAW)  
(Gas & Self Shielded)

**3 YEAR WARRANTY**

| PROFAK NO.        | DESCRIPTION                                   |
|-------------------|---|
| <b>PX PRO-1VS</b> | Voltage sensing portable wire feeder (2 roll) |

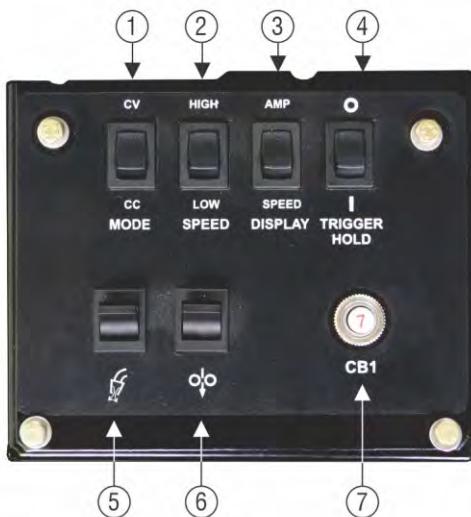


# PX PRO-1VS

Voltage Sensing Portable Wire Feeder (2 Roll)

**PROFAX**

## Control Panel



1. CV/CC Mode selector switch
2. High/Low Wire feed speed selector switch
3. Amp/Wire feed speed meter selector switch
4. Trigger hold switch (on/off)
5. Gas purge button
6. Wire jog button
7. Circuit breaker (resettable)

## Front View



Power Sources

## Rear View



## Drive Rolls (2 Required)



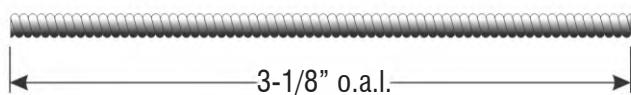
| "V" GROOVE           |            |
|----------------------|------------|
| WIRE SIZE            | DRIVE ROLL |
| .023 /.025 (0.6mm)   | PX 087130  |
| .030 (0.8mm)         | PX 053695  |
| .035 (0.9mm)         | PX 053700  |
| .040 (1.0mm)         | PX 053696  |
| .045 (1.1/1.2mm)     | PX 053697  |
| .052 (1.3/1.4mm)     | PX 053698  |
| 1/16" (1.6mm)        | PX 053699  |
| "U" GROOVE           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 072000  |
| .045 (1.1/1.2mm)     | PX 053701  |
| .052 (1.3/1.4mm)     | PX 053702  |
| 1/16" (1.6mm)        | PX 053706  |
| 5/64" (2.0mm)        | PX 053704  |
| "V" KNULED           |            |
| WIRE SIZE            | DRIVE ROLL |
| .035 (0.9mm)         | PX 132958  |
| .045 (1.1/1.2mm)     | PX 132957  |
| .052 (1.3/1.4mm)     | PX 132956  |
| 1/16" (1.6mm)        | PX 132955  |
| .068-.072(1.7/1.8mm) | PX 132959  |
| 5/64" (2.0mm)        | PX 132960  |

"V" Groove Used for hard wires.

"U" Groove Used for soft-shelled cored wires and aluminum wires.

"V" Knurled Used for hard-shelled cored wires.

## Inlet Liner



| PROFAX NO. | DESCRIPTION                             |
|------------|---|
| 81005      | Inlet liner for up to 5/64"(2.0mm) wire |

**SDT****Step Down Transformer****PROFAX**

Step down transformer suitable for connecting 24 volt AC wire feeders to power sources with either 115 volt AC or 42 volt AC output. Adapter cord required. (Please see below) Direct connect cords available for many popular power sources.

| PART NO. | DESCRIPTION                             |
|----------|---|
| SDT      | Step Down Transformer 115V & 42V to 24V |

### Adapter Cords

| PROFAX NO. | DESCRIPTION   | PROFAX NO. | DESCRIPTION   |
|------------|---|------------|---|
| SDC-1      | Cord, SDT, Universal, Bare Wire, 4 ft.              | SDC-6      | Cord, SDT, L-Tec® 7P Plug, 115V, 4 ft.                  |
| SDC-2      | Cord, SDT, Lincoln® Terminal Strip, 115V, 4 ft.     | SDC-7      | Cord, SDT, Airco® Hubbell & 115V Plug, 115V, 4 ft.      |
| SDC-3      | Cord, SDT, Lincoln® 14P, 42V, 4 ft.                 | SDC-8      | Cord, SDT, ESAB® & L-Tec® 19P Plug, 115V, 4 ft.         |
| SDC-4      | Cord, SDT, Miller® Hubbell, 115V, 4 ft.             | SDC-9      | Cord, SDT, Thermal Arc® & Hobart® 19P Plug, 115V, 4 ft. |
| SDC-5      | Cord, SDT, Hobart® 5P Plug & 115V Plug, 115V, 4 ft. |            |   |

### Regulator/Flowmeter

#### SPECIFICATIONS:

- Brass body
- Preset @ 30 psi
- Flow meter range - 0-60 scfh
- Economical design



### High Quality Multi-Purpose 8 Way Mig Plier

Plier is packaged on display card.

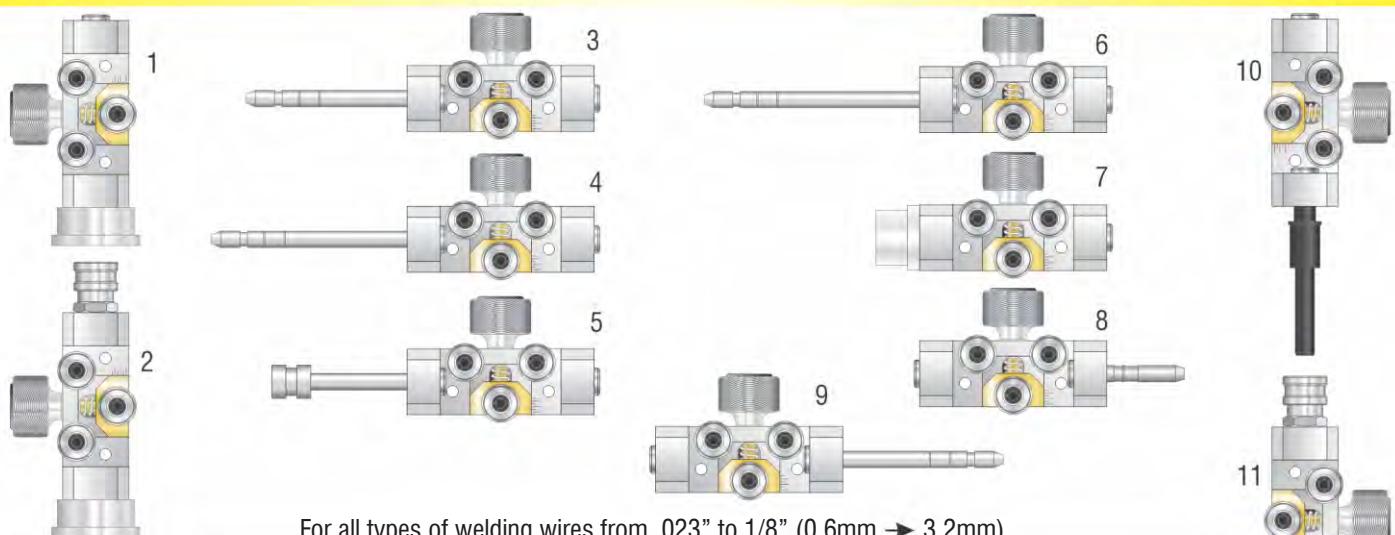


| PROFAX NO. | GAS SERVICE                         | CGA INLET | PROFAX NO. | DESCRIPTION     |
|------------|-------------------------------------|-----------|------------|-----------------|
| RF1430-580 | Argon & Argon/CO <sub>2</sub> Mixes | 580       | 8WMP       | 8 Way MIG Plier |
| RF1430-320 | CO <sub>2</sub>                     | 320       |            |                 |



## STANDARD DUTY WIRE STRAIGHTENER

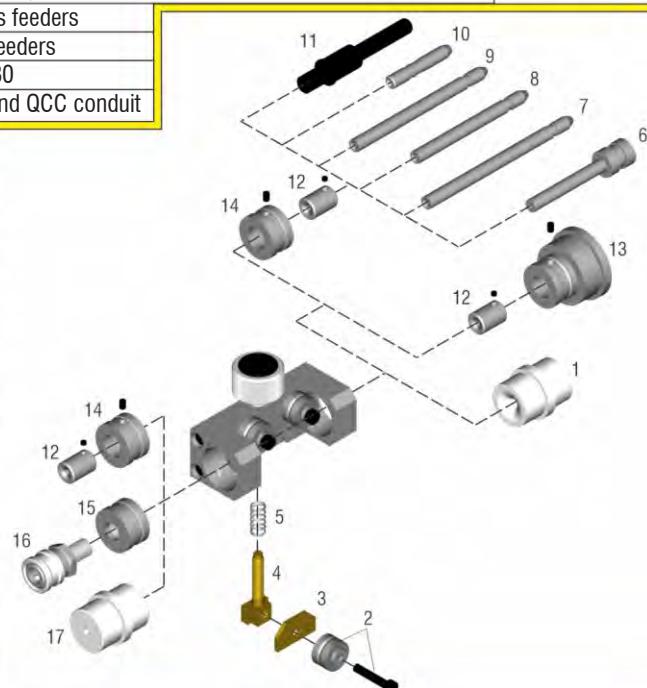
**PROFAX**



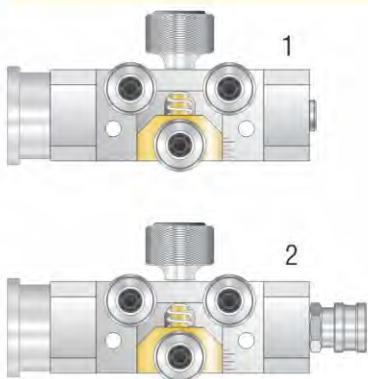
For all types of welding wires from .023" to 1/8" (0.6mm → 3.2mm)

| ITEM | PROFAX NO. | DESCRIPTION   |
|------|------------|---|
| 1    | WS-LSA     | Lincoln® straightener, complete for Subarc heads (NA-3, NA-4, NA-5, LT-7, and Power Feed 10A)           |
| 2    | WS-LSAQ    | Lincoln® straightener, complete for Subarc heads and QCC conduit (NA-3, NA-4, NA-5, and Power Feed 10A) |
| 3    | WS-LN7     | Lincoln® straightener, complete for LN-7 feeders  |
| 4    | WS-LN7GMA  | Lincoln® straightener, complete for LN-7GMA feeders   |
| 5    | WS-LN89    | Lincoln® straightener, complete for LN-8 and LN-9 feeders   |
| 6    | WS-LN9GMA  | Lincoln® straightener, complete for LN-9GMA feeders   |
| 7    | WS-LN10    | Lincoln® straightener, complete for DH-10, LN-10, STT-10, Power Feed 10 and Power Feed 10M              |
| 8    | WS-M       | Miller® straightener, complete for all 10, 30, & 50 series feeders                                      |
| 9    | WS-M-67    | Miller® straightener, complete for all 60 and 70 series feeders   |
| 10   | WS-MR      | Miller® straightener, complete for RAD 400 and RAD 780  |
| 11   | WS-MRQ     | Miller® straightener, complete for RAD 400, RAD 780 and QCC conduit                                     |

| ITEM | PROFAX NO. | DESCRIPTION   |
|------|------------|---|
| 1    | A-1946     | Guide, Lincoln® DH-10, LN-10, & STT-10<br>(Also, can be used to couple two straighteners) |
| 2    | A-1986     | Kit, roll (3 required)  |
| 3    | A-1951     | Plate, slide  |
| 4    | A-1950     | Slide   |
| 5    | A-1952     | Spring  |
| 6    | 7290       | Guide Lincoln® LN-8 & LN-9  |
| 7    | 7291       | Guide Lincoln® LN-9-GMA   |
| 8    | 7292       | Guide Lincoln® LN-7/Miller® 60 and 70 series feeders                                      |
| 9    | 7293       | Guide Lincoln® LN-7-GMA   |
| 10   | 150996     | Guide Miller® for all 10, 30, and 50 series feeders                                       |
| 11   | 7296       | Guide Miller® RAD 400 & RAD 780   |
| 12   | 045233     | Insert antiwear   |
| 13   | 7279       | Bushing, Lincoln® Subarc  |
| 14   | 7083       | Bushing, standard   |
| 15   | 7289       | Bushing, 1/2" - 20  |
| 16   | QCM-1/2-20 | Fitting, conduit quick connect - used with 7289 bushing                                   |
| 17   | 7297       | Guide outlet wire straightener WS-R   |



## HEAVY DUTY WIRE STRAIGHTENER



For 5/64" - 3/16" wire.

| ITEM | PROFAX NO. | DESCRIPTION   |
|------|------------|---|
| 1    | WS-LSA-HD  | Lincoln® straightener, complete for Subarc heads (NA-3, NA-4, NA-5, LT-7, and Power Feed 10A)           |
| 2    | WS-LSAQ-HD | Lincoln® straightener, complete for Subarc heads and QCC conduit (NA-3, NA-4, NA-5, and Power Feed 10A) |



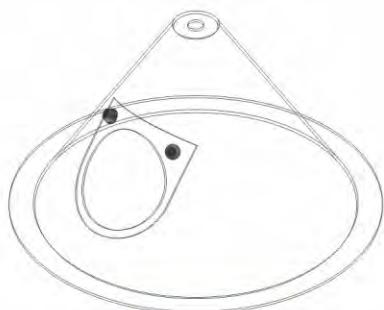
# QCC CONDUIT / QCC-HD (Heavy Duty) CONDUIT

**PROFAX**



**GET YOUR  
WELDING  
WIRE  
TO THE  
FEEDER...  
FAST AND EASY**

Best suited for applications where constant flexing is required. The QCC series of Conduits are ideal for use on automatic and semi automatic systems, such as Manipulators, Gantry, Seam Trackers, and Robotic installations.



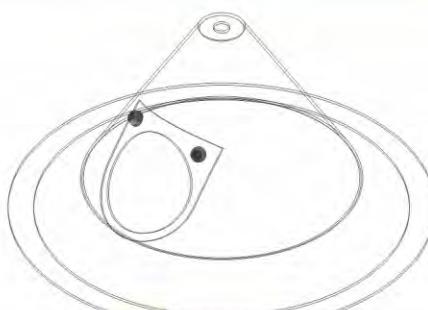
## DOME - 20

Installs on 20" (50.8cm) diameter payoff drum.



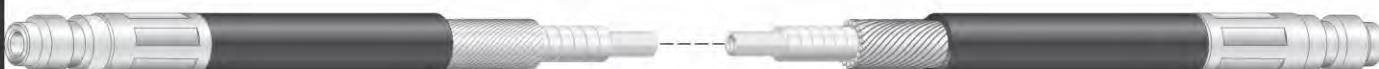
## DOME CONNECTOR KIT

Quick Connector accepts QCC and QCCHD Conduits. Designed for easy installation on DOMES. Comes complete with Quick Connector, washers, and wear resistant steel inlet guide.



## DOME - 23

Installs on 23" (58.4cm) diameter payoff drum.



## CONNECTORS FOR QCC & QCC HD CONDUITS



## QCA ADAPTER KIT

Quick Connector with inlet guide and mounting bushings. The QCA Adapter Kit is suitable for most MIG wire feeders and mounts easily in place of the manufacturer's inlet guide. Various inlet sizes can be accommodated with the bushings supplied. The QCA Adapter Kit is also suitable for wire pay-off systems that have a thru hole and a retaining screw.



### QCB CONNECTOR

Quick Connector with 1/2"-20 male threads, washers, and nut.



### QCF CONNECTOR

Quick Connector with 1/4" NPT female threads.



### QCF-1/2 CONNECTOR

Quick Connector with 1/2"-20 female threads.



### QCM CONNECTOR

Quick Connector with 1/4" NPT male threads.



### QCM-1/2 CONNECTOR

Quick Connector with 1/2" NPT male threads.



### QCM-1/2-20 CONNECTOR

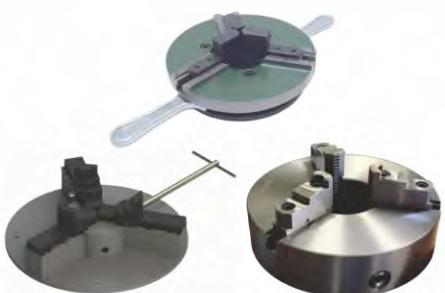
Quick Connector with 1/2"-20 male threads.



# Positioning Equipment QUICK REFERENCE

**PROFAX**

## Welding Positioners & Chucks 250# thru 10,000#



PAGE(S)

Power Sources

190 - 195

## Turning Rolls 2,000# thru 240,000#



196 - 198

## Torch Stands & Welding Manipulators



199 - 200

## Welding Slides Manual & Motorized



201 - 203

## Oscillators



204 - 205



## WELDING POSITIONER

**PROFAX**



Welding  
Positioner

(Foot Control CFS-302)

### MODEL NO:

**WP-250 • 115V**

230V model available (WP-250-2)

### FEATURES:

- 0 to 5.5 RPM Rotation Speed
- 13-3/4" Diameter Table
- Manual Tilt Adjustment
- 0 to 90° Tilting Angle
- High Frequency Protected
- Foot Control w/12' Cord Included
- 115V
- Shipping Weight 113 lbs.
- 1 Year Warranty

Designed for rotation of lighter work pieces. Will hold 440 lbs. in the horizontal position and 250 lbs. in the vertical position.

Note: C/G of load not to be more than 4" from the center of the turntable and 4" from the face of the turntable.

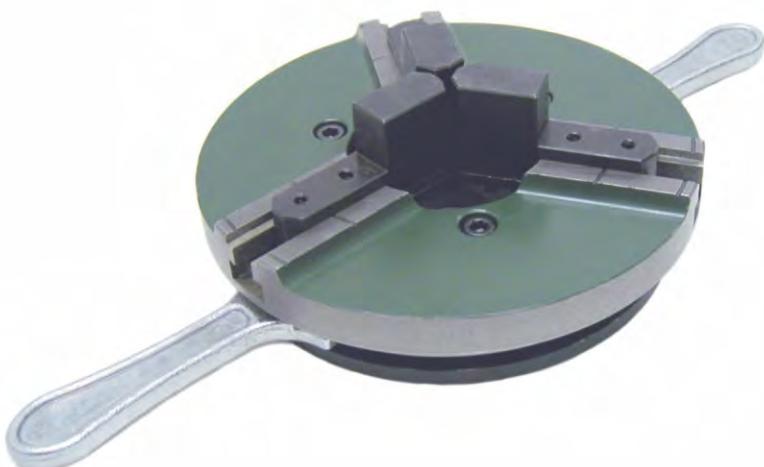
See page 195 for complete specifications.

### FEATURES:

- Low Profile
- Self Centering
- Reversible Jaws
- Easy Mounting
- External & Internal Gripping
  - 0" - 8" on O.D.
  - 3" - 11" on I.D.
- Shipping Weight 20 lbs.

### MODEL NO:

**WPC-11**



The above illustration shows the chuck mounted to the PROFAX Welding Positioner WP-250.



## WELDING POSITIONERS

**PROFAX**



(Foot Control CFS-404)

### MODEL NO:

**WP-500 • 115V**

230V model available (WP-500-2)

### FEATURES:

- 0.4 - 4 RPM Rotation Speed
- 19-5/8" Diameter Table
- Power Tilt Adjustment
- 0 to 135° Tilting Angle
- Fwd./Rev. Foot Control w/12' Cord Included
- High Frequency Protected
- 115V
- Shipping Weight 580 lbs.
- 1 Year Warranty

Welding  
Positioner

Will hold 500 lbs. in the vertical position and 900 lbs. in the horizontal position. Note: C/G of load not to be more than 6" from the center of the turntable and 6" from the face of the turntable.

See page 195 for complete specifications.

### MODEL NO:

**WP-1000 • 115V**

230V model available (WP-1000-2)

Will hold 1,000 lbs. in the vertical position and 1,750 lbs. in the horizontal position. Note: C/G of load not to be more than 6" from the center of the turntable and 6" from the face of the turntable.



(Foot Control CFS-404)

See page 195 for complete specifications.



## WELDING POSITIONERS

**PROFAX**

### MODEL NO:

**WP-2000-4 • (440V 3PH)**

220V model available (WP-2000-2)

Welding  
Positioner

### FEATURES:

- 0.1 to 1.2 RPM Rotation Speed
- 35-1/2" Diameter Table
- 0 to 135° Tilting Angle
- Standard Hand Control Pendant 25 foot
- High Frequency Protected
- 440V 3 Phase
- Approx. Shipping Weight 1,640 lbs.
- 1 Year Warranty



## 2000 lb. Welding Positioner

Will hold 2,000 lbs. in the vertical position and 3,500 lbs. in the horizontal position. Note: C/G of load not to be more than 12" from the center of the turntable and 12" from the face of the turntable.

See page 195 for complete specifications.

\*Optional foot control available

### MODEL NO:

**WP-6000-4 • (440V 3PH)**



### FEATURES:

- 0.1 to 1.2 RPM Rotation Speed
- 47-1/4" Diameter Table
- 0 to 135° Tilting Angle
- Standard Hand Control Pendant 25 foot
- High Frequency Protected
- 440V 3 Phase Model
- Approx. Shipping Weight 2,725 lbs.
- 1 Year Warranty

## 6000 lb. Welding Positioner

Will hold 6,000 lbs. in the vertical position and 9,500 lbs. in the horizontal position. Note: C/G of load not to be more than 12" from the center of the turntable and 12" from the face of the turntable.

See page 195 for complete specifications.

\*Optional foot control available



## WELDING POSITIONERS & FLOOR TURNTABLE

**PROFAX**

**MODEL NO:**

**WP-10000-4 • (440V 3PH)**



Front View

Rear View



### FEATURES:

- .06 to .6 RPM Rotation Speed
- 59" Diameter Table
- 0 to 135° Tilting Angle
- Standard Hand Control Pendant 25 foot
- High Frequency Protected
- 440V 3 Phase
- Approx. Shipping Weight 6,200 lbs.
- 1 Year Warranty

## 10,000 lb. Welding Positioner

Will hold 10,000 lbs. in the vertical position. Note: C/G of load not to be more than 12" from the center of the turntable and 12" from the face of the turntable.

See page 195 for complete specifications.

Welding  
Positioner

**MODEL NO:**

**FT-20000 • (440V 3PH)**



**20,000 lb.  
Floor Turntable**

### FEATURES:

- 20,000 lbs. Capacity
- 0.1 to 1.0 RPM Rotation Speed
- 65" Diameter Table
- 19-1/2" Table Height
- Standard Hand Control Pendant 25 foot
- High Frequency Protected
- Approx. Shipping Weight 2,800 lbs.
- 800 Amp Rotary Ground
- 2 H.P. Rotational Motor
- 1 Year Warranty



## WELDING POSITIONER CHUCKS

**PROFAX**

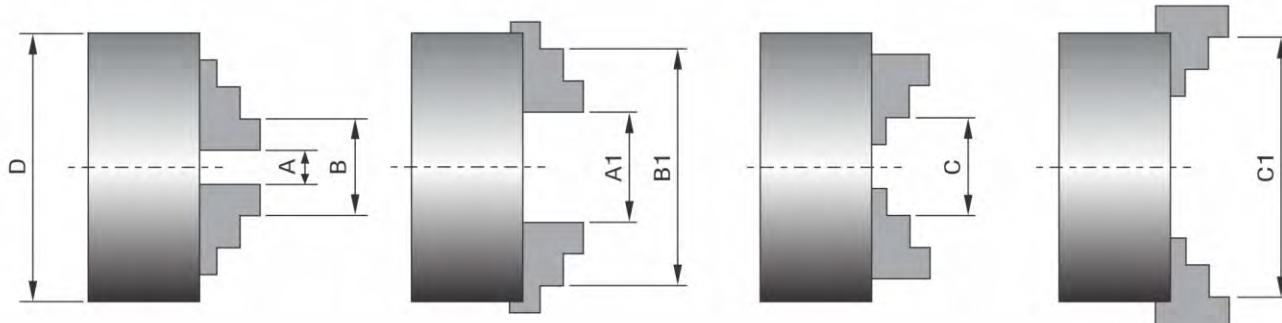
### FEATURES:

- 3 Jaw Self Centering
- Reversible Jaws
- Easy Mounting



\* T-Handle wrench included with chucks

Welding  
Positioner



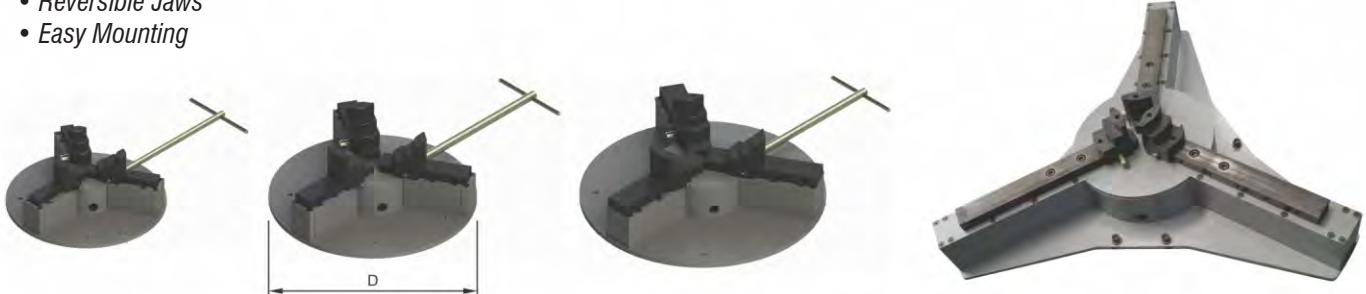
## COMPLETE POSITIONER CHUCK SPECIFICATIONS

| PROFAX NO. | DIAMETER<br>D | CLAMPING<br>RANGE<br>A - A1 | I.D.<br>RANGE<br>B - B1 | EXTERNAL JAW<br>CLAMPING RANGE<br>C - C1 | WEIGHT   | USED ON PROFAX<br>POSITIONERS |
|------------|---------------|-----------------------------|-------------------------|--|----------|-------------------------------|
| WPC-6      | 6-1/4"        | 1/8" - 2-1/8"               | 2" - 6-1/4"             | 2-1/4" - 5-5/8"                          | 20 LBS.  | WP-250                        |
| WPC-12     | 12-1/2"       | 1/2" - 5-1/2"               | 3-3/4" - 12-3/8"        | 3-7/8" - 12-3/8"                         | 104 LBS. | WP-500 / WP-1000              |
| WPC-16     | 15-3/4"       | 5/8" - 8-1/4"               | 4-3/4" - 15-3/4"        | 4-3/4" - 15-3/4"                         | 166 LBS. | WP-500 / WP-1000 / WP-2000    |
| WPC-20     | 19-5/8"       | 1" - 11"                    | 5-7/8" - 19-5/8"        | 5-7/8" - 19-5/8"                         | 258 LBS. | WP-1000 / WP-2000 / WP-6000   |
| WPC-25     | 24-3/4"       | 2" - 13-3/4"                | 6-5/8" - 24-3/4"        | 6-5/8" - 24-3/4"                         | 460 LBS. | WP-2000 / WP-6000             |

### FEATURES:

- Self Centering
- Reversible Jaws
- Easy Mounting

## WELDING POSITIONER GRIPPERS



\*Note: Outboard support(s) required when using welding positioner grippers.

| PROFAX NO. | (D) DIAMETER | O.D. CAPACITY | I.D. CAPACITY | WEIGHT     | USED ON PROFAX POSITIONERS           |
|------------|--------------|---------------|---------------|------------|--------------------------------------|
| WPG-22     | 19 3/4"      | 1" - 15"      | 4" - 22"      | 130 LBS.   | WP-500 / WP-1000 / WP-2000 / WP-6000 |
| WPG-26     | 24 3/4"      | 1 1/2" - 18"  | 6" - 26"      | 235 LBS.   | WP-1000 / WP-2000 / WP-6000          |
| WPG-34     | 30 1/4"      | 2" - 26"      | 6" - 34"      | 365 LBS.   | WP-2000 / WP-6000                    |
| WPG-64     | 65"          | 4" - 62"      | 8" - 64"      | 1,135 LBS. | WP-10000                             |



# COMPLETE POSITIONER SPECIFICATIONS

| SPECIFICATIONS                 | WP-250     | WP-500       | WP-1000         | WP-2000            | WP-6000        | WP-10000    |
|--------------------------------|------------|--------------|-----------------|--------------------|----------------|-------------|
| CAPACITY VERTICAL              | 250 LBS.   | 500 LBS.     | 1,000 LBS.      | 2,000 LBS.         | 6,000 LBS.     | 10,000 LBS. |
| CAPACITY HORIZONTAL            | 440 LBS.   | 900 LBS.     | 1,750 LBS.      | 3,500 LBS.         | 9,500 LBS.     | 10,000 LBS. |
| LOAD CENTER OF GRAVITY         | 4"         | 6"           | 6"              | 12"                | 12"            | 12"         |
| TILT                           | MANUAL     | POWER        | POWER           | POWER              | POWER          | POWER       |
| TILT ANGLE (DEGREES)           | 0 - 90     | 0 - 135      | 0 - 135         | 0 - 135            | 0-135          | 0-135       |
| TILT ANGLE INDICATOR           | N/A        | N/A          | N/A             | STANDARD           | STANDARD       | STANDARD    |
| GROUND CAPACITY                | 300 AMPS   | 500 AMPS     | 500 AMPS        | 800 AMPS           | 800 AMPS       | 800 AMPS    |
| GROUNDING DEVICE               | BRASS      | BRASS        | BRASS           | ROTARY             | ROTARY         | ROTARY      |
| HIGH FREQ. PROTECTION          | YES        | YES          | YES             | YES                | YES            | YES         |
| VOLT / AC                      | 115 or 230 | 115 or 230   | 115 or 230      | 220 or 440 (3 PH.) | 440 (3 PH.)    | 440 (3PH.)  |
| POWER REQ.                     | 5 AMP      | 10 AMP       | 10 AMP          | 10 AMP             | 10 AMP         | 20 AMP      |
| TABLE THICKNESS                | 9/16"      | 7/8"         | 1"              | 1"                 | 1"             | 1-3/8"      |
| TABLE DIAMETER                 | 13-3/4"    | 19-5/8"      | 24-1/2"         | 35-1/2"            | 47-1/4"        | 59"         |
| TABLE CONFIGURATION            | 3 - SLOT   | 3 & 4 - SLOT | 3 & 4 - SLOT    | 3 & 4 - SLOT       | 3 & 4 SLOT     | 3 & 4 SLOT  |
| OPTIONAL CHUCKS                | WPC-6 & 11 | WPC-12 & 16  | WPC-12,16, & 20 | WPC-16,20, & 25    | WPC-20 & 25    | ---         |
| OPTIONAL GRIPPERS              | -          | WPG-22       | WPG-22 & 26     | WPG-22, 26 & 34    | WPG-22,26 & 34 | WPG-64      |
| TABLE HEIGHT (HORIZONTAL)      | 13-7/32"   | 25-1/4"      | 33-11/16"       | 35-7/8"            | 43"            | 49"         |
| TABLE CENTER HEIGHT (VERTICAL) | 10-3/64"   | 21-1/4"      | 29"             | 30-3/4"            | 36-1/2"        | 39-1/2"     |
| THROUGH HOLE                   | 1-1/8"     | N/A          | N/A             | N/A                | N/A            | N/A         |
| TABLE R.P.M.                   | 0 - 5.5    | 0.4 - 4      | 0.2 - 2         | 0.1 - 1.2          | 0.1 - 1.2      | .06 - .6    |
| ROTATION MOTOR H.P.            | 1/8 H.P.   | 1/6 H.P.     | 1/4 H.P.        | 1 H.P.             | 2 H.P.         | 3-1/3 H.P.  |
| VARIABLE SPEED ROTATION        | ON PANEL   | ON PANEL     | ON PANEL        | ON PENDANT         | ON PENDANT     | ON PENDANT  |
| FOOT CONTROL                   | SINGLE     | FWD./REV.    | FWD./REV.       | OPTIONAL           | OPTIONAL       | OPTIONAL    |
| HAND PENDANT                   | OPTIONAL   | OPTIONAL     | OPTIONAL        | STANDARD           | STANDARD       | STANDARD    |
| ANCHOR POINTS                  | 4          | 4            | 6               | 6                  | 6              | 6           |
| LEVELING BOLTS                 | N/A        | INCLUDED     | INCLUDED        | INCLUDED           | INCLUDED       | INCLUDED    |
| UNIT WIDTH                     | 12-1/2"    | 26"          | 32-1/4"         | 36"                | 47-1/4"        | 67"         |
| UNIT LENGTH                    | 21"        | 33-7/8"      | 48-1/2"         | 61-1/2"            | 72"            | 92"         |
| SHIPPING WEIGHT (APPROX.)      | 113 LBS.   | 580 LBS.     | 1,200 LBS.      | 1,640 LBS.         | 2,725 LBS.     | 6,000 LBS.  |

## OPTIONAL HAND & FOOT CONTROLS FOR PROFAX POSITIONING EQUIPMENT

- **VFC-250:** Single pedal **VARIABLE SPEED** foot control. (Directional change must be done on control panel) (Modifications to machine must be made. Factory installation recommended) **For:** WP-250/WP-500/WP-1000/TR-2000/TR-5000
- **HP-ROF:** Hand control pendant **ON/OFF**. **For:** WP-250/TR-2000 (**Note\*\*\*:** Rotation direction change and speed control adjustments must be made on control panel of these units)
- **HP-ROF:** Hand control pendant for **REVERSE/OFF/FORWARD** operation. (Speed changes must be done on control panel) (No modifications required on machine) **For:** WP-500/WP-1000/TR-5000
- **HP-ROF/S:** Hand control pendant for **REVERSE/OFF/FORWARD** operation and speed **SPEED CONTROL**. (Modifications to machine must be made. Factory installation recommended) **For:** WP-250/WP-500/WP-1000/TR-2000/TR-5000
- **CFS-404:** Dual foot control **ON/OFF** or **FORWARD/REVERSE** operation. (Speed control must be done on control panel) (Modifications to machine must be made. Factory installation recommended) **For:** TR-10000/TR-20000/TR-40000/TR-60000 & WP-2000/WP-6000/WP-10000

\*\*\*Note: Additional labor charges apply to factory installation of above items.



## TURNING ROLLS

**PROFAX**

### MODEL NO:

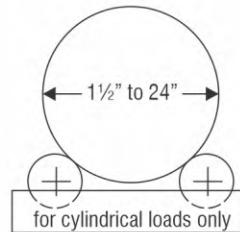
**TR-2000 • 115V**

230V model available (TR-2000-2)



### FEATURES:

- Includes One Drive and One Idler
- 1-1/2" to 24" Diameter
- 0-75 IPM Rotation Speed
- 2" x 10" Rubber Wheels
- Adjustable Drive Tension
- Foot Control w/12' Cord Included
- High Frequency Protected
- 115V Input Power / 5 Amp
- Shipping Weight 146 lbs.
- 1 Year Warranty



Turning Rolls



Maximum load capacity 2,000 lbs. (set)

(1,000 lbs. max for each the drive and idler)

\*Maximum rotational capacity 3,000 lbs. with additional idlers.

\*Note: Additional idler rolls available **PROFAX NO: IR-1000**

### MODEL NO:

**TR-5000 • 115V**

230V model available (TR-5000-2)

### FEATURES:

- Includes One Drive and One Idler
- 4" - 60" Diameter
- 0-100 IPM Rotation Speed
- 3" x 10" Polyurethane Wheels
- Easy Wheel Spacing Adjustment
- Fwd./Rev. Foot Control w/12' Cord Included
- High Frequency Protected
- 115V Input Power / 10 Amp
- Shipping Weight 430 lbs.
- 1 Year Warranty

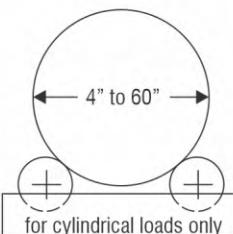


Maximum load capacity 5,000 lbs. (set)

(2,500 lbs. max for each the drive and idler)

\*Maximum rotational capacity 7,500 lbs. with additional idlers.

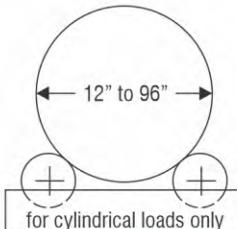
\*Note: Additional idler rolls available **PROFAX NO: IR-2500**





## TURNING ROLLS

**PROFAX**



### 5-Ton Turning Roll Set

\*Note: Additional idler rolls available **PROFAX NO: IR-5000**

#### MODEL NO:

**TR-10000 • 115V**

230V model available (TR-10000-2)

#### FEATURES:

- 5-Ton Capacity (1 Drive / 1 Idler Max. 2½ Ton Each)
- 7½ Ton Rotating Capacity w/Additional Idler(s)
- 12" to 96" Diameter Capacity
- 0-45 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 4" x 12" Wheels / Polyurethane Over Steel
- 115V Input Power / 10 Amp
- 2/3 H.P. Motor
- Hand Pendant Control w/25' Cord (24V)
- Weight: 720 lb. (1 Drive / 1 Idler)
- 1 Year Warranty

Turning Rolls

### 10-Ton Turning Roll Set

#### FEATURES:

- 10-Ton Capacity (1 Drive / 1 Idler Max. 5-Ton Each)
- 15 Ton Rotating Capacity w/Additional Idler(s)
- 20" to 192" Diameter Capacity
- 0-48 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 5" x 13½" Wheels / Polyurethane Over Steel
- 115V Input Power / 15 Amp
- 1 H.P. Motor
- Hand Pendant Control w/25' Cord (24V)
- Weight: 1,320 lb. (1 Drive / 1 Idler)
- 1 Year Warranty

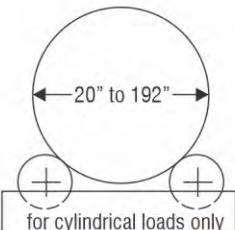
\*Note: Additional idler rolls available **PROFAX NO: IR-10000**



#### MODEL NO:

**TR-20000 • 115V**

230V model available (TR-20000-2)



#### MODEL NO:

**TR-40000 • (440V 3PH)**

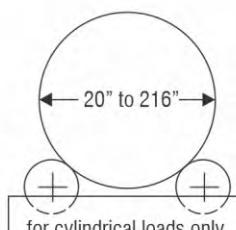


#### FEATURES:

- 20-Ton Capacity (1 Drive / 1 Idler Max. 10 Ton Each)
- 30 Ton Rotating Capacity w/Additional Idler(s)
- 20" to 216" Diameter Capacity
- 6 - 64 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 6" x 13½" Wheels / Polyurethane Over Steel
- 440V Input Power / 10 Amp
- 2 ea./1 H.P. Motors
- Hand Pendant Control w/25' Cord (24V)
- Weight: 2,315 lb. (1 Drive / 1 Idler)
- 1 Year Warranty

### 20-Ton Turning Roll Set

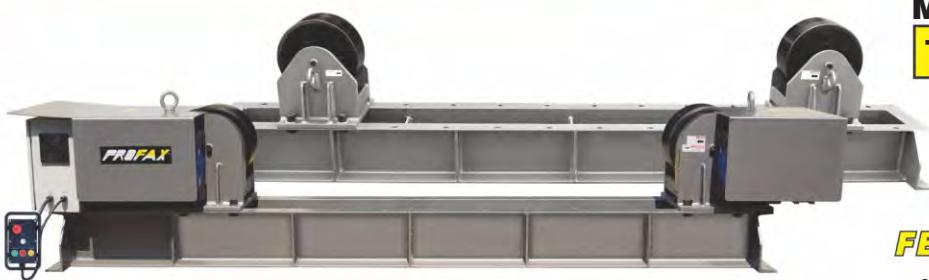
\*Note: Additional idler rolls available **PROFAX NO: IR-20000**





## TURNING ROLLS

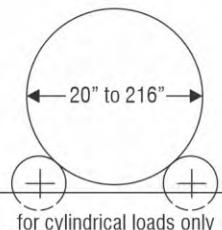
**PROFAX**



**MODEL NO:**

**TR-60000 • (440V 3PH)**

Turning Rolls



### 30-Ton Turning Roll Set

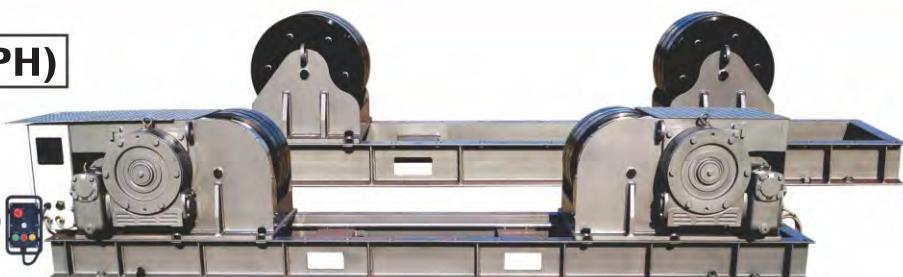
\*Note: Additional idler rolls available **PROFAX NO: IR-30000**

#### FEATURES:

- 30-Ton Capacity (1 Drive / 1 Idler Max. 15 Ton Each)
- 45 Ton Rotating Capacity w/Additional Idler(s)
- 20" to 216" Diameter Capacity
- 6 - 58 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 6" x 13½" Wheels / Polyurethane Over Steel
- 440V Input Power / 10 Amp
- 2 ea./1½ H.P. Motors
- Hand Pendant Control w/25' Cord (24V)
- Weight: 2,340 lb. (1 Drive / 1 Idler)
- 1 Year Warranty

**MODEL NO:**

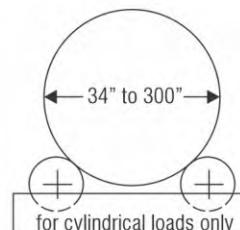
**TR-120000 • (440V 3PH)**



#### FEATURES:

- 60-Ton Capacity (1 Drive/1 Idler Max. 30 Ton Each)
- 100 Ton Rotating Capacity w/Additional Idlers
- 34" to 300" Diameter Capacity
- 6 - 60 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 20½" x 11¾" Wheels/Polyurathane Pressed on Steel (3 Tires make total width)
- Overload Discs
- 440V Input Power/15 Amp
- 2 ea./2 H.P. Motors
- Hand Pendant Control w/25' Cord (24V)
- Weight: 5,600 lb. (1 Drive/1 Idler)
- 1 Year Warranty

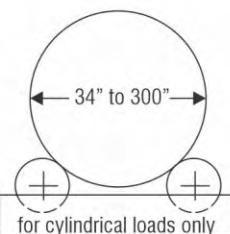
### 60-Ton Turning Roll Set



\*Note: Additional idler rolls available **PROFAX NO: IR-60000**

**MODEL NO:**

**TR-240000 • (440V 3PH)**



### 120-Ton Turning Roll Set

\*Note: Additional idler rolls available **PROFAX NO: IR-120000**

#### FEATURES:

- 120-Ton Capacity (1 Drive/1 Idler Max. 60 Ton Each)
- 180 Ton Rotating Capacity w/Additional Idler(s)
- 34" to 300" Diameter Capacity
- 5 - 51 IPM Rotation Speed
- Easily Adjustable Wheel Spacing
- 20½" x 23¾" Wheels/Polyurathane Pressed on Steel (6 Tires make total width)
- Overload Discs
- 440V Input Power/30 Amp
- 2 ea./5.35 H.P. Motors
- Hand Pendant Control w/50' Cord (24V)
- Weight: 6,000 lb. (1 Drive/1 Idler)
- 1 Year Warranty



## WELDING TORCH STAND & MANIPULATORS

**PROFAX**



### MODEL NO:

**WTS-44**

## Adjustable Torch Stand

### FEATURES:

#### GENERAL:

- Manually Adjustable Torch Stand
- Extruded Aluminum Construction
- Lockable Casters Included for easy movement
- Unit Weight: 70 lbs.

#### MAST:

- Hand Wheel Adjustment (Worm Gear provides Anti-Fall Protection)
- 46" Vertical Travel
- 60" Max. Clearance Under Boom

#### BOOM:

- Hand Wheel Adjustment
- 46" Horizontal Travel
- 50" of Reach
- Drilled and Tapped Mounting Plate
  - Dual Swivel Adjustable V-Block Mount (Included)
  - Drilled and tapped holes for PROFAX WCS-222 (Optional)
- 25 lb. Maximum Load Capacity

Welding  
Manipulators

### MODEL NO:

**WM-44 • (115V)**

### FEATURES:

- Power Mast:
  - Constant Speed
  - 47½" Vertical Travel,
  - 70½" Clearance Under Boom
- Power Boom:
  - Variable Speed
  - Auto & Manual Settings
  - 50" Horizontal Travel
  - 53" Reach
  - 150 lb. Load Capacity
- Hand Control Pendant w/25' Cord
- Anti-Fall Protection
- Platform Base with Locking Swivel Mechanism
- 115 Volt
- 1 Year Warranty





## WELDING MANIPULATORS

**PROFAX**

Welding  
Manipulators



| PROFAX NO. | DESCRIPTION   |
|------------|---|
| WM-SA      | For NA-5 & other heads                                  |
| WM-SA-NA3  | For NA-3 head<br>Optional for mounting sub-arc package. |



Optional  
Motorized  
Travel Car  
Model No.:  
**WM-66-4-MTC**

### FEATURES:

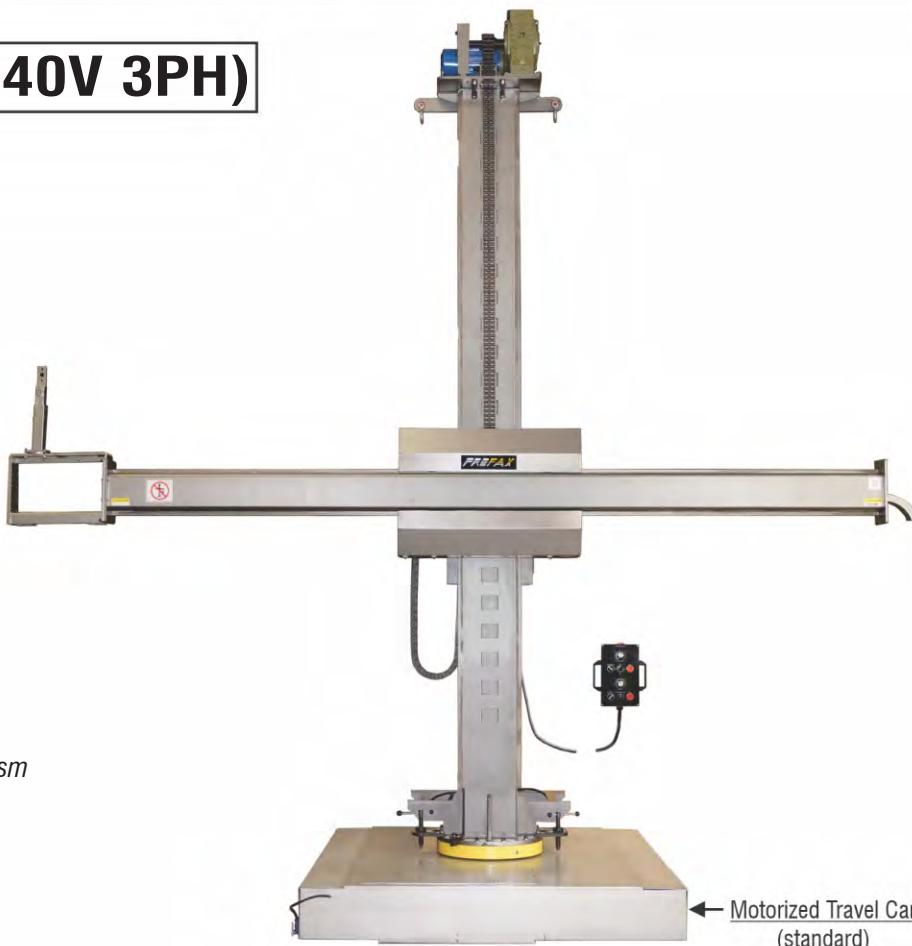
- Power Mast:
  - Constant Speed
  - 54" Vertical Travel
  - 85" Clearance Under Boom
- Power Boom:
  - Variable Speed
  - Auto & Manual Settings
  - 78" Horizontal Travel
  - 83" Reach
  - 400 lb. Load Capacity
- Hand Control Pendant w/25' Cord
- Anti-Fall Device
- Swivel Base with Locking Mechanism
- Mounting Bracket for Power Source
- Manual Travel Car with:
  - V-Wheels
  - Brake
  - 440V 3 Phase
  - 1 Year Warranty

### MODEL NO:

**WM-1010-4 • (440V 3PH)**

### FEATURES:

- Power Mast:
  - Constant Speed
  - 120" Vertical Travel,
  - 156" Clearance Under Boom
- Power Boom:
  - Variable Speed
  - Auto & Manual Settings
  - 120" Reach
  - 440 lb. Load Capacity
- Motorized Travel Car (standard)
  - V-Wheels 12 - 110 IPM
- Hand Control Pendant w/25' Cord
- Anti-Fall Protection
- Swivel Base with Locking Swivel Mechanism
- Mounting Bracket for Power Source
- Sub Arc Mounting Bracket Included
- 440V 3 Phase





## Rotational Slides for Torches & Welding Heads

**PROFAX**

**MODEL NO:**

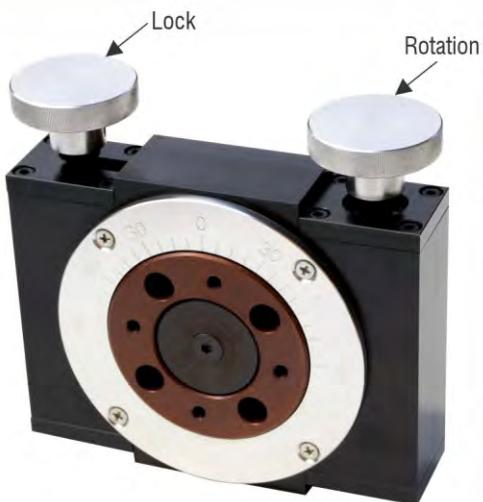
**WRS-20**

**Specifications:**

- 360 Degree Rotation
- Adjustment: Hand Knob
- Rotation Lock: Thumb Screws
- Torch Diameter: 5/8" - 1-3/8"  
(Up to 1-7/8" with Optional WCS-222-5)
- Torch Clamp: V-Block with Angle & Height Adjustments
- Load Capacity: 7 Lbs.
- Easy Mounting (4 Thru Holes)
- Weight: 2 Lbs.



| PROFAX NO. | DESCRIPTION                     |
|------------|---------------------------------|
| WRS-20     | Rotational Slide 7 lb. Capacity |



**MODEL NO:**  
**WRS-90**

Oscillators

- Specifications:**
- 360 Degree Rotation
  - Adjustment: Hand Knob
  - Rotation Lock: Hand Knob
  - Load Capacity: 88 Lbs.
  - Back Mount: 4 x 6mm Thru Holes
  - Front Plate: 4 x M6x1.0 Threaded
  - Weight: 4.5 Lbs.

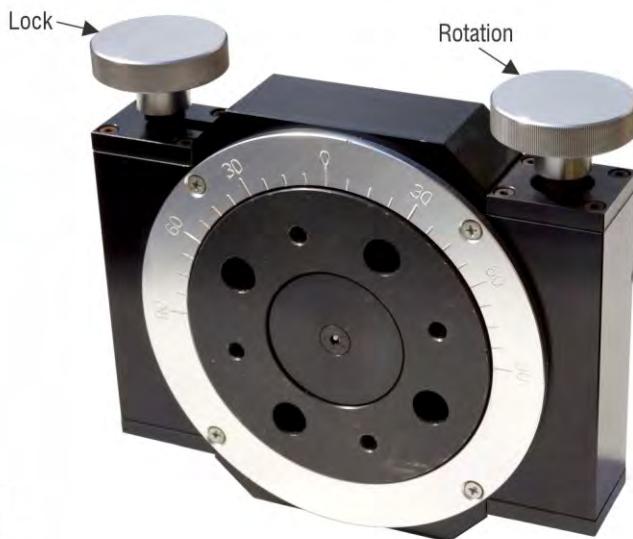
| PROFAX NO. | DESCRIPTION                      |
|------------|----------------------------------|
| WRS-90     | Rotational Slide 88 lb. Capacity |

**MODEL NO:**

**WRS-140**

**Specifications:**

- 360 Degree Rotation
- Adjustment: Hand Knob
- Rotation Lock: Hand Knob
- Load Capacity: 154 Lbs.
- Back Mount: 4 x 8mm Thru Holes
- Front Plate: 4 x M68x1.25 Threaded
- Weight: 11.2 Lbs.



| PROFAX NO. | DESCRIPTION                       |
|------------|-----------------------------------|
| WRS-140    | Rotational Slide 154 lb. Capacity |



## Torch Adjustment Slide, Welding Slide, and Compound Slides

**PROFAX**

### MODEL NO:

## WCS-2 & WCS-222

### 1-Way & 3-Way Torch Adjustment Slides with Torch Angle Adjustment

#### WCS-2

##### Specifications:

- Adjustment: 1-7/8"
- Slide Adjustment: Manual Hand Wheel
- Torch Angle Adjustment: 90 Degree
- Torch Diameter: 5/8" - 1-3/8"  
(Up to 1-7/8" w/optional WCS-222-5)
- Torch Clamp: V-Block
- Load Capacity: 10 lbs.
- Easy Mounting: 4 Thru Holes
- Weight: 2 lbs.

#### WCS-222

##### Specifications:

- LxWxH Adjustment: 1-7/8" x 1-7/8" x 1-7/8"
- Slide Adjustment: Manual Hand Wheels
- Torch Angle Adjustment: 90 Degree
- Torch Diameter: 5/8" - 1-3/8"  
(Up to 1-7/8" w/optional WCS-222-5)
- Torch Clamp: V-Block
- Load Capacity: 10 lbs.
- Easy Mounting: 4 Thru Holes
- Weight: 3.5 lbs.



WCS-2



WCS-222



| PROFAX NO. | DESCRIPTION             |
|------------|-------------------------|
| WCS-2      | Single Adjustment Slide |
| WCS-222    | 3-Way Adjustment Slide  |

### MODEL NO:

## WCS-6AL & WCS-66AL

Slides



WCS-6AL



WCS-66AL

#### PROFAX NO. DESCRIPTION

WCS-6AL Welding Slide 6" Aluminum

WCS-66AL Compounded Slides 6" x 6" Aluminum

### Aluminum Welding Slide & Compounded Welding Cross Slides

##### Specifications:

- Travel: 5-7/8"
- Slide Adjustment: Manual Hand Wheel
- Load Capacity: 75 lb. @ 4" Center of Gravity
- Aluminum Construction
- Dovetail Slide Design
- 16mm (Approx. 5/8") Dia. Drive Screw
- Length of Slide: 10-3/4"  
(Including Handle While Extended 14½")
- Height of Slide: 4-1/2"
- Depth: 1-1/2"
- Easily Compounded: 4 Bolts (Makes WCS-66AL)
- Convenient to Mount: 8 Pre-Drilled Holes
- Weight: 5 lbs. (WCS-66AL: 10 lbs.)

### MODEL NO:

## WCS-8 & WCS-88

##### Specifications: (WCS-8)

- Travel: 7-7/8"
- Slide Adjustment: Manual Hand Wheel
- Integrated Slide Lock
- Load Capacity: 200 lb. @ 4" Center of Gravity
- Steel Construction
- 20mm (Approx. 3/4") Dia. Hardened Load Bearing Guide Rods
- 16mm (Approx. 5/8") Dia. Drive Screw
- Length of Slide: 13-1/4" (Including Handle While Extended 18")
- Height of Slide: 4-3/8"
- Depth: 2-3/8"
- Easily Compounded: 4 Bolts (Makes WCS-88)
- Convenient to Mount: 4 Pre-Drilled Holes
- Weight: 21 lbs. (WCS-88: 42 lbs.)

### Steel Welding Slide & Compounded Welding Cross Slides



WCS-8



WCS-88

| PROFAX NO. | DESCRIPTION                     |
|------------|---------------------------------|
| WCS-8      | Welding Slide 8" Steel          |
| WCS-88     | Compounded Slides 8" x 8" Steel |



## Motorized Welding Cross Slides

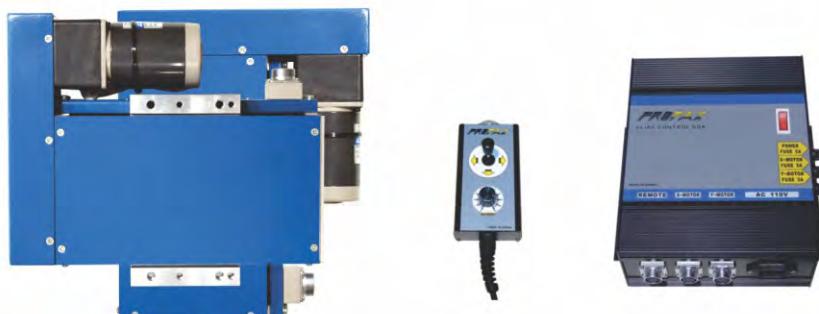
**PROFAX**

### MODEL NO:

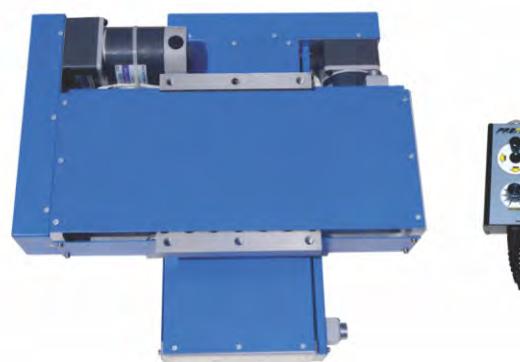
**WCS-44M**

#### Specifications:

- Travel: 3-15/16" x 3-15/16"
- Speed: Variable Speed 0-10 i.p.m.
- Control: Joystick Pendant
- Load Capacity: 55 lbs. @ 4" Center of Gravity
- Motors: 24 VDC
- Input Power: 115 VAC
- Dimensions (WxHxD): 11" x 11" x 5"
- Weight of Slides: 30 lbs.
- Weight of Slides & Controls: 42 lbs.
- Back of Slide Mounting: 4 Ea. M8 Thru Holes
- Weld Head Mounting: 4 Ea. M8 - 1.25 Tapped Holes
- Driven Screw: 16mm (Approx. 5/8")
- Load Bearing Guide Rods: 16mm (Approx. 5/8")



| PROFAX NO. | DESCRIPTION                            |
|------------|--|
| WCS-44M    | Motorized Welding Cross Slides 4" x 4" |



| PROFAX NO. | DESCRIPTION                            |
|------------|--|
| WCS-88M    | Motorized Welding Cross Slides 8" x 8" |

### MODEL NO:

**WCS-88M**

#### Specifications:

- Travel: 7-7/8" x 7-7/8"
- Speed: Variable 0-8 i.p.m.
- Control: Joystick Pendant
- Load Capacity: 200 lbs. @ 4" Center of Gravity
- Motors: 24 VDC
- Input Power: 115 VAC
- Dimensions (WxHxD): 19-1/4" x 19-1/4" x 6-3/4"
- Weight of Slides: 86 lbs.
- Weight of Slides & Controls: 98 lbs.
- Back of Slide Mount: 4 Ea. M10 Thru Holes
- Weld Head Mounting: 6 Ea. M10 - 1.5 Tapped Holes
- Driven Screw: 1" Dia.
- Load Bearing Guide Rods: 1-1/8"

Slides

### MODEL NO:

**WCS-1212M**

#### Specifications:

- Travel: 12" x 12"
- Speed: 0 - 11-1/2 i.p.m.
- Control: Joystick Pendant
- Load Capacity: 550 lbs. @ 4" Center of Gravity
- Motors: 200 Watt Servo
- Input Power: 115 VAC
- Dimensions (WxHxD): 32-1/2" x 32-1/2" x 8-1/2"
- Weight of Slides: 250 lbs. (Approx.)
- Weight of Slides & Controls: 325 lbs. (Approx.)
- Back of Slide Mounting: 8 Ea. M10 Thru Holes
- Welding Head Mounting: 8 Ea. M10 - 1.5 Tapped Holes
- Driven Screw: 1-1/4"
- Load Bearing Guide Rails: 23mm (Approx. 7/8")



| PROFAX NO. | DESCRIPTION                              |
|------------|--|
| WCS-1212M  | Motorized Welding Cross Slides 12" x 12" |



## Oscillator Linear Type and Oscillator Angle Type

**PROFAX**



Oscillators

**MODEL NO:  
WO-1S**

## Welding Oscillator Linear Type

### Specifications:

- Operator Friendly Pendant
- Torch Diameters: 5/8" to 1-3/8"  
(Up to 1-7/8" w/Optional WCS-222-5)
- Load Capacity: 10 lbs.
- Speed: 0-130 IPM
- Weld Width: 0-1-9/16"
- Centerline Adjustment: +/- 1/4"
- L & R Dwell: 0-2 sec.
- Motor 24V DC/Rack & Pinion Drive
- Input Power: 110 or 220 VAC

| PROFAX NO. | DESCRIPTION                 |
|------------|-----------------------------|
| WO-1S      | Welding Oscillator - Linear |

**MODEL NO:  
WO-1V**

## Welding Oscillator Angle Type

### Specifications:

- Operator Friendly Pendant
- Torch Diameters: 5/8" to 1-3/8"  
(Up to 1-7/8" w/Optional WCS-222-5)
- Load Capacity: 10 lbs.
- Speed: 0-50 Cycles/Minute
- Swing Width: +/- 8 deg.
- Centerline Adjustment: +/- 4 deg.
- L & R Dwell: 0-2 sec.
- Motor 24V DC/Worm Drive
- Input Power: 110 or 220 VAC



| PROFAX NO. | DESCRIPTION                |
|------------|----------------------------|
| WO-1V      | Welding Oscillator - Angle |



# XR & XRS Oscillator

## Extended Reach Welding Oscillator

**PROFAX**



Typical Application Shown

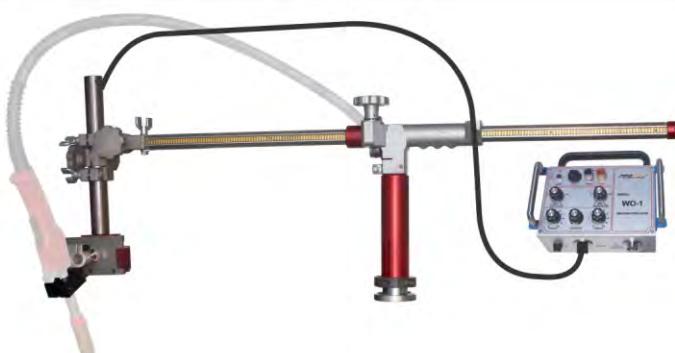
\*Positioner & Torch  
NOT INCLUDED

SEE ORDERING OPTIONS BELOW.

View demonstration video online at:  
<https://youtu.be/zmGSKlONkOA>  
or QR Code



Oscillators



**PART NO:**  
**XR-Oscillator**

**INCLUDED:**

- WO-1S linear oscillator head & control
- 8" Vertical torch adjustment
- Dual angle adjustment (X & Y axis)
- 27" Horizontal adjustment (33" total reach)
- Swivel base
- 8" Riser (removable)
- Pre-drilled base mount



**PART NO:**  
**XRS-Kit**

**INCLUDED:**

- 8" Manual cross slide (mounts under XR-Oscillator)
- Mounting plate under slide (pre-drilled mounting holes)
- Two (2) mounting clamps (for mounting without drilling)



**PART NO:**  
**XRS-Oscillator**

**INCLUDES:**

- (Includes everything above) XR-Oscillator & XRS-KIT



Replacement Parts Suitable For:  
**Bernard®**

**PROFAX**

**Bernard®**

| PROFAX NO. | BERNARD® | WIRE SIZE  | TIP I.D. | PROFAX NO.  | BERNARD® |   |
|------------|----------|--|----------|-------------|----------|---|
| PX 1588    | 1588     | .030 (.8mm)  | .039     |             |          |   |
| PX 1589    | 1589     | .035 (.9mm)  | .044     |             |          |   |
| PX 1590    | 1590     | .045 (1.2mm)   | .056     |             |          |   |
| PX 1591    | 1591     | 1/16" (1.6mm)  | .076     |             |          |   |
| PX 1592    | 1592     | 5/64" (2.0mm)  | .093     |             |          |   |
| PX 1593    | 1593     | 3/32" (2.4mm)  | .109     |             |          |   |
| PX 1596    | 1596     | .040 (1.0mm)   | .049     |             |          |   |
| PX 1598    | 1598     | .052 (1.4mm)   | .064     |             |          |   |
|            |          |  |          |             |          |   |
| PX 1589L   | 1589L    | .035 (.9mm)  | .044     | PX 4393     | 4393     | Copper nozzle 5/8" (Used with 4235 & 4335 gas diffuser)             |
| PX 1590L   | 1590L    | .045 (1.2mm)   | .056     |             |          |   |
| PX 1591L   | 1591L    | 1/16" (1.6mm)  | .076     |             |          |   |
| PX 1598L   | 1598L    | .052 (1.4mm)   | .064     |             |          |   |
|            |          |  |          |             |          |   |
| PX 1589L   | 1589L    | .035 (.9mm)  | .044     | PX 4394     | 4394     | Tapered copper nozzle 1/2" (Used with 4235 & 4335 gas diffuser)     |
| PX 1590L   | 1590L    | .045 (1.2mm)   | .056     |             |          |   |
| PX 1591L   | 1591L    | 1/16" (1.6mm)  | .076     |             |          |   |
| PX 1598L   | 1598L    | .052 (1.4mm)   | .064     |             |          |   |
|            |          |  |          |             |          |   |
| PX 4280    | 4280     | 1/16" (1.6mm)  | .076     | PX 4491     | 4491     | Brass nozzle 3/4" (Used with 4435 & 4635 gas diffuser)              |
| PX 4281    | 4281     | .035 (.9mm)  | .044     |             |          |   |
| PX 4282    | 4282     | .045 (1.2mm)   | .056     |             |          |   |
| PX 4283    | 4283     | .052 (1.4mm)   | .064     |             |          |   |
|            |          |  |          |             |          |   |
| PX 7488    | 7488     | .030 (.8mm)  | .039     | PX 4492     | 4492     | Tapered brass nozzle 9/16" (Used w/4435 & 4635 gas diffuser)        |
| PX 7489    | 7489     | .035 (.9mm)  | .044     |             |          |   |
| PX 7490    | 7490     | .045 (1.2mm)   | .056     |             |          |   |
| PX 7491    | 7491     | 1/16" (1.6mm)  | .076     |             |          |   |
| PX 7492    | 7492     | 5/64" (2.0mm)  | .093     |             |          |   |
| PX 7493    | 7493     | 3/32" (2.4mm)  | .108     |             |          |   |
| PX 7496    | 7496     | .040 (1.0mm)   | .049     |             |          |   |
| PX 7497    | 7497     | .023 (.6mm)  | .031     |             |          |   |
| PX 7498    | 7498     | .052 (1.4mm)   | .064     |             |          |   |
|            |          |  |          |             |          |   |
| PX 36-63   | 36-63    | Nozzle 5/8" (Used with 36 Insulator)   |          | PX 4592     | 4592     | Copper nozzle 17/32" (500 amp) (Used with 4435 & 4635 gas diffuser) |
|            |          |  |          |             |          |   |
| PX 36-75   | 36-75    | Nozzle 3/4" (Used with 36 Insulator)   |          | PX 4235     | 4235     | Gas diffuser (Uses 1500 series tips)                                |
|            |          |  |          |             |          |   |
| PX 4295    | 4295     | Tapered brass nozzle 3/8" (Up to 300 amp) (Used w/4335 gas diffuser)           |          | PX 4235-35  | 4235-35  | Gas diffuser (Uses 1500 series tips)                                |
|            |          |  |          |             |          |   |
| PX 4391    | 4391     | Brass nozzle 5/8" (Up to 300 amp) (Used with 4235 & 4335 gas diffuser)         |          | PX 4235-116 | 4235-116 | Gas diffuser (Uses 1500 series tips)                                |
|            |          |  |          |             |          |   |
| PX 4392    | 4392     | Tapered brass nozzle 1/2" (Up to 300 amp) (Used with 4235 & 4335 gas diffuser) |          | PX 4335     | 4335     | Gas diffuser (Uses 4200 & 7400 series tips)                         |
|            |          |  |          |             |          |   |



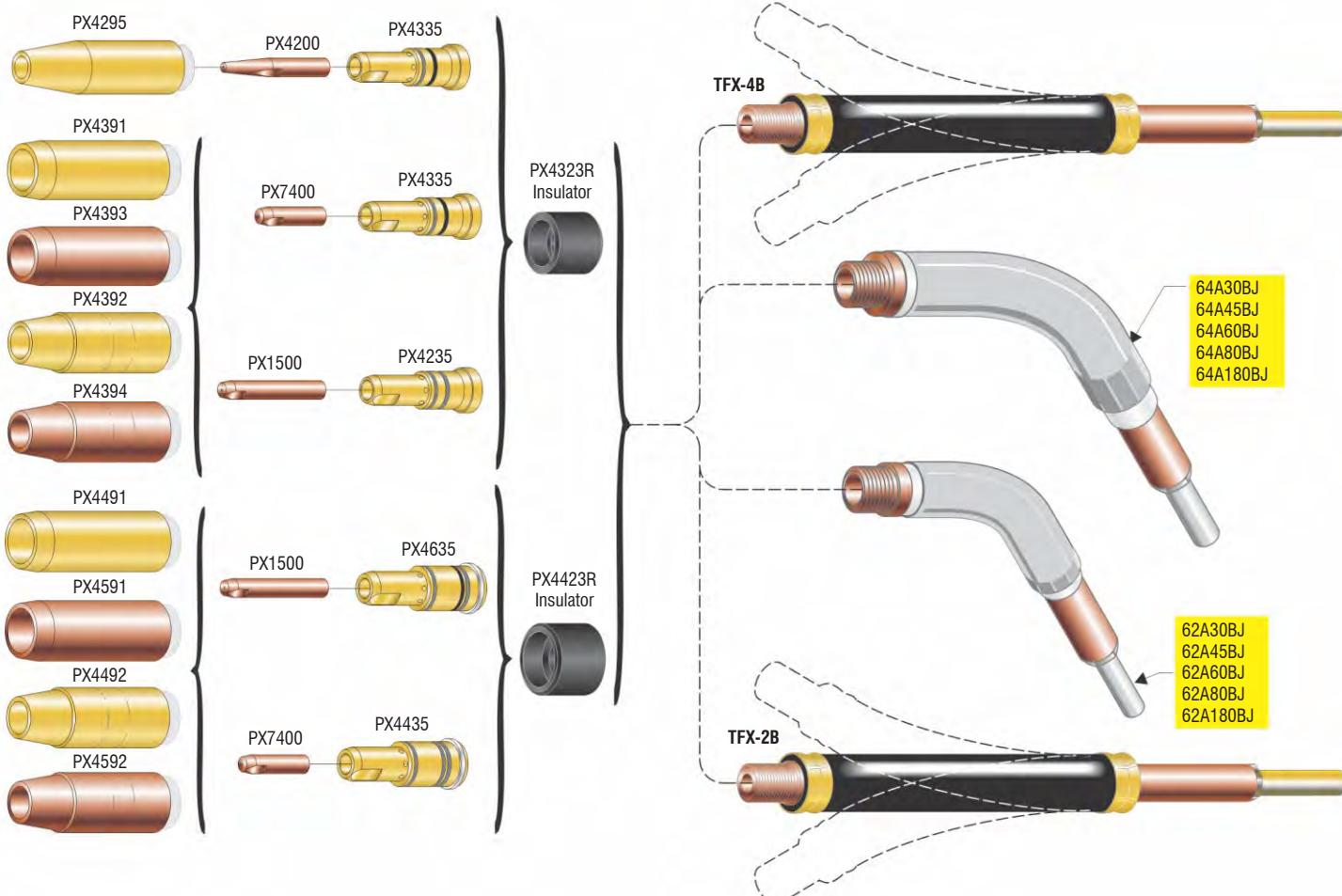
Replacement Parts Suitable For:  
**Bernard®**

**PROFAX**

| PROFAX NO.  | BERNARD® | PROFAX NO.   | BERNARD® |  |
|-------------|----------|--|----------|--|
| PX 4435     | 4435     | Gas diffuser<br>(Uses 7400 series tips) 5/16" I.D. | PX 36    | Insulator<br>(Used with 4635 gas diffuser)         |
| PX 4635     | 4635     | Gas diffuser<br>(Uses 1500 series tips) 5/16" I.D. | PX 4323R | Insulator<br>(Used with 4235 & 4335 gas diffusers) |
| PX 4635-116 | 4635-116 | Gas diffuser<br>(Uses 1500 series tips) 5/16" I.D. | PX 4423R | Insulator<br>(Used with 4435 & 4635 gas diffusers) |
|             |          |  | PX 10012 | Insulator  |

**Adapt your PROFAX® Style MIG Guns to accept Bernard® Front End Parts**

**Bernard®**



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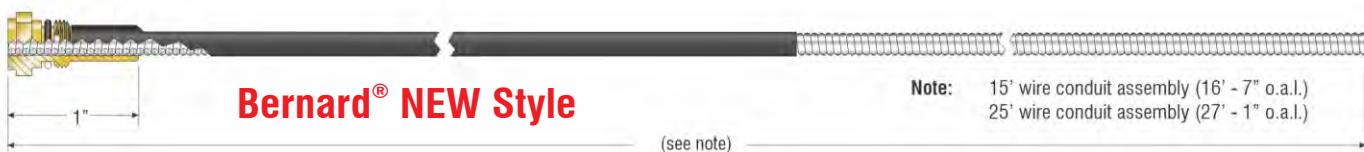


Replacement Parts Suitable For:

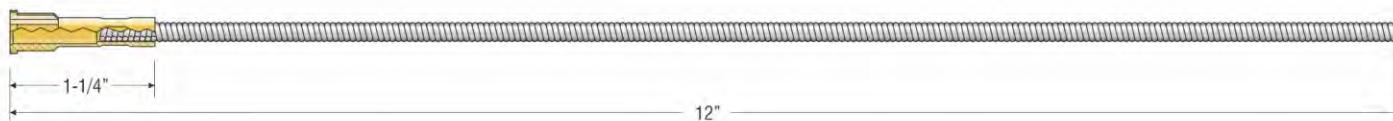
**Bernard®****PROFAX**

| PROFAX NO. | BERNARD® | DESCRIPTION   |
|------------|----------|---|
| PX L3B-15  | 43115    | 15' Wire conduit assembly — used with .035-.045 diameter wire |
| PX L4B-15  | 43215    | 15' Wire conduit assembly — used with 1/16" diameter wire     |
| PX L3A-15  | 44115    | 15' Wire conduit assembly — used with .035-.045 diameter wire |
| PX L4A-15  | 44215    | 15' Wire conduit assembly — used with .045-.062 diameter wire |
| PX 44215T  | 44215T   | 15' Wire conduit assembly — used with .045-.062 diameter wire |
| PX L4A-25  | 44225    | 25' Wire conduit assembly — used with .045-.062 diameter wire |
| PX L6A-15  | 44315    | 15' Wire conduit assembly — used with 5/64" diameter wire     |
| PX L7A-15  | 45415    | 15' Wire conduit assembly — used with 3/32" diameter wire     |

Bernard®



| PROFAX NO. | NEW BERNARD® | OLD BERNARD® | DESCRIPTION   | I.D. | O.D. |
|------------|--------------|--------------|---|------|------|
| PX L3A-15  | L3A-15       | 44115        | 15' Wire conduit assembly — used with .035-.045 diameter wire | .072 | .180 |
| PX L3B-15  | L3B-15       | 43115        | 15' Wire conduit assembly — used with .035-.045 diameter wire | .060 | .170 |
| PX L4A-15  | L4A-15       | 44215        | 15' Wire conduit assembly — used with .045-.062 diameter wire | .078 | .187 |
| PX L4B-15  | L4B-15       | 43215        | 15' Wire conduit assembly — used with .045-.062 diameter wire | .078 | .170 |
| PX L6A-15  | L6A-15       | 44315        | 15' Wire conduit assembly — used with 5/64" diameter wire     | .105 | .215 |
| PX L7A-15  | L7A-15       | 45415        | 15' Wire conduit assembly — used with 3/32" diameter wire     | .125 | .235 |
| PX L3A-25  | L3A-25       | 44125        | 25' Wire conduit assembly — used with .035-.045 diameter wire | .072 | .180 |
| PX L4A-25  | L4A-25       | 44225        | 25' Wire conduit assembly — used with .045-.062 diameter wire | .078 | .187 |
| PX L6A-25  | L6A-25       | 44325        | 25' Wire conduit assembly — used with 5/64" diameter wire     | .105 | .215 |



| PROFAX NO.  | BERNARD® | DESCRIPTION   | I.D. | O.D. |
|-------------|----------|---|------|------|
| PX QJL-2330 | QJL-2330 | 12" Jump liner conduit assembly - used with .023-.030 diameter wire | .040 | .125 |
| PX QJL-3545 | QJL-3545 | 12" Jump liner conduit assembly - used with .035-.045 diameter wire | .078 | .187 |
| PX QJL-116  | QJL-116  | 12" Jump liner conduit assembly - used with 1/16" diameter wire     | .078 | .187 |

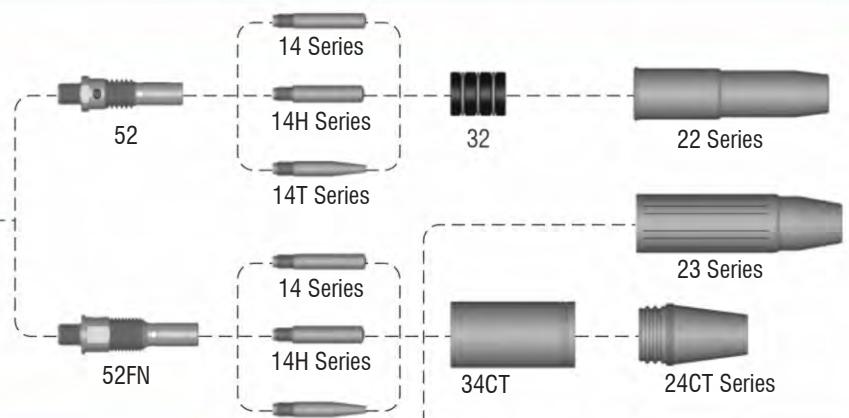


Replacement Parts Suitable For:  
**Bernard®**

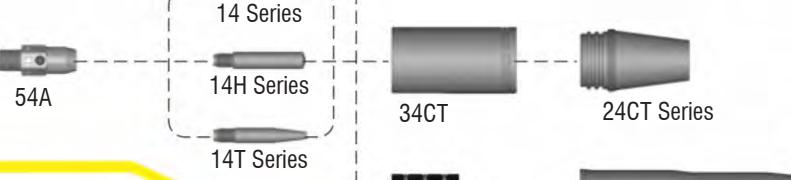
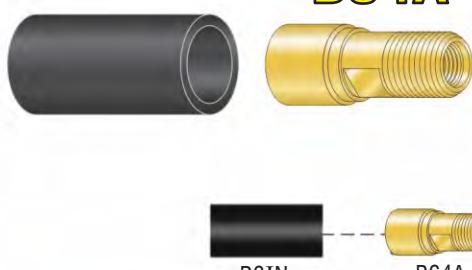
**PROFAX**

Adapters designed for converting BERNARD® guns to use standard PROFAX front end parts.

### B62A



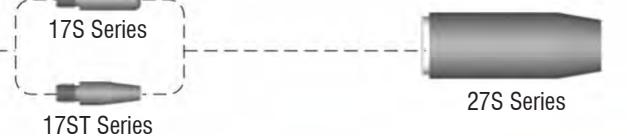
### B64A



### B67A



#### OLD STYLE single thread Goosenecks



#### NEW Dual thread Gooseneck



| PROFAX NO. | BORTECH® | DESCRIPTION | TIP I.D. | PROFAX NO. | BORTECH® | DESCRIPTION | TIP I.D. |
|------------|----------|-------------|----------|------------|----------|-------------|----------|
| PX 10038   | 10038    | .045-3/64"  | .054     | PX 10248   | 10248    | 1/16"       | .073     |
| PX 10227   | 10227    | .045-3/64"  | .054     | PX 10251   | 10251    | 1/16"       | .073     |

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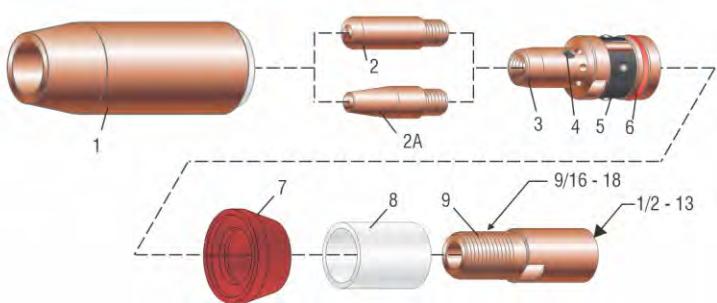
Replacement Parts Suitable For:  
**Cobramatic, M.K. Products, Inc.®**

**PROFAX**

| PROFAX NO.  | COBRAMATIC®  | DESCRIPTION                                | TIP I.D.                             | PROFAX NO. | COBRAMATIC®                         | DESCRIPTION                      |  |
|---|--|--|--------------------------------------|------------|-------------------------------------|----------------------------------|--|
| PX 621-0001<br>PX 621-0003<br>PX 621-0327                               | 621-0001<br>621-0003<br>621-0327                         | .035<br>.045-3/64"<br>.045-3/64"           | .044<br>.060<br>.053                 |            | PX 621-0248<br>621-0249<br>621-0250 | 621-0248<br>621-0249<br>621-0250 |  |
| PX 621-0390<br>PX 621-0391<br>PX 621-0392<br>PX 621-0393<br>PX 621-0394 | 621-0390<br>621-0391<br>621-0392<br>621-0393<br>621-0394 | .030<br>.035<br>.047<br>.045-.052<br>1/16" | .040<br>.044<br>.054<br>.060<br>.075 |            | PX 621-0017<br>621-0017             | 621-0017                         |  |
| PX 001-0137   | 001-0137   | Gas cup #6 (3/8")                          | 3/8"                                 |            | PX 003-0566<br>621-0424             | 003-0566<br>621-0424             |  |
| PX 001-0138   | 001-0138   | Gas cup #8 (1/2")                          | 1/2"                                 |            |                                     |                                  |  |
| PX 001-0139   | 001-0139   | Gas cup #10 (5/8")                         | 5/8"                                 |            |                                     |                                  |  |

## Cobramatic Heavy Duty Consumables

To convert a Cobra gun to use PROFAX Heavy Duty front end parts.



### PARTS LIST

| ITEM NO. | PROFAX NO.  | DESCRIPTION          |
|----------|-------------|----------------------|
| 1.       | 27 series   | Nozzles (see pg. 68) |
| 2.       | 17 series   | Tip (see pg. 68)     |
| 2a.      | 17ST series | Tip (see pg. 68)     |
| 3.       | 57HD        | Gas diffuser         |
| 4.       | 44C         | Screw                |
| 5.       | 240         | Retaining ring       |
| 6.       | 260         | O-ring               |
| 7.       | 17SW        | Shock washer         |
| 8.       | 169715-IN   | Insulator            |
| 9.       | 621-57HD    | Adapter              |



Replacement Parts Suitable For:

**Cobramatic, M.K. Products, Inc.®****PROFAX**

| PROFAX NO.  | COBRAMATIC® | DESCRIPTION                    |   |
|-------------|-------------|--------------------------------|---|
| PX 511-0016 | 511-0016    | Knurled drive roll<br>(Cobra)  |  |
| PX 511-0101 | 511-0101    | Knurled drive roll<br>(Python) |  |
| PX 511-0001 | 511-0001    | Idler roll<br>(Cobra & Python) |  |

**CONDUIT (COBRA SX, MX, MAX, PYTHON, PRINCE XL) NEW STYLE**

| PROFAX NO.     | COBRAMATIC® | DESCRIPTION     |
|----------------|-------------|-----------------|
| PX 615-0601-15 | 615-0601-15 | 15', .030-1/16" |
| PX 615-0601-25 | 615-0601-25 | 25', .030-1/16" |
| PX 615-0601-50 | 615-0601-50 | 50', .030-1/16" |

**CONDUIT**

| PROFAX NO.     | COBRAMATIC® | DESCRIPTION     |
|----------------|-------------|-----------------|
| PX 615-0620-15 | 615-0620-15 | 15', .030-1/16" |
| PX 615-0620-25 | 615-0620-25 | 25', .030-1/16" |
| PX 615-0620-50 | 615-0620-50 | 50', .030-1/16" |

**CONTROL CABLE ASSEMBLY (PYTHON)**

| PROFAX NO.  | COBRAMATIC® | DESCRIPTION                       |
|-------------|-------------|-----------------------------------|
| PX 005-0269 | 005-0269    | 25' control cable assembly, 7 pin |

**LINERS**

White Teflon Liner



Green Teflon Liner

| PROFAX NO.  | COBRAMATIC® | DESCRIPTION   | WIRE TYPE | GUN MODEL              |
|-------------|-------------|---|-----------|------------------------|
| PX 615-0337 | 615-0337    | White teflon 7.35"  | All       | Python                 |
| PX 615-0055 | 615-0055    | Green teflon 5.75"  | Aluminum  | Cobra                  |
| PX 615-0058 | 615-0058    | Green teflon 6.75"  | Aluminum  | Cobra w/Tip Extension  |
| PX 615-0316 | 615-0316    | Green teflon 7.87"  | Aluminum  | Prince Straight Barrel |
| PX 931-0135 | 931-0135    | Green teflon - package of 5 pcs. 7.50" long to be cut to length |           |                        |
| PX 931-0137 | 931-0137    | White teflon - package of 5 pcs. 9.50" long to be cut to length |           |                        |

**POWER CABLE (COBRA SYS III, PYTHON, PRINCE XL)****AIR/WATER POWER CABLE**

Cobramatic®

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Replacement Parts Suitable For:

**PROFAX**

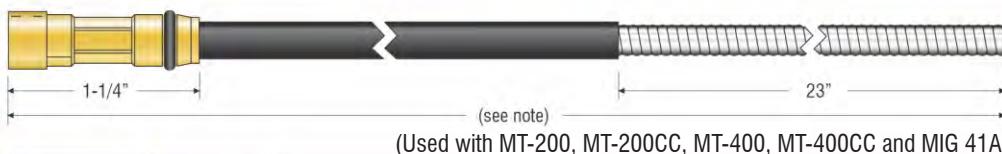
| PROFAX NO.  | ESAB®   | WIRE SIZE   | TIP I.D.                                     | PROFAX NO.                        | ESAB®               | DESCRIPTION   |
|---|---|---|--|-----------------------------------|---------------------|---|
| PX 19N45<br>PX 19N47<br>PX 19N48<br>PX 19N49<br>PX 19N764                 | 19N45<br>19N47<br>19N48<br>19N49<br>19N764              | 1/16"<br>3/32"<br>1/8"<br>5/32"<br>7/64"  | .078<br>.108<br>.140<br>.171<br>.125         | 1/2"<br>1-5/8"                    | PX 598721<br>598721 | Nozzle 5/8"<br>(ST-16 & ST-21)  |
| PX 2360-1926<br>PX 2360-1928<br>PX 2360-1929                              | 2360-1926<br>2360-1928<br>2360-1929                     | 1/16"<br>3/32"<br>1/8"  | .073<br>.109<br>.140                         | 3/8 - 16 Thd.<br>3/8"<br>1-3/4"   | PX 598739<br>598739 | Nozzle 1/2"<br>(AM50A & AM60A)<br>(ST-16 & ST-21)   |
| PX 61N37<br>PX 61N39<br>PX 61N40  | 61N37<br>61N39<br>61N40                                 | .045<br>1/16"<br>1/16"  | .057<br>.071<br>.081                         | 5/16"<br>3-1/2"                   | PX 61N26<br>61N26   | Nozzle<br>(ST-12)   |
| PX 632793<br>PX 632795<br>PX 632797                                       | 632793<br>632795<br>632797                              | .035<br>.045<br>1/16"   | .044<br>.060<br>.078                         | 3/8 - 24 Thd.<br>3/8"<br>1-1/2"   | PX 632793<br>17983  | Nozzle<br>(ST-16, ST-21, and MT-450W)<br>Tip adapter for<br>use with 999452<br>(Used on MT-200, MT-200CC, MT-400 & MT-400CC.) |
| PX 633110   | 633110  | 1/16"   | .081   | 1/4"<br>2-3/4"                    | PX 17983<br>17983   | Tip adapter for<br>use with 999452<br>(Used on MT-200, MT-200CC, MT-400 & MT-400CC.)  |
| PX 20543<br>PX 20544<br>PX 996995<br>PX 996999<br>PX 2075349<br>PX 996997 | 20543<br>20544<br>996995<br>996999<br>2075349<br>996997 | .023 hard<br>.030 hard<br>.035 hard<br>.045-3/64" hard<br>.052 hard<br>1/16" hard | .031<br>.038<br>.044<br>.054<br>.064<br>.073 | 1/4 - 20 Thd.<br>1/4"<br>1-5/8"   | PX 19N43<br>19N43   | Tip nut<br>(UWM-8/SWM-9)<br>(Used with 28V38 busbar, straight nozzle<br>assy., 28V25 busbar & curved nozzle assy.)            |
| PX 996994<br>PX 996996<br>PX 996998                                       | 996994<br>996996<br>996998                              | .030 hard<br>.035 hard<br>.045-3/64" hard   | .038<br>.044<br>.054                         | 1/4 - 20 Thd.<br>1/4"<br>1-29/32" | PX 999452<br>999452 | Nozzle adapter<br>(Used on MT-200, MT-200CC,<br>MT-400 & MT-400CC.)   |

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Replacement Parts Suitable For:  
**ESAB®**

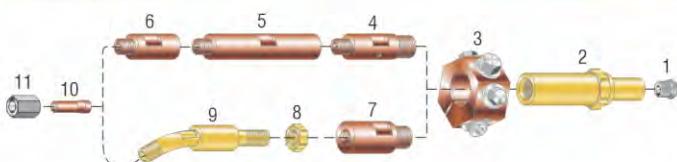
**PROFAX**



**Notes:**  
15' wire conduit assy. (16'-2" o.a.l.)

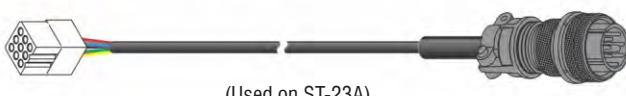
| PROFAX NO. | ESAB®   | DESCRIPTION  | I.D. | O.D. |
|------------|---------|--|------|------|
| PX 2075238 | 2075238 | 15' wire conduit assembly - used with .035-.045 diameter wire  | .070 | .185 |
| PX 2075240 | 2075240 | 15' wire conduit assembly - used with .052-1/16" diameter wire | .094 | .185 |

## SUB ARC PRODUCTS



### (EH-1, EH-2, EH-10, EH-11 & UMA2 Welding Heads)

| NO. | PROFAX NO.  | ESAB®    | DESCRIPTION                              |
|-----|-------------|----------|--|
| 1.  | PX 28N31    | 28N31    | Busbar wire guide                        |
| 2.  | PX 29N20    | 29N20    | Busbar adapter                           |
| 3.  | PX 29N19    | 29N19    | Busbar                                   |
| 4.  | PX 29N21    | 29N21    | Busbar converting nozzle                 |
| 5.  | PX 41W30    | 41W30    | 5" busbar extension                      |
| 6.  | PX 41W98    | 41W98    | 2" busbar extension                      |
| 7.  | PX 29N22    | 29N22    | 2" adapter extension                     |
| 8.  | PX 63140229 | 63140229 | Jam nut 5/8 - 11                         |
| 9.  | PX 19V50    | 19V50    | Curved nozzle assembly 1/16"             |
|     | PX 19V51    | 19V51    | Curved nozzle assembly 3/16"             |
|     | PX 19V52    | 19V52    | Curved nozzle assembly 3/32"-5/32"       |
| 10. | PX 19N*     | 19N*     | 19N series contact tips *( see page 212) |
| 11. | PX 999398   | 999398   | Tip nut                                  |



(Used on ST-23A)

| PROFAX NO. | ESAB® | DESCRIPTION       |
|------------|-------|-------------------|
| PX 18316   | 18316 | Control cable 30' |



(Used on ST-23A)

| PROFAX NO. | ESAB®  | DESCRIPTION     |
|------------|--------|-----------------|
| PX 636476  | 636476 | Power cable 30' |

## REMOTE FINGER TIP CONTROL



| PROFAX NO.  | ESAB®    | DESCRIPTION                                    |
|-------------|----------|--|
| PX TC-2B    | TC-2B    | Finger tip control w/27' cord and 14 pin plug. |
| PX TC-2B-52 | TC-2B-52 | Finger tip control w/52' cord and 14 pin plug. |

Direct connects to Miniarc 90i, Miniarc 140i, Heliarc 160i, Heliarc 161 AC/DC, Heliarc 252 AC/DC, and Heliarc 352 AC/DC

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## CROSSOVER LIST FOR DRIVE ROLLS



**FOR USE WITH THE:**  
Dip Pak 250, Mig 2E, Mig 4HD, Migmaster 250, Migmaster 251, Migmaster 300i, MobileMaster 2 and Aristo  
**Note: DRIVE ROLLS MUST BE ORDERED BY PROFAX PART NUMBER.**

| For ESAB (L-TEC)                    |           | Wire Sizes      | PROFAX       | Wire Sizes            |          |
|-------------------------------------|-----------|-----------------|--------------|-----------------------|----------|
| Type                                | Part No.  | Groove 1        | Groove 2     | Groove 1              | Groove 2 |
| "V"<br>Hard<br>Wires                | 21155     | .023 & .030     | order - 9054 | .024 & .030           |          |
|                                     | 21156     | .035 & .045     | order - 9055 | .035 & .035           |          |
|                                     |           |                 | order - 9056 | .045 & .045           |          |
| "U"<br>Aluminum<br>Wires            | 21158     | .035 & .045     | 'opt. - 9060 | .030 & .035           |          |
|                                     | 21159     | .364 & .116     | order - 9061 | .035 & .364           |          |
|                                     | 21160     | .030 & .035     | 'opt. - 9062 | .040 & .045           |          |
| "VK"<br>(Knurled)<br>Cored<br>Wires | 21161     | .045 & .052/116 | order - 9057 | .030/.035 & .030/.035 |          |
|                                     |           |                 | order - 9058 | .045 & .045           |          |
|                                     |           |                 | order - 9059 | .052/116 & .052/116   |          |
| Pressure<br>Rolls                   | 2361 2369 | ²Flat Knurled   | order - 9053 | ²Flat Knurled         |          |
|                                     | 2361 2397 | Flat Smooth     | order - 9052 | Flat Smooth           |          |

<sup>1</sup>Optional

<sup>2</sup>Flat Knurled pressure rolls are used with knurled grooved rolls when extra wire drive is required.

Two roll drive systems require 1 lower grooved roll and 1 flat upper pressure roll.

Four roll drive systems require 2 lower grooved rolls and 2 flat upper pressure rolls.

## DRIVE ROLLS

Serrated "V" groove for cored wires



For use with: MIG 35/Digi MIG/Digi Pulse/EH-10A/EH-11

| PROFAX NO. | ESAB®   | DESCRIPTION              |
|------------|---------|--------------------------|
| PX 600218  | 600218R | .052 serrated feed roll  |
| PX 600219  | 600219R | 1/16" serrated feed roll |

## REMOTE FOOT CONTROL



Operates contactor  
and  
controls output.

| PROFAX NO. | ESAB®     | DESCRIPTION   |
|------------|-----------|---|
| EFC-14     | FC-5B EHD | Heavy Duty Foot control w/25' cord and 14 pin plug. |

Direct connects to Miniarc 90i, Miniarc 140i, Heliarc 160i, Heliarc 161 AC/DC, Heliarc 252 AC/DC, and Heliarc 352 AC/DC

**ESAB®**



Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO. | LINCOLN®     | WIRE SIZE | TIP I.D. | PROFAX NO.                                       | LINCOLN®  | WIRE SIZE   | TIP I.D.   |                              |
|------------|--------------|-----------|----------|--|---|---|--|------------------------------|
| 11-23      | KP11-25      | .023      | .031     | M6 - 1 Thd.<br>1/4" x 1"                         | S10125-1/16<br>S10125-5/64<br>S10125-3/32<br>S10125-7/64<br>S10125-1/8<br>S10125-5/32<br>S10125-3/16<br>S10125-7/32 | 1/16"<br>5/64"<br>3/32"<br>7/64"<br>1/8"<br>5/32"<br>3/16"<br>7/32" | .073<br>.093<br>.110<br>.125<br>.140<br>.171<br>.203<br>.234 |                              |
| 11-30      | KP11-30      | .030      | .038     |  | KP1962-3B1  |   |  |                              |
| 11-35      | KP11-35      | .035      | .044     |  | KP1962-1B1  |   |  |                              |
| 11-45      | KP11-45      | .045      | .054     |  | KP1962-4B1  |   |  |                              |
|            |              |           |          |  | KP1962-2B1  |   |  |                              |
| 11T23      | KP11T25      | .023      | .031     | M6 - 1 Thd.<br>1/4" x 1"                         | S10125XL-1/16<br>S10125XL-5/64<br>S10125XL-3/32<br>S10125XL-7/64  | 1/16"<br>5/64"<br>3/32"<br>7/64"                                    | .073<br>.093<br>.110<br>.125                                 |                              |
| 11T30      | KP11T30      | .030      | .038     |  | S10125XL-1/8<br>S10125XL-5/32<br>S10125XL-3/16  | 1/8"<br>5/32"<br>3/16"  | .140<br>.171<br>.203   |                              |
| 11T35      | KP11T35      | .035      | .044     |  | KP1962-5B1  |   |  |                              |
| 11T45      | KP11T45      | .045      | .054     |  |   |   |  |                              |
|            |              |           |          |  |   |   |  |                              |
| 14-23      | KP14-25      | .023      | .031     | 1/4 - 28 Thd.<br>1/4" x 1-1/2"                   | S10125XL-1/16<br>S10125XL-5/64<br>S10125XL-3/32   | 1/16"<br>5/64"<br>3/32"   | .073<br>.093<br>.110   |                              |
| 14-30      | KP14-30      | .030      | .038     |  | S10125XL-7/64   | 7/64"   | .125   |                              |
| 14-35      | KP14-35      | .035      | .044     |  |   |   |  |                              |
| 14-40      | KP14-40      | .040      | .048     |  |   |   |  |                              |
| 14-45      | KP14-45      | .045      | .054     |  |   |   |  |                              |
| 14-52      | KP14-52      | .052      | .064     |  |   |   |  |                              |
| 14-116     | KP14-116     | 1/16"     | .073     |  |   |   |  |                              |
| 14-564     | KP14-564     | 5/64"     | .090     | S18697-44<br>S18697-45<br>S18697-46<br>S18697-52 | KP2010-3B1<br>KP2010-4B1<br>KP2010-5B1<br>KP2010-7B1  | .030<br>.035<br>.036<br>.023  | .040<br>.047<br>.064<br>.031                                 |                              |
| 14A364     | KP14A-364    | 3/64"     | .059     |  |   |   |  |                              |
| 14H30      | KP14H-30     | .030      | .038     |  |   |   |  |                              |
| 14H35      | KP14H-35     | .035      | .044     |  |   |   |  |                              |
| 14H40      | KP14H-40     | .040      | .049     |  |   |   |  |                              |
| 14H45      | KP14H-45     | .045      | .054     |  |   |   |  |                              |
| 14H52      | KP14H-52     | .052      | .064     |  |   |   |  |                              |
| 14H116     | KP14H-116    | 1/16"     | .073     | 1/4 - 28 Thd.<br>1/4" x 1-1/2"                   | S23978-1<br>S23978-2<br>S23978-3<br>S23978-29   | KP2072-5B1<br>KP2072-10B1<br>KP2072-12B1<br>KP2072-11B1             | .035<br>.045-3/64<br>1/16"<br>.030                           | .044<br>.060<br>.073<br>.040 |
| 14H564     | KP14H-564    | 5/64"     | .090     |  |   |   |  |                              |
| 14AH364    | KP14AH-364   | 3/64"     | .059     |  |   |   |  |                              |
| 14AH116    | KP14AH-116   | 1/16"     | .078     |  |   |   |  |                              |
| 14T23      | KP14T-25     | .023      | .031     | 1/4 - 28 Thd.<br>1/4" x 1-1/2"                   | S8087-045<br>S8087-1/16<br>S8087-5/64<br>S8087-3/32   | KP2082-2B1<br>KP2082-1B1  | .045<br>1/16"<br>5/64"<br>3/32"                              | .054<br>.073<br>.093<br>.109 |
| 14T30      | KP14T-30     | .030      | .038     |  |   |   |  |                              |
| 14T35      | KP14T-35     | .035      | .044     |  |   |   |  |                              |
| 14T40      | KP14T-40     | .040      | .047     |  |   |   |  |                              |
| 14T45      | KP14T-45     | .045      | .054     |  |   |   |  |                              |
| 14T52      | KP14T-52     | .052      | .064     |  |   |   |  |                              |
| 14T116     | KP14T-116    | 1/16"     | .073     |  |   |   |  |                              |
| 15HFC35    | KP15HFC-35   | .035      | .044     | 5/16 - 24 Thd.<br>11/32" x 1-5/8"                | T12011-045<br>T12011-1/16<br>T12011-068<br>T12011-068   | KP2086-2B1<br>KP2086-1B1  | .045<br>1/16"<br>5/64"<br>3/32"                              | .054<br>.078<br>.083<br>.109 |
| 15HFC45    | KP15HFC-45   | .045      | .054     |  |   |   |  |                              |
| 15HFC52    | KP15HFC-52   | .052      | .064     |  |   |   |  |                              |
| 15HFC116   | KP15HFC-116  | 1/16"     | .073     |  |   |   |  |                              |
| 15HFC564   | KP15HFC-564  | 5/64"     | .090     |  |   |   |  |                              |
| 15HFC332   | KP15HFC-332  | 3/32"     | .106     |  |   |   |  |                              |
| 15HFC764   | KP15HFC-764  | 7/64"     | .120     |  |   |   |  |                              |
| 15HFC18    | KP15HFC-18   | 1/8"      | .140     |  |   |   |  |                              |
| 15AHFC364  | KP15AHFC-364 | 3/64"     | .059     |  |   |   |  |                              |
| 15AHFC116  | KP15AHFC-116 | 1/16"     | .078     |  |   |   |  |                              |
| 15H35      | KP15H-35     | .035      | .044     |  |   |   |  |                              |
| 15H45      | KP15H-45     | .045      | .054     |  |   |   |  |                              |
| 15H52      | KP15H-52     | .052      | .064     |  |   |   |  |                              |
| 15H116     | KP15H-116    | 1/16"     | .073     | 5/16 - 24 Thd.<br>11/32" x 2"                    | T12236-045<br>T12236-1/16<br>T12236-068<br>T12236-068   | KP2088-3B1<br>KP2088-2B1  | .045<br>1/16"<br>.068<br>.072                                | .054<br>.078<br>.083<br>.087 |
| 15H564     | KP15H-564    | 5/64"     | .090     |  |   |   |  |                              |
| 15H332     | KP15H-332    | 3/32"     | .106     |  |   |   |  |                              |
| 15H764     | KP15H-764    | 7/64"     | .120     |  |   |   |  |                              |
| 15H18      | KP15H-18     | 1/8"      | .140     |  |   |   |  |                              |
| 15AH364    | KP15AH-364   | 3/64"     | .059     |  |   |   |  |                              |
| 15AH116    | KP15AH-116   | 1/16"     | .078     |  |   |   |  |                              |
| 16S-30     | KP16S-30     | .030      | .040     |  |   |   |  |                              |
| 16S-35     | KP16S-35     | .035      | .044     |  |   |   |  |                              |
| 16S-45     | KP16S-45     | .045      | .054     |  |   |   |  |                              |
| 16S-52     | KP16S-52     | .052      | .064     |  |   |   |  |                              |
| 16S-116    | KP16S-116    | 1/16"     | .073     | M8 - 1.25 Thd.<br>3/8" x 1-1/2"                  | T12236-045<br>T12236-1/16<br>T12236-068<br>T12236-068   | KP2088-4B1<br>KP2088-1B1  | .045<br>1/16"<br>.068<br>.072                                | .054<br>.078<br>.083<br>.087 |
| 16S-564    | KP16S-564    | 5/64"     | .093     |  |   |   |  |                              |
| 16S-332    | KP16S-332    | 3/32"     | .109     |  |   |   |  |                              |
|            |              |           |          |  |   |   |  |                              |

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Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO.       | LINCOLN®    | WIRE SIZE | TIP I.D. | PROFAX NO.  | LINCOLN®   | WIRE SIZE      | TIP I.D.       |
|------------------|-------------|-----------|----------|-------------|------------|----------------|----------------|
| T14050-035       |             | .035      | .044     | S10125-1/16 |            | 1/16"          | .073           |
| T14050-045       |             | .045      | .054     | S10125-5/64 | KP3162-3B1 | 5/64"          | .093           |
| T14050-052       |             | .052      | .063     | S10125-3/32 |            | 3/32"          | .110           |
| T14050-1/16      | KP2100-2B1  | 1/16"     | .078     | S10125-7/64 |            | 7/64"          | .125           |
| T14050-072       | KP2100-1B1  | .068-.072 | .087     | S10125-1/8  | KP3162-1B1 | 1/8"           | .140           |
| T14050-5/64      | KP2100-4B1  | 5/64"     | .093     | S10125-5/32 | KP3162-4B1 | 5/32"          | .171           |
| T14050-3/32      | KP2100-3B1  | 3/32"     | .108     | S10125-3/16 | KP3162-2B1 | 3/16"          | .203           |
| T14050-7/64      |             | 7/64"     | .125     | S10125-7/32 | KP3162-5B1 | 7/32"          | .234           |
| T14050-1/8       |             | 1/8"      | .138     |             |            |                |                |
| T14050-2-035     |             | .035      | .044     |             |            |                |                |
| T14050-2-045     |             | .045      | .054     |             |            |                |                |
| T14050-2-052     |             | .052      | .063     |             |            |                |                |
| T14050-2-1/16    |             | 1/16"     | .078     |             |            |                |                |
| T14050-2-068     |             | .068-.072 | .087     | 21-50       | KP21-50    | Nozzle 1/2"    | M11 - 1.5 Thd. |
| T14050-2-5/64    |             | 5/64"     | .093     |             |            |                | 1/2"           |
| T14050-2-3/32    |             | 3/32"     | .108     |             |            |                | 2-1/4"         |
| T14050-2-7/64    |             | 7/64"     | .125     |             |            |                |                |
| T14050-2-1/8     |             | 1/8"      | .138     |             |            |                |                |
| T14050-2.75-035  |             | .035      | .044     |             |            |                |                |
| T14050-2.75-045  |             | .045      | .054     |             |            |                |                |
| T14050-2.75-052  |             | .052      | .063     |             |            |                |                |
| T14050-2.75-1/16 |             | 1/16"     | .078     | 21-62       | KP21-62    | Nozzle 5/8"    | M11 - 1.5 Thd. |
| T14050-2.75-068  |             | .068-.072 | .087     |             |            |                | 5/8" I.D.      |
| T14050-2.75-5/64 |             | 5/64"     | .093     |             |            |                | 2-1/4"         |
| T14050-2.75-3/32 |             | 3/32"     | .108     |             |            |                |                |
| T14050-2.75-7/64 |             | 7/64"     | .125     |             |            |                |                |
| T14050-2.75-1/8  |             | 1/8"      | .138     |             |            |                |                |
| T14050-3-035     |             | .035      | .044     |             |            |                |                |
| T14050-3-045     |             | .045      | .054     |             |            |                |                |
| T14050-3-052     |             | .052      | .063     |             |            |                |                |
| T14050-3-1/16    |             | 1/16"     | .078     | 21-50F      | KP21-50F   | Nozzle 1/2"    | M11 - 1.5 Thd. |
| T14050-3-068     |             | .068-.072 | .087     |             |            |                | 1/2"           |
| T14050-3-5/64    |             | 5/64"     | .093     |             |            |                | 2-1/16"        |
| T14050-3-3/32    |             | 3/32"     | .108     |             |            |                |                |
| T14050-3-7/64    |             | 7/64"     | .125     |             |            |                |                |
| T14050-3-1/8     |             | 1/8"      | .138     |             |            |                |                |
| T14157-1/16      | KP2103-2B1  | 1/16"     | .078     |             |            |                |                |
| T14157-072       | KP2103-1B1  | .068-.072 | .087     |             |            |                |                |
| T14157-5/64      | KP2103-5B1  | 5/64"     | .093     |             |            |                |                |
| T14157-3/32      | KP2103-4B1  | 3/32"     | .109     |             |            |                |                |
| T14157-7/64      | KP2103-6B1  | 7/64"     | .125     | 21T37       | KP21T-37   | Tapered nozzle | M11 - 1.5 Thd. |
| T14157-120       | KP2103-3B1  | .120      | .140     |             |            |                | 3/8"           |
| T14157-1/8       | KP2103-3B1  | 1/8"      | .140     |             |            |                | 2-1/4"         |
| KP2217-1B1       | KP2217-1B1  | .030      | .040     |             |            |                |                |
| KP2217-2B1       | KP2217-2B1  | .035      | .044     |             |            |                |                |
| KP2217-4B1       | KP2217-4B1  | 3/64"     | .060     |             |            |                |                |
| KP2217-5B1       | KP2217-5B1  | 1/16"     | .075     | 22-37       | KP22-37    | Nozzle 3/8"    | 3/8"           |
| KP2744-035       | KP2744-035  | .035      | .044     |             |            |                | 3/8"           |
| KP2744-045       | KP2744-045  | .045      | .054     |             |            |                | 3-1/8"         |
| KP2744-052       | KP2744-052  | .052      | .063     |             |            |                |                |
| KP2744-116       | KP2744-116  | 1/16"     | .073     |             |            |                |                |
| KP2744-035T      | KP2744-035T | .035      | .044     |             |            |                |                |
| KP2744-045T      | KP2744-045T | .045      | .054     |             |            |                |                |
| KP2744-052T      | KP2744-052T | .052      | .063     |             |            |                |                |
| KP2744-116T      | KP2744-116T | 1/16"     | .073     | 22-50       | KP22-50    | Nozzle 1/2"    | 1/2"           |
| KP2745-035       | KP2745-035  | .035      | .044     |             |            |                | 3-1/8"         |
| KP2745-040       | KP2745-040  | .040      | .049     |             |            |                |                |
| KP2745-045       | KP2745-045  | .045      | .054     |             |            |                |                |
| KP2745-052       | KP2745-052  | .052      | .064     |             |            |                |                |
| KP2745-116       | KP2745-116  | 1/16"     | .073     |             |            |                |                |
| KP2745-072       | KP2745-072  | .068-.072 | .087     | 22-62       | KP22-62    | Nozzle 5/8"    | 5/8"           |
| KP2745-564       | KP2745-564  | 5/64"     | .093     |             |            |                | 3-1/8"         |
| KP2745-332       | KP2745-332  | 3/32"     | .109     |             |            |                |                |
| KP2745-764       | KP2745-764  | 7/64"     | .125     |             |            |                |                |
| KP2745-18        | KP2745-18   | 1/8"      | .140     |             |            |                |                |

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Lincoln®



Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO. | LINCOLN® | PROFAX NO.   | LINCOLN®   |
|------------|----------|--------------|--|
| 23-37      | KP23-37  | Fixed nozzle | 9/16 - 18 Thd.<br>3/8"<br>3-5/16"                  |
| 23-50      | KP23-50  | Fixed nozzle | 9/16 - 18 Thd.<br>1/2"<br>3-5/16"                  |
| 23-62      | KP23-62  | Fixed nozzle | 9/16 - 18 Thd.<br>5/8"<br>3-5/16"                  |
| 23-75      | KP23-75  | Fixed nozzle | 9/16 - 18 Thd.<br>3/4"<br>3-5/16"                  |
| 23-37F     | KP23-37F | Fixed nozzle | 9/16 - 18 Thd.<br>3/8"<br>3-5/32"                  |
| 23-50F     | KP23-50F | Fixed nozzle | 9/16 - 18 Thd.<br>1/2"<br>3-5/32"                  |
| 23-62F     | KP23-62F | Fixed nozzle | 9/16 - 18 Thd.<br>5/8"<br>3-5/32"                  |
| 23-75F     | KP23-75F | Fixed nozzle | 9/16 - 18 Thd.<br>3/4"<br>3-5/32"                  |
|            |          | 23H62        | Heavy duty nozzle 5/8"<br>5/8"<br>3-5/16"          |
|            |          | 23T37        | Tapered nozzle<br>9/16 - 18 Thd.<br>3/8"<br>3-1/4" |
|            |          | 23-62FAS     | Spot welding nozzle 5/8"<br>5/8"<br>3.450"         |
|            |          | 24A50        | Adjustable nozzle 1/2"<br>1/2"<br>3-1/2"           |
|            |          | 24A62        | Adjustable nozzle 5/8"<br>5/8"<br>3-1/2"           |
|            |          | 24A50SS      | Adjustable nozzle 1/2"<br>1/2"<br>3-1/2"           |
|            |          | 24A62SS      | Adjustable nozzle 5/8"<br>5/8"<br>3-1/2"           |
|            |          | 24CT62S      | Nozzle 5/8"<br>5/8"<br>1-3/4"                      |
|            |          | 24CT75S      | Nozzle 3/4"<br>3/4"<br>1-3/4"                      |

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Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO. | LINCOLN®  | Diagram & Dimensions                               | PROFAX NO. | LINCOLN® | Diagram & Dimensions   |
|------------|-----------|--|------------|----------|--|
| 25CT-62    | KP25CT-62 | Nozzle 5/8"  | S15900     | KP1987-1 | Insulated nozzle 1 1/4" stickout<br>(Used on K126)             |
| 25CT-75    | KP25CT-75 | Nozzle 3/4"  | S17217-1   | KP1995-1 | Insulated nozzle 2" stickout<br>(Used on K126)                 |
| S23978-4   | KP2072-27 | Gas cup 1/2"<br>(Used with Prince XL)              | T12313     | KP2089-1 | Thread protector<br>(Used on K126)                             |
| KP2213-1   | KP2213-1  | Gas cup 3/8"                                       | KP2907-1   | KP2907-1 | Thread protector<br>(Used on K126)                             |
| KP2214-1   | KP2214-1  | Gas cup 1/2"                                       | T12315     | KP2090-1 | Insulated nozzle 2-3/4" stickout<br>(Used on K126)             |
| KP2215-1   | KP2215-1  | Gas cup 5/8"                                       | T10575     | KP2085-1 | Flux nozzle<br>(Used on K231)                                  |
| S12691-1   | KP1965-1  | Insulated nozzle 2-3/4" stickout<br>(Used on K115) | T10575-875 |          | Flux nozzle<br>(Used on K231)<br><b>(Special 7/8" I.D.)</b>    |
| S13358     | KP1971-1  | Insulated nozzle<br>(Used on K115)                 | T10575XL   |          | Flux nozzle long<br>(Used on K231)<br>(Used with S10125XL Tip) |

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Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO. | LINCOLN® | Diagram & Description | PROFAX NO.                              | LINCOLN®  | Diagram & Description |   |  |  |
|------------|----------|-----------------------|---|-----------|-----------------------|---|--|--|
| 11-550     | KP1968-1 | Nozzle 1/2"           | 1.055"                                  | S18697-47 | KP2010-6              | Gas diffuser<br>(Used with Spool Gun)                                 |  |  |
| 11-562     | KP1968-5 | Nozzle 5/8"           | 1.055"                                  | 35-50     | KP35-50               | Gas diffuser  |  |  |
| 11-575     | KP1968-4 | Nozzle 3/4"           | 1.055"                                  | L51-ADPT  | L51-ADPT              | Diffuser Adapter<br>(For using a 51 Gas Diffuser on Lincoln® gun)     |  |  |
| 32         | KP32     | Insulator             | .700"                                   | 52        | KP52                  | Gas diffuser  |  |  |
| 34A        | KP34A    | Insulator             | 13/16"                                  | 52-23     | KP52-23               | Gas diffuser  |  |  |
| 34CT       | KP34CT   | Insulator             | 1-1/16"                                 | 52FN      | KP52FN                | Gas diffuser  |  |  |
| 35CT       | KP35CT   | Insulator             | 1-1/8"                                  | 54A       | KP54A                 | Gas diffuser  |  |  |
| S13921     | KP1992-1 | Contact tip adapter   | 9/16-18 Thd.<br>5/16-18 Thd.<br>1-5/16" | 55        | KP55                  | Gas diffuser<br>(Use on #5 gun - used with 45N-116, 45-564 conduits)  |  |  |
| S8087-TA   | S8087-TA | Contact tip adapter   | 9/16-18 Thd.<br>3/8-24 Thd.<br>1"       | 55H       | KP55H                 | Gas Diffuser<br>(Use on #5 Gun - used with 45H-332, 45H-764 conduits) |  |  |
| KP2908-1   | KP2908-1 | Tip holder            | 1.430"                                  | 55SW      | KP55SW                | Gas Diffuser<br>(Use on #5 Gun - used with 45-3545, 45-116 conduits)  |  |  |

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218 ELECTRIC machines, torches, and numbers are for your convenience only. We reserve the right to substitute genuine LINCOLN ELECTRIC parts in place of **PROFAX** parts.

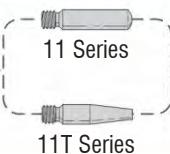


Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

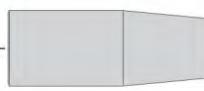
## Adapters designed for converting LINCOLN® MAGNUM® PRO guns to PROFAX front end parts.

**35-50LN** (for Lincoln® Magnum® Pro 100L gun)



11 Series

11T Series



21 Series

**L55HD** (for guns using 42 series liners)



17S Series

**L56HD** (for guns using 44 series liners)

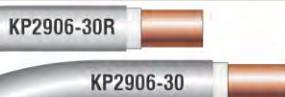


17ST Series



27S Series

## GOOSENECKS FOR K126-11 AND K126-12



Special length and bend jacketed  
goosenecks available upon request.

3/8 - 16 Thd.  
Non Standard

3/8 - 16 Thd.  
Non Standard

| PROFAX NO. | LINCOLN®   | DESCRIPTION                                |
|------------|------------|--|
| KP2906-30R | KP2906-30R | 30° jacketed gooseneck 6" w/reverse bend   |
| KP2906-30  | KP2906-30  | 30° jacketed gooseneck 6" w/o reverse bend |



3/8 - 16 Thd.  
Non Standard

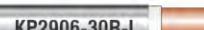
3/8 - 16 Thd.  
Non Standard

| PROFAX NO. | LINCOLN®   | DESCRIPTION                              |
|------------|------------|--|
| KP2906-62R | KP2906-62R | 62° jacketed gooseneck 6" w/reverse bend |
| KP2927-62R | KP2927-62R | 62° braided gooseneck 6" w/reverse bend  |



3/8 - 16 Thd.  
Non Standard

| PROFAX NO. | LINCOLN®  | DESCRIPTION                                |
|------------|-----------|--|
| KP2906-62  | KP2906-62 | 62° jacketed gooseneck 6" w/o reverse bend |



3/8 - 16 Thd.  
Non Standard

3/8 - 16 Thd.  
Non Standard

| PROFAX NO.   | LINCOLN®     | DESCRIPTION                               |
|--------------|--------------|---|
| KP2906-30R-L | KP2906-30R-L | 30° jacketed gooseneck 12" w/reverse bend |
| KP2927-30R-L | KP2927-30R-L | 30° braided gooseneck 12" w/reverse bend  |



3/8 - 16 Thd.  
Non Standard

3/8 - 16 Thd.  
Non Standard

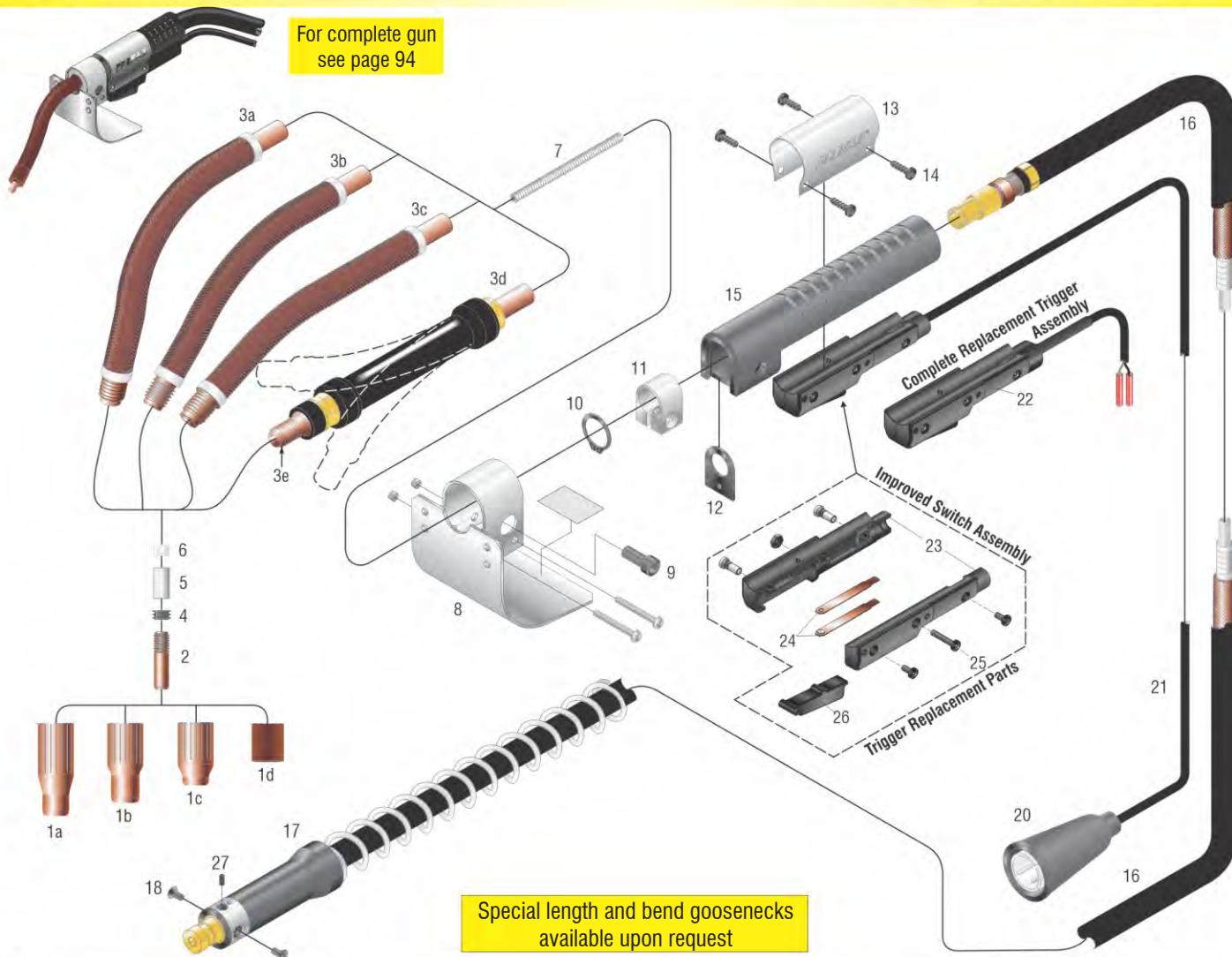
| PROFAX NO.  | LINCOLN®    | DESCRIPTION                                 |
|-------------|-------------|---|
| KP2906-30-L | KP2906-30-L | 30° jacketed gooseneck 12" w/o reverse bend |
| KP3267-1    | KP3267-1    | 30° braided gooseneck 12" w/o reverse bend  |



Replacement Parts Suitable For:  
**Lincoln Electric®**

## K126 Breakdown & Parts List

**PROFAX**



| NO. | PROFAX NO.  | LINCOLN®   | DESCRIPTION  | NO.    | PROFAX NO.         | LINCOLN®           | DESCRIPTION                               |
|-----|---|--|--|--------|--------------------|--------------------|---|
| 1A  | T12315  | KP2090-1   | Insulated nozzle 2-3/4" stickout   | 8      | S13037             | S13037             | Heat shield assembly                      |
| 1B  | S17217-1  | KP1995-1   | Insulated nozzle 2" stickout   | 9      | T14438             | T14438             | Socket head cap screw                     |
| 1C  | S15900  | KP1987-1   | Insulated nozzle 1 1/4" stickout   | 10     | S9776-7            | S9776-7            | Retaining ring                            |
| 1D  | T12313  | KP2089-1   | Thread protector   | 11     | S15921-2           | S15921-2           | Clamp                                     |
| 2   | T14050-035<br>T14050-045<br>T14050-052<br>T14050-1/16<br>T14050-072<br>T14050-5/64<br>T14050-3/32 | KP2100-2B1<br>KP2100-1B1<br>KP2100-4B1<br>KP2100-3B1 | Contact tip .035<br>Contact tip .045<br>Contact tip .052<br>Contact tip 1/16"<br>Contact tip .068-.072<br>Contact tip 5/64"<br>Contact tip 3/32"   | 12     | T12027             | T12027             | Spatter shield                            |
| 3A  | M11476<br>M11476J<br>M14188<br>M14188J  | KP1909-1<br>KP1920-1                                 | 50° gooseneck 6" (standard)<br>50° jacketed gooseneck<br>90° gooseneck 6"<br>90° jacketed gooseneck 6"   | 13     | S15922-1           | S15922-1           | Switch housing clamp                      |
| 3B  | M13304-6<br>M13304-6J<br>M13304-12<br>M13304-12J<br>M13304-12-50<br>M13304-12-50J                 | KP1914-2<br>KP1914-1                                 | 30° gooseneck 6"<br>30° jacketed gooseneck<br>30° gooseneck (XL 12")<br>30° jacketed gooseneck<br>50° gooseneck (XL 12")<br>50° jacketed gooseneck | 14     | 126SS              |                    | Screw for switch housing clamp (4 req'd)  |
| 3C  | M14188-5  |  | Straight gooseneck w/5° bend   | 15     | M10102-1           | M10102-1           | Handle                                    |
| 3D  | LFX-1260  |  | Flexible gooseneck for extreme heat  | 16     | L6250-2<br>L6250-1 | L6250-2<br>L6250-1 | Cable assembly 10'<br>Cable assembly 15'  |
| 3E  | LFA-1   |  | Adapter (replaceable)  | 17     | 15-531             | M14050-1           | INCLUDES                                  |
| 4   | T12932-1  | T12932-1   | Locking screw 5/16"-18   | 18     | 18-881             | 18-881             | Insulator sleeve w/spring                 |
| 5   | T12977-1  | T12977-1   | Steel insert   | 20     | S19757             | S19757             | Flat head screw #8-32 x 3/8" (2 req'd)    |
| 6   | T12576-2  | KP2094-2   | Ceramic insert   | 21     | 16-910             | M12462-10          | Trigger Plug                              |
| 7   | T12931-4<br>T12931-19<br>T12931-26  | KP2095-4<br>T12931-19<br>KP2095-26                   | Gooseneck liner (standard)<br>Gooseneck liner(XL 30°)<br>Gooseneck liner(XL 50°)   | 16-915 | M12462-15          | M12462-15          | Switch assembly 10' (New Style)           |
|     |   |  |  | 16-500 |                    |                    | Switch assembly 15' (New Style)           |
|     |   |  |  | 16-501 |                    |                    | Complete trigger assembly(New Style)      |
|     |   |  |  | 16-502 |                    |                    | Trigger housing (both halves) (New Style) |
|     |   |  |  | 16-503 |                    |                    | Contact set (New Style)                   |
|     |   |  |  | 16-504 |                    |                    | Screw set (6 pieces) (New Style)          |
|     |   |  |  | 18-628 | 18-628             | 18-628             | Trigger (New Style)                       |
|     |   |  |  |        |                    |                    | Socket head screw #8-32 x 7/16"           |



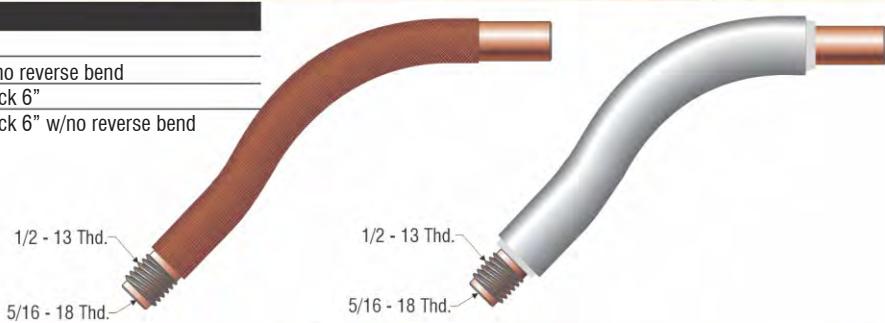
Replacement Parts Suitable For:  
**Lincoln Electric®**

## K126 GOOSENECKS

**PROFAX**

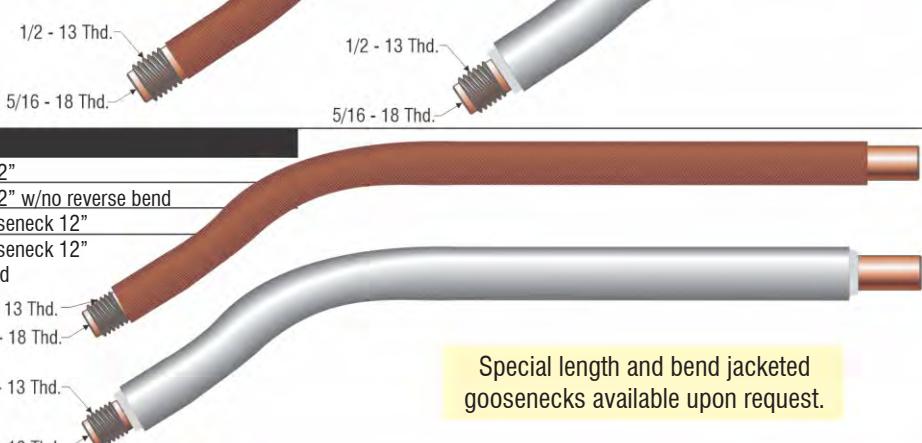
| PROFAX NO. | LINCOLN® | DESCRIPTION                                 |
|------------|----------|---|
| M11476     | KP1909-1 | 50° gooseneck 6"                            |
| 13-304SB   | KP2455-1 | 50° gooseneck 6" w/no reverse bend          |
| M11476J    |          | 50° jacketed gooseneck 6"                   |
| 13-304SBJ  |          | 50° jacketed gooseneck 6" w/no reverse bend |

Used on K126 and K264



| PROFAX NO. | LINCOLN® | DESCRIPTION               |
|------------|----------|---------------------------|
| M13304-6   | KP1914-2 | 30° gooseneck 6"          |
| M13304-6J  |          | 30° jacketed gooseneck 6" |

Used on K126 and K264



| PROFAX NO. | LINCOLN®     | DESCRIPTION                                  |
|------------|--------------|--|
| M13304-12  | KP1914-1     | 30° gooseneck 12"                            |
| 13-306SB   | KP2456-1     | 30° gooseneck 12" w/no reverse bend          |
| M13304-12J | KP2927-30R-L | 30° jacketed gooseneck 12"                   |
| 13-306SBJ  |              | 30° jacketed gooseneck 12" w/no reverse bend |

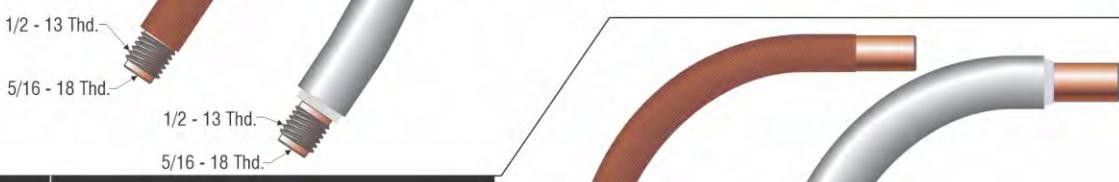
Used on K126 and K264

Special length and bend jacketed goosenecks available upon request.



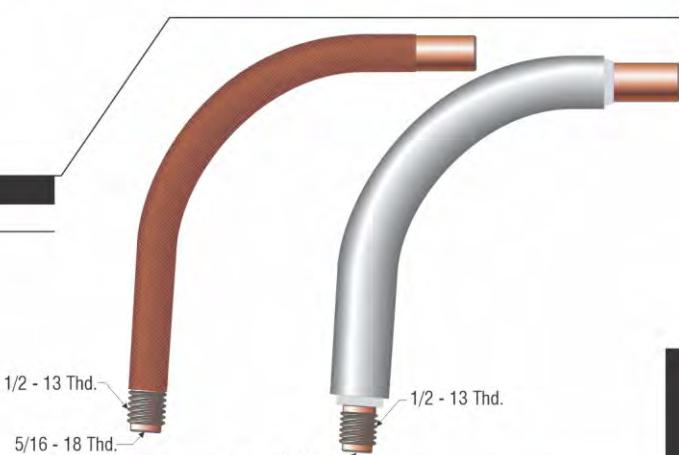
| PROFAX NO.    | LINCOLN® | DESCRIPTION                |
|---------------|----------|----------------------------|
| M13304-12-50  |          | 50° gooseneck 12"          |
| M13304-12-50J |          | 50° jacketed gooseneck 12" |

Used on K126 and K264



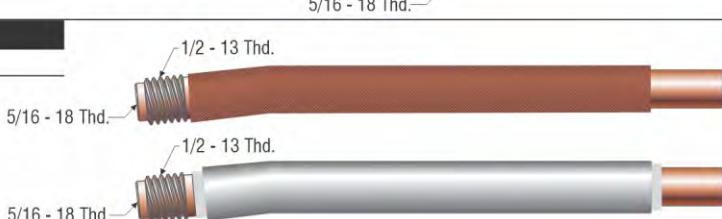
| PROFAX NO. | LINCOLN® | DESCRIPTION               |
|------------|----------|---------------------------|
| M14188     | KP1920-1 | 90° gooseneck 6"          |
| M14188J    |          | 90° jacketed gooseneck 6" |

Used on K126 and K264



| PROFAX NO. | LINCOLN® | DESCRIPTION              |
|------------|----------|--------------------------|
| M14188-5   |          | 5° gooseneck 6"          |
| M14188-5J  |          | 5° jacketed gooseneck 6" |

Used on K126 and K264



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**Lincoln®**

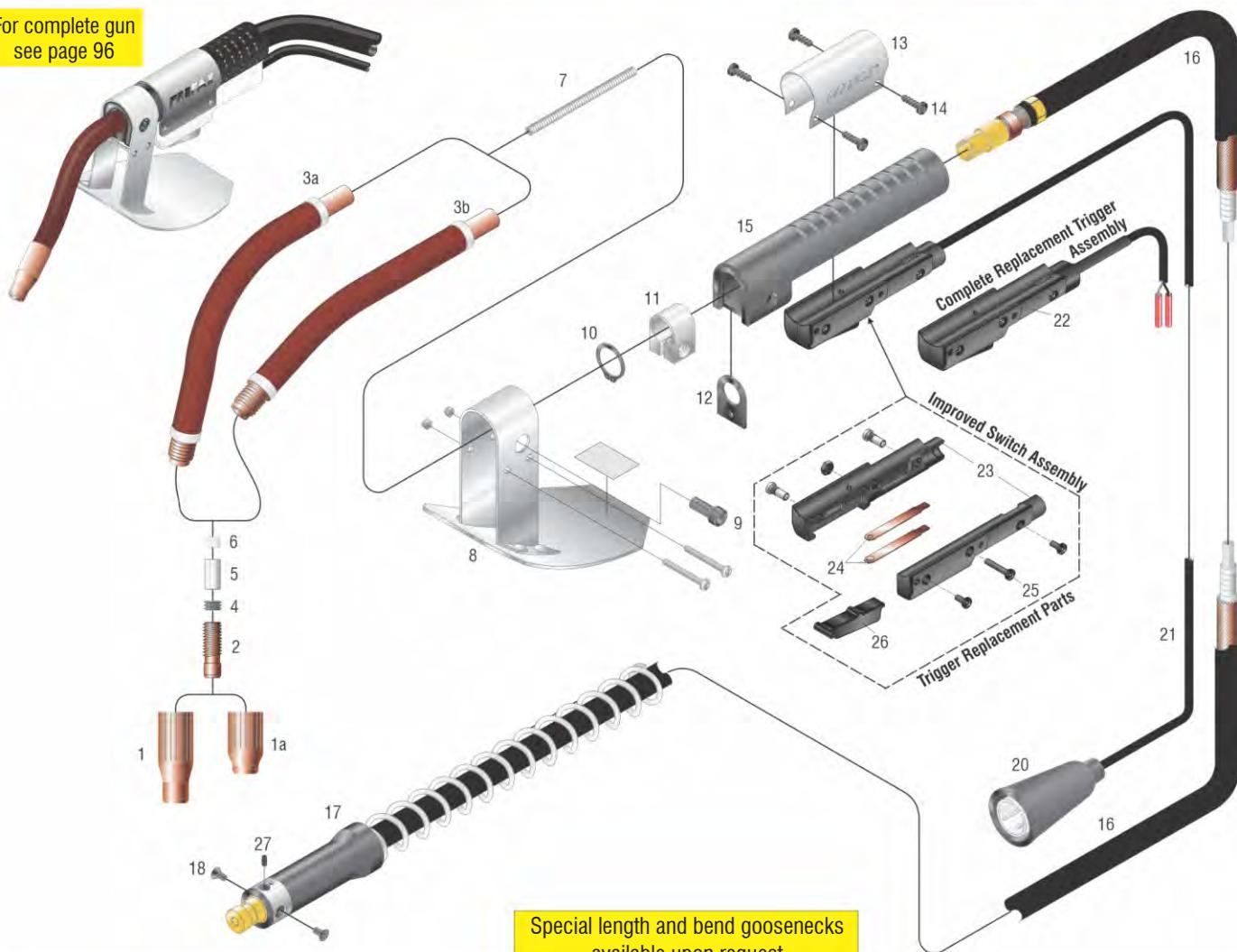


Replacement Parts Suitable For:  
**Lincoln Electric®**

## K115 Breakdown & Parts List

**PROFAX**

For complete gun  
see page 96



| NO. | PROFAX NO.     | LINCOLN®   | DESCRIPTION                       | NO.    | PROFAX NO. | LINCOLN®  | DESCRIPTION                               |
|-----|----------------|------------|-----------------------------------|--------|------------|-----------|---|
| 1   | S12691-1       | KP1965-1   | Insulated nozzle 2-3/4" stickout  | 8      | S12880     | S12880    | Heat shield assembly                      |
| 1A  | S13358         | KP1971-1   | Insulated nozzle 2" stickout      | 9      | T14438     | T14438    | Socket head cap screw                     |
| 2   | T14157-1/16    | KP2103-2B1 | Contact tip 1/16"                 | 10     | S9776-7    | S9776-7   | Retaining ring                            |
|     | T14157-068     |            | Contact tip .068                  | 11     | S15921-2   | S15921-2  | Clamp                                     |
|     | T14157-072     | KP2103-1B1 | Contact tip .072                  | 12     | T12027     | T12027    | Spatter shield                            |
|     | T14157-5/64    | KP2103-5B1 | Contact tip 5/64"                 | 13     | S15922-1   | S15922-1  | Switch housing clamp                      |
|     | T14157-3/32    | KP2103-4B1 | Contact tip 3/32"                 | 14     | I26SS      |           | Screw for switch housing clamp (4 req'd)  |
|     | T14157-7/64    | KP2103-6B1 | Contact tip 7/64"                 | 15     | M10102-1   | M10102-1  | Handle                                    |
|     | T14157-120     | KP2103-3B1 | Contact tip .120                  | 16     | L5728-10   | L5728-10  | Cable assembly 10'                        |
|     | T14157-1/8     | KP2103-3B1 | Contact tip 1/8"                  |        | L5728-5    | L5728-5   | Cable assembly 15'                        |
| 3A  | M11474-3/32    | KP1907-2   | 82° gooseneck 3/32"               | 17     | 15-531     | M14048    | INCLUDES                                  |
|     | M11474-3/32J   |            | 82° jacketed gooseneck 3/32"      | 18     | 18-881     | 18-881    | Insulator sleeve w/spring                 |
|     | M11474-120     | KP1907-1   | 82° gooseneck 7/64"-1/8"          | 20     | S19757     | S19757    | Flat head screw #8-32 x 3/8" (2 req'd)    |
|     | M11474-120J    |            | 82° jacketed gooseneck 7/64"-1/8" | 21     | 16-910     | M12462-10 | Trigger plug                              |
|     | M14027-82-5/64 | KP1919-2   | 82° gooseneck 1/16"-5/64"         | 16-915 |            | M12462-15 | Switch assembly 10' (New Style)           |
| 3B  | M11510-3/32    | KP1910-2   | 45° gooseneck 3/32"               |        |            |           | Switch assembly 15' (New Style)           |
|     | M11510-3/32J   |            | 45° jacketed gooseneck 3/32"      | 22     | 16-500     |           | Complete trigger assembly(New Style)      |
|     | M11510-120     | KP1910-1   | 45° gooseneck 7/64"-1/8"          | 23     | 16-501     |           | Trigger housing (both halves) (New Style) |
|     | M11510-120J    |            | 45° jacketed gooseneck 7/64"-1/8" | 24     | 16-502     |           | Contact set (New Style)                   |
|     | M14027-45-5/64 | KP1919-1   | 45° gooseneck 1/16"-5/64"         | 25     | 16-503     |           | Screw set (6 pieces) (New Style)          |
|     | 13-443-14      |            | 5° gooseneck 14" 3/32"-1/8"       | 26     | 16-504     |           | Trigger (New Style)                       |
|     | 13-443-25      |            | 25° gooseneck 3/32"-1/8"          | 27     | 18-628     | 18-628    | Socket head screw #8-32 x 7/16"           |
| 4   | T12932-2       | T12932-2   | INCLUDES                          |        |            |           |   |
| 5   | T12977-2       | T12977-2   | Locking screw 3/8"-16             |        |            |           |   |
| 6   | T12576-3       | KP2094-3   | Steel insert                      |        |            |           |   |
|     | T12576-1       | KP2094-1   | Ceramic insert .120               |        |            |           |   |
|     |                |            | Ceramic insert 3/32"              |        |            |           |   |
| 7   | T12931-5       | T12931-5   | Replacement gooseneck liner 3/32" |        |            |           |   |
|     | T12931-7       | KP2095-6   | Gooseneck liner 7/64"-1/8"        |        |            |           |   |
|     | T12931-32      | KP2095-13  | Gooseneck liner 1/16"-5/64"       |        |            |           |   |

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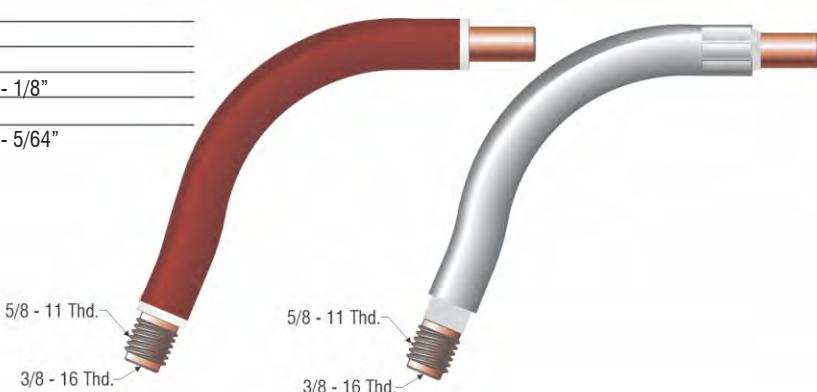
Replacement Parts Suitable For:  
**Lincoln Electric®**

## K115 GOOSENECKS

**PROFAX**

| PROFAX NO.      | LINCOLN® | DESCRIPTION                         |
|-----------------|----------|-------------------------------------|
| M11474-3/32     | KP1907-2 | 82° gooseneck 3/32"                 |
| M11474-3/32J    |          | 82° jacketed gooseneck 3/32"        |
| M11474-120      | KP1907-1 | 82° gooseneck 7/64"- 1/8"           |
| M11474-120J     |          | 82° jacketed gooseneck 7/64"- 1/8"  |
| M14027-82-5/64  | KP1919-2 | 82° gooseneck 1/16"- 5/64"          |
| M14027-82-5/64J |          | 82° jacketed gooseneck 1/16"- 5/64" |

Used on K115



| PROFAX NO.      | LINCOLN® | DESCRIPTION                         |
|-----------------|----------|-------------------------------------|
| M11510-3/32     | KP1910-2 | 45° gooseneck 3/32"                 |
| M11510-3/32J    |          | 45° jacketed gooseneck 3/32"        |
| M11510-120      | KP1910-1 | 45° gooseneck 7/64"- 1/8"           |
| M11510-120J     |          | 45° jacketed gooseneck 7/64"- 1/8"  |
| M14027-45-5/64  | KP1919-1 | 45° gooseneck 1/16"- 5/64"          |
| M14027-45-5/64J |          | 45° jacketed gooseneck 1/16"- 5/64" |

Used on K115



| PROFAX NO. | LINCOLN® | DESCRIPTION                           |
|------------|----------|---------------------------------------|
| 13-443-14  |          | 5° gooseneck 14" 3/32"- 1/8"          |
| 13-443-14J |          | 5° jacketed gooseneck 14" 3/32"- 1/8" |

Special length and bend jacketed goosenecks available upon request.



Used on K115



| PROFAX NO. | LINCOLN® | DESCRIPTION                        |
|------------|----------|------------------------------------|
| 13-443-25  |          | 25° gooseneck 3/32"- 1/8"          |
| 13-443-25J |          | 25° jacketed gooseneck 3/32"- 1/8" |



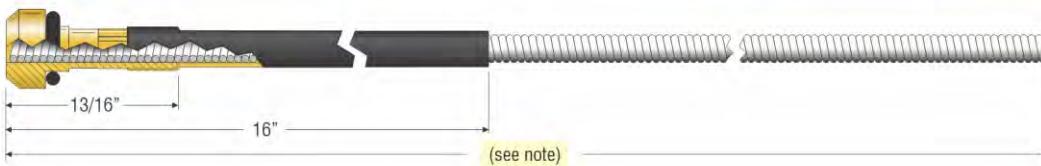
Used on K115

**Lincoln®**

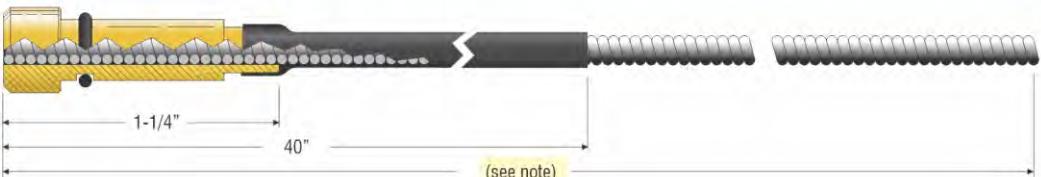


Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**



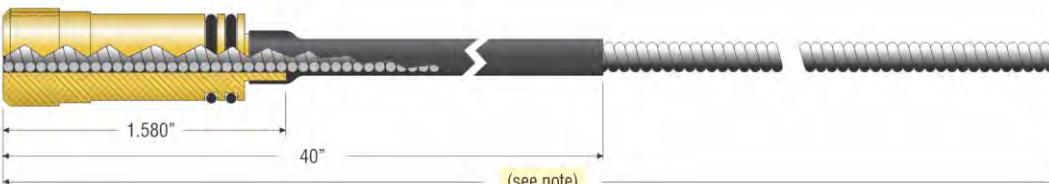
| PROFAX NO. | LINCOLN®   | DESCRIPTION         | I.D. | O.D. |
|------------|------------|---------------------|------|------|
| 23-40-15   |            | 15' liner .023      | .037 | .123 |
| 35-40-15   | KP35-40-15 | 15' liner .030-.035 | .057 | .136 |
| 45-40-15   | KP45-40-15 | 15' liner .040-.045 | .067 | .136 |



| PROFAX NO. | LINCOLN®     | DESCRIPTION         | I.D. | O.D. |
|------------|--------------|---------------------|------|------|
| 42-23-15   | KP42-25-15   | 15' liner .023      | .044 | .125 |
| 42-3035-15 | KP42-3035-15 | 15' liner .030-.035 | .052 | .156 |
| 42-4045-15 | KP42-4045-15 | 15' liner .040-.045 | .060 | .156 |



| PROFAX NO.  | LINCOLN®      | DESCRIPTION                   | I.D. | O.D. |
|-------------|---------------|-------------------------------|------|------|
| 44-3545-15  | KP44-3545-15  | 15' liner .035-.045"          | .067 | .187 |
| 44-116-15   | KP44-116-15   | 15' liner .052-1/16"          | .078 | .187 |
| 44-564-15   | KP44-564-15   | 15' liner 5/64"               | .102 | .187 |
| 44-3545-25  | KP44-3545-25  | 25' liner .035-.045           | .067 | .187 |
| 44-116-25   | KP44-116-25   | 25' liner 1/16"               | .078 | .187 |
| 44-564-25   | KP44-564-25   | 25' liner 5/64"               | .102 | .187 |
| 44N-3545-15 | KP44N-3545-15 | 15' liner .035-3/64" aluminum | .064 | .187 |
| 44N-116-15  | KP44N-116-15  | 15' liner 1/16" aluminum      | .090 | .187 |



| PROFAX NO. | LINCOLN®     | DESCRIPTION           | I.D. | O.D. |
|------------|--------------|-----------------------|------|------|
| 45-3545-15 | KP45-3545-15 | 15' liner .035-.045   | .067 | .187 |
| 45-116-15  | KP45-116-15  | 15' liner 1/16"       | .078 | .187 |
| 45H-332-15 | KP45H-332-15 | 15' liner 5/64"-3/32" | .105 | .237 |
| 45-3545-25 | KP45-3545-25 | 25' liner .035-.045   | .067 | .187 |
| 45-116-25  | KP45-116-25  | 25' liner 1/16"       | .078 | .187 |



(Used with Prince XL)

| PROFAX NO. | LINCOLN®  | DESCRIPTION              |
|------------|-----------|--------------------------|
| 615-0007   | KP2072-30 | Conduit, 15', .030-1/16" |
| 615-0008   | KP2072-28 | Conduit, 25', .030-1/16" |
| 615-0068   | KP2072-29 | Conduit, 50', .030-1/16" |

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Note: 15' wire conduit assembly (16'-0" o.a.l.)  
25' wire conduit assembly (26'-0" o.a.l.)



Replacement Parts Suitable For:  
**Lincoln Electric®**

## LN25 & LN25 PRO

**PROFAX**

### 12 VOLT/250 AMP CONTACTOR

| PROFAX NO. | LINCOLN® | DESCRIPTION |
|------------|----------|-------------|
| 6429       | M15308   |             |
|            | M15308-1 |             |
|            | M15308-2 | Contactor   |
|            | M15308-3 |             |
|            | M15308-4 |             |
|            | M15308-6 |             |

A direct replacement for Lincoln® LN25 wire feeders.

NOTE: THIS IS THE CONTACTOR ONLY AND DOES NOT INCLUDE THE MOUNTING BRACKETS WHICH WERE FURNISHED BY THE EQUIPMENT MANUFACTURER IN THE ORIGINAL CONTACTOR KITS.

This is a direct replacement suitable for the Lincoln® M15308-1, 2, & 6 contactor that is used in the M17586 and M15423 contactor kits for the LN25 voltage sensing wire feeder.



### DRIVE ROLL KITS

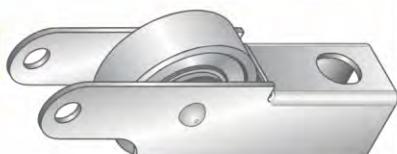


Drive roll kits for LN25 & LN25 Pro see pages 229-231.

### PRESSURE ARM AND IDLER BEARING

#### S16666-1

For LN-7, LN-7GMA,  
LN-742, LN-9GMA, LN-22,  
LN-23P, LN-25, & LT-7



### SPINDLE ADAPTER

| PROFAX NO. | LINCOLN® | DESCRIPTION                     |
|------------|----------|---------------------------------|
| PX K435    | K435     | Spindle adapter for 14 lb. coil |



### SENSOR LEAD

| PROFAX NO.  | LINCOLN® | DESCRIPTION     |
|-------------|----------|-----------------|
| PX S17211-1 | S17211-1 | 17' Sensor Lead |
| PX S17211-4 | S17211-4 | 17' Sensor Lead |



### TRIGGER ADAPTER

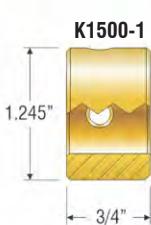
| PROFAX NO. | LINCOLN® | DESCRIPTION                           |
|------------|----------|---------------------------------------|
| PX 202692  | 202692   | Adapter, Trigger, Miller® to Lincoln® |



### ADAPTER BUSHINGS FOR LN25 PRO

| PROFAX NO. | LINCOLN® | DESCRIPTION   |
|------------|----------|---|
| PX K1500-1 | K1500-1  | Adapter bushing-For Lincoln® guns                     |
| PX K1500-2 | K1500-2  | Adapter bushing-For Standard Tweco® Style #2,3,4 guns |

| PROFAX NO. | LINCOLN® | DESCRIPTION                        |
|------------|----------|------------------------------------|
| PX K1500-4 | K1500-4  | Adapter bushing - For Miller® guns |





Replacement Parts Suitable For:  
**Lincoln Electric®**

**K231**

**PROFAX**



## K231 Sub Arc Assembly

| PROFAX NO.   | LINCOLN®  | DESCRIPTION                                |
|--------------|-----------|--|
| PX K231-1    | K231-1    | Sub arc nozzle assembly 3/32", 1/8", 5/32" |
| PX K231-1/16 | K231-1/16 | Sub arc nozzle assembly 1/16"              |
| PX K231-5/64 | K231-5/64 | Sub arc nozzle assembly 5/64"              |
| PX K231-3/32 | K231-3/32 | Sub arc nozzle assembly 3/32"              |
| PX K231-1/8  | K231-1/8  | Sub arc nozzle assembly 1/8"               |
| PX K231-5/32 | K231-5/32 | Sub arc nozzle assembly 5/32"              |
| PX K231-3/16 | K231-3/16 | Sub arc nozzle assembly 3/16"              |
| PX K231-7/32 | K231-7/32 | Sub arc nozzle assembly 7/32"              |

### SPECIAL

## K232-HT Assembly

For use with gas coverage on  
NA-3, NA-4, NA-5, and LT-7.



## K232-HT Parts

| NO. | PROFAX NO. | DESCRIPTION     |
|-----|------------|-----------------|
| 1.  | 17SW       | Shock Washer    |
| 2.  | T9078-1    | Thumb Screw     |
| 3.  | T10574     | Locking Ferrule |
| 4.  | S10147ST   | Retaining Nut   |



## K231 Parts Breakdown

| NO. | PROFAX NO.     | LINCOLN®    | DESCRIPTION                                    |
|-----|----------------|-------------|--|
| 1   | PX S15106-3/32 | S15106-3/32 | Nozzle insert (for 1/16", 5/64" & 3/32" wires) |
| 2   | PX T10570      | T10570      | Socket head screw                              |
| 3   | PX S10493-1    | S10493-1    | Nozzle insulator                               |
| 4   | PX 121312      | 121312      | Hex head screw (1½") & nut (½"-13)             |
| 5   | PX T9967-10    | T9967-10    | Nozzle body roll pin                           |
| 6   | PX S10157      | S10157      | Nozzle body                                    |
| 7   | PX S10125      | S10125      | Contact tip (Specify wire size)                |
| 8   | PX S10138      | S10138      | Flux cone plug (insulator)                     |
| 9   | PX T9078-1     | T9078-1     | Thumb screw                                    |
| 10  | PX T9967-30    | T9967-30    | Flux cone roll pin                             |
| 11  | PX T13835      | T13835      | ¾" x 7" flux hose w/fiber insulator            |
| 11a | PX T13835-IN   | T13835-IN   | Fiber insulator                                |
| 12  | PX M8249       | M8249       | Cone body assembly                             |
| 13  | PX T10574      | T10574      | Locking ferrule                                |
| 14  | PX T10575      | T10575      | Flux cone (KP2085-1)                           |
| 15  | PX S10147      | S10147      | Retaining nut                                  |
| 16  | PX S550FV      | S550FV      | Gate valve                                     |
| 17  | PX S550BHS     | S550BHS     | Screws (2 req'd)                               |
| 18  | PX S550H       | S550H       | Flux hopper w/lid and screws                   |
| 19  | PX S550HL      | S550HL      | Support rim                                    |

## Sub Arc Extensions



THE 6, 9, & 12 INCH EXTENSIONS  
ARE ALSO AVAILABLE WITH  
30°, 45°, 60°, & 90° BEND

| PROFAX NO. | DESCRIPTION       | PROFAX NO. | DESCRIPTION               |
|------------|-------------------|------------|---------------------------|
| 1 Inch     | Sub arc extension | 7-1/2 Inch | Sub arc extension         |
| 1-1/2 Inch | Sub arc extension | 9 Inch     | Sub arc extension         |
| 2 Inch     | Sub arc extension | 10 Inch    | Special sub arc extension |
| 2-1/2 Inch | Sub arc extension | 12 Inch    | Sub arc extension         |
| 3 Inch     | Sub arc extension | 18 Inch    | Sub arc extension         |
| 3-1/2 Inch | Sub arc extension | 24 Inch    | Sub arc extension         |
| 4 Inch     | Sub arc extension | 36 Inch    | Sub arc extension         |
| 5 Inch     | Sub arc extension | 48 Inch    | Sub arc extension         |
| 6 Inch     | Sub arc extension |            |                           |



Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

## CONTACT TIP

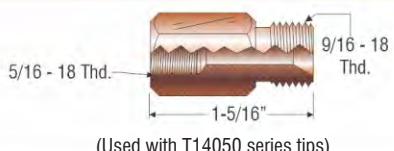
| PROFAX NO.  | LINCOLN®   | WIRE SIZE | TIP I.D. |
|-------------|------------|-----------|----------|
| S10125-1/16 |            | 1/16"     | .078     |
| S10125-5/64 |            | 5/64"     | .093     |
| S10125-3/32 | KP1962-3B1 | 3/32"     | .110     |
| S10125-7/64 |            | 7/64"     | .125     |
| S10125-1/8  | KP1962-1B1 | 1/8"      | .140     |
| S10125-5/32 | KP1962-4B1 | 5/32"     | .172     |
| S10125-3/16 | KP1962-2B1 | 3/16"     | .203     |
| S10125-7/32 | KP1962-5B1 | 7/32"     | .234     |



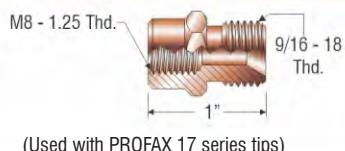
## FLUX CONE

| PROFAX NO. | LINCOLN® | DESCRIPTION                   |
|------------|----------|-------------------------------|
| T10575     | KP2085-1 | Flux cone (Standard)          |
| T10575-875 |          | Flux cone (Special 7/8" I.D.) |

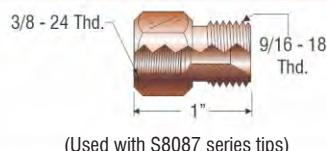
## TIP ADAPTERS FOR K231



(Used with T14050 series tips)

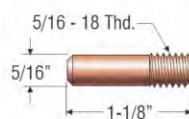


(Used with PROFAX 17 series tips)



(Used with S8087 series tips)

| PROFAX NO. | LINCOLN® | DESCRIPTION         | PROFAX NO. | DESCRIPTION         | PROFAX NO. | DESCRIPTION         |
|------------|----------|---------------------|------------|---------------------|------------|---------------------|
| S13921     | KP1992-1 | Contact tip adapter | 17S-TA     | Contact tip adapter | S8087-TA   | Contact tip adapter |



\*Also available in longer lengths (See page 215)

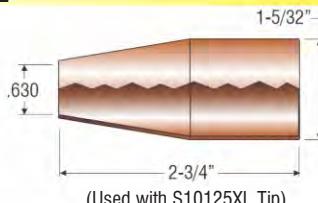


| PROFAX NO.  | LINCOLN®   | WIRE SIZE | TIP I.D. |
|-------------|------------|-----------|----------|
| T14050-045  |            | .045      | .054     |
| T14050-1/16 | KP2100-2B1 | 1/16"     | .078     |
| T14050-5/64 | KP2100-4B1 | 5/64"     | .093     |
| T14050-3/32 | KP2100-3B1 | 3/32"     | .108     |
| T14050-7/64 |            | 7/64"     | .125     |
| T14050-1/8  |            | 1/8"      | .138     |
|             |            |           | 17S-45   |
|             |            |           | .045     |
|             |            |           | .054     |
|             |            |           | 17S-116  |
|             |            |           | 1/16"    |
|             |            |           | .073     |
|             |            |           | 17S-564  |
|             |            |           | 5/64"    |
|             |            |           | .093     |
|             |            |           | 17S-332  |
|             |            |           | 3/32"    |
|             |            |           | .108     |
|             |            |           | 17S-764  |
|             |            |           | 7/64"    |
|             |            |           | .125     |
|             |            |           | 17S-18   |
|             |            |           | 1/8"     |
|             |            |           | .138     |

## SPECIALS FOR DEEP GROOVE



(Used with T10575XL)

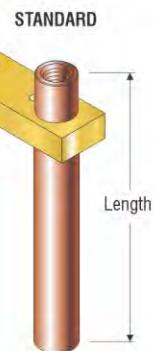


(Used with S10125XL Tip)

| PROFAX NO.    | LINCOLN® | WIRE SIZE | TIP I.D. |
|---------------|----------|-----------|----------|
| S10125XL-1/16 |          | 1/16"     | .078     |
| S10125XL-5/64 |          | 5/64"     | .093     |
| S10125XL-3/32 |          | 3/32"     | .110     |
| S10125XL-7/64 |          | 7/64"     | .125     |
| S10125XL-1/8  |          | 1/8"      | .140     |
| S10125XL-5/32 |          | 5/32"     | .172     |
| S10125XL-3/16 |          | 3/16"     | .203     |

| PROFAX NO. | DESCRIPTION    |
|------------|----------------|
| T10575XL   | Flux cone long |

## S10157



| PROFAX NO.   | O.A.L. | TYPE     |
|--------------|--------|----------|
| S10157       | 5-3/8" | Standard |
| S10157-2.625 | 2-5/8" | Special  |
| S10157-3     | 3"     | Special  |
| S10157-4     | 4"     | Special  |

| PROFAX NO. | DESCRIPTION  |
|------------|--|
| WS-LSA     | Wire straightener with anti-wear guide and adapter for NA-3, NA-4, NA-5, and LT-7                |
| WS-LSAQ    | Wire straightener with quick connect for QCC conduits and adapter for NA-3, NA-4, NA-5, and LT-7 |

See page 187 for more information



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Replacement Parts Suitable For:

**Lincoln Electric®**

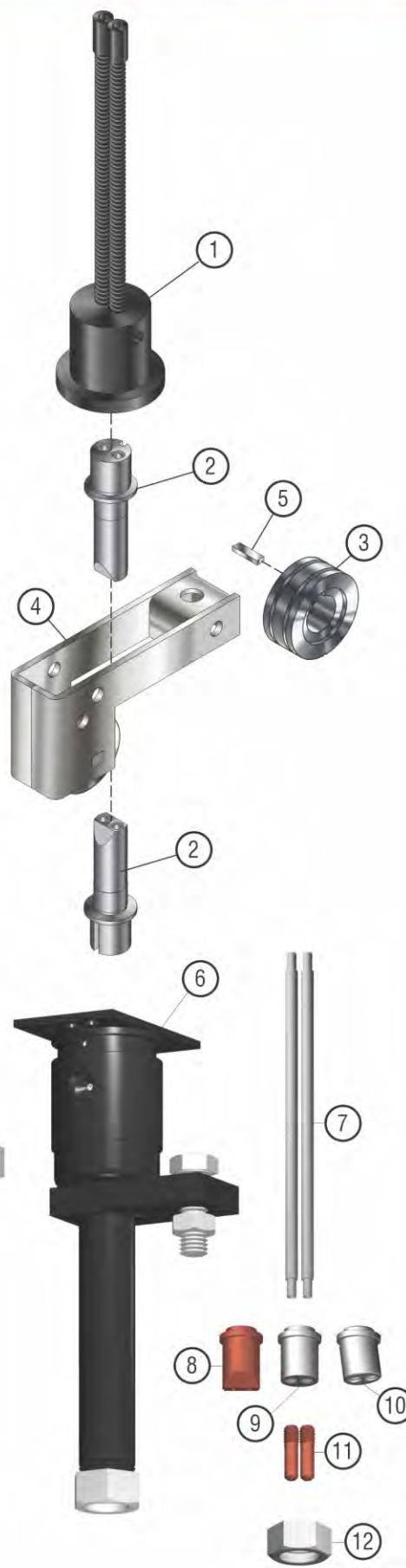
**Twin Sub Arc Assemblies**

**PROFAX**

| NO. | PROFAX NO. | DESCRIPTION                  | QTY |
|-----|------------|------------------------------|-----|
| 1.  | KP2122-1   | Incoming wire guide assembly | 1   |
| 2.  | KP1970-3   | Wire guides (2 required)     | 2   |
| 3.  | KP1888-2   | Drive roll 1/16" - 5/64"     | 1   |
| 4.  | S13165     | Idle roll assembly           | 1   |
| 5.  | M8776-6    | Drive roll key               | 1   |

| NO. | PROFAX         | LINCOLN®    | DESCRIPTION                      |
|-----|----------------|-------------|----------------------------------|
| 6.  | PX M11609      | M11609      | Nozzle assembly                  |
| 7.  | PX KP2092-1    | T12507-.045 | Guide tube .045-.052             |
|     | PX KP2092-2    | T12507-5/64 | Guide tube 1/16", 5/64", & 3/32" |
| 8.  | PX KP1979-1    | S14033-.045 | Contact tip .045                 |
|     | PX KP1979-2    | S14033-.052 | Contact tip .052                 |
|     | PX KP1979-3    | KP1979-3    | Contact tip 1/16"                |
|     | PX S14033-5/64 | S14033-5/64 | Contact tip 5/64"                |
| 9.  | PX TAS15954    | TAS15954    | Optional straight tip holder     |
| 10. | PX KP1988-1    | S15954      | Tip holder angled (standard)     |
| 11. | PX T14050-.045 | T14050-.045 | Contact tip .045                 |
|     | PX T14050-.052 | T14050-.052 | Contact tip .052                 |
|     | PX KP2100-2B1  | KP2100-2B1  | Contact tip 1/16"                |
|     | PX KP2100-4B1  | KP2100-4B1  | Contact tip 5/64"                |
|     | PX KP2100-3B1  | KP2100-3B1  | Contact tip 3/32"                |
| 12. | PX S13157      | S13157      | Nozzle collar                    |



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Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

## Drive Roll Kits for NA-3, NA-4 & NA-5 Sub-Arc Heads

| PART NO.   | DESCRIPTION    | WIRE SIZE     |
|------------|----------------|---------------|
| PXKP1899-1 | Drive roll kit | 3/32" - 7/32" |

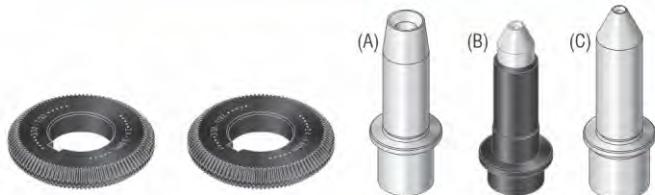


| PART NO.   | DESCRIPTION    | WIRE SIZE             |
|------------|----------------|-----------------------|
| PXKP1899-2 | Drive roll kit | 1/16", 5/64", & 3/32" |

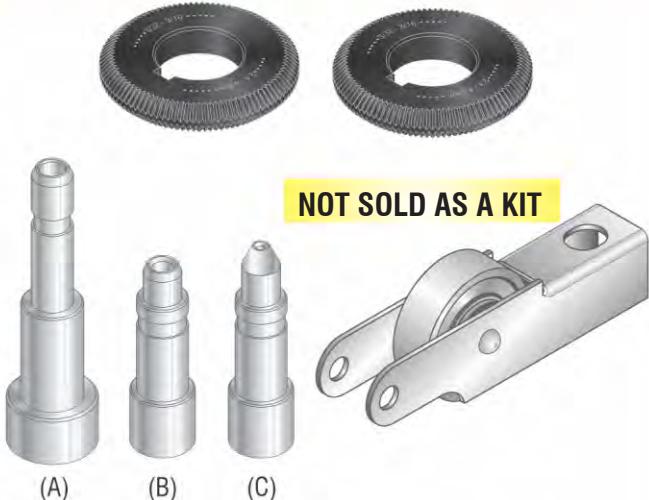


Individual drive rolls and guides for NA-3, NA-4 & NA-5 Sub-Arc Heads

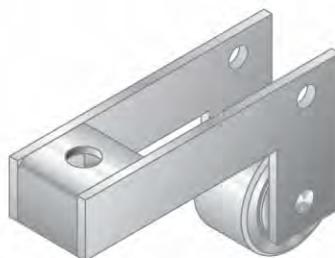
| PART NO.   | DESCRIPTION         | WIRE SIZE             | WIRE TYPE     |
|------------|---------------------|-----------------------|---------------|
| PXKP1885-1 | Drive roll (2 req.) | 3/32" - 7/32"         | Cored & Solid |
| PXKP1886-1 | Drive roll (2 req.) | 1/16", 5/64", & 3/32" | Cored & Solid |
| PXKP1963-1 | Outlet guide (A)    | 3/32" - 7/32"         | Cored & Solid |
| PXKP2097-2 | Outlet guide (B)    | 1/16", 5/64", & 3/32" | Cored & Solid |
| PXKP2116-1 | Inlet guide (C)     | 1/16", 5/64", & 3/32" | Cored & Solid |
| PXKP2116-2 | Inlet guide (A)     | 3/32" - 7/32"         | Cored & Solid |



### LT-7 Tractor Wire Drive Components



### Pressure Arm for NA-3, NA-4 & NA-5 Sub-Arc Heads



| PART NO.   | DESCRIPTION        | WIRE SIZE     | WIRE TYPE     | PART NO. | DESCRIPTION  |
|------------|--------------------|---------------|---------------|----------|--------------|
| PXKP2268-1 | Drive roll (2 req) | .052" - 1/16" | Cored & Solid | PXS12475 | Pressure arm |
| PXKP2268-2 | Drive roll (2 req) | .068" - 3/32" | Cored & Solid |          |              |
| PXKP2268-3 | Drive roll (2 req) | 3/32" - 3/16" | Cored & Solid |          |              |
| PXKP2268-4 | Drive roll (2 req) | .045C - .052C | Cored & Solid |          |              |
| PXKP1984-1 | Inlet guide (A)    | .068 - 3/16"  | Cored & Solid |          |              |
| PXKP1985-1 | Outlet guide (C)   | 3/32" - 3/16" | Cored & Solid |          |              |
| PXKP1985-2 | Outlet guide (B)   | .068 - 3/32"  | Cored & Solid |          |              |
| PXS1666-1  | Pressure arm       | All           | All           |          |              |

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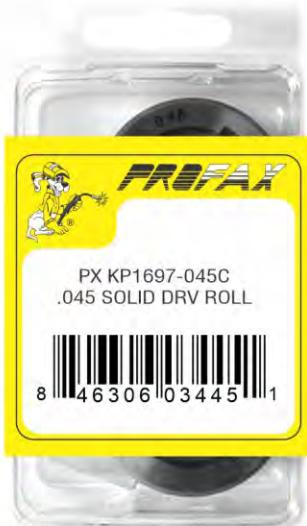


Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

## TWO ROLL KITS

FOR Power MIG 140C, 140T, 180C, 180T, 200, 215, 255, 255C, 300, & 350MP, LN-15, LN-25 Pro, Power Feed 15M & LF-72



KIT CONSISTS OF TWO  
DRIVE ROLLS ONE GUIDE



| 2 ROLL KITS<br>KIT P/N | WIRE SIZE | WIRE TYPE     |
|------------------------|-----------|---------------|
| PX KP1696-030S         | .023-.030 | Solid         |
| PX KP1696-035S         | .035      | Solid         |
| PX KP1696-045S         | .040-.045 | Solid         |
| PX KP1696-052S         | .052      | Solid         |
| PX KP1696-116S         | 1/16      | Solid         |
| PX KP1697-035C         | .035      | Cored         |
| PX KP1697-045C         | .045      | Cored         |
| PX KP1697-052C         | .052      | Cored         |
| PX KP1697-116C         | 1/16      | Cored         |
| PX KP1697-068          | .068-.072 | Cored & Solid |
| PX KP1697-564          | 5/64      | Cored & Solid |
| PX KP1697-332          | 3/32      | Cored & Solid |

## FOUR ROLL KITS

For LN-10, DH-10, STT-10, Power Feed 10, 10M, 10R, Power Feed 10 Dual, Power Feed 11, & LF-74



KIT CONSISTS OF FOUR  
DRIVE ROLLS ONE GUIDE



| 4 ROLL KITS<br>KIT P/N | WIRE SIZE | WIRE TYPE     |
|------------------------|-----------|---------------|
| PX KP1505-030S         | .023-.030 | Solid         |
| PX KP1505-035S         | .035      | Solid         |
| PX KP1505-045S         | .040-.045 | Solid         |
| PX KP1505-052S         | .052      | Solid         |
| PX KP1505-116S         | 1/16"     | Solid         |
| PX KP1505-035C         | .030-.035 | Cored         |
| PX KP1505-045C         | .040-.045 | Cored         |
| PX KP1505-052C         | .052      | Cored         |
| PX KP1505-116C         | 1/16"     | Cored         |
| PX KP1505-068          | .068-.072 | Cored & Solid |
| PX KP1505-564          | 5/64"     | Cored & Solid |
| PX KP1505-332          | 3/32"     | Cored & Solid |
| PX KP1505-764          | 7/64"     | Cored & Solid |
| PX KP1505-120          | .120      | Cored & Solid |

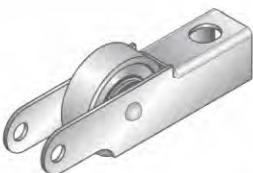
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Replacement Parts Suitable For:  
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**PROFAX**

## PRESSURE ARM & IDLER BEARING



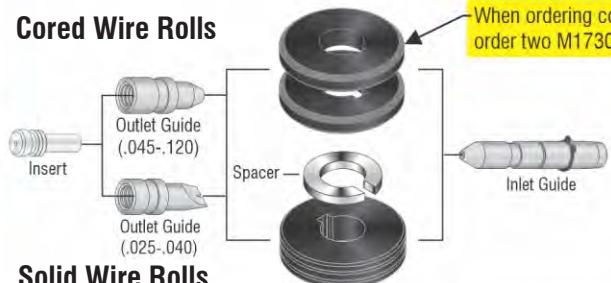
### S16666-1

For LN-7, LN-7GMA,  
LN-742, LN-9GMA, LN-22,  
LN-23P, LN-25, & LT-7

## TWO ROLL KITS FOR - LN-7 (K521), LN-7GMA (K440-2), LN-742 (K617-1), LN-742H (K617-2), \*LN-9GMA (K424-1), \*LN-9F GMA (K436), LN-22, LN-23P (K316L-1) & LN-25 (K428 & K449)



### Cored Wire Rolls



When ordering cored rolls only,  
order two M17302-? to make one roll.

### Solid Wire Rolls

| DRIVE ROLL KIT | Wire Size     | Wire Type     | Drive Roll   | Spacer   | Inlet Guide | Outlet Guide | Outlet Guide Insert |
|----------------|---------------|---------------|--------------|----------|-------------|--------------|---------------------|
| PXKP653-025S   | .023 & .025   | Solid         | PXM17301-025 | PXT14984 | PXKP2139-1  | PXKP2125-1   | PXKP2124-1          |
| PXKP653-030S   | .030          | Solid         | PXM17301-030 | PXT14984 | PXKP2139-1  | PXKP2125-1   | PXKP2124-1          |
| PXKP653-035S   | .035 & .040   | Solid         | PXM17301-035 | PXT14984 | PXKP2139-3  | PXKP2125-1   | PXKP2124-1          |
| PXKP653-035C   | .035C         | Cored         | PXM17302-035 | -        | PXKP2139-3  | PXKP2125-1   | PXKP2124-1          |
| PXKP653-052S   | .045 & .052   | Solid         | PXM17301-052 | PXT14984 | PXKP2139-3  | PXKP1999-1   | PXKP2124-3          |
| PXKP653-052C   | .045C & .052C | Cored         | PXM17302-052 | -        | PXKP2139-3  | PXKP1999-1   | PXKP2124-3          |
| PXKP653-116    | .052 & 1/16   | Cored & Solid | PXM17302-116 | -        | PXKP2139-5  | PXKP2125-3   | PXKP2124-5          |
| PXKP653-332    | .068 & 3/32   | Cored & Solid | PXM17302-332 | -        | PXKP2139-8  | PXKP2125-5   | PXKP2124-8          |
| PXKP653-120C   | 7/64 & .120   | Cored         | PXM17302-120 | -        | PXKP2139-7  | PXKP2125-4   | PXKP2124-7          |

## FOUR ROLL KITS FOR - LN-7GMA (K567-2), LN-742 (K618-1), LN-742H (K618-2),

\*LN-9GMA (K568-2) & \*LN-9F GMA (K583-2)



### Cored Wire Rolls



When ordering cored rolls only,  
order two M17302-? to make one roll.

### Solid Wire Rolls

| DRIVE ROLL KIT | Wire Size     | Wire Type     | Drive Roll   | Spacer   | Inlet Guide   | Middle Guide | Outlet Guide | Outlet Guide Insert | Outlet Guide Insert LN-9GMA |
|----------------|---------------|---------------|--------------|----------|---------------|--------------|--------------|---------------------|-----------------------------|
| PXKP655-025S   | .023 & .025   | Solid         | PXM17301-025 | PXT14984 | PXKP2139-1    | PXKP2114-1   | PXKP2125-1   | PXKP2124-1          | PXKP2124-2                  |
| PXKP655-030S   | .030          | Solid         | PXM17301-030 | PXT14984 | PXKP2139-1    | PXKP2114-1   | PXKP2125-1   | PXKP2124-1          | PXKP2124-2                  |
| PXKP655-035S   | .035 & .040   | Solid         | PXM17301-035 | PXT14984 | PXKP2139-3    | PXKP2114-1   | PXKP2125-1   | PXKP2124-1          | PXKP2124-2                  |
| PXKP655-035C   | .035C         | Cored         | PXM17302-035 | -        | PXKP2139-3    | PXKP2114-1   | PXKP2125-1   | PXKP2124-1          | PXKP2124-2                  |
| PXKP655-052S   | .045 & .052   | Solid         | PXM17301-052 | PXT14984 | PXKP2139-3    | PXKP2114-2   | PXKP1999-1   | PXKP2124-3          | PXKP2124-4                  |
| PXKP655-052C   | .045C & .052C | Cored         | PXM17302-052 | -        | PXKP2139-3    | PXKP2114-2   | PXKP1999-1   | PXKP2124-3          | PXKP2124-4                  |
| PXKP655-116    | .052 & 1/16   | Cored & Solid | PXM17302-116 | -        | PXKP2139-5    | PXKP2114-3   | PXKP2125-3   | PXKP2124-5          | PXKP2124-6                  |
| PXKP655-332    | .068 & 3/32   | Cored & Solid | PXM17302-332 | -        | PXKP2139-9    | PXKP2114-5   | PXKP2125-5   | PXKP2124-8          | PXKP2124-9                  |
| PXKP655-120C   | 7/64 & .120   | Cored         | PXM17302-120 | -        | PXT13467-120F | PXKP2114-4   | PXKP2125-4   | PXKP2124-7          | PXKP2124-7                  |

#### Notes:

- \*CAUTION! The above drive roll kits will fit the NEWER LN-9GMA and LN-9F GMA. DO NOT order these drive roll kits for the older LN-9 and LN-9F that have geared rolls.
- The KP2124 long outlet guide insert is for the LN-9GMA and LN-9F GMA four roll feeders only.
- Spacer (PXT14984) is only required on feeders with the old style T12341 dowel pin keyed drive roll retaining collar.



Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

## METERS



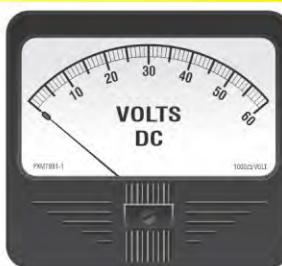
(A)



(B)



(C)

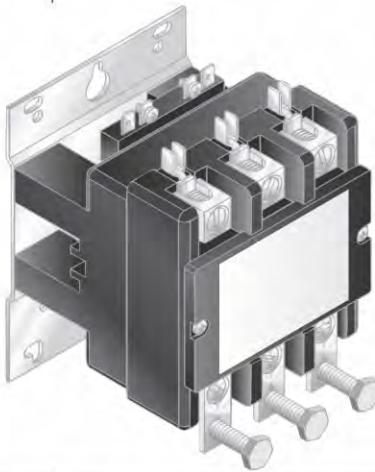


(D)

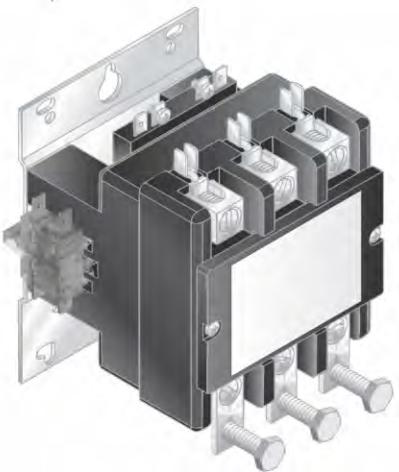
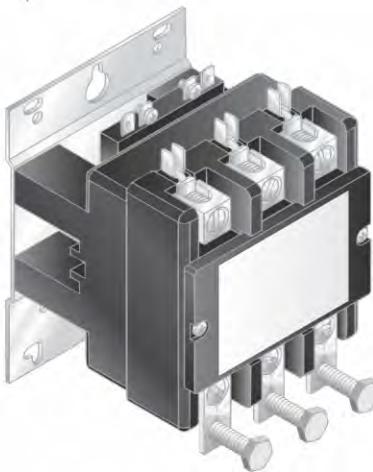
| PROFAX NO.                  | AMMETER                  | SIZE | STYLE | CURRENT | RANGE  | PROFAX NO.   | VOLTMETER  | SIZE | STYLE | CURRENT | RANGE |
|-----------------------------|--------------------------|------|-------|---------|--------|--------------|------------|------|-------|---------|-------|
| PX M7980-2                  | M7980-2                  | 4½"  | D     | DC      | 0-1500 | PX M7981-1   | M7981-1    | 4½"  | D     | DC      | 0-60  |
| PX M8455-1                  | M8455-1                  | 4½"  | D     | AC      | 0-1500 | PX M8456-1   | M8456-1    | 4½"  | D     | AC      | 0-60  |
| PX M10485-5                 | M10485-5                 | 3"   | A     | DC      | 0-800  | PX M10486-2  | M10486-2   | 3"   | A     | DC      | 0-80  |
| PX M10485-6 or use M15539-1 | M10485-6 or use M15539-1 | 3"   | A     | DC      | 0-400  | PX M10486-3  | M10486-3   | 3"   | A     | DC      | 0-60  |
| PX M10485-7                 | M10485-7                 | 3"   | A     | DC      | 0-1000 | PX M10486-10 | Use T15134 |      |       |         |       |
| PX M10485-8                 | M10485-8                 | 3"   | A     | DC      | 0-600  | PX M15538-2  | M15538-2   | 3½"  | C     | DC      | 0-80  |
| PX M10485-13                | M10485-13                | 3"   | A     | DC      | 0-1300 | PX T15134    | T15134     | 2½"  | A     | DC      | 0-40  |
| PX M15539-1                 | M15539-1                 | 3½"  | C     | DC      | 0-400  | PX M12002-2A | M12002-2A  | 2½"  | B     | DC      | 0-40  |
| PX M15539-2                 | M15539-2                 | 3½"  | C     | DC      | 0-600  |              |            |      |       |         |       |
| PX M15539-3                 | M15539-3                 | 3½"  | C     | DC      | 0-800  |              |            |      |       |         |       |

## CONTACTORS

| PROFAX NO. | LINCOLN®  | DESCRIPTION                     | PROFAX NO. | LINCOLN®  | DESCRIPTION                     |
|------------|-----------|---------------------------------|------------|-----------|---------------------------------|
| 530-8026B  | M12161-19 | Contactor 3 pole 50 amp, 120VAC | 730-8025B  | M12161-21 | Contactor 3 pole 75 amp, 120VAC |
| 530-8026B  | M12161-59 | Contactor 3 pole 50 amp, 120VAC | 730-8025B  | M12161-61 | Contactor 3 pole 75 amp, 120VAC |

Used in  
R3R-400Used in  
DC-400  
R3R-500  
CV-400

| PROFAX NO. | LINCOLN®  | DESCRIPTION                     | PROFAX NO. | LINCOLN®  | DESCRIPTION                     |
|------------|-----------|---------------------------------|------------|-----------|---------------------------------|
| 730-8029B  | M12161-28 | Contactor 3 pole 75 amp, 120VAC | 533U20     | M12161-27 | Contactor 3 pole 50 amp, 120VAC |
| 730-8029B  | M12161-68 | Contactor 3 pole 75 amp, 120VAC | 533U20     | M12161-67 | Contactor 3 pole 50 amp, 120VAC |

Used in  
DC-600Used in  
SP-200

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Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

| PROFAX NO. | LINCOLN® | QTY | THICK | WIDTH  | LENGTH | TYPE      |
|------------|----------|-----|-------|--------|--------|-----------|
| PX T344    | T344     | 8   | 5/8"  | 1-1/2" | 1-3/4" | Generator |
| PX T2687   | T2687    | 8   | 1/2"  | 1-1/2" | 1-1/2" | Generator |
| PX T6085   | T6085    | 8   | 5/8"  | 1-1/2" | 1-3/4" | Generator |
| PX T12564  | T12564-1 | 8   | 5/8"  | 1-1/2" | 1-3/4" | Generator |



| PROFAX NO.  | LINCOLN® | DESCRIPTION   |
|-------------|----------|---------------|
| PX T14166-9 | T14166-9 | Stud assembly |
| PX M13900   | M13900   | Stud assembly |



| PROFAX NO. | LINCOLN® | QTY | THICK  | WIDTH  | LENGTH   | TYPE      |
|------------|----------|-----|--------|--------|----------|-----------|
| PX T9570   | T9570    | 8   | 13/16" | 1-1/2" | 1-13/16" | Generator |
| PX T14242  | T14242   | 8   | 13/16" | 1-1/2" | 1-13/16" | Generator |



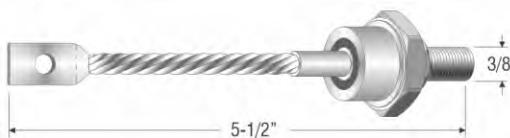
| PROFAX NO.  | LINCOLN® | DESCRIPTION                    |
|-------------|----------|--------------------------------|
| PX S11125-1 | S11125-1 | Stud assembly<br>length 2-3/8" |
| PX T12084   | T12084   | Stud assembly<br>length 2-3/4" |



| PROFAX NO. | LINCOLN® | QTY | THICK | WIDTH | LENGTH | TYPE              |
|------------|----------|-----|-------|-------|--------|-------------------|
| PX T6968   | T6968    | 12  | 3/8"  | 5/8"  | 1-1/4" | Exciter           |
| PX T7554   | T7554    | 12  | 1/2"  | 5/8"  | 1-1/4" | Exciter/Generator |



| PROFAX NO. | LINCOLN®  | DESCRIPTION      | POLARITY | STUD SIZE |
|------------|-----------|------------------|----------|-----------|
| PX 037-305 | M9661-32  | 150 amp 300 volt | Straight | 3/8"      |
| PX 037-306 | M9661-32R | 150 amp 300 volt | Reverse  | 3/8"      |



## Rheostats

| PROFAX NO.    | LINCOLN®   | DESCRIPTION             |
|---------------|------------|-------------------------|
| PX M5090-C    | M5090-C    | 64 Ohm rheostat         |
| PX T10812-40  | T10812-40  | 10K-1T-2W Potentiometer |
| PX T10812-122 | T10812-122 | 10K-1T-2W Potentiometer |



| PROFAX NO.   | LINCOLN®  | DESCRIPTION    |
|--------------|-----------|----------------|
| PX S-11893-4 | S-11893-4 | Decal 4" x 12" |

**LINCOLN**  
**ARC WELDER**

| PROFAX NO. | LINCOLN® | DESCRIPTION            |
|------------|----------|------------------------|
| DD-114     |          | Diamond D brush seater |



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Replacement Parts Suitable For:  
**Lincoln Electric®**

# REMOTE CONTROLS

**PROFAX**



Hand controls listed **DO NOT** have a contactor switch. Contactor control switches and special cord lengths are available upon request.  
\* No contactor switch available in LHCP model hand controls

## REMOTE HAND CONTROL

## ADAPTER

| PROFAX NO.   | LINCOLN®         | LENGTH                                  | DESCRIPTION  | PROFAX NO.     | LINCOLN® | DESC.                                     | APPLICATION   |
|--|------------------|---|--|----------------|----------|---|---|
| LHC  | K-924            | No Cord                                 | All Lincoln® equipment that uses the M5090C (64 ohm) rheostat.   | 9307           | -        | 5 pin to 6 socket                         | Used to adapt the 5 socket receptacle to 6 socket on TIG 300/300's code 6001 and codes 7000 through 8875. Allows connection of the Lincoln K857 hand control or the K870 and "PROFAX" LFC-870 foot controls.  |
| LHC-1  |                  | 1'                                      |  |                |          |   |   |
| LHC-25   | K-924-25         | 25'                                     | SA200 GAS, SA250 GAS & DIESEL, SAE300, SAE350 DIESEL, SAE400   |                |          |   |   |
| LHC-50   | K-924-50         | 50'                                     | GAS & DIESEL, SAE500, CLASSIC® I, II, & III, Classic 300D, Pipe Liner 200D. Does not have 115V receptacle. |                |          |   |   |
| LHC-100  | K-924-4          | 100'                                    |  | PX K876        | K876     | 14 pin to 6 socket                        | Used to adapt the 14 socket receptacle to 6 socket for remote control connection to the Lincoln K857 hand control or the K870 and "PROFAX" LFC-870 foot controls. <b>Used For Remote Control Operation Only - DO NOT USE to adapt Wire Feeders Lincoln R3R-300, 400 &amp; 500 codes 9534 and above and DC-400 codes 9800 and above.</b> |
| LHC-775  | K-775            | No Cord                                 | All Lincoln® equipment that uses the 75 - 76 - 77 terminal strip remote control connections.               | PX K843        | K843     | Terminals to 6 skt                        | Used to adapt the terminal strip remote control connection to 6 socket. Allows connection of the Lincoln K857 hand control or K870 and "PROFAX" LFC-870 foot controls.  |
| LHC-775-25   | K-775-25         | 25'                                     | AC1200, DC400, DC600, DC1000,  | PX K864        | K864     | 14 pin to 6/14 skt                        | "Y" connection - Used to adapt the Lincoln or "PROFAX" K857 remote control along with a wire feeder to the 14 socket receptacle of a Lincoln CV or CC/CV power source.  |
| LHC-775-50   | K-775-50         | 50'                                     | DC1500, R3R-300, 400 & 500.  |                |          |   |   |
| LHC-775-100  | K-775-100        | 100'                                    |  |                |          |   |   |
| To add a contactor switch place an "S" at the end of the part number eg. LHC-775-25S   |                  |   |  |                |          |   |   |
| LHC-857  |                  | No Cord                                 | All Lincoln® equipment that uses 6 pin remote control receptacle.  | 9394-25        |          | 25' extension cord                        | <b>LHC EXTENSION CORDS</b>  |
| LHC-857-1  |                  | 1'                                      | CV305, CV400, FLEXTEC450,  | 9394-50        |          | 50' extension cord                        |   |
| LHC-857-25   | K-857            | 25'                                     | FLEXTEC650, INVERTEC™ V205T,   | 9394-75        |          | 75' extension cord                        |   |
| LHC-857-50   |                  | 50'                                     | V275S, V310T, V350PRO, V450PRO,  | 9394-100       |          | 100' extension cord                       |   |
| LHC-857-100  | K-857-1          | 100'                                    | IDEALARC R3R-400, 500, DC400,  |                |          |   |   |
| LHCP-857-1*  | (*Requires cord) |   | DC600, DC1000, DC1500, AC1200,   | 9315           |          | 25' extension cord                        | <b>K857/LHC-857 EXTENSION CORDS</b>   |
| LHCP-857-25  |                  | 25'                                     | POWERMIG350MP, PRECISION TIG   | 9316           |          | 50' extension cord                        |   |
| LHCP-857-50  |                  | 50'                                     | 225, 275, 375, MULTIWELD 350,  | 9317           |          | 75' extension cord                        |   |
| LHCP-857-100   | K2627-2          | 100'                                    | RANGER™ 250, 250GXT, 305, 305G   | 9318           |          | 100' extension cord                       |   |
| To add a contactor switch place an "S" at the end of the part number eg. LHC-857-25S<br><b>*Note:</b> No contactor switch available on LHCP model hand controls. |                  |   |  | LHCP-857-C-25  |          | 25' extension cord (for LHCP-857-1 only)  | <b>LHCP-857-1 EXTENSION CORDS</b>   |
|  |                  |   |  | LHCP-857-C-50  |          | 50' extension cord (for LHCP-857-1 only)  |   |
|  |                  |   |  | LHCP-857-C-100 |          | 100' extension cord (for LHCP-857-1 only) |   |
| PROFAX NO.   | LINCOLN®         | DESCRIPTION                             |  |                |          |   |   |
| LHC-K  |                  | Knob for LHC                            |  |                |          |   |   |
| MHC-K  |                  | Knob for LHCP                           |  |                |          |   |   |
| PX 7222  |                  | Potentiometer nut for LHCP              |  |                |          |   |   |
| PX 9028  |                  | Potentiometer for LHCP                  |  |                |          |   |   |
| PX 9226  |                  | 10K potentiometer for LHC-775 & LHC-857 |  |                |          |   |   |
| PX 9327  |                  | Potentiometer tension nut               |  |                |          |   |   |
| PX 9814  |                  | Knob for LHC-775 and LHC-857            |  |                |          |   |   |
| PX S7583-1   | S7583-1          | 3 prong twist lock plug for LHC         |  |                |          |   |   |
| PX S21006  | S21006           | 4 prong twist lock plug for LHC         |  |                |          |   |   |
| PX S12020-27   | S12020-27        | 6 pin plug for LHC-857                  |  |                |          |   |   |

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Replacement Parts Suitable For:  
**Lincoln Electric®**

## REMOTE CONTROLS

**PROFAX**

### REMOTE FINGERTIP CONTROL



Operates contactor & controls output.

### REMOTE FOOT CONTROL



#### ALL METAL CONSTRUCTION

Operates contactor  
and  
controls output.

| PROFAX    | DESCRIPTION  | PROFAX  | LINCOLN® | DESCRIPTION                           | COMPATIBLE EQUIPMENT   |
|-----------|--|---------|----------|---------------------------------------|--|
| LFTC-6    | Fingertip control with 27' cord and 6 pin plug compatible with Precision Tig, Squarewave Tig & Invertec™ only  | LFC-870 | K-870    | Foot control w/25' cord & 6 pin plug. | Direct Connects to:<br>R3R 400 & 500 (Codes 9534 and Above)<br>Squarewave Tig 175, 255, 275, 300, 350 & 355, 175 Pro DC400, 600, Tig 250/250 (All), Tig 300/300 (Codes 8875 and Above) DC Tig Starter (K900-1), Tig Module (K930-1) Invertec™ V160-T, V311-T, V275-S, V350 Pro, V205T, V310T, V450 Pro, Precision Tig 225, 275, & 375. |
| LFTC-6-52 | Fingertip control with 52' cord and 6 pin plug compatible with Precision Tig, Squarewave Tig & Invertec™ only<br>(special cord lengths available up to 100') |         |          |                                       |  |

#### FTC EXTENSION CORDS

|        |                     |               |  |
|--------|---------------------|---------------|--|
| LFTC-6 | 9315                | 25' ext. cord | LFC-870 EXTENSION CORDS                  |
| PROFAX | DESCRIPTION         | 9316          | Used to extend the LFC-870 foot control. |
| 9680   | 25' extension cord  | 9317          | 50' ext. cord                            |
| 9681   | 50' extension cord  | 9318          | 75' ext. cord                            |
| 9682   | 75' extension cord  | PXS12020-27   | 100' ext. cord                           |
| 9683   | 100' extension cord | S12020-27     | 6 pin plug                               |

#### LFTC-6 & LFC-870 ADAPTERS

| PROFAX  | LINCOLN® | DESCRIPTION | COMPATIBLE EQUIPMENT                                       |
|---------|----------|-------------|--|
| PXK843  | K843     | Adapter     | Terminal strip to 6 socket receptacle.                     |
| PXK864  | K864     | Adapter     | 14 pin plug to 6 socket receptacle & 14 socket receptacle. |
| 9307    |          | Adapter     | 5 pin plug to 6 socket receptacle.                         |
| PXK876  | K876     | Adapter     | 14 pin plug to 6 socket receptacle.                        |
| K2909-1 | K2909-1  | Adapter     | 12 pin plug to 6 socket receptacle.                        |

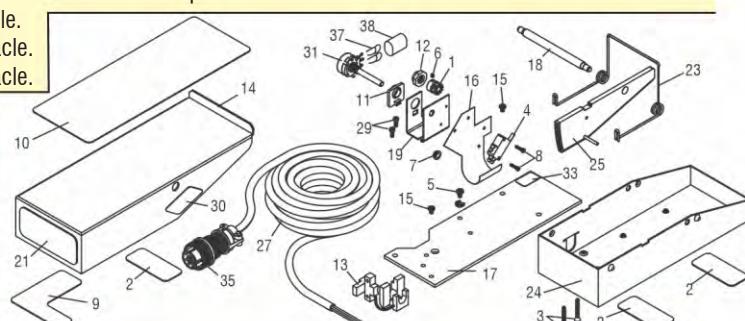
### TIG Kit for Lincoln® Electric Power MIG® 210MP



#### Package Includes:

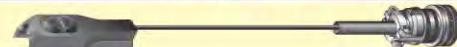
- 6 Pin Adapter Pigtail Cord
- Installation Instructions
- 25' Foot Control w/6 pin plug (PX LFC-870)
- TIG Torch 150 Amp/12.5' (PX17V-12R)
- Lenco Connector (LDT-917-F)
- Lenco Gas Hose (LGH-96RH)
- TIG Accessory Kit (PXAK-2)

PART NO. PM210MP-TK



#### PARTS LIST FOR LFC-870

| NO. | P/N  | DESCRIPTION         | LFC-870 | NO. | P/N  | DESCRIPTION              | LFC-870 |
|-----|------|---------------------|---------|-----|------|--------------------------|---------|
| 1   | 9340 | Pinion gear         | 1       | 17  | 9356 | Inner plate              | 1       |
| 2   | 9341 | Rubber base pad     | 3       | 18  | 9357 | Pivot rod assembly       | 1       |
| 3   | 9342 | #8-10 x 1.250 Screw | 2       | 19  | 9358 | Potentiometer bracket    | 1       |
| 4   | 9343 | Micro switch        | 1       | 21  | 9360 | Nameplate LFC-870        | 1       |
| 5   | 9344 | #8-32 x .281 Screw  | 1       | 23  | 9361 | Spring                   | 1       |
| 6   | 9345 | #6-32 x .1875 Screw | 1       | 24  | 9362 | Base                     | 1       |
| 7   | 9346 | Nylon bearing       | 1       | 25  | 9363 | Spur gear leaver         | 1       |
| 8   | 9347 | #4-40 x .500 Screw  | 2       | 27  | 9365 | 25' cord with 6 pin plug | 1       |
| 9   | 9348 | Rubber bumper pad   | 1       | 29  | 9366 | #8-32 x .375 Screw       | 2       |
| 10  | 9349 | Rubber foot pad     | 1       | 30  | 9367 | Warning label            | 1       |
| 11  | 9350 | Mount bracket       | 1       | 31  | 9368 | Potentiometer 10K,1T,2W  | 1       |
| 12  | 9351 | Spacer nut          | 1       | 33  | 9370 | Warning label            | 1       |
| 13  | 9352 | Cable clamp         | 1       | 35  | 9219 | Lincoln® 6 pin plug only | 1       |
| 14  | 9353 | Top cover           | 1       | 37  | 9371 | Capacitor 4700VF, 3KV    | 2       |
| 15  | 9354 | #8-32 x .250 Screw  | 2       | 38  | 9372 | 1-3/4 Heat shrink tubing | 1       |
| 16  | 9355 | Insulation          | 1       |     |      |                          |         |



Tig arc start switch assemblies for Lincoln® see page 146



Replacement Parts Suitable For:  
**Lincoln Electric®**

## INTERCONNECTING CORDS

**PROFAX**

An interconnecting cord connects one piece of equipment to another. The connectors will not mate to each other.

Feeder



Power  
Source

| PROFAX NO.      | LINCOLN®     | DESCRIPTION              | APPLICATION  |
|-----------------|--------------|--------------------------|--|
| PX M17291-1-10  | M17291-1-10  | 10' Terminals to 6 skt.  |  |
| PX M17291-1-25  | M17291-1-25  | 25' Terminals to 6 skt.  | Used to interconnect a Lincoln® CV or CC/CV power source with terminal strip wire feeder connection to an LN-7 or LN-7GMA. |
| PX M17291-1-50  | M17291-1-50  | 50' Terminals to 6 skt.  |  |
| PX M17291-1-75  | M17291-1-75  | 75' Terminals to 6 skt.  |  |
| PX M17291-1-100 | M17291-1-100 | 100' Terminals to 6 skt. |  |

Feeder



Power  
Source

| PROFAX NO.      | LINCOLN®  | DESCRIPTION            | APPLICATION  |
|-----------------|-----------|------------------------|--|
| PX M17291-2-10  | K1818-10  | 10' 14 pin to 6 skt.   |  |
| PX M17291-2-25  | K1818-25  | 25' 14 pin to 6 skt.   | Used to interconnect a Lincoln® CV or CC/CV power source with 14 socket wire feeder connection to an LN-7 or LN-7GMA.                                  |
| PX M17291-2-50  | K1818-50  | 50' 14 pin to 6 skt.   |  |
| PX M17291-2-75  | K1818-75  | 75' 14 pin to 6 skt.   |  |
| PX M17291-2-100 | K1818-100 | 100' 14 pin to 6 skt.  |  |
| PX M17291-4-10  | K1820-10  | 10' 14 pin to 9 skt.   |  |
| PX M17291-4-25  | K1822-25  | 25' 14 pin to 9 skt.   | Used to interconnect a Lincoln® CV or CC/CV power source w/14 socket wire feeder connection to an LN-8, LN-9, LN-9GMA, LT-7, LT-56, NA-3, NA-4 & NA-5. |
| PX M17291-4-50  |           | 50' 14 pin to 9 skt.   |  |
| PX M17291-4-75  |           | 75' 14 pin to 9 skt.   |  |
| PX M17291-4-100 |           | 100' 14 pin to 9 skt.  |  |
| 9531-10         |           | 10' 14 pin to 14 skt.  |  |
| 9531-25         |           | 25' 14 pin to 14 skt.  | Used to interconnect the Lincoln® CV or CC/CV power source with 14 socket receptacle to the LF72/74 wire feeder control cord.                          |
| 9531-50         |           | 50' 14 pin to 14 skt.  |  |
| 9531-75         |           | 75' 14 pin to 14 skt.  |  |
| 9531-100        |           | 100' 14 pin to 14 skt. |  |
| PX K1501-10     | K1501-10  | 10' 14 pin to 9 skt.   |  |
| PX K1501-25     | K1501-25  | 25' 14 pin to 9 skt.   | Used to interconnect Lincoln® CV or CC/CV power source with 14 socket receptacle to an LN-10 or DH-10.   |
| PX K1501-50     | K1501-50  | 50' 14 pin to 9 skt.   |  |
| PX K1501-75     | K1501-75  | 75' 14 pin to 9 skt.   |  |
| PX K1501-100    | K1501-100 | 100' 14 pin to 9 skt.  |  |

Feeder



Power  
Source

| PROFAX NO.   | LINCOLN® | DESCRIPTION           | APPLICATION   |
|--------------|----------|-----------------------|---|
| PX K1819-10  | K1819-10 | 10' 14 pin to 8 skt.  |   |
| PX K1819-25  |          | 25' 14 pin to 8 skt.  | Used to interconnect Lincoln® CV or CC/CV power source with 14 socket receptacle to an LN-742 or LN-15. |
| PX K1819-50  |          | 50' 14 pin to 8 skt.  |   |
| PX K1819-75  |          | 75' 14 pin to 8 skt.  |   |
| PX K1819-100 |          | 100' 14 pin to 8 skt. |   |

Feeder



Power  
Source

| PROFAX NO.      | LINCOLN®     | DESCRIPTION              | APPLICATION  |
|-----------------|--------------|--------------------------|--|
| PX M17291-3-10  | M17291-3-10  | 10' Terminals to 9 skt.  |  |
| PX M17291-3-25  | M17291-3-25  | 25' Terminals to 9 skt.  | Used to interconnect a Lincoln® CV or CC/CV power source with terminal strip wire feeder connection to an LN-8, LN-9, LN-9GMA, LT-7, LT-56, NA-3, NA-4 & NA-5. |
| PX M17291-3-50  | M17291-3-50  | 50' Terminals to 9 skt.  |  |
| PX M17291-3-75  | M17291-3-75  | 75' Terminals to 9 skt.  |  |
| PX M17291-3-100 | M17291-3-100 | 100' Terminals to 9 skt. |  |

Lincoln®



Power  
Source



Replacement Parts Suitable For:  
**Lincoln Electric®**

**PROFAX**

## INTERCONNECTING CORDS

An interconnecting cord connects one piece of equipment to another. The connectors will not mate to each other.

Feeder



Power  
Source

| PROFAX NO.   | LINCOLN®  | DESCRIPTION          | APPLICATION   |
|--------------|-----------|----------------------|---|
| PX K1543-8   | K1543-8   | 8' 5 pin to 5 skt.   |   |
| PX K1543-10  | K1543-10  | 10' 5 pin to 5 skt.  |   |
| PX K1543-25  | K1543-25  | 25' 5 pin to 5 skt.  |   |
| PX K1543-50  | K1543-50  | 50' 5 pin to 5 skt.  |   |
| PX K1543-100 | K1543-100 | 100' 5 pin to 5 skt. | Control cable for Powerwave® to Power Feed™ systems. ArcLink® |

Feeder



Power  
Source

| PROFAX NO.   | LINCOLN®  | DESCRIPTION          | APPLICATION  |
|--------------|-----------|----------------------|--|
| PX K2683-10  | K2683-10  | 10' 5 pin to 5 skt.  |  |
| PX K2683-25  | K2683-25  | 25' 5 pin to 5 skt.  |  |
| PX K2683-50  | K2683-50  | 50' 5 pin to 5 skt.  |  |
| PX K2683-100 | K2683-100 | 100' 5 pin to 5 skt. | Heavy Duty control cable for Powerwave® to Power Feed™ systems. ArcLink® |

## SENSOR LEADS

**NEW**



| PROFAX NO.  | LINCOLN® | DESCRIPTION | APPLICATION                                   |
|-------------|----------|-------------|---|
| PX K940-25  | K940-25  |             |   |
| PX K940-50  | K940-50  |             |   |
| PX K940-75  | K940-75  |             |   |
| PX K940-125 | K940-125 |             | Sensor lead for Powerwave® & Invertec STT II® |

**NEW**



| PROFAX NO.   | LINCOLN®  | DESCRIPTION            | APPLICATION  |
|--------------|-----------|------------------------|--|
| PX K1811-50  | K1811-50  |                        |  |
| PX K1811-100 | K1811-100 | Heavy Duty Sensor Lead | Heavy Duty sensor lead for Powerwave® & Invertec STT II® |

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Replacement Parts Suitable For:  
**Lincoln Electric®**

# ADAPTER CORDS

**PROFAX**

An adapter cord connects equipment or cords that do not have direct connection to each other. The connectors will not mate to each other.

Feeder  
or  
Remote  
Control



12" O.A.L.

Power  
Source

| PROFAX NO. | LINCOLN® | DESCRIPTION           | APPLICATION   |
|------------|----------|-----------------------|---|
| PX K843    | K843     | Terminals to 6 socket | Used to adapt the terminal strip remote control connection to 6 socket. Allows connection of the Lincoln® K857 hand control or K870 and "PROFAX" LFC-870 foot controls. |

Feeder  
or  
Remote  
Control



12" O.A.L.

Power  
Source

| PROFAX NO. | LINCOLN® | DESCRIPTION        | APPLICATION   |
|------------|----------|--------------------|---|
| 9307       | -        | 5 pin to 6 socket  | Used to adapt the 5 socket receptacle to 6 socket on TIG 300 /300's code 6001 and codes 7000 through 8875. Allows connection of the Lincoln® K857 hand control or the K870 & "PROFAX" LFC-870 foot controls.  |
| PX K876    | K876     | 14 pin to 6 socket | Used to adapt the 14 socket receptacle to 6 socket for remote control connection to the Lincoln® K857 hand control or the K870 and "PROFAX" LFC-870 foot controls.<br><b>Used For Remote Control Operation Only - DO NOT USE to adapt Wire Feeders</b><br>Lincoln® R3R-300, 400 & 500 codes 9534 and above and DC-400 codes 9800 and above. |
| PX K2909-1 | K2909-1  | 12 pin to 6 socket | Used to adapt the 12 socket remote receptacle to the 6 socket on Lincoln® K857, K870, K693-3 and PROFAX LFC-870, LFTC-6, LHC-857, LHCP-857. To be used with Lincoln® 12 pin universal connection. Power Wave C300,S350, S500 and Flextec 350X, 500, 500P and 650.   |



12" O.A.L.

Power  
Source

| PROFAX NO. | LINCOLN® | DESCRIPTION         | APPLICATION  |
|------------|----------|---------------------|--|
| PX K867    | K867     | 14 pin to Terminals | Universal adapter-Bring all pin connections used from the 14 socket receptacle out to terminal connections for hookup. |

Feeder  
or  
Remote  
Control



12" O.A.L.

Power  
Source

| PROFAX NO. | LINCOLN® | DESCRIPTION          | APPLICATION   |
|------------|----------|----------------------|---|
| PX K1798   | K1798    | Terminals to 14 skt. | To convert machines with terminal strips to use extensions with 14 pin plug and 14 skt. receptacle. |

Feeder  
or  
Remote  
Control



12" O.A.L.

Power  
Source

| PROFAX NO. | LINCOLN® | DESCRIPTION              | APPLICATION  |
|------------|----------|--------------------------|--|
| PX K864    | K864     | 14 pin to 6 skt & 14 skt | "Y" connection - Used to adapt the Lincoln® or "PROFAX" K857 remote control along with a wire feeder to the 14 socket receptacle of a Lincoln® CV or CC/CV power source. |

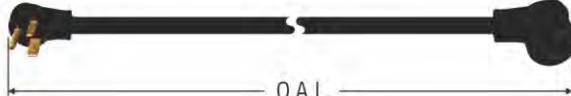
## PRIMARY POWER ADAPTER CORD & EXTENSION CORDS

### POWER CORD ADAPTER



| PROFAX NO. | LINCOLN® | DESCRIPTION                                     | APPLICATION  |
|------------|----------|---|--|
| PX 300 517 | K1816-1  | 250V/40A NEMA 14-50P to NEMA 6-50R Adaptor Cord | Full KVA adapter cord for receptacle on engine driven welders. |

### PRIMARY POWER EXTENSION CORDS



| PROFAX NO. | LINCOLN® | DESCRIPTION             | APPLICATION                    |
|------------|----------|-------------------------|--------------------------------|
| PX 250V-25 |          | 25' NEMA 6-50 Ext. Cord | 8/3 250V-40A 25 foot extension |
| PX 250V-50 |          | 50' NEMA 6-50 Ext. Cord | 8/3 250V-40A 50 foot extension |



Replacement Parts Suitable For:  
**Lincoln Electric®**

# EXTENSION CORDS

**PROFAX**

Feeder  
or  
Remote  
Control

An extension cord extends the distance between equipment, allowing the equipment to be used at a further distance from the power source. The connectors will mate to each other.



Power  
Source

| PROFAX NO. | LINCOLN®  | DESCRIPTION            | APPLICATION  |
|------------|-----------|------------------------|--|
| 9315       | —         | 25' 6 pin to 6 skt.    |  |
| 9316       | —         | 50' 6 pin to 6 skt.    |  |
| 9317       | —         | 75' 6 pin to 6 skt.    |  |
| 9318       | —         | 100' 6 pin to 6 skt.   |  |
| 9516       | —         | 25' 6 skt. to 6 pin    |  |
| 9517       | —         | 50' 6 skt. to 6 pin    | Extends the LN-7 and LN-7GMA between the feeder and the power source.            |
| 9518       | —         | 75' 6 skt. to 6 pin    |  |
| 9519       | —         | 100' 6 skt. to 6 pin   |  |
| 9520       | —         | 25' 9 skt. to 9 pin    |  |
| 9521       | —         | 50' 9 skt. to 9 pin    | Extends the LN-8, LN-9, LN-9GMA & NA-5R between the feeder and the power source. |
| 9522       | —         | 75' 9 skt. to 9 pin    |  |
| 9523       | —         | 100' 9 skt. to 9 pin   |  |
| K1797-10   | K1797-10  | 10' 14 pin to 14 skt.  |  |
| 9524       | K1797-25  | 25' 14 pin to 14 skt.  |  |
| 9525       | K1797-50  | 50' 14 pin to 14 skt.  |  |
| 9526       | —         | 75' 14 pin to 14 skt.  |  |
| 9527       | K1797-100 | 100' 14 pin to 14 skt. |  |

## PLUGS AND CONNECTORS

### PLUGS with Pins



Amp



Amphenol



Lincoln®

### RECEPTACLES with Sockets



Amphenol



Amphenol

AMP and Amphenol plugs have an internally threaded collar which spins freely around the end of the plug. The internal threads of the collar mate with the external threads of a receptacle. To mate, the plug must have pins or sockets opposite of the same size mating receptacle.

| PROFAX NO.  | LINCOLN®  | DESCRIPTION  | ITEM |
|-------------|-----------|--|------|
| PXS12020-3  | S12020-3  | 4 Pin plug (NA3,4,5)   | B    |
| PXS12020-6  | S12020-6  | 5 Pin trigger plug (LN-7,8,9,25, SP200)<br>(Can also use S19757) | B    |
| PXS12020-15 | S12020-15 | 5 Pin plug (Old Tig 300/300)                                     | B    |
| PXS12020-16 | S12020-16 | 3 Pin plug (NA3,4,5)   | B    |
| PXS12020-17 | S12020-17 | 4 Pin plug (NA-5)  | B    |
| PXS12020-27 | S12020-27 | 6 Pin plug (K857/Tig)  | B    |
| PXS12020-32 | S12020-32 | 14 Pin plug (CV power sources)                                   | B    |
| PXS12020-59 | S12020-59 | Use S12020-32  |      |
| PXS12020-60 | S12020-60 | 5 Pin plug (X clocked)   | B    |
| PXS18656    | S18656    | 4 Pin trigger plug (Wirematic)                                   | A    |
| PXS19757    | S19757    | 2 Pin trigger plug (LN-7,8,9,25, SP200)                          | C    |

| PROFAX NO.  | LINCOLN®  | DESCRIPTION                               | ITEM |
|-------------|-----------|---|------|
| PXS12021-3  | S12021-3  | 5 Socket panel (LN7,8,9,25, SP200)        | E    |
| PXS12021-11 | S12021-11 | 4 Socket panel (NA-3,4,5)                 | E    |
| PXS12021-16 | S12021-16 | 5 Socket panel (NA-3,4)                   | E    |
| PXS12021-17 | S12021-17 | 3 Socket panel (NA-3,4,5)                 | E    |
| PXS12021-18 | S12021-18 | 4 Socket panel (NA-5)                     | E    |
| PXS12021-32 | S12021-32 | 6 Socket panel (NA-5, New Tig)            | E    |
| PXS12021-40 | S12021-40 | 14 Socket panel (CV power sources)        | E    |
| PXS12021-64 | S12021-64 | Use S12021-17                             |      |
| PXS12021-65 | S12021-65 | Use S12021-18                             |      |
| PXS12021-66 | S12021-66 | Use S12021-3                              |      |
| PXS12021-68 | S12021-68 | Use S12021-32                             |      |
| PXS12021-70 | S12021-70 | Use S12021-40                             |      |
| PXS12023-8  | S12023-8  | 3 Socket receptacle (Mates to S12020-16)  | D    |
| PXS12023-9  | S12023-9  | 5 Socket receptacle (Mates to S12020-15)  | D    |
| PXS12023-10 | S12023-10 | 4 Socket receptacle (Mates to S12020-17)  | D    |
| PXS12023-12 | S12023-12 | 6 Socket receptacle (Mates to S12020-27)  | D    |
| PXS12023-13 | S12023-13 | 4 Socket receptacle (Mates to S12020-3)   | D    |
| PXS12023-15 | S12023-15 | 14 Socket receptacle (Mates to S12020-32) | D    |
| PXS12023-19 | S12023-19 | 5 Socket receptacle                       | D    |

Amphenol

### PLUGS with Sockets



Amphenol

Amphenol

### RECEPTACLES with Pins



(G)



(H)

Amphenol receptacles have external threads that mate to the internal threads of the free spinning collar of the plug. To mate, the receptacle must have pins or sockets opposite of the same size mating plug.

| PROFAX NO.  | LINCOLN®  | DESCRIPTION                    | ITEM |
|-------------|-----------|--------------------------------|------|
| PXS12020-8  | S12020-8  | 9 Socket plug (LN-8,9,NA3,4,5) | F    |
| PXS12020-26 | S12020-26 | 6 Socket plug (LN-7)           | F    |

| PROFAX NO.  | LINCOLN®  | DESCRIPTION                           | ITEM |
|-------------|-----------|---------------------------------------|------|
| PXS12021-12 | S12021-12 | 9 Pin panel (LN-8,9, NA-3,4,5)        | H    |
| PXS12021-31 | S12021-31 | 6 Pin panel (LN-7)                    | H    |
| PXS12021-67 | S12021-67 | Use S12021-31                         |      |
| PXS12023-2  | S12023-2  | 9 Pin receptacle (Mates to S12020-8)  | G    |
| PXS12023-11 | S12023-11 | 6 Pin receptacle (Mates to S12020-26) | G    |

### TWISTLOCK PLUG



### TWISTLOCK RECEPTACLE





Replacement parts suitable for  
Miller Electric® Mfg. Co.®

**PROFAX**

Miller®

# 15M-Style



Compatible with

Miller® "M-15"

MIG gun consumables

#### FEATURES:

- Consumables compatible to Miller® "M-15" MIG guns
- Direct connect to Miller® style wire feeders
- Slim ergonomic handle
- Gooseneck can rotate a full 360 degrees
- Set screw for liner is located on side of handle for protection from spatter
- Slip-on nozzle
- Available up to .045 wire size

| PART NO.    | LENGTH | WIRE SIZE | PART NO.    | LENGTH | WIRE SIZE | PART NO.    | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 15M-23-10   | 10'    | .023      | 15M-23-12   | 12'    | .023      | 15M-23-15   | 15'    | .023      |
| 15M-3035-10 | 10'    | .030-.035 | 15M-3035-12 | 12'    | .030-.035 | 15M-3035-15 | 15'    | .030-.035 |
| 15M-4045-10 | 10'    | .040-.045 | 15M-4045-12 | 12'    | .040-.045 | 15M-4045-15 | 15'    | .040-.045 |

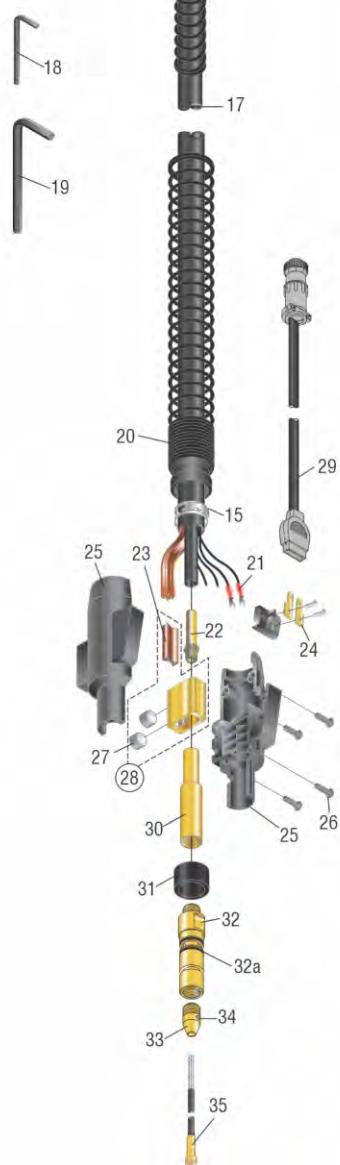
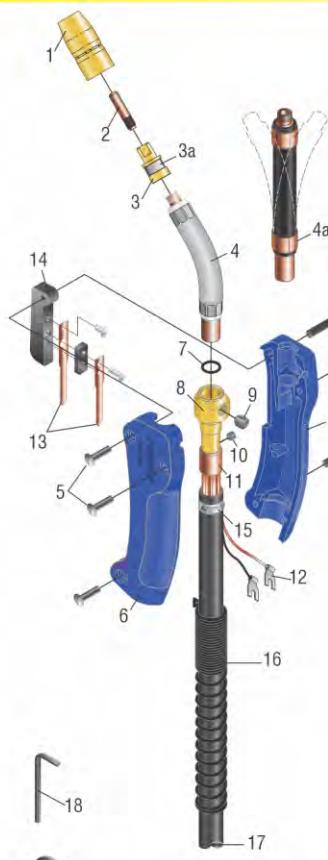


Replacement parts suitable for Miller Electric® Mfg. Co.®

## 15M-Style 180 Amp MIG Gun Parts List

**PROFAX**

Miller®



| NO. | PROFAX NO.  | DESCRIPTION                        | NO.  | PROFAX NO.    | DESCRIPTION   |
|-----|-------------|------------------------------------|------|---------------|---|
| 1.  | PX169715-38 | Nozzle 3/8" tapered                | 17.  | PX180-10      | 10' replacement cable assembly                                  |
|     | PX169715    | Nozzle 1/2" (Standard)             | 18.  | PX180-12      | 12' replacement cable assembly                                  |
| 2.  | PX087299    | Contact tip .023-.025              | 19.  | PX180-15      | 15' replacement cable assembly                                  |
|     | PX000067    | Contact tip .030                   | 20.  | PX180K        | Bulk cable (per foot)   |
|     | PX000068    | Contact tip .035                   | 21.  | PX44-25       | Hex wrench 5/64"  |
|     | PX000069    | Contact tip .045                   | 22.  | PXAL-300-532  | Hex wrench 5/32"  |
|     | PX000068T   | Tapered contact tip .035           | 23.  | PXR185-S      | Spring  |
|     | PX000069T   | Tapered contact tip .045           | 24.  | PX244         | Terminal  |
| 3.  | PX169716    | Tip adapter                        | 25.  | PX62N         | Nipple  |
| 3a. | PX170470    | Retaining ring                     | 26.  | PX114         | Separator   |
| 4.  | PX180M45    | Gooseneck 45°                      | 27.  | PX194         | Connector tab assembly  |
| 4a. | PXTF-180M   | Flexible Gooseneck                 | 28.  | PXR185-H      | Housing   |
| 5.  | PX122FM-SET | Binder screws for handle           | 29.  | PXR185-SC     | Screws for housing (4)  |
| 6.  | PX180H-15M  | Handle with binder screws (Blue)   | 30.  | PXA-532-24    | 9/16-18 ball point screw  |
| 7.  | PXOR1       | O-ring                             | 31.  | PX104         | Cable connector block assembly                                  |
| 8.  | PX180-1     | Cable connector block assembly     | 32.  | MSAK-354      | Control cord  |
| 9.  | PX516-24    | Conductor tube set screw (5/16-24) | 33.  | PXR172-UA     | Standard connector plug w/62N                                   |
| 10. | PX44C       | Set screw for conduit 8-32         | 34.  | R174M-R       | Insulator   |
| 11. | PX110-CS1   | Crimp sleeve                       | 35.  | PXR174-M      | Connector, Miller®  |
| 12. | PX18FT      | Flag terminals (2)                 | 32a. | PX224         | O-ring  |
| 13. | PX92C       | Switch contacts (2 ea. w/screws)   | 33.  | R174M-N       | Nipple for Miller® connection                                   |
| 14. | PX92        | Trigger switch assembly            | 34.  | PX44C         | Set screw for conduit 8-32                                      |
| 15. | PX0155      | Cable clamp                        | 35.  | PX42-23-15    | 15' wire conduit assembly                                       |
| 16. | PX180-6S    | Spring strain relief for handle    |      | PX42-3035-15  | 15' wire conduit assembly                                       |
|     |             |                                    |      | PX42-4045-15  | 15' wire conduit assembly                                       |
|     |             |                                    |      | PX42N-3545-15 | 15' nylon wire conduit, used<br>(recommended for aluminum wire) |

| PROFAX NO. | WIRE SIZE | TIP I.D. | PROFAX NO.     | DESCRIPTION   |
|------------|-----------|----------|----------------|---|
| PX 000067  | .030      | .038     | PX 169715-38   | Nozzle 3/8" tapered<br>(Special made by<br><b>PROFAX</b> -not offered<br>by O.E.M.) |
| PX 000068  | .035      | .044     |                | 3/8" I.D.<br>1-3/4"   |
| PX 000069  | .045      | .054     |                | (Used with M15)   |
| PX 087299  | .023-.025 | .031     |                | A-A Cut View  |
|            |           |          |                | 3/8" I.D.<br>A<br>1-3/4"  |
|            |           |          |                | (Used with M15)   |
| PX 000068T | .035      | .044     | PX 169715GL-38 | Nozzle 3/8" tapered<br>(Special made by<br><b>PROFAX</b> -not offered<br>by O.E.M.) |
| PX 000069T | .045      | .054     |                | 3/8" I.D.<br>A<br>1-3/4"  |
|            |           |          |                | (Used with M15)   |

| PROFAX NO.  | DESCRIPTION                      | PROFAX NO.     | DESCRIPTION                 |
|-------------|----------------------------------|----------------|-----------------------------|
| PX 169716   | Tip adapter                      | PX 169715      | Brass nozzle 1/2",<br>flush |
| PX 170470   | Retaining ring                   |                | 1/2" I.D.<br>1-3/4"         |
| PX 169716NF | Tip adapter<br>(no wrench flats) |                | A-A Cut View                |
| PX 170470   | Retaining ring                   | PX 169715GL-50 | Brass nozzle 1/2",<br>flush |
|             |                                  |                | 1/2" I.D.<br>A<br>1-3/4"    |
|             |                                  |                | (Used with M15)             |

| PROFAX NO. | DESCRIPTION        | PROFAX NO. | DESCRIPTION   |
|------------|--------------------|------------|---------------|
| PX TF-180M | Flexible Gooseneck | PX 180M45  | Gooseneck 45° |

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Replacement parts suitable for  
Miller Electric® Mfg. Co.®

**PROFAX**

Miller®



## 25M-Style

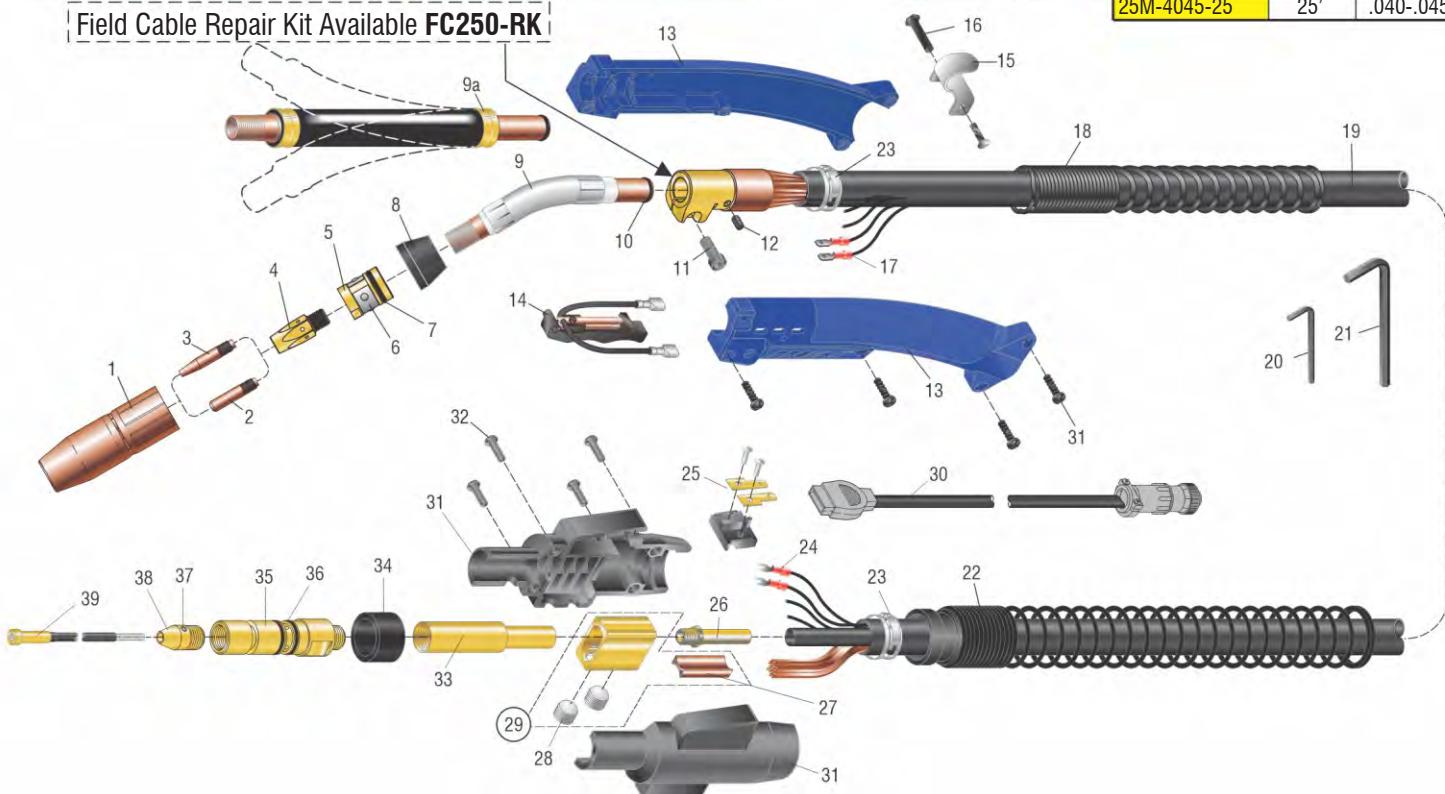
Compatible with Miller® "M-25"  
MIG gun consumables

### FEATURES:

- Consumables compatible to Miller® "M-25" MIG guns
- Direct connect to Miller® style wire feeders
- Slim ergonomic handle
- Large integral cooling slots
- Gooseneck can rotate a full 360 degrees
- Set screw for liner is located on side of handle for protection from spatter
- Slip-on nozzle
- Available up to .052 wire size

| PART NO.    | LENGTH | WIRE SIZE | PART NO.    | LENGTH | WIRE SIZE | PART NO.    | LENGTH | WIRE SIZE | PART NO.    | LENGTH | WIRE SIZE |
|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|
| 25M-3035-10 | 10'    | .030-.035 | 25M-3035-12 | 12'    | .030-.035 | 25M-3035-15 | 15'    | .030-.035 | 25M-3035-20 | 20'    | .030-.035 |
| 25M-4045-10 | 10'    | .040-.045 | 25M-4045-12 | 12'    | .040-.045 | 25M-4045-15 | 15'    | .040-.045 | 25M-4045-20 | 20'    | .040-.045 |
| 25M-052-10  | 10'    | .052      | 25M-052-12  | 12'    | .052      | 25M-052-15  | 15'    | .052      | 25M-3035-25 | 25'    | .030-.035 |
|             |        |           |             |        |           |             |        |           | 25M-4045-25 | 25'    | .040-.045 |

Field Cable Repair Kit Available **FC250-RK**



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# Replacement parts suitable for Miller Electric® Mfg. Co.® **PROFAX** 25M-Style 250 Amp MIG Gun Parts List

Miller®

| NO. | PROFAX NO.   | DESCRIPTION                                 | NO. | PROFAX NO.     | DESCRIPTION  |
|-----|--------------|---|-----|----------------|--|
| 1.  | PX 169724    | Nozzle 1/2", 1/8" recessed (standard)       | 20. | PX 44-25       | 5/64" hex wrench   |
|     | PX 169725    | Nozzle 5/8", 1/8" recessed                  | 21. | PX AL187       | 3/16" hex wrench   |
|     | PX 169726    | Nozzle 5/8", flush                          | 22. | PX R185-S      | Spring   |
|     | PX 169727    | Nozzle 5/8", 1/8" stickout                  | 23. | PX 132-12      | Clamp (2 required)   |
|     | PX 176243    | Nozzle 3/8", tapered copper 1/8" recessed   | 24. | PX 244         | Terminal   |
|     | PX 178386    | Nozzle 11/32", tapered copper 1/8" recessed | 25. | PX 194         | Connector tab assembly                                       |
|     | PX 200258    | Nozzle 1/2", flush                          | 26. | PX 62N         | Nipple   |
| 2.  |              | See chart below (standard)                  | 27. | PX 114         | Separator  |
| 3.  |              | See chart below                             | 28. | PX A-532-24    | 9/16" ball point screws                                      |
| 4.  | PX 169728    | Tip adapter                                 | 29. | PX 104         | Cable connector block assembly                               |
| 5.  | PX 169729    | Nozzle adapter                              | 30. | MSAK-354       | Control cord   |
| 6.  | PX 170467    | Retaining ring                              | 31. | PX R185-H      | Housing w/screws   |
| 7.  | PX 170468    | O-ring                                      | 32. | PX R185-SC     | Screws for housing (4)                                       |
| 8.  | PX 169730    | Shock washer                                | 33. | PX R172-UA     | Standard connector plug w/62N                                |
| 9.  | PX 64M45     | Gooseneck 45° (standard)                    | 34. | PX R174M-4     | Insulator  |
| 9a. | PX TFX-25M   | Flexible gooseneck                          | 35. | PX R174-M      | Connector, Miller®   |
| 10. | PX S70011    | O-ring                                      | 36. | PX 224         | O-ring   |
| 11. | PX 46C       | Socket head cap screw                       | 37. | PX 44C         | Set screw  |
| 12. | PX 45C       | Set screw 8-32 x 1/4                        | 38. | PX R174M-N     | Nipple for Miller® connection                                |
| 13. | PX 87-25M    | Handle w/screws                             | 39. | PX 42-23-15    | 15' wire conduit assembly .023                               |
| 14. | PX 25MT      | Trigger                                     |     | PX 42-3035-15  | 15' wire conduit assembly .030-.035                          |
| 15. | PX 154FC     | Hanger bracket                              |     | PX 42-4045-15  | 15' wire conduit assembly .040-.045                          |
| 16. | PX 122FM-SET | Post and screw                              |     | PX 42-116-15   | 15' wire conduit assembly .052 - 1/16"                       |
| 17. | PX 40MQ      | Male quick connect                          |     | PX 42-3035-25  | 25' wire conduit assembly .030-.035                          |
| 18. | PX 87-S      | Support spring                              |     | PX 42-4045-25  | 25' wire conduit assembly .040-.045                          |
| 19. | PX FC-210    | 10' cable assembly                          |     | PX 42-116-25   | 25' wire conduit assembly .052 - 1/16"                       |
|     | PX FC-212    | 12' cable assembly                          |     | PX 42N-3545-15 | 42N-3545-15 15' teflon conduit assembly (aluminum) .035-.045 |
|     | PX FC-215    | 15' cable assembly                          |     |                |  |
|     | PX FC-220    | 20' cable assembly                          |     |                |  |
|     | PX FC-225    | 25' cable assembly                          |     |                |  |

| PROFAX NO. | WIRE SIZE                             | TIP I.D. | PROFAX NO.                       | WIRE SIZE                | TIP I.D.                         |  |
|------------|---------------------------------------|----------|----------------------------------|--------------------------|----------------------------------|--|
| PX 000067  | .030                                  | .038     | 2                                |                          | 3                                |  |
| PX 000068  | .035                                  | .044     | 1/4" - 28 Thd.<br>1/4"<br>1-1/8" |                          | 1/4" - 28 Thd.<br>1/4"<br>1-1/8" |  |
| PX 000069  | .045                                  | .054     |                                  |                          |                                  |  |
| PX 044392  | .052                                  | .064     |                                  |                          |                                  |  |
| PX 087299  | .023-.025                             | .031     |                                  |                          |                                  |  |
| PX 172034  | 3/64"                                 | .059     |                                  |                          |                                  |  |
| PROFAX NO. | DESCRIPTION                           |          | PROFAX NO.                       | DESCRIPTION              |                                  |  |
| PX 169724  | Nozzle 1/2", 1/8" recessed (standard) |          | PX 64M45                         | Gooseneck 45° (standard) |                                  |  |
| PX 169725  | Nozzle 5/8", 1/8" recessed            |          | PX TFX-25M                       | Flexible gooseneck       |                                  |  |
| PX 169726  | Nozzle 5/8", flush                    |          | PX 169730                        | Shock washer             |                                  |  |
| PX 169727  | Nozzle 5/8", 1/8" stickout            |          | PX 169728                        | Tip adapter              |                                  |  |
| PX 176243  | Nozzle 3/8" tapered copper            |          | PX 169729                        | Nozzle adapter           |                                  |  |
| PX 178386  | Nozzle 11/32" tapered copper          |          | PX 170467                        | Retaining ring           |                                  |  |
| PX 200258  | Nozzle 1/2", flush                    |          | PX 170468                        | O-ring                   |                                  |  |

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Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

**Miller**

| PROFAX NO. | MILLER® | WIRE SIZE  | TIP I.D. | PROFAX NO.  | MILLER® | WIRE SIZE             | TIP I.D. |
|------------|---------|------------|----------|---|---------|-----------------------|----------|
| PX 186406  | 186406  | .035       | .044     | PX 148155   | 148155  | .030-.035             | .054     |
| PX 186419  | 186419  | .030       | .038     | PX 148154   | 148154  | 3/64"                 | .078     |
|            |         |            |          | PX 148156   | 148156  | 1/16"                 | .109     |
|            |         |            |          | (For the Spoolmate 185)   |         |                       |          |
| PX 000067  | 000067  | .030       | .038     | PX 050637   | 050637  | 1/16"                 | .078     |
| PX 000068  | 000068  | .035       | .044     | PX 050638   | 050638  | .030                  | .040     |
| PX 000069  | 000069  | .045       | .054     | PX 094259   | 094259  | .035                  | .054     |
| PX 044392  | 044392  | .052       | .064     | PX 094260   | 094260  | 3/64"                 | .064     |
| PX 087299  | 087299  | .023-.025  | .031     |   |         |                       |          |
| PX 172024  | 172024  | 1/16"      | .073     |   |         |                       |          |
| PX 172025  | 172025  | 5/64"      | .090     |   |         |                       |          |
| PX 172034  | 172034  | 3/64"      | .059     |   |         |                       |          |
|            |         |            |          | (For the GA-21C & CM, GA-40C, GA-40CAL, M15, M25, & M40)  |         |                       |          |
| PX 000068T | 000068T | .035       | .044     | PX 005432   | 005432  | Curved Nozzle         |          |
| PX 000069T | 000069T | .045       | .054     |   |         |                       |          |
|            |         |            |          | (For the GA-21C & CM, GA-40C, GA-40CAL, M15, M25, & M40)  |         |                       |          |
| PX 054201  | 054201  | .045       | .054     | PX 050115   | 050115  | Nozzle 1/2"           |          |
| PX 054202  | 054202  | .035       | .044     | PX 050622   | 050622  | Nozzle 5/8"           |          |
| PX 071825  | 071825  | .030       | .038     | PX 050116   | 050116  | Nozzle 13/16"         |          |
| PX 087300  | 087300  | .023-.025  | .031     |   |         |                       |          |
|            |         |            |          | (For the GA-17C, GA-21C & CM, GA-20C, GA-40C, GA-40CAL, GA-50C1, GA-50P, GA-40GL, & GA-50GL guns) |         |                       |          |
| PX 176793  | 176793  | .035       | .044     | PX 186405   | 186405  | Nozzle 1/2"           |          |
| PX 176794  | 176794  | .045       | .054     |   |         |                       |          |
| PX 176797  | 176797  | .030       | .038     |   |         |                       |          |
|            |         |            |          | (For the GA-17C, GA-21C & CM, GA-20C, GA-40C, GA-40CAL, GA-50C1, GA-50P, GA-40GL, & GA-50GL guns) |         |                       |          |
| PX 135044  | 135044  | .035 S     | .044     | PX 128535   | 128535  | Nozzle 9/16"          |          |
| PX 135424  | 135424  | .047 A     | .059     |   |         |                       |          |
| PX 135425  | 135425  | .062 A     | .078     |   |         |                       |          |
| PX 135427  | 135427  | .030 S     | .035     |   |         |                       |          |
| PX 135428  | 135428  | .030 A     | .040     |   |         |                       |          |
| PX 135429  | 135429  | .045 S     | .054     |   |         |                       |          |
| PX 135430  | 135430  | .035 A     | .050     |   |         |                       |          |
| PX 147314  | 147314  | .035 S     | .040     |   |         |                       |          |
|            |         |            |          | (Used with XR™ & Spoolmatic 30A)  |         |                       |          |
| PX 050104  | 050104  | 3/64"      | .078     | PX 149146   | 149146  | Nozzle 5/8"           |          |
| PX 050105  | 050105  | 1/16"      | .109     | PX 049929   | 049929  | Nozzle 5/8" x 2-1/16" |          |
| PX 119349  | 119349  | Use 143371 | .044     |   |         |                       |          |
| PX 143371  | 143371  | .030-.035  | .044     |   |         |                       |          |
|            |         |            |          | (Used with Spoolmate 185)   |         |                       |          |
|            |         |            |          | (Used with GA-17C)  |         |                       |          |
|            |         |            |          | (Used with GA-21C & CM)   |         |                       |          |

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Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

| PROFAX NO.     | MILLER®   | DESCRIPTION   | PROFAX NO.               | MILLER®          | DESCRIPTION  |
|----------------|-----------|---|--------------------------|------------------|--|
| PX 169715-38   | 169715-38 | Nozzle 3/8" tapered<br>(Special made by <b>PROFAX</b> -not offered by O.E.M.) | PX 200258                | 200258           | Nozzle 1/2",<br>Flush                              |
| PX 169715GL-38 |           | Nozzle 3/8" tapered(Special made by <b>PROFAX</b> -not offered by O.E.M.)     | PX 169717                | 169717           | Shock washer<br>(Used with M15)                    |
| PX 169715      | 169715    | Brass nozzle 1/2",<br>flush   | PX 169730                | 169730           | Shock washer<br>(Used with M25 & M40)              |
| PX 169715GL-50 |           | Brass nozzle<br>1/2", flush   | PX 118267                | 118267           | Tip adapter .023-.035                              |
| PX 169724      | 169724    | Nozzle 1/2", 1/2" I.D.,<br>1/8" recessed                                      | PX 146425                | 146425           | Tip adapter .030-.045                              |
| PX 169725      | 169725    | Nozzle 5/8",<br>1/8" recessed   | PX 169716<br>PX 170470   | 169716<br>170470 | Tip adapter<br>Retaining ring                      |
| PX 169726      | 169726    | Nozzle 5/8", flush  | PX 169716NF<br>PX 170470 |                  | Tip adapter<br>(no wrench flats)<br>Retaining ring |
| PX 169727      | 169727    | Nozzle 5/8",<br>1/8" stickout   | PX 169728                | 169728           | Tip adapter  |
| PX 176243      | 176243    | Nozzle 3/8" tapered copper  | PX 169729                | 169729           | Nozzle adapter                                     |
| PX 178386      | 178386    | Nozzle 11/32" tapered copper<br>1/8" recessed                                 | PX 170467<br>PX 170468   | 170467<br>170468 | Retaining ring<br>O-ring                           |

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**Miller®**

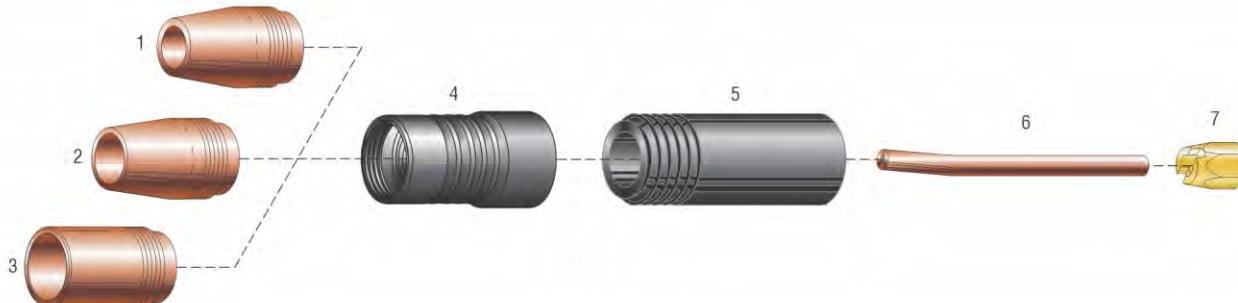


Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

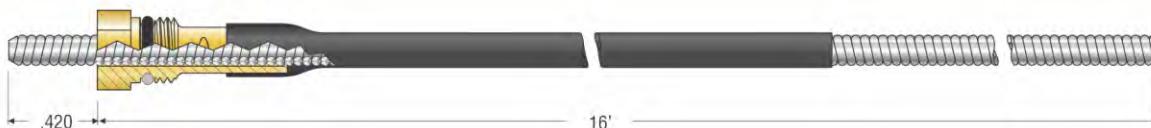
Miller®

| PROFAX NO. | MILLER® | DESCRIPTION       | PROFAX NO. | DESCRIPTION                      |
|------------|---------|-------------------|------------|----------------------------------|
| PX 169731  | 169731  | Gooseneck M25 Gun | MFX-4      | Flexible barrel for extreme heat |

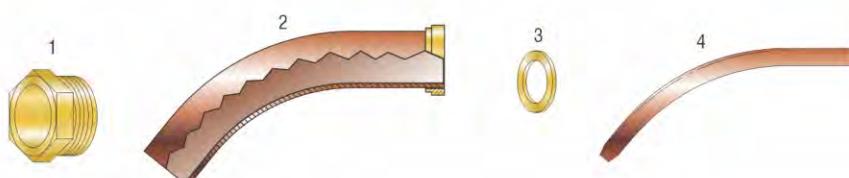


(Used with XR15™, XR30 and Spoolmatic® 1, 2, and 3)

| NO. | PROFAX NO. | MILLER® | DESCRIPTION      | NO. | PROFAX NO. | MILLER® | DESCRIPTION                |
|-----|------------|---------|------------------|-----|------------|---------|----------------------------|
| 1.  | PX 050115  | 050115  | Nozzle 1/2"      | 6.  | PX 050637  | 050637  | Contact tip 1/16"          |
| 2.  | PX 050622  | 050622  | Nozzle 5/8"      |     | PX 050638  | 050638  | Contact tip .030           |
| 3.  | PX 050116  | 050116  | Nozzle 13/16"    |     | PX 094259  | 094259  | Contact tip .035           |
| 4.  | PX 144862  | 144862  | Nozzle extension |     | PX 094260  | 094260  | Contact tip 3/64" (050626) |
| 5.  | PX 156821  | 156821  | Barrel extension | 7.  | PX 058676  | 058676  | Nut, brass compression     |



| PROFAX NO. | MILLER® | DESCRIPTION  | I.D. | O.D. |
|------------|---------|--|------|------|
| PX 079975  | 079975  | O-ring   |      |      |
| PX 194010  | 194010  | 15' replacement liner assembly - used with .023-.025 diameter wire   | .039 | .125 |
| PX 194011  | 194011  | 15' replacement liner assembly - used with .030-.035 diameter wire   | .045 | .165 |
| PX 194012  | 194012  | 15' replacement liner assembly - used with .035-.045 diameter wire   | .065 | .175 |
| PX 194013  | 194013  | 15' replacement liner assembly - used with 1/16"-5/64" diameter wire | .109 | .190 |



(Used with XRA™ 15, 30A and Spoolmatic® 30A)

| NO. | PROFAX NO. | MILLER® | DESCRIPTION                    | NO. | PROFAX NO. | MILLER® | DESCRIPTION                |
|-----|------------|---------|--------------------------------|-----|------------|---------|----------------------------|
| 1.  | PX 005417  | 005417  | Nut, retaining nozzle          | 4.  | PX 148155  | 148155  | Bent contact tip .030-.035 |
| 2.  | PX 005432  | 005432  | Curved nozzle w/retaining ring |     | PX 148154  | 148154  | Bent contact tip 3/64"     |
| 3.  | PX 148157  | 148157  | Washer                         |     | PX 148156  | 148156  | Bent contact tip 1/16"     |

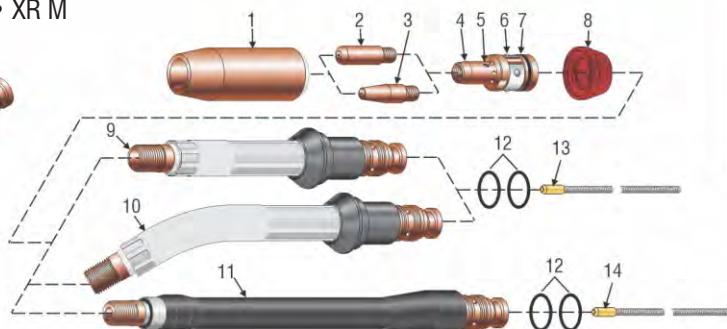
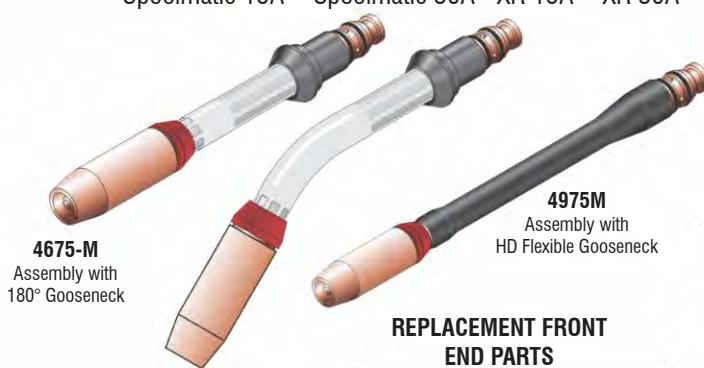
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Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

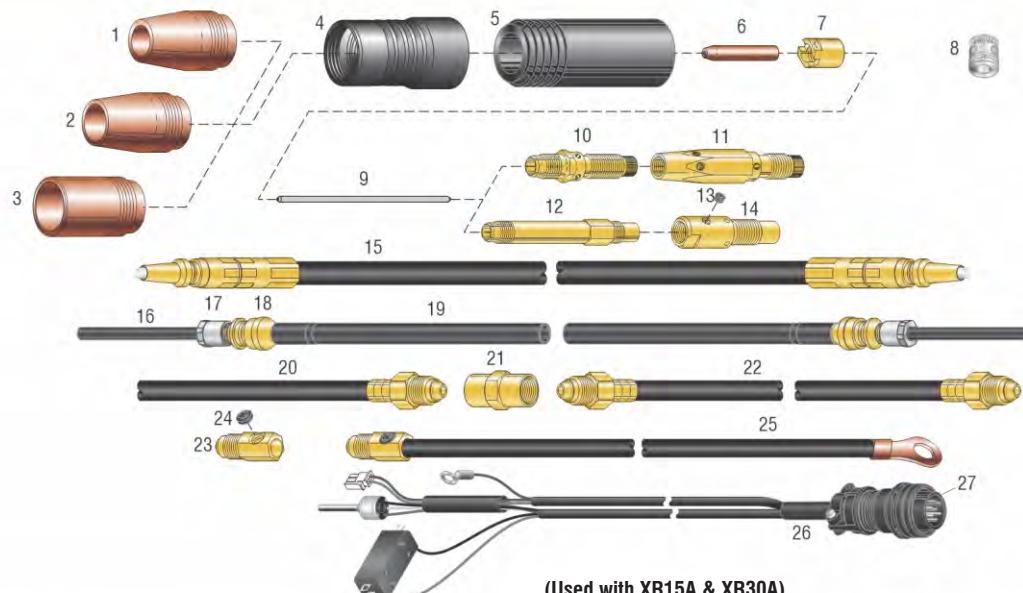
**PROFAX**

Heavy Duty Front Ends for  
Spoolmatic 15A • Spoolmatic 30A - XR 15A • XR 30A • XR M



#### REPLACEMENT FRONT END PARTS

| NO. | PROFAX NO.  | DESCRIPTION      | NO. | PROFAX NO. | DESCRIPTION          | NO. | PROFAX NO. | DESCRIPTION           |
|-----|-------------|------------------|-----|------------|----------------------|-----|------------|-----------------------|
| 1.  | 27 series   | Nozzles (Pg. 51) | 6.  | 240        | Retaining Ring       | 11. | 4925M      | HD flexible gooseneck |
| 2.  | 17 series   | Tip (Pg. 51)     | 7.  | 260        | O-ring               | 12. | 225        | O-rings(2)            |
| 3.  | 17ST series | Tip (Pg. 51)     | 8.  | 17SW       | Shock washer         | 13. | 4010       | Liner                 |
| 4.  | 57HD        | Gas diffuser     | 9.  | 4600M      | Gooseneck - straight | 14. | 4010HDF    | Liner H.D. flexible   |
| 5.  | 44C         | Screw            | 10. | 4645M      | Gooseneck - 45°      |     |            |                       |



(Used with XR15A & XR30A)

| NO. | PROFAX NO. | MILLER® | DESCRIPTION  | NO. | PROFAX NO. | MILLER® | DESCRIPTION                                   |
|-----|------------|---------|--|-----|------------|---------|---|
| 1.  | PX 050115  | 050115  | Nozzle 1/2"  | 13. | PX 604612  | 604612  | Set screw 8-32 x .125 cup point               |
| 2.  | PX 050622  | 050622  | Nozzle 5/8"  | 14. | PX 164422  | 164422  | Tube, head                                    |
| 3.  | PX 050116  | 050116  | Nozzle 13/16"                                      | 15. | PX 112715  | 112715  | 192" conduit for Miller® 30A, XR              |
| 4.  | PX 144862  | 144862  | Extension nozzle                                   |     | PX 112716  | 112716  | 372" conduit for Miller® 30A, XR              |
| 5.  | PX 156821  | 156821  | Extension barrel                                   | 16. | PX 191065  | 191065  | 32' replacement liner                         |
| 6.  | PX 135424  | 135424  | Contact tube .047                                  | 17. | PX 185106  | 185106  | Nut   |
|     | PX 135425  | 135425  | Contact tube .062                                  | 18. | PX 192040  | 192040  | Fitting                                       |
|     | PX 135427  | 135427  | Contact tube .030                                  | 19. | PX 194410  | 194410  | 30' conduit/liner with fittings               |
|     | PX 135428  | 135428  | Contact tube .030                                  | 20. | PX 137472  | 137472  | Gas hose 30'                                  |
|     | PX 135429  | 135429  | Contact tube .047                                  | 21. | PX 000950  | 000950  | Hose coupler                                  |
|     | PX 135430  | 135430  | Contact tube .035                                  | 22. | PX 048837  | 048837  | Gas hose 10'                                  |
|     | PX 147314  | 147314  | Contact tube .035                                  | 23. | PX 137495  | 137495  | Fitting                                       |
|     |            |         |  |     | PX 235753  | 235753  | New part number                               |
| 7.  | PX 136748  | 136748  | Compression nut                                    | 24. | PX 141694  | 141694  | Set screw .312-18 x .375                      |
| 8.  | PX 136135  | 136135  | Drive roll .030-1/16"                              | 25. | PX 235689  | 235689  | Cable assembly, 15' - New part number         |
|     | PX 183357  | 183357  | Drive roll .030-.035                               |     | PX 137479  | 137479  | Cable assembly, 30'                           |
|     | PX 183358  | 183358  | Drive roll .047-.062                               |     | PX 235690  | 235690  | Cable assembly, 30' - New part number         |
| 9.  | PX 136682  | 136682  | Teflon liner .023-.035 wire sizes                  | 26. | PX 138458  | 138458  | Control cable assembly, 15'                   |
|     | PX 136683  | 136683  | Teflon liner .045-1/16" wire sizes                 |     | PX 138459  | 138459  | Control cable assembly, 30'                   |
| 10. | PX 136680  | 136680  | Adapter, contact tube (Use prior to s/n KD-432881) |     | PX 198810  | 198810  | Control cable assembly, 30' - New part number |
| 11. | PX 136681  | 136681  | Tube, head (Use prior to s/n KD-432881)            |     | PX 204605  | 204605  | Control cable assembly, 30' - New part number |
| 12. | PX 164421  | 164421  | Adapter, contact tube                              | 27. | PX 146212  | 146212  | 10 pin plug                                   |

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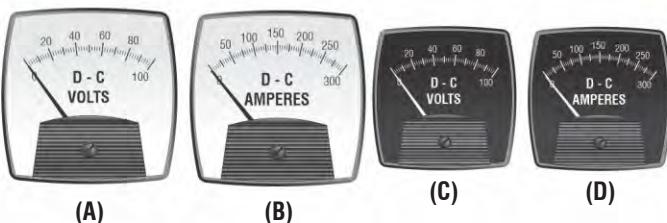
Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**Miller®**

**PROFAX**

## VOLTMETERS/AMMETERS

| PROFAX NO. | MILLER® | FACE   | STYLE | CURRENT | VOLTS | AMPS  |
|------------|---------|--------|-------|---------|-------|-------|
| PX 025603  | 025603  | 3.500" | B     | DC      | —     | 0-300 |
| PX 025604  | 025604  | 3.500" | A     | DC      | 0-100 | —     |
| PX 025608  | 025608  | 3.500" | B     | DC      | —     | 0-500 |
| PX 025610  | 025610  | 3.500" | B     | DC      | —     | 0-800 |
| PX 025632  | 025632  | 3.500" | A     | DC      | 0-50  | —     |
| PX 118899  | 118899  | 2.710" | D     | DC      | —     | 0-800 |
| PX 118900  | 118900  | 2.710" | D     | DC      | —     | 0-600 |
| PX 118901  | 118901  | 2.710" | D     | DC      | —     | 0-500 |
| PX 118902  | 118902  | 2.710" | C     | DC      | 0-50  | —     |
| PX 119005  | 119005  | 2.710" | D     | DC      | —     | 0-400 |
| PX 119006  | 119006  | 2.710" | C     | DC      | 0-100 | —     |
| PX 121207  | 121207  | 2.710" | D     | DC      | —     | 0-300 |



## WIRE FEEDER KNOBS



| PROFAX NO. | MILLER® | PROFAX NO. | MILLER® | PROFAX NO. | MILLER® |
|------------|---------|------------|---------|------------|---------|
| PX 079772  | 079772  | PX 124778  | 124778  | PX 151437  | 151437  |

S22A Prior to KA579476  
S22P12, S22P8, S32P and  
50 Series Feeders      S22A Starting with KA579476  
S32S, S32SL, SC8VS, SC12VS,  
SC8RC, Super 32P Ultralite,  
and R115 Feeders

## TERMINALS



### Black

| PROFAX NO. | MILLER® |
|------------|---------|
| PX 039046  | 039046  |
| PX 181246  | 181246  |
| PX 274859  | 274859  |

### Red

| PROFAX NO. | MILLER® |
|------------|---------|
| PX 039047  | 039047  |
| PX 181245  | 181245  |
| PX 274848  | 274848  |

## FAN MOTOR

PX 116190 116190 Fan motor



### Specifications:

- 1/12 HP
- 1550 RPM
- 230 Volt-1ph-60Hz
- .65 Amp
- Thermally Protected

Part no. supersedes no.'s 032603, 079801,  
208402 & 238626.

## PROFAX NO. MILLER® DESCRIPTION

PX 601879 601879 Replacement hex nut

## SENSOR LEAD

### PROFAX NO. MILLER® DESCRIPTION

|          |        |   |
|----------|--------|---|
| PX172732 | 172732 | 15' Sensor lead 8VS & 12VS                    |
| PX126693 | 126693 | 15' Sensor lead S32P                          |
| PX214011 | 214011 | 16' Sensor lead Extreme                       |
| PX252212 | 252212 | 16' Sensor lead w/strain relief X-Treme® 12VS |
| PX252262 | 252262 | 25" Trigger cable w/strain relief             |

## TRIGGER ADAPTER

| PROFAX NO. | MILLER® | DESCRIPTION                           |
|------------|---------|---------------------------------------|
| PX 202692  | 202692  | Adapter, Trigger, Miller® to Lincoln® |





Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

## DIODES

| PROFAX NO. | MILLER® | DESCRIPTION      | POLARITY | STUD SIZE |
|------------|---------|------------------|----------|-----------|
| PX 037305  | 037305  | 150 amp 300 volt | Straight | 3/8"      |
| PX 037306  | 037306  | 150 amp 300 volt | Reverse  | 3/8"      |



| PROFAX NO. | MILLER® | DESCRIPTION      | POLARITY | STUD SIZE |
|------------|---------|------------------|----------|-----------|
| PX 037993  | 037993  | 150 amp 300 volt | Straight | 1/2"      |
| PX 037994  | 037994  | 150 amp 300 volt | Reverse  | 1/2"      |



| PROFAX NO. | MILLER® | DESCRIPTION      | POLARITY | STUD SIZE |
|------------|---------|------------------|----------|-----------|
| PX 037956  | 037956  | 275 amp 300 volt | Straight | 3/4"      |
| PX 037957  | 037957  | 275 amp 300 volt | Reverse  | 3/4"      |



## BRIDGE RECTIFIER

| PROFAX NO. | MILLER® | DESCRIPTION                      |
|------------|---------|----------------------------------|
| PX 035704  | 035704  | Bridge rectifier 40 amp 800 volt |



## 12 Volt/250 Amp Contactor

| PROFAX NO. | MILLER® | DESCRIPTION |
|------------|---------|-------------|
| 6427       | 110361  | Contactor   |
|            | 138035  |             |
|            | 192809  |             |
|            | 224039  |             |
|            | 224697  |             |
|            | 255627  |             |
|            | 252202  |             |

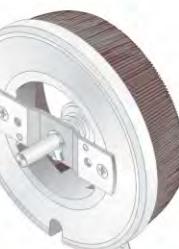
NOTE: THIS IS THE CONTACTOR ONLY AND DOES NOT INCLUDE ANY SHIELDING, BRACKETS, OR BUSS BARS WHICH WERE FURNISHED BY THE EQUIPMENT MANUFACTURER IN THE ORIGINAL CONTACTOR KITS.

This contactor is a replacement suitable for the MILLER® 110361 contactor that is used in the 115/12 SECONDARY CONTACTOR and the 130676 and 130677 contactor kits for the S32P12, SUPER 32, 8VS, and 12VS voltage sensing wire feeders.



## RHEOSTATS

| PROFAX NO. | MILLER®                              | OHM | WATT |
|------------|--------------------------------------|-----|------|
| PX 030653  | 030653                               | 15  | 150  |
| PX 222996  | 222996                               |     |      |
| PX 205839  | 205839<br>(Supersedes 117243)        | 10  | 100  |
| PX 207177  | 207177<br>(Supersedes 200657 233060) | 14  | 150  |
| PX 605960  | 605960                               | 34  | 300  |
| PX 239168  | 239168                               | 50  | 150  |

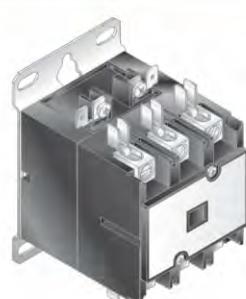


## POTENTIOMETER

| PROFAX NO. | MILLER® | DESCRIPTION                          |
|------------|---------|--------------------------------------|
| PX 072462  | 072462  | Potentiometer w/Tension Nut 1K-1T-2W |
| PX 072590  | 072590  | Shaft Tension Nut                    |
| PX 198087  | 198087  | Potentiometer w/out Tension Nut      |
| PX 073562  | 073562  | Potentiometer 10K-1T-2W              |
| PX 208399  | 208399  | Potentiometer 10K-1T-2W              |



## CONTACTORS



For contactors suitable for use in Miller® power sources see contactor section at back of catalog pages 285 - 288.

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Miller®



Replacement Parts Suitable For:

**Miller Electric Mfg. Co.®**

Miller®

## TWO ROLL KITS FOR THE FOLLOWING MILLER® WIRE FEEDERS:

8VS, 12VS, Extreme 12VS, S22A, S22P, S32S, S32P, S42GL, S52, D52, Millermatic® 200, 250, 251, 252, 250MP, 250X, and Vintage®, Portamig, Automatic Drives A1-2, A2-2 & A1D-2, SwingArc Single, Dual, SwingArc Digital 1 & 2.

(Note: D52, SwingArc Dual & SwingArc Digital 2 requires **two** kits.)



Anti wear guide (045233) is optional on this style kit.

### KITS CONTAIN TWO DRIVE ROLLS, AND ONE INLET GUIDE.

| "V" GROOVE KITS         |           | KIT PARTS  |             | "V" GROOVE KITS         |           | KIT PARTS  |             |                    |
|-------------------------|-----------|------------|-------------|-------------------------|-----------|------------|-------------|--------------------|
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .023 / .025             | PX 087131 | PX 087130  | PX 056192   | .023 / .025             | PX 087132 | PX 087130  | PX 056192   | PX 056206          |
| .030                    | PX 079594 | PX 053695  | PX 056192   | .030                    | PX 046780 | PX 053695  | PX 056192   | PX 056206          |
| .035                    | PX 079595 | PX 053700  | PX 056192   | .035                    | PX 046781 | PX 053700  | PX 056192   | PX 056206          |
| .040                    |           | PX 053696  | PX 056193   | .040                    | PX 191917 | PX 053696  | PX 056193   | PX 056207          |
| .045                    | PX 079596 | PX 053697  | PX 056193   | .045                    | PX 046782 | PX 053697  | PX 056193   | PX 056207          |
| .052                    | PX 079597 | PX 053698  | PX 056193   | .052                    | PX 046783 | PX 053698  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079598 | PX 053699  | PX 056195   | 1/16"                   | PX 046784 | PX 053699  | PX 056195   | PX 056209          |
| "U" GROOVE KITS         |           | KIT PARTS  |             | "U" GROOVE KITS         |           | KIT PARTS  |             |                    |
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .035                    | PX 044749 | PX 072000  | PX 056192   | .035                    | PX 044750 | PX 072000  | PX 056192   | PX 056206          |
| .045                    | PX 079599 | PX 053701  | PX 056193   | .045                    | PX 046785 | PX 053701  | PX 056193   | PX 056207          |
| .052                    | PX 079600 | PX 053702  | PX 056193   | .052                    | PX 046786 | PX 053702  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079601 | PX 053706  | PX 056195   | 1/16"                   | PX 046787 | PX 053706  | PX 056195   | PX 056209          |
| 5/64"                   | PX 079602 | PX 053704  | PX 056195   | 5/64"                   | PX 046788 | PX 053704  | PX 056195   | PX 056209          |
| 3/32"                   | PX 079603 | PX 053703  | PX 056196   | 3/32"                   | PX 046789 | PX 053703  | PX 056196   | PX 056210          |
| 7/64"                   | PX 079604 | PX 053705  | PX 056196   | 7/64"                   | PX 046790 | PX 053705  | PX 056196   | PX 056210          |
| "V" KNURLED GROOVE KITS |           | KIT PARTS  |             | "V" KNURLED GROOVE KITS |           | KIT PARTS  |             |                    |
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .035                    | PX 079606 | PX 132958  | PX 056192   | .035                    | PX 046792 | PX 132958  | PX 056192   | PX 056206          |
| .045                    | PX 079607 | PX 132957  | PX 056193   | .045                    | PX 046793 | PX 132957  | PX 056193   | PX 056207          |
| .052                    | PX 079608 | PX 132956  | PX 056193   | .052                    | PX 046794 | PX 132956  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079609 | PX 132955  | PX 056195   | 1/16"                   | PX 046795 | PX 132955  | PX 056195   | PX 056209          |
| .068-.072               | PX 089984 | PX 132959  | PX 056195   | .068-.072               |           | PX 132959  | PX 056195   | PX 056209          |
| 5/64"                   | PX 079610 | PX 132960  | PX 056195   | 5/64"                   | PX 046796 | PX 132960  | PX 056195   | PX 056209          |
| 3/32"                   | PX 079611 | PX 132961  | PX 056196   | 3/32"                   | PX 046797 | PX 132961  | PX 056196   | PX 056210          |
| 7/64"                   | PX 079612 | PX 132962  | PX 056196   | 7/64"                   | PX 046798 | PX 132962  | PX 056196   | PX 056210          |
| 1/8"                    | PX 079613 | PX 132963  | PX 056197   | 1/8"                    | PX 046799 | PX 132963  | PX 056197   | PX 056211          |

Same size drive rolls can be cross matched to meet specific needs: e.g.

"U" Groove with "V" Knurled. (Note: Cross matching is not available as kits. Standard kits or individual kit pieces must be ordered for cross matching.)

"V" Groove Used for hard wires.

"U" Groove Used for soft-shelled cored wires and are recommended for feeding aluminum wires.

"V" Knurled Used for hard-shelled cored wires.

The Miller 30E can also use these kits if the **044560** conversion kit from **Miller®** is installed.

**PROFAX** is in no way affiliated with MILLER ELECTRIC MFG. CO. The parts advertised for sale are not genuine MILLER ELECTRIC MFG. CO. parts, but are parts made for and by **PROFAX**.

References to MILLER ELECTRIC MFG. CO. machines, torches, and numbers are for your convenience only. We reserve the right to substitute genuine MILLER ELECTRIC MFG. CO. parts in place of 250 **PROFAX** parts.

**PROFAX**

## FOUR ROLL KITS FOR THE FOLLOWING

### MILLER® WIRE FEEDERS:

R115V, S24, S24A, S44GL, S54A, S54D, S54E, S54M, D54A, D54D, D54M & Automatic Drives A1-4, A2-4, A1D-4, & Millermatic® 300.

(Note: The D54A D54D & D54M requires **two** kits.)



Anti wear guide (045233) is optional on this style kit.

### KITS CONTAIN FOUR DRIVE ROLLS, ONE INLET GUIDE AND ONE INTERMEDIATE GUIDE.

| "V" GROOVE KITS         |           | KIT PARTS  |             | "V" GROOVE KITS         |           | KIT PARTS  |             |                    |
|-------------------------|-----------|------------|-------------|-------------------------|-----------|------------|-------------|--------------------|
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .023 / .025             | PX 087131 | PX 087130  | PX 056192   | .023 / .025             | PX 087132 | PX 087130  | PX 056192   | PX 056206          |
| .030                    | PX 079594 | PX 053695  | PX 056192   | .030                    | PX 046780 | PX 053695  | PX 056192   | PX 056206          |
| .035                    | PX 079595 | PX 053700  | PX 056192   | .035                    | PX 046781 | PX 053700  | PX 056192   | PX 056206          |
| .040                    |           | PX 053696  | PX 056193   | .040                    | PX 191917 | PX 053696  | PX 056193   | PX 056207          |
| .045                    | PX 079596 | PX 053697  | PX 056193   | .045                    | PX 046782 | PX 053697  | PX 056193   | PX 056207          |
| .052                    | PX 079597 | PX 053698  | PX 056193   | .052                    | PX 046783 | PX 053698  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079598 | PX 053699  | PX 056195   | 1/16"                   | PX 046784 | PX 053699  | PX 056195   | PX 056209          |
| "U" GROOVE KITS         |           | KIT PARTS  |             | "U" GROOVE KITS         |           | KIT PARTS  |             |                    |
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .035                    | PX 044749 | PX 072000  | PX 056192   | .035                    | PX 044750 | PX 072000  | PX 056192   | PX 056206          |
| .045                    | PX 079599 | PX 053701  | PX 056193   | .045                    | PX 046785 | PX 053701  | PX 056193   | PX 056207          |
| .052                    | PX 079600 | PX 053702  | PX 056193   | .052                    | PX 046786 | PX 053702  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079601 | PX 053706  | PX 056195   | 1/16"                   | PX 046787 | PX 053706  | PX 056195   | PX 056209          |
| 5/64"                   | PX 079602 | PX 053704  | PX 056195   | 5/64"                   | PX 046788 | PX 053704  | PX 056195   | PX 056209          |
| 3/32"                   | PX 079603 | PX 053703  | PX 056196   | 3/32"                   | PX 046789 | PX 053703  | PX 056196   | PX 056210          |
| 7/64"                   | PX 079604 | PX 053705  | PX 056196   | 7/64"                   | PX 046790 | PX 053705  | PX 056196   | PX 056210          |
| "V" KNURLED GROOVE KITS |           | KIT PARTS  |             | "V" KNURLED GROOVE KITS |           | KIT PARTS  |             |                    |
| WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | WIRE SIZE               | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE |
| .035                    | PX 079606 | PX 132958  | PX 056192   | .035                    | PX 046792 | PX 132958  | PX 056192   | PX 056206          |
| .045                    | PX 079607 | PX 132957  | PX 056193   | .045                    | PX 046793 | PX 132957  | PX 056193   | PX 056207          |
| .052                    | PX 079608 | PX 132956  | PX 056193   | .052                    | PX 046794 | PX 132956  | PX 056193   | PX 056207          |
| 1/16"                   | PX 079609 | PX 132955  | PX 056195   | 1/16"                   | PX 046795 | PX 132955  | PX 056195   | PX 056209          |
| .068-.072               | PX 089984 | PX 132959  | PX 056195   | .068-.072               |           | PX 132959  | PX 056195   | PX 056209          |
| 5/64"                   | PX 079610 | PX 132960  | PX 056195   | 5/64"                   | PX 046796 | PX 132960  | PX 056195   | PX 056209          |
| 3/32"                   | PX 079611 | PX 132961  | PX 056196   | 3/32"                   | PX 046797 | PX 132961  | PX 056196   | PX 056210          |
| 7/64"                   | PX 079612 | PX 132962  | PX 056196   | 7/64"                   | PX 046798 | PX 132962  | PX 056196   | PX 056210          |
| 1/8"                    | PX 079613 | PX 132963  | PX 056197   | 1/8"                    | PX 046799 | PX 132963  | PX 056197   | PX 056211          |

Same size drive rolls can be cross matched to meet specific needs: e.g.

"U" Groove with "V" Knurled. (Note: Cross matching is not available as kits. Standard kits or individual pieces must be ordered for cross matching.)

"V" Groove Used for hard wires.

"U" Groove Used for soft-shelled cored wires and recommended for aluminum wires.

"V" Knurled Used for hard-shelled cored wires.

The Miller 30A & B can also use these kits if the **044559** conversion kit from **Miller®** is installed.

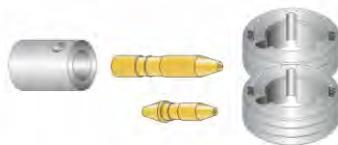


Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

**TWO ROLL KITS FOR THE FOLLOWING  
MILLER® 62 SERIES WIRE FEEDERS:**

S62, S62D, and D62D requires **one** kit.  
D62 and D62D are dual feeders and requires **two** kits.



Optional anti-wear guide  
PN: 221030



**KITS CONTAIN TWO DRIVE ROLLS, ONE INLET GUIDE, ONE  
INTERMEDIATE GUIDE AND ONE ANTI-WEAR GUIDE.**

| "V" GROOVE KITS |           | KIT PARTS  |             |                    |                 | "V" GROOVE KITS |           | KIT PARTS  |             |                    |                 |
|-----------------|-----------|------------|-------------|--------------------|-----------------|-----------------|-----------|------------|-------------|--------------------|-----------------|
| WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE | WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE |
| .023 / .025     | PX 151030 | PX 087130  | PX 150993   | PX 149518          | PX 045233       | .023 / .025     | PX 151024 | PX 087130  | PX 150993   | PX 149518          | PX 045233       |
| .030            | PX 151031 | PX 053695  | PX 150993   | PX 149518          | PX 045233       | .030            | PX 151025 | PX 053695  | PX 150993   | PX 149518          | PX 045233       |
| .035            | PX 151032 | PX 053700  | PX 150993   | PX 149518          | PX 045233       | .035            | PX 151026 | PX 053700  | PX 150993   | PX 149518          | PX 045233       |
| .040            | PX 161189 | PX 053696  | PX 150994   | PX 149519          | PX 045233       | .040            | PX 161190 | PX 053696  | PX 150994   | PX 149519          | PX 045233       |
| .045            | PX 151033 | PX 053697  | PX 150994   | PX 149519          | PX 045233       | .045            | PX 151027 | PX 053697  | PX 150994   | PX 149519          | PX 045233       |
| .052            | PX 151034 | PX 053698  | PX 150994   | PX 149519          | PX 045233       | .052            | PX 151028 | PX 053698  | PX 150994   | PX 149519          | PX 045233       |
| 1/16"           | PX 151035 | PX 053699  | PX 150995   | PX 149520          | PX 045233       | 1/16"           | PX 151029 | PX 053699  | PX 150995   | PX 149520          | PX 045233       |
| "U" GROOVE KITS |           | KIT PARTS  |             |                    |                 | "U" GROOVE KITS |           | KIT PARTS  |             |                    |                 |
| WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE | WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE |
| .035            | PX 151044 | PX 072000  | PX 150993   | PX 149518          | PX 045233       | .035            | PX 151036 | PX 072000  | PX 150993   | PX 149518          | PX 045233       |
| .045            | PX 151045 | PX 053701  | PX 150994   | PX 149519          | PX 045233       | .045            | PX 151037 | PX 053701  | PX 150994   | PX 149519          | PX 045233       |
| .052            | PX 151046 | PX 053702  | PX 150994   | PX 149519          | PX 045233       | .052            | PX 151038 | PX 053702  | PX 150994   | PX 149519          | PX 045233       |
| 1/16"           | PX 151047 | PX 053706  | PX 150995   | PX 149520          | PX 045233       | 1/16"           | PX 151039 | PX 053706  | PX 150995   | PX 149520          | PX 045233       |
| 5/64"           | PX 151048 | PX 053704  | PX 150995   | PX 149520          | PX 045233       | 5/64"           | PX 151040 | PX 053704  | PX 150995   | PX 149520          | PX 045233       |
| 3/32"           | PX 151049 | PX 053703  | PX 150996   | PX 149521          | PX 045233       | 3/32"           | PX 151041 | PX 053703  | PX 150996   | PX 149521          | PX 045233       |
| 7/64"           | PX 151050 | PX 053705  | PX 150996   | PX 149521          | PX 045233       | 7/64"           | PX 151042 | PX 053705  | PX 150996   | PX 149521          | PX 045233       |
| "V" KNULED KITS |           | KIT PARTS  |             |                    |                 | "V" KNULED KITS |           | KIT PARTS  |             |                    |                 |
| WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE | WIRE SIZE       | KIT NO.   | DRIVE ROLL | INLET GUIDE | INTERMEDIATE GUIDE | ANTI-WEAR GUIDE |
| .035            | PX 151061 | PX 132958  | PX 150993   | PX 149518          | PX 045233       | .035            | PX 151052 | PX 132958  | PX 150993   | PX 149518          | PX 045233       |
| .045            | PX 151062 | PX 132957  | PX 150994   | PX 149519          | PX 045233       | .045            | PX 151053 | PX 132957  | PX 150994   | PX 149519          | PX 045233       |
| .052            | PX 151063 | PX 132956  | PX 150994   | PX 149519          | PX 045233       | .052            | PX 151054 | PX 132956  | PX 150994   | PX 149519          | PX 045233       |
| 1/16"           | PX 151064 | PX 132955  | PX 150995   | PX 149520          | PX 045233       | 1/16"           | PX 151055 | PX 132955  | PX 150995   | PX 149520          | PX 045233       |
| .068-.072       | PX 151065 | PX 132959  | PX 150995   | PX 149520          | PX 045233       | .068-.072       | PX 151056 | PX 132959  | PX 150995   | PX 149520          | PX 045233       |
| 5/64"           | PX 151066 | PX 132960  | PX 150995   | PX 149520          | PX 045233       | 5/64"           | PX 151057 | PX 132960  | PX 150995   | PX 149520          | PX 045233       |
| 3/32"           | PX 151067 | PX 132961  | PX 150996   | PX 149521          | PX 045233       | 3/32"           | PX 151058 | PX 132961  | PX 150996   | PX 149521          | PX 045233       |
| 7/64"           | PX 151068 | PX 132962  | PX 150996   | PX 149521          | PX 045233       | 7/64"           | PX 151059 | PX 132962  | PX 150996   | PX 149521          | PX 045233       |
| 1/8"            | PX 151069 | PX 132963  | PX 150997   | PX 149522          | PX 045233       | 1/8"            | PX 151060 | PX 132963  | PX 150997   | PX 149522          | PX 045233       |
| 5/32"           |           | PX 193700  |             |                    |                 | 5/32"           |           | PX 193700  |             |                    |                 |

Same size drive rolls can be cross matched to meet specific needs: e.g. "U" Groove with "V" Knurled. (Note: Cross matching is not available as kits. Standard kits or individual kit pieces must be ordered for cross matching.)

"V" Groove Used for hard wires.

"U" Groove Used for soft-shelled cored wires and are recommended for feeding aluminum wires.

"V" KnurledUsed for hard-shelled cored wires.

**FOUR ROLL KITS FOR THE FOLLOWING  
MILLER® 64 & 74 SERIES FEEDERS:**

S64, S64D, S64M, S64M, SS64M, SS12, SS16, SS12D, SS16D,  
S74S, S74D, S74DX, SS74D12, SS74D16 requires **one** kit.

D60M, DS60M, D64, D64D, Swing Arc DS12, DS16, DS16D, D74S,  
D74D, D74DX, DS74D-12, DS74D-16 are dual feeders and requires **two** kits.



Optional anti-wear guide  
PN: 221030



**KITS CONTAIN FOUR DRIVE ROLLS, ONE INLET GUIDE, ONE  
INTERMEDIATE GUIDE AND ONE ANTI-WEAR GUIDE.**

Same size drive rolls can be cross matched to meet specific needs: e.g. "U" Groove with "V" Knurled. (Note: Cross matching is not available as kits. Standard kits or individual pieces must be ordered for cross matching.)

"V" Groove Used for hard wires.

"U" Groove Used for soft-shelled cored wires and recommended for aluminum wires.

"V" KnurledUsed for hard-shelled cored wires.



Replacement Parts Suitable For:

**Miller Electric Mfg. Co.® REMOTE CONTROLS****PROFAX**

Miller®



Special cord lengths are available upon request

## REMOTE HAND CONTROL

## MATCHING EXTENSION CORDS

| PROFAX NO.   | MILLER®          | LENGTH  | DESCRIPTION   | PROFAX NO.   | MILLER®                           | MHC-3 EXTENSION CORDS                  |
|--|------------------|---------|---|--------------|-----------------------------------|--|
| MHC-3  | RHC-3            | No Cord | 330, 340 & 360 ABP, DIALARC® HF, MK VIII®-2, SRH222, 333, 444, 555 & 666  | 9245         | -                                 | 25' extension cord                     |
| MHC-3-1  |                  | 1'      |   | 9246         | -                                 | 50' extension cord                     |
| MHC-3-25   | RHC-3-25         | 25'     |   | 9247         | -                                 | 75' extension cord                     |
| MHC-3-50   | RHC-3-50         | 50'     |   | 9248         | -                                 | 100' extension cord                    |
| MHC-3-100  | RHC-3-100        | 100'    |   | 9249         | -                                 | 150' extension cord                    |
| All machines that HAVE the 030653 or 222966 rheostat |                  |         |   | PROFAX NO.   |                                   |  |
| MHC-14   | RHC-14           | No Cord | DIMENSION® 302, NT450, 452, 652 & MK VI®, SYNCROWAVE® 200, 250DX, 350DX, 350LX, XMT® 304, 350, 456, Big 40C, BIG BLUE™ 400, 500, CST 280, DYNASTY 200, 350, 700, MAXSTAR® 200, 350, 700, PIPE PRO 304, PIPEWORX, PRO 300, SHOPMATE 300, 300DX, TRAILBLAZER 275DC, 302 | PX 122 972   | 122 972                           | 10' extension cord                     |
| MHC-14-1   |                  | 1'      |   | PX 122 973   | 242208025                         | 25' extension cord                     |
| MHC-14-25  | RHC-14-25        | 25'     |   | PX 122 974   | 242208050                         | 50' extension cord                     |
| MHC-14-50  | RHC-14-50        | 50'     |   | PX 122 975   | 122 975                           | 75' extension cord                     |
| MHC-14-100   | RHC-14-100       | 100'    |   | PX 242208080 | 242208080                         | 80' extension cord                     |
| All machines that HAVE the 14 pin receptacle         |                  |         |   | 9319         | -                                 | 100' extension cord                    |
| (Optional Extension Cords)                           |                  |         |   | PROFAX NO.   |                                   |  |
| MHCP-14-1  | (*Requires cord) |         |   | MHCP-14-C-25 | MHCP-14-C-25                      | 25' extension cord (MHCP-14-25 only)   |
| MHCP-14-25   | PRHC-14-25       | 25'     | MHCP models do NOT have contactor switch  | MHCP-14-C-50 | MHCP-14-C-50                      | 50' extension cord (MHCP-14-50 only)   |
| MHCP-14-50   | PRHC-14-50       | 50'     |   | MHCP-14-C-75 | MHCP-14-C-75                      | 75' extension cord (MHCP-14-75 only)   |
| MHCP-14-100  | PRHC-14-100      | 100'    |   | PROFAX NO.   |                                   |  |
| MHC-3GD34A   | RHC-3GD34A       | No Cord | BIG BLUE™ 250D, BIG BLUE™ 251D, BIG 40®, BIG 40® D, BIG BLUE™ 400D, BIG BLUE™ 400D AIR PAK™, BIG BLUE™ 400CC, BIG BLUE™ 500CC   | 7222         | Potentiometer nut for MHCP        |  |
| MHC-3GD34A-25  | RHC-3GD34A-25    | 25'     |   | 9327         | Tension nut for MHC-14            |  |
| MHC-3GD34A-50  | RHC-3GD34A-50    | 50'     |   | 9813         | Potentiometer for MHC-14 and MHCP |  |
| MHC-3GD34A-100                                       | RHC-3GD34A-100   | 100'    |   | 9814         | Knob for MHC-14                   |  |
| All engine drives NOT having the 14 pin receptacle   |                  |         |   | LHC-K        | 019602                            | Rheostat knob for MHC-3GD34A           |
|  |                  |         |   | MHC-K        | 019627                            | Rheostat knob for MHC-3/MHCP           |
|  |                  |         |   | PX 032898    | 032898                            | 3 prong twist lock plug for MHC-3GD34A |
|  |                  |         |   | PX 136961    | 136961                            | 14 pin plug for MHC-14                 |
|  |                  |         |   | PX 605797    | 605797                            | 3 prong twist lock plug for MHC-3      |

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References to MILLER ELECTRIC MFG. CO. machines, torches, and numbers are for your convenience only. We reserve the right to substitute genuine MILLER ELECTRIC MFG. CO. parts in place



Replacement Parts Suitable For:

**MILLER ELECTRIC MFG. CO.® REMOTE CONTROLS****PROFAX****REMOTE FINGERTIP CONTROL**

Operates contactor and controls output.

| PROFAX NO. | MILLER® | DESCRIPTION  |
|------------|---------|--|
| MFTC-14    | RCC-14  | Fingertip control with 27' cord and 14 pin plug compatible with Tig machines effective with JK674521   |
| MFTC-14-52 |         | Fingertip control with 52' cord and 14 pin plug compatible with Tig machines effective with JK674521   |
| MFTC-5     | RCC-5   | Fingertip control with 27' cord and 5 pin plug compatible with Tig machines prior to JK674521  |
| MFTC-5-52  |         | Fingertip control with 52' cord and 5 pin plug compatible with Tig machines prior to JK674521<br>(special cord lengths available up to 100') |

**MFTC EXTENSION CORDS**

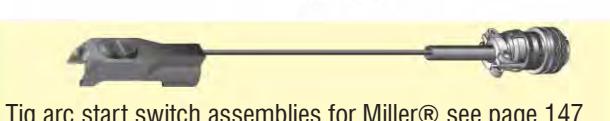
| PROFAX | DESCRIPTION    |
|--------|----------------|
| 9688   | 25' extension  |
| 9689   | 50' extension  |
| 9690   | 75' extension  |
| 9691   | 100' extension |

**PARTS LIST FOR MFC-14**

| NO. | P/N  | DESCRIPTION         | MFC-14 | NO. | P/N    | DESCRIPTION               | MFC-14 |
|-----|------|---------------------|--------|-----|--------|---------------------------|--------|
| 1   | 9340 | Pinion gear         | 1      | 17  | 9356   | Inner plate               | 1      |
| 2   | 9341 | Rubber base pad     | 3      | 18  | 9357   | Pivot rod assembly        | 1      |
| 3   | 9342 | #8-10 x 1.250 Screw | 2      | 19  | 9358   | Potentiometer bracket     | 1      |
| 4   | 9343 | Micro switch        | 1      | 21  | 9359   | Nameplate MFC-14          | 1      |
| 5   | 9344 | #8-32 x .281 Screw  | 1      | 23  | 9361   | Spring                    | 1      |
| 6   | 9345 | #6-32 x .1875 Screw | 1      | 24  | 9362   | Base                      | 1      |
| 7   | 9346 | Nylon bearing       | 1      | 25  | 9363   | Spur gear leaver          | 1      |
| 8   | 9347 | #4-40 x .500 Screw  | 2      | 27  | 9364   | 25' cord with 14 pin plug | 1      |
| 9   | 9348 | Rubber bumper pad   | 1      | 29  | 9366   | #8-32 x .375 Screw        | 2      |
| 10  | 9349 | Rubber foot pad     | 1      | 30  | 9367   | Warning label             | 1      |
| 11  | 9350 | Mount bracket       | 1      | 31  | 9369   | Potentiometer 1K,1T,2W    | 1      |
| 12  | 9351 | Spacer nut          | 1      | 33  | 9370   | Warning label             | 1      |
| 13  | 9352 | Cable clamp         | 1      | 35  | 136961 | Miller® 14 pin plug only  | 1      |
| 14  | 9353 | Top cover           | 1      | 37  | 9371   | Capacitor 4700VF, 3KV     | 2      |
| 15  | 9354 | #8-32 x .250 Screw  | 2      | 38  | 9372   | 1-3/4 Heat shrink tubing  | 1      |
| 16  | 9355 | Insulation          | 1      |     |        |                           |        |

**REMOTE FOOT CONTROL****ALL METAL CONSTRUCTION**

Operates contactor and controls output.

**Miller®**

Tig arc start switch assemblies for Miller® see page 147

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Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

Miller®

## INTERCONNECTING CORDS

Feeder  
Terminal  
Strip

An interconnecting cord connects one type of equipment to another. The connectors will not mate to each other.



Power  
Source  
(14 socket)

| PROFAX | MILLER® | DESCRIPTION              | APPLICATION  |
|--------|---------|--------------------------|--|
| 9450   | -       | 10' 14 pin to Terminals  |  |
| 9451   | -       | 25' 14 pin to Terminals  |  |
| 9452   | -       | 50' 14 pin to Terminals  | (6 Wire)Hardwires into and is for the <b>S22 series</b> , 24VAC wire feeders to Miller power sources w/ <b>14 socket</b> receptacle. |
| 9453   | -       | 75' 14 pin to Terminals  |  |
| 9454   | -       | 100' 14 pin to Terminals |  |

Feeder  
(4 pin)



Power  
Source  
(14 socket)

| PROFAX    | MILLER® | DESCRIPTION             | APPLICATION  |
|-----------|---------|-------------------------|--|
| PX110 436 | 110 436 | 10' 14 pin to 4 socket  |  |
| PX110 438 | 110 438 | 25' 14 pin to 4 socket  |  |
| 9462      | 110 435 | 50' 14 pin to 4 socket  | (4 Wire) Interconnects <b>50 series</b> wire feeders to Miller power sources w/ <b>14 socket</b> receptacle. |
| 9463      | -       | 75' 14 pin to 4 socket  |  |
| 9464      | -       | 100' 14 pin to 4 socket |  |

Feeder  
(4 pin)



Power  
Source

| PROFAX | MILLER® | DESCRIPTION              | APPLICATION  |
|--------|---------|--------------------------|--|
| 9465   | -       | 10' Hubbell to 4 socket  |  |
| 9466   | -       | 25' Hubbell to 4 socket  |  |
| 9467   | -       | 50' Hubbell to 4 socket  | (4 Wire)Interconnects <b>50 series</b> wire feeders to the older Miller power sources with Hubbell <b>twistlock style</b> receptacles. |
| 9468   | -       | 75' Hubbell to 4 socket  |  |
| 9469   | -       | 100' Hubbell to 4 socket |  |

Feeder



Power  
Source  
(14 socket)

| PROFAX | MILLER® | DESCRIPTION            | APPLICATION  |
|--------|---------|------------------------|--|
| 9470   | -       | 10' 14 pin to Hubbell  |  |
| 9471   | -       | 25' 14 pin to Hubbell  |  |
| 9472   | -       | 50' 14 pin to Hubbell  | (4 Wire)Interconnects the <b>10A, 30A &amp; 30B</b> wire feeders to Miller power sources with the <b>14 socket</b> receptacle. |
| 9473   | -       | 75' 14 pin to Hubbell  |  |
| 9474   | -       | 100' 14 pin to Hubbell |  |

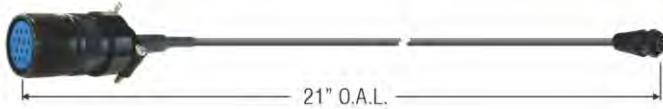
Feeder



Power  
Source

| PROFAX | MILLER® | DESCRIPTION             | APPLICATION  |
|--------|---------|-------------------------|--|
| 9536   | -       | 10' Hubbell to Hubbell  |  |
| 9537   | -       | 25' Hubbell to Hubbell  |  |
| 9538   | -       | 50' Hubbell to Hubbell  | (4 Wire)Interconnects the <b>10A, 30A &amp; 30B</b> wire feeders to Miller power sources w/the Hubbell <b>twistlock style</b> receptacles. |
| 9539   | -       | 75' Hubbell to Hubbell  |  |
| 9540   | -       | 100' Hubbell to Hubbell |  |

## ADAPTER CORDS



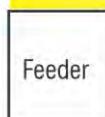
| PROFAX NO. | MILLER® | DESCRIPTION                                   | APPLICATION |
|------------|---------|---|-------------|
| PX 300 507 | 300 507 | Adapter, 6P plug to 14S<br>recept maxstar 150 |             |



Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**PROFAX**

## INTERCONNECTING CORDS for MILLER® R-115 WIRE FEEDER



Power  
Source  
(14 socket)

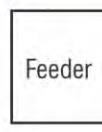
An interconnecting cord connects one type of equipment to another. The connectors will not mate to each other.

| PROFAX     | MILLER® | DESCRIPTION               | APPLICATION   |
|------------|---------|---------------------------|---|
| PX194842   | 194842  | 10' 14 pin to bare wires  |   |
| PX9735-25  | -       | 25' 14 pin to bare wires  |   |
| PX9735-50  | -       | 50' 14 pin to bare wires  | (4 wire) Interconnects R-115 wire feeder to Miller® power sources w/14 socket receptacles.  |
| PX9735-75  | -       | 75' 14 pin to bare wires  |   |
| PX9735-100 | -       | 100' 14 pin to bare wires |   |
| PX193384   | 193384  | 10' 14 pin to bare wires  |   |
| PX9577-25  | -       | 25' 14 pin to bare wires  |   |
| PX9577-50  | -       | 50' 14 pin to bare wires  | (5 wire) Interconnects R-115 wire feeder to Lincoln® power sources w/14 socket receptacles. |
| PX9577-75  | -       | 75' 14 pin to bare wires  |   |
| PX9577-100 | -       | 100' 14 pin to bare wires |   |



Power  
Source

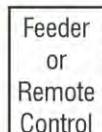
| PROFAX     | MILLER® | DESCRIPTION                | APPLICATION   |
|------------|---------|----------------------------|---|
| PX193387   | 193387  | 10' Hubbell to bare wires  |   |
| PX9733-25  | -       | 25' Hubbell to bare wires  |   |
| PX9733-50  | -       | 50' Hubbell to bare wires  | (4 wire) Interconnects R-115 wire feeder to older Miller® power sources w/Hubbell <b>twistlock style</b> receptacles. |
| PX9733-75  | -       | 75' Hubbell to bare wires  |   |
| PX9733-100 | -       | 100' Hubbell to bare wires |   |



Power  
Source

| PROFAX     | MILLER® | DESCRIPTION                  | APPLICATION   |
|------------|---------|------------------------------|---|
| PX193385   | 193385  | 10' terminals to bare wires  |   |
| PX9578-25  | -       | 25' terminals to bare wires  |   |
| PX9578-50  | -       | 50' terminals to bare wires  | (5 wire) Interconnects R-115 wire feeder to Lincoln® power sources w/terminal strips. |
| PX9578-75  | -       | 75' terminals to bare wires  |   |
| PX9578-100 | -       | 100' terminals to bare wires |   |

## EXTENSION CORDS



Power  
Source

An extension cord extends the distance between equipment, allowing the equipment to be used at a further distance from the power source. The connectors will mate to each other.

| PROFAX      | MILLER®   | DESCRIPTION              | APPLICATION   |
|-------------|-----------|--------------------------|---|
| PX122 972   | 242208010 | 10' 14 pin to 14 socket  | (8 Wire) Uses pins A B C D E F G H  |
| PX122 973   | 242208025 | 25' 14 pin to 14 socket  |   |
| PX122 974   | 242208050 | 50' 14 pin to 14 socket  | Used with <b>24VAC</b> powered wire feeders - <b>22 &amp; 24 series, 62 &amp; 64 series</b>               |
| PX122 975   | 242208075 | 75' 14 pin to 14 socket  | and <b>74 series</b> . ( <b>non MPa</b> )   |
| PX242208080 | 242208080 | 80' 14 pin to 14 socket  |   |
| 9319        | 242208100 | 100' 14 pin to 14 socket |   |
| PX128 467   | 247831010 | 10' 14 pin to 14 socket  | (12 Wire) Uses pins A B C D E F G H I J K N   |
| PX128 468   | 247831025 | 25' 14 pin to 14 socket  |   |
| PX128 469   | 247831050 | 50' 14 pin to 14 socket  | Used with <b>24VAC &amp; 115VAC</b> powered wire feeders, automatic 1 & 2, HD1500, 52 & 54 series, R-115. |
| PX128 470   | 128 470   | 75' 14 pin to 14 socket  |   |
| PX247831080 | 247831080 | 80' 14 pin to 14 socket  |   |
| 9324        | 247831100 | 100' 14 pin to 14 socket |   |
| 9774-10     | 242205010 | 10' 14 pin to 14 socket  | (14 Wire) Uses pins A B C D E F G H I J K L M N   |
| 9774-25     | 242205025 | 25' 14 pin to 14 socket  |   |
| 9774-50     | 242205050 | 50' 14 pin to 14 socket  | Used with <b>24VAC &amp; 115VAC</b> powered wire feeders. Can be used with all Miller® wire feed systems  |
| 9774-75     | 043727    | 75' 14 pin to 14 socket  | <b>ONLY REQUIRED WHEN PINS L &amp; M ARE NEEDED</b>   |
| 9774-80     | 242205080 | 80' 14 pin to 14 socket  |   |
| 9774-100    | 242205100 | 100' 14 pin to 14 socket |   |



#### **Replacement Parts Suitable For:**

# **Miller Electric Mfg. Co.®**

## **ADAPTER CORDS**

**PROFESSIONAL**

**Miller®**

The diagram illustrates the connection between a Feeder and a Power Source (14 socket). On the left, a 'Feeder' is shown as a black rectangular box with a horizontal line extending from its center. This line connects to a circular electrical component with two terminals, which is labeled 'Feeder'. On the right, a 'Power Source (14 socket)' is shown as a black rectangular box with a horizontal line extending from its center. This line connects to a larger circular electrical component with multiple terminals, including a central ground terminal and several power terminals. A label '12" O.A.' indicates the distance between the two main connection points.

An adapter cord connects equipment or cords that do not have direct connection to each other. The connectors will not mate to each other.

| PROFAX    | MILLER® | DESCRIPTION       | APPLICATION   |
|-----------|---------|-------------------|---|
| PX041 948 | 041 948 | 14 pin to Hubbell | Used to change from the 14 socket receptacle on CV and CC/CV welding power sources to Hubbell style Twistlock connectors used by the older 10, 30 and early 50 series wire feeders. The two Hubbell twistlock style free hanging connectors provide contactor control and 115VAC wire feed power. |



| PROFAX    | MILLER® | DESCRIPTION          | APPLICATION   |
|-----------|---------|----------------------|---|
| PX123 161 | 123 161 | Hubbell to 14 socket | Used to change the older style CV and CC/CV welding power sources with the Hubbell style contactor and power receptacles to the newer 14 socket receptacle. The 14 socket free hanging receptacle provides contactor control and 115VAC power for wire feeders. (For 115VAC powered wire feeders only such as the 10 and 30 series and later 50 series) |



| PROFAX    | MILLER® | DESCRIPTION        | APPLICATION  |
|-----------|---------|--------------------|--|
| PX041 947 | 041 947 | 14 pin to 5 socket | Used to change from the 14 socket receptacle on welding power sources to the older style 5 socket remote receptacle. The free hanging 5 socket receptacle allows connection of remote controls w/5 pin amphenol plug such as the RHC-23, RFC-23, RFCS-23 & FTC-23. |



| PROFAX    | MILLER® | DESCRIPTION        | APPLICATION  |
|-----------|---------|--------------------|--|
| PX129 341 | 129 341 | 5 pin to 14 socket | Used to change from the 5 socket receptacle on the older CC and CC/CV welding power sources to the newer 14 socket. The 14 socket free hanging receptacle allows connection of the newer remote controls such as the RHC-14, RFCS-14 and RCC-14. |



| PROFAX | MILLER® | DESCRIPTION         | APPLICATION  |
|--------|---------|---------------------|--|
| 9242   | -       | 10 pin to 14 socket | Used to change from Miller's 10 socket receptacle to the 14 socket free hanging receptacle. Allows connection of the old Miller Spoolmatic 3 and new PROFAX AEC 200-4DM to the Millermatic 250X and Module 3 (042 957) or Module 4 (042958) on the Millermatic 250 or Vintage. |

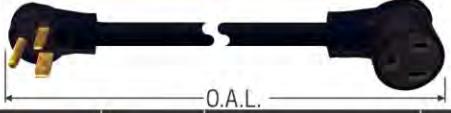


| PROFAX | MILLER® | DESCRIPTION         | APPLICATION  |
|--------|---------|---------------------|--|
| 9243   | -       | 14 pin to 10 socket | Used to change from Miller's 14 socket receptacle to Miller's 10 socket free hanging receptacle. Allows the PROFAX AEC 200-4DMX <b>only</b> to connect to any Miller CV machine with 14 socket receptacle. <b>NOT FOR USE with the Spoolmatic 30A.</b> |



| <b>PROFAX</b> | <b>MILLER®</b> | <b>DESCRIPTION</b>                           | <b>APPLICATION</b>   |
|---------------|----------------|--|--|
| PX301 259     | 301 259        | 115VAC & 14 pin plug to 14 socket receptacle | Adapter cord, 115VAC to legacy 14 pin accessories. Used to connect 115VAC wire feeders to newer Miller® machines without 115VAC available in 14 socket receptacle. |

## **PRIMARY POWER ADAPTER CORD & EXTENSION CORDS**



## **PRIMARY POWER EXTENSION CORDS**

| PROFAX NO. | MILLER® | DESCRIPTION   | APPLICATION  | O.A.L.   |
|------------|---------|---|--|--|
| PROFAX NO. | MILLER® | DESCRIPTION   | APPLICATION  | O.A.L.   |
| PX 300 517 | 300 517 | 250V/40A<br>NEMA 14-50P to NEMA<br>6-50R Adaptor Cord | Full KVA adapter cord for<br>receptacle on engine<br>driven welders. | PX 250V-25<br>PX 250V-50                           |
|            |         |   |  | 25' NEMA 6-50 Ext. Cord<br>50' NEMA 6-50 Ext. Cord |



Replacement Parts Suitable For:

**Miller Electric Mfg. Co.®****PLUGS AND CONNECTORS****PROFAX****PLUGS with Pins**

Amp (A)



Amphenol (B)

AMP and Amphenol plugs have an internally threaded collar which spins freely around the end of the plug. The internal threads of the collar mate with the external threads of a receptacle. To mate, the plug must have pins or sockets opposite of the same size mating receptacle.

| PROFAX   | MILLER® | DESCRIPTION                                    | ITEM |
|----------|---------|--|------|
| PX039273 | 039273  | 5 Pin plug                                     | B    |
| PX073329 | 073329  | 4 Pin plug (Spoolmatic I)                      | B    |
| PX079878 | 079878  | 4 Pin trigger plug (AMP/Mates to 080328)       | A    |
| PX111122 | 111122  | Use PX136961                                   | B    |
| PX136961 | 136961  | 14 Pin plug (Metal)                            | B    |
| PX141162 | 141162  | 14 Pin plug (Plastic/Mates to 152369 & 143976) | B    |
| PX146212 | 146212  | 10 Pin plug                                    | B    |
| PX217796 | 217796  | 6 Pin plug (Maxstar 150)                       | B    |

**RECEPTACLES with Sockets**

(C)



(D)



(E) Amphenol



(F)

Miller® &  
Thermal Arc®**PLUGS with Sockets**

Amp (G)



Amphenol (H)

AMP and Amphenol receptacles have external threads. The external threads mate to the internal threads of the free spinning collar of the plug. To mate, the receptacle must have pins or sockets opposite of the same size mating plug.

| PROFAX   | MILLER® | DESCRIPTION                       | ITEM |
|----------|---------|-----------------------------------|------|
| PX048284 | 048284  | 4 Skt. plug (AMP/Mates to 046958) | G    |
| PX111123 | 111123  | Use 152370                        | H    |
| PX152370 | 152370  | 14 Skt. plug (Metal)              | H    |

**RECEPTACLES with Pins**

(J)



(K)



(L) Amphenol



(M)

**TWISTLOCK PLUG**

Replacement Parts Suitable For:

**Thermal Arc®****HEFTY®****"V" KNULED KITS**

| WIRE SIZE   | KIT NO.    | INLET GUIDE | OUTLET GUIDE |
|-------------|------------|-------------|--------------|
| .035 - .045 | 376246-002 | 377941      | 375655       |
| .052        | 376246-005 | 377943      | 375704       |

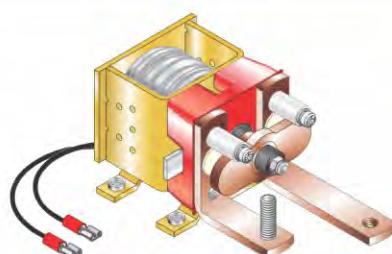
**"V" KNULED KITS**

| WIRE SIZE      | KIT NO.    | DRIVE ROLL | INLET GUIDE | OUTLET GUIDE |
|----------------|------------|------------|-------------|--------------|
| .045           | 171435-016 | 170924-010 | 377941      | 375655       |
| .052-1/16-.068 | 171435-011 | 170924-001 | 377943      | 375704       |
| .045           | 375980-092 | 170924-010 | 377941      | 375655       |
| .052-1/16-.068 | 375980-017 | 170924-001 | 377943      | 375704       |

**CONTACTOR**

6431 New Style 870202 and 870133

| PROFAX NO. | THERMAL® | DESCRIPTION |
|------------|----------|-------------|
| 6431       | 870202   | Contactor   |
|            | 870133   |             |



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Replacement Parts Suitable For:  
**Tregaskiss®**

**PROFAX**

Tregaskiss®

| PROFAX NO.   | TREGASKISS® | WIRE SIZE                  | TIP I.D. | PROFAX NO.                 | TREGASKISS® | WIRE SIZE                  | TIP I.D. |
|--------------|-------------|----------------------------|----------|----------------------------|-------------|----------------------------|----------|
| PX 403-23    | 403-23      | .023                       | .031     | PX 403-2-23                | 403-2-23    | .023                       | .031     |
| PX 403-30    | 403-30      | .030                       | .038     | PX 403-2-30                | 403-2-30    | .030                       | .038     |
| PX 403-35    | 403-35      | .035                       | .044     | PX 403-2-35                | 403-2-35    | .035                       | .044     |
| PX 403-45    | 403-45      | .045                       | .054     | PX 403-2-45                | 403-2-45    | .045                       | .054     |
| PX 403-52    | 403-52      | .052                       | .064     | PX 403-2-52                | 403-2-52    | .052                       | .064     |
| PX 403-116   | 403-116     | 1/16"                      | .078     | PX 403-2-116               | 403-2-116   | 1/16"                      | .078     |
|              |             |                            |          |                            |             |                            |          |
|              |             |                            |          | (Used with T30 & T40)      |             |                            |          |
| PX 403-1-30  | 403-1-30    | .030                       | .038     | PX 403-3-30                | 403-3-30    | .030                       | .040     |
| PX 403-1-35  | 403-1-35    | .035                       | .044     | PX 403-3-35                | 403-3-35    | .035                       | .044     |
| PX 403-1-40  | 403-1-40    | .040                       | .049     | PX 403-3-40                | 403-3-40    | .040                       | .049     |
| PX 403-1-45  | 403-1-45    | .045                       | .054     | PX 403-3-45                | 403-3-45    | .045                       | .054     |
| PX 403-1-364 | 403-1-364   | 3/64"                      | .063     | PX 403-3-52                | 403-3-52    | .052                       | .063     |
| PX 403-1-52  | 403-1-52    | .052                       | .063     | PX 403-3-116               | 403-3-116   | 1/16"                      | .078     |
| PX 403-1-116 | 403-1-116   | 1/16"                      | .078     |                            |             |                            |          |
| PX 403-1-564 | 403-1-564   | 5/64"                      | .093     |                            |             |                            |          |
|              |             |                            |          |                            |             |                            |          |
|              |             |                            |          | (Used with T30, T40 & T50) |             |                            |          |
| PROFAX NO.   | TREGASKISS® | DESCRIPTION                |          | PROFAX NO.                 | TREGASKISS® | DESCRIPTION                |          |
| PX 401-4-38  | 401-4-38    | Std. Nozzle 3/8"           |          | PX 401-5-75                | 401-5-75    | H.D. Nozzle 3/4"           |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T40 & T50)      |          |
| PX 401-4-50  | 401-4-50    | Std. Nozzle 1/2"           |          | PX 401-6-50                | 401-6-50    | H.D. Nozzle 1/2"           |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T40 & T50)      |          |
| PX 401-4-62  | 401-4-62    | Std. Nozzle 5/8"           |          | PX 401-6-62                | 401-6-62    | H.D. Nozzle 5/8"           |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T40 & T50)      |          |
| PX 401-4-75  | 401-4-75    | Std. Nozzle 3/4"           |          | PX 401-6-75                | 401-6-75    | H.D. Nozzle 3/4"           |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T40 & T50)      |          |
| PX 401-40-38 | 401-40-38   | Nozzle 3/8"                |          | PX 401-7-62                | 401-7-62    | H.D. Nozzle 5/8" (brass)   |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T40 & T50)      |          |
| PX 401-42-50 | 401-42-50   | Nozzle 1/2"                |          | PX 402-11                  | 402-11      | H.D. Shock washer          |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T30, T40 & T50) |          |                            |             | (Used with T30, T40 & T50) |          |
| PX 401-5-62  | 401-5-62    | H.D. Nozzle 5/8"           |          | PX 404                     | 404         | Standard gas diffuser      |          |
|              |             |                            |          |                            |             |                            |          |
|              |             | (Used with T40 & T50)      |          |                            |             | (Used with T30, T40 & T50) |          |
|              |             |                            |          | PX 404-1                   | 404-1       | Heavy duty gas diffuser    |          |
|              |             |                            |          |                            |             |                            |          |
|              |             |                            |          |                            |             | (Used with T30, T40 & T50) |          |

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Replacement Parts Suitable For:  
**Tregaskiss®**

**PROFESSIONAL**



| PROFAX NO.   | NEW TREGASKISS® | OLD TREGASKISS® | DESCRIPTION   | I.D. | O.D. |
|--------------|-----------------|-----------------|---|------|------|
| PX L3A-15    | L3A-15          | 415-35-15       | 15' Wire conduit assembly — used with .035-.045 diameter wire                 | .072 | .180 |
| PX L4A-15    | L4A-15          | 415-116-15      | 15' Wire conduit assembly — used with .045-.062 diameter wire                 | .078 | .187 |
| PX 415-116-2 |                 | 415-116-2       | 15' nylon liner used with .045-1/16" diameter wire (Used with T30, T40 & T50) | .090 | .190 |
| PX L6A-15    | L6A-15          | 415-564-15      | 15' Wire conduit assembly — used with 5/64" diameter wire                     | .105 | .215 |
| PX L3A-25    | L3A-25          | 415-35-25       | 25' Wire conduit assembly — used with .035-.045 diameter wire                 | .072 | .180 |
| PX L4A-25    | L4A-25          | 415-116-25      | 25' Wire conduit assembly — used with .045-.062 diameter wire                 | .078 | .187 |
| PX L6A-25    | L6A-25          | 415-564-25      | 25' Wire conduit assembly — used with 5/64" diameter wire                     | .105 | .215 |

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Replacement Parts Suitable For:  
**Tweco Products, Inc.**®

**PROFESSIONAL**

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Replacement Parts Suitable For:  
**Tweco Products, Inc.®**

**PROFAX**

| PROFAX NO. | TWECO® | DESCRIPTION         | PROFAX NO.  | TWECO®   | DESCRIPTION      |
|------------|--------|---------------------|-------------|----------|------------------|
| PX 21-37   | 21-37  | Nozzle 3/8"         | PX 22-37    | 22-37    | Nozzle 3/8"      |
|            |        |                     |             |          |                  |
| PX 21-50   | 21-50  | Nozzle 1/2"         | PX 22-50    | 22-50    | Nozzle 1/2"      |
|            |        |                     |             |          |                  |
| PX 21-62   | 21-62  | Nozzle 5/8"         | PX 22-62    | 22-62    | Nozzle 5/8"      |
|            |        |                     |             |          |                  |
| PX 21-37F  | 21-37F | Nozzle 3/8"         | PX 22-62FAS | 22-62FAS | Spot Nozzle 5/8" |
|            |        |                     |             |          |                  |
| PX 21-50F  | 21-50F | Nozzle 1/2"         | PX 22-37SS  | 22-37SS  | Nozzle 3/8"      |
|            |        |                     |             |          |                  |
| PX 21-62F  | 21-62F | Nozzle 5/8"         | PX 22-50SS  | 22-50SS  | Nozzle 1/2"      |
|            |        |                     |             |          |                  |
| PX 21T37   | 21T37  | Tapered nozzle 3/8" | PX 22-62SS  | 22-62SS  | Nozzle 5/8"      |
|            |        |                     |             |          |                  |

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**Tweco®**



Replacement Parts Suitable For:  
**Tweco Products, Inc.**®

**PROFAX**

| PROFAX NO. | TWECO®  | DESCRIPTION  | PROFAX NO.  | TWECO®   | DESCRIPTION   |
|------------|---------|--|-------------|----------|---|
| PX 22T37SS | 22T37SS | Tapered nozzle 3/8"<br><br>(Use on #2 gun, short stop, used with 32 insulator and 52 gas diffuser) | PX 23-62F   | 23-62F   | 9/16 - 18 Thd.<br>Nozzle 5/8"   |
| PX 23-37   | 23-37   | Nozzle 3/8"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                     | PX 23-75F   | 23-75F   | 9/16 - 18 Thd.<br>Nozzle 3/4"   |
| PX 23-50   | 23-50   | Nozzle 1/2"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                     | PX 23H50    | 23H50    | 9/16 - 18 Thd.<br>Heavy duty nozzle 1/2"  |
| PX 23-62   | 23-62   | Nozzle 5/8"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                     | PX 23H62    | 23H62    | 9/16 - 18 Thd.<br>Heavy duty nozzle 5/8"  |
| PX 23-75   | 23-75   | Nozzle 3/4"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                     | PX 23H75    | 23H75    | 9/16 - 18 Thd.<br>Heavy duty nozzle 3/4"  |
| PX 23-37F  | 23-37F  | Nozzle 3/8"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                     | PX 23T37    | 23T37    | 9/16 - 18 Thd.<br>Tapered nozzle 3/8"   |
| PX 23-50F  | 23-50F  | Nozzle 1/2" 1/2"<br><br>(Self insulated nozzles, use on #3 & 4 gun)                                | PX 23-62FAS | 23-62FAS | 9/16 - 18 Thd.<br>Spot welding nozzle 5/8"  |
|            |         |  | PX 24A50    | 24A50    | 9/16 - 18 Thd.<br>Nozzle 1/2"<br><br>(Use on #3 & 4 gun - adjustable, used with 34A nozzle insulator) |
|            |         |  | PX 24A62    | 24A62    | 9/16 - 18 Thd.<br>Nozzle 5/8"<br><br>(Use on #3 & 4 gun - adjustable, used with 34A nozzle insulator) |

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Replacement Parts Suitable For:  
**Tweco Products, Inc.®**

**PROFAX**

| PROFAX NO. | TWECO®  | DESCRIPTION            | PROFAX NO.  | TWECO®   | DESCRIPTION         |
|------------|---------|------------------------|-------------|----------|---------------------|
| PX 24A75   | 24A75   | Nozzle 3/4"            | PX 24AT37SS | 24AT37SS | Tapered nozzle 3/8" |
| PX 24A50SS | 24A50SS | Nozzle 1/2"            | PX 24CT37S  | 24CT37S  | Nozzle 3/8"         |
| PX 24A62SS | 24A62SS | Nozzle 5/8"            | PX 24CT50S  | 24CT50S  | Nozzle 1/2"         |
| PX 24A75SS | 24A75SS | Nozzle 3/4"            | PX 24CT62S  | 24CT62S  | Nozzle 5/8"         |
| PX 24AH50  | 24AH50  | Heavy duty nozzle 1/2" | PX 24CT75S  | 24CT75S  | Nozzle 3/4"         |
| PX 24AH62  | 24AH62  | Heavy duty nozzle 5/8" | PX 24CT50F  | 24CT50F  | Nozzle 1/2"         |
| PX 24AH75  | 24AH75  | Heavy duty nozzle 3/4" | PX 24CT62F  | 24CT62F  | Nozzle 5/8"         |
|            |         |                        | PX 24CT75F  | 24CT75F  | Nozzle 3/4"         |

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Replacement Parts Suitable For:  
**Tweco Products, Inc.®**

**PROFAX**

**Tweco®**

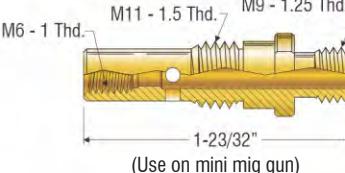
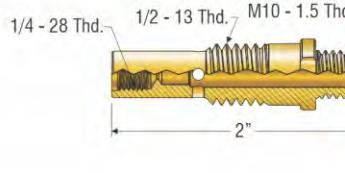
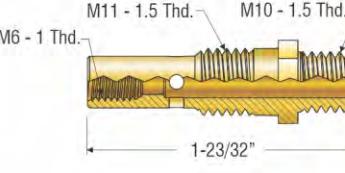
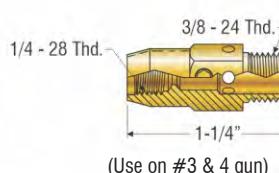
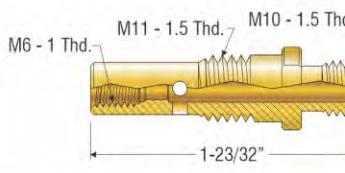
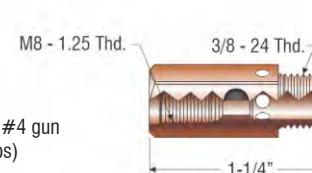
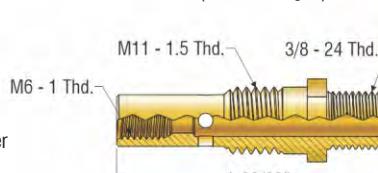
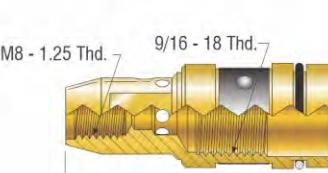
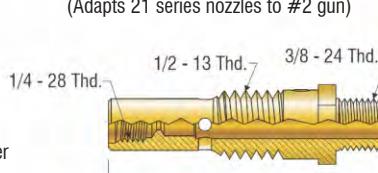
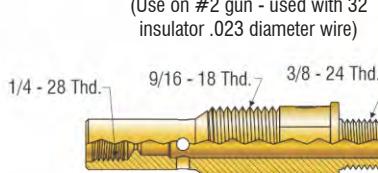
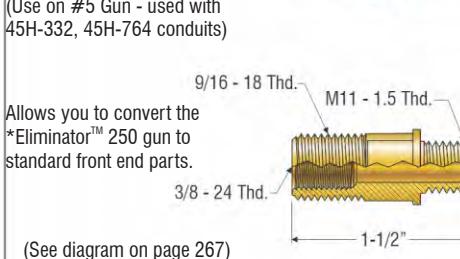
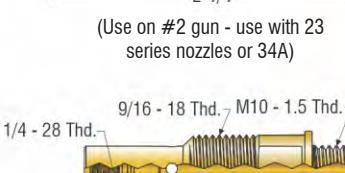
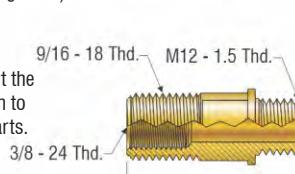
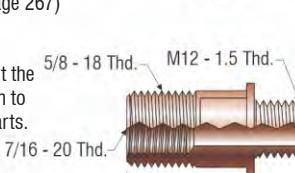
| PROFAX NO.  | TWECO®   | DESCRIPTION   | PROFAX NO. | TWECO® | DESCRIPTION |
|-------------|----------|---|------------|--------|-------------|
| PX HD24L-50 | HD24L-50 | Nozzle 1/2"<br>(Use on Spray Master™ 450 amp mig gun - Used with HD54-16 diffuser)              | PX 32      |        | Insulator   |
| PX HD24L-62 | HD24L-62 | Nozzle 5/8"<br>(Use on Spray Master™ 450 amp mig gun - Used with HD54-16 diffuser)              | PX 34A     |        | Insulator   |
| PX HD24L-75 | HD24L-75 | Nozzle 3/4"<br>(Use on Spray Master™ 450 amp mig gun - Used with HD54-16 diffuser)              | PX 34CT    |        | Insulator   |
| PX 25CT-50  | 25CT-50  | Nozzle 1/2"<br>(Use on #5 gun - coarse thread - fixed nozzle - used with 35CT nozzle insulator) | PX 34CT    |        | Insulator   |
| PX 25CT-62  | 25CT-62  | Nozzle 5/8"<br>(Use on #5 gun - coarse thread - fixed nozzle - used with 35CT nozzle insulator) | PX 34CT-HT |        | Insulator   |
| PX 25CT-75  | 25CT-75  | Nozzle 3/4"<br>(Use on #5 gun - coarse thread - fixed nozzle - used with 35CT nozzle insulator) | PX 35CT    |        | Insulator   |
| PX 25I-62   | 25I-62   | Nozzle 5/8"<br>(Use on #5 gun)  | PX 35CT-HT |        | Insulator   |
| PX 25I-75   | 25I-75   | Nozzle 3/4"<br>(Use on #5 gun)  |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |
|             |          |   |            |        |             |

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Replacement Parts Suitable For:  
**Tweco Products, Inc.®**

**PROFAX**

| PROFAX NO.   | TWECO®    | DESCRIPTION   | PROFAX NO.       | TWECO®     | DESCRIPTION  |
|--------------|-----------|---|------------------|------------|--|
| PX 35-50     | 35-50     | Gas diffuser<br>   | PX 52M10         | 52M10      | Gas diffuser<br>  |
| PX 51        | 51        | Gas diffuser<br>   | PX 54A<br>PX 54C | 54A<br>54P | Gas diffuser<br>Gas diffuser (Copper)<br>   |
| PX 51-23     | 51-23     | Gas diffuser<br>   | PX 54A16         | 54A16      | Gas diffuser<br>(Use on #3 and #4 gun for 16S series tips)<br>                    |
| PX 51-3/8-24 | 51-3/8-24 | Gas diffuser<br>  | PX HD54-16       | HD54-16    | Gas Diffuser<br>   |
| PX 52        | 52        | Gas diffuser<br> | PX 55            | 55         | Gas diffuser<br>(Use on #5 gun - used with 45N-116, 45-564 conduits)   |
| PX 52-23     | 52-23     | Gas diffuser<br> | PX 55SW          | 55SW       | Gas Diffuser<br>(Use on #5 Gun - used with 45-3545, 45-116 conduits)   |
| PX 52FN      | 52FN      | Gas diffuser<br> | X-52             | 55H        | Gas Diffuser<br>(Use on #5 Gun - used with 45H-332, 45H-764 conduits)<br>       |
| PX 52FNM10   | 52FNM10   | Gas diffuser<br> | X-54             |            | Allows you to convert the *Eliminator™ 450 gun to standard front end parts.<br> |
|              |           |   | X-56             |            | Allows you to convert the *Eliminator™ 600 gun to standard front end parts.<br> |

\*Eliminator™ is a registered trademark of Tweco Products, Inc.

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Replacement Parts Suitable For:  
**Tweco Products, Inc.®**

**PROFAX**

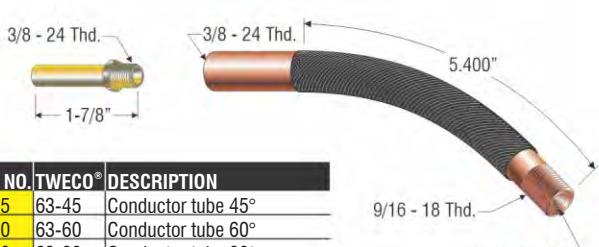


| PROFAX NO. | TWECO® | DESCRIPTION         |
|------------|--------|---------------------|
| PX 62A45   | 62A45  | Conductor tube 45°  |
| PX 62A60   | 62A60  | Conductor tube 60°  |
| PX 62A80   | 62A80  | Conductor tube 80°  |
| PX 62A180  | 62A180 | Conductor tube 180° |
| PX 62N     | 62N    | Nipple              |

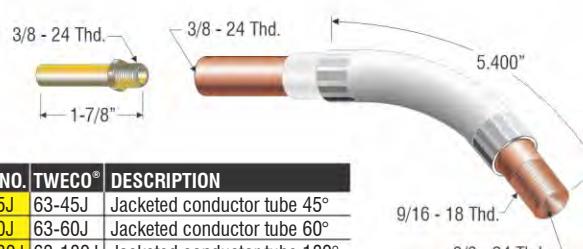


| PROFAX NO. | TWECO®  | DESCRIPTION                  |
|------------|---------|------------------------------|
| PX 62A45J  | 62A45J  | Jacketed conductor tube 45°  |
| PX 62A60J  | 62A60J  | Jacketed conductor tube 60°  |
| PX 62A180J | 62A180J | Jacketed conductor tube 180° |
| PX 62N     | 62N     | Nipple                       |

Also available in  
12", 18" and 24"

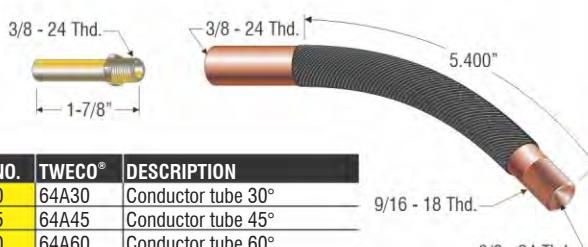


| PROFAX NO. | TWECO® | DESCRIPTION         |
|------------|--------|---------------------|
| PX 63-45   | 63-45  | Conductor tube 45°  |
| PX 63-60   | 63-60  | Conductor tube 60°  |
| PX 63-80   | 63-80  | Conductor tube 80°  |
| PX 63-180  | 63-180 | Conductor tube 180° |
| PX 62N     | 62N    | Nipple              |

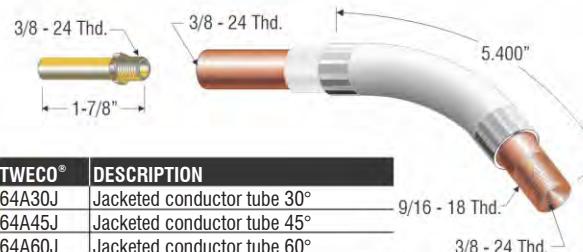


| PROFAX NO. | TWECO®  | DESCRIPTION                  |
|------------|---------|------------------------------|
| PX 63-45J  | 63-45J  | Jacketed conductor tube 45°  |
| PX 63-60J  | 63-60J  | Jacketed conductor tube 60°  |
| PX 63-180J | 63-180J | Jacketed conductor tube 180° |
| PX 62N     | 62N     | Nipple                       |

Also available in  
12", 18" and 24"

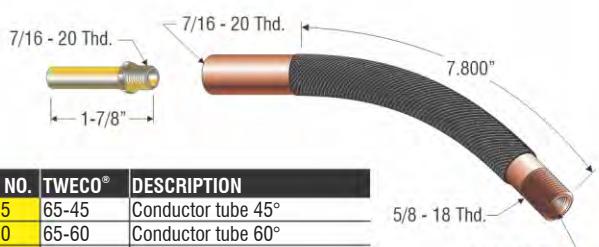


| PROFAX NO. | TWECO® | DESCRIPTION         |
|------------|--------|---------------------|
| PX 64A30   | 64A30  | Conductor tube 30°  |
| PX 64A45   | 64A45  | Conductor tube 45°  |
| PX 64A60   | 64A60  | Conductor tube 60°  |
| PX 64A80   | 64A80  | Conductor tube 80°  |
| PX 64A180  | 64A180 | Conductor tube 180° |
| PX 64N     | 64N    | Nipple              |

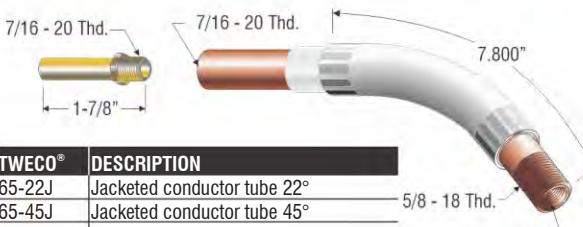


| PROFAX NO.   | TWECO®    | DESCRIPTION                           |
|--------------|-----------|---------------------------------------|
| PX 64A30J    | 64A30J    | Jacketed conductor tube 30°           |
| PX 64A45J    | 64A45J    | Jacketed conductor tube 45°           |
| PX 64A60J    | 64A60J    | Jacketed conductor tube 60°           |
| PX 64A80J    | 64A80J    | Jacketed conductor tube 80°           |
| PX 64A180J   | 64A180J   | Jacketed conductor tube 180°          |
| PX 64A60-3RJ | 64A60-3RJ | Jacketed conductor tube 3" radius 60° |
| PX 64N       | 64N       | Nipple                                |

Also available in  
12", 18" and 24"



| PROFAX NO.  | TWECO®   | DESCRIPTION                  |
|-------------|----------|------------------------------|
| PX 65-45    | 65-45    | Conductor tube 45°           |
| PX 65-60    | 65-60    | Conductor tube 60°           |
| PX 65-80    | 65-80    | Conductor tube 80°           |
| PX 65-180   | 65-180   | Conductor tube 180°          |
| PX 65-60-3R | 65-60-3R | Conductor tube 3" radius 60° |
| PX 65N      | 65N      | Nipple                       |



| PROFAX NO.   | TWECO®    | DESCRIPTION                           |
|--------------|-----------|---------------------------------------|
| PX 65-22J    | 65-22J    | Jacketed conductor tube 22°           |
| PX 65-45J    | 65-45J    | Jacketed conductor tube 45°           |
| PX 65-60J    | 65-60J    | Jacketed conductor tube 60°           |
| PX 65-180J   | 65-180J   | Jacketed conductor tube 180°          |
| PX 65-60-3RJ | 65-60-3RJ | Jacketed conductor tube 3" radius 60° |
| PX 65N       | 65N       | Nipple                                |

Also available in  
12", 18" and 24"

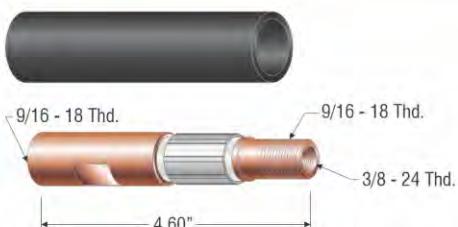
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Note: 15' wire conduit assembly (16' - 0" o.a.l.)  
25' wire conduit assembly (26' - 0" o.a.l.)



Replacement Parts Suitable For:  
**Tweco Products, Inc.**®

**PROFAX**



| PROFAX NO. | TWECO® | DESCRIPTION                     |
|------------|--------|---------------------------------|
| 64A-4EX    |        | 4 inch extension with insulator |



| PROFAX NO. | TWECO® | DESCRIPTION                     |
|------------|--------|---------------------------------|
| 64A-6EX    |        | 6 inch extension with insulator |



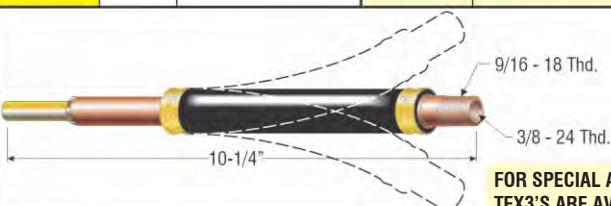
| PROFAX NO. | TWECO® | DESCRIPTION                     |
|------------|--------|---------------------------------|
| 64A-8EX    |        | 8 inch extension with insulator |



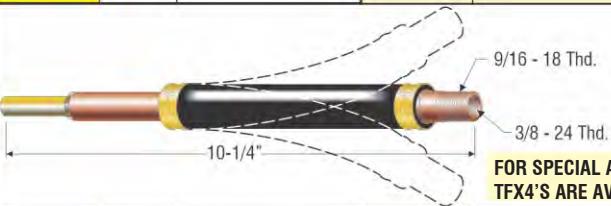
| PROFAX NO. | TWECO® | DESCRIPTION                                   |
|------------|--------|---|
| TF-160     |        | PROFAX flexible barrel for *Tweco's® Mini Mig |



| PROFAX NO. | TWECO® | DESCRIPTION  | PROFAX NO. | DESCRIPTION                                |
|------------|--------|--|------------|--|
| TFX-2      |        | PROFAX flexible barrel for *Tweco's® #2 gun for extreme heat | TFX2-12SP  | PROFAX flexible barrel 16" over all length |
|            |        |  | TFX2-18SP  | PROFAX flexible barrel 22" over all length |
|            |        |  | TFX2-24SP  | PROFAX flexible barrel 28" over all length |



| PROFAX NO. | TWECO® | DESCRIPTION  | PROFAX NO. | DESCRIPTION                                |
|------------|--------|--|------------|--|
| TFX-3      |        | PROFAX flexible barrel for *Tweco's® #3 gun for extreme heat | TFX3-12SP  | PROFAX flexible barrel 16" over all length |
|            |        |  | TFX3-18SP  | PROFAX flexible barrel 22" over all length |
|            |        |  | TFX3-24SP  | PROFAX flexible barrel 28" over all length |

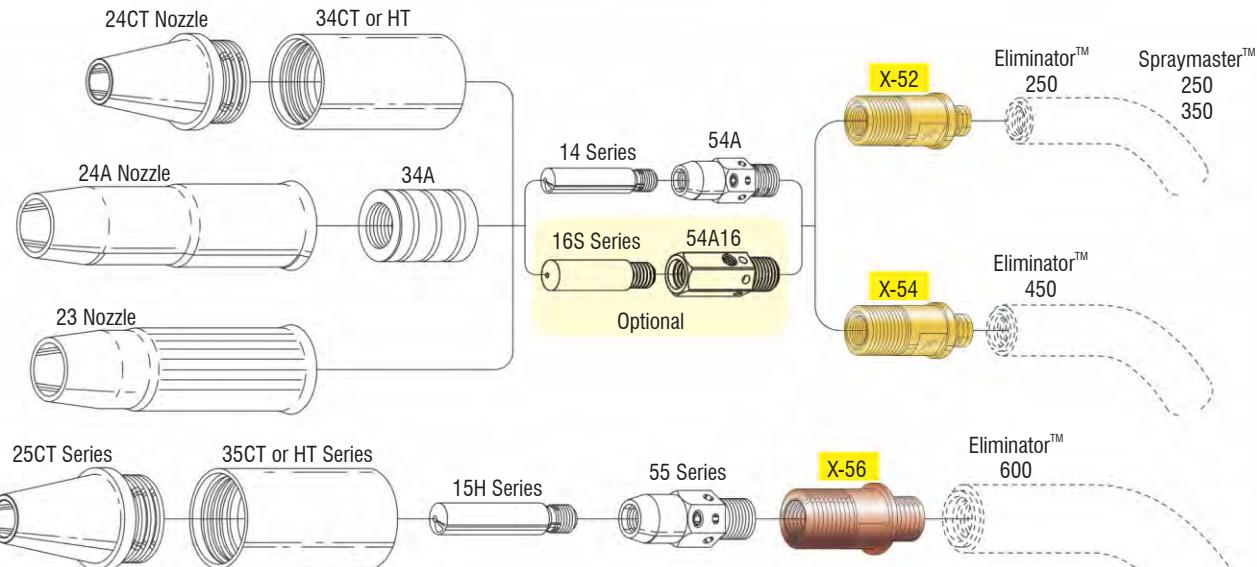


| PROFAX NO. | TWECO® | DESCRIPTION  | PROFAX NO. | DESCRIPTION                                |
|------------|--------|--|------------|--|
| TFX-4      |        | PROFAX flexible barrel for *Tweco's® #4 gun for extreme heat | TFX4-12SP  | PROFAX flexible barrel 16" over all length |
|            |        |  | TFX4-18SP  | PROFAX flexible barrel 22" over all length |
|            |        |  | TFX4-24SP  | PROFAX flexible barrel 28" over all length |

### PROFAX X-52, X-54, and X-56 adapters

Allows you to use your standard parts on the \*Eliminator™ 250, 450, 600 MIG guns and Spraymaster™ 250 and 350.

New ideas sometimes carry a high cost to you and your customers. By using "The PROFAX X-52, X-54, and X-56 adapters" you can provide your customer with the latest in MIG gun design and not have to pass on the expense of new front end parts inventory.



\*Eliminator™ and Spraymaster™ are registered trademarks of Tweco Products, Inc.

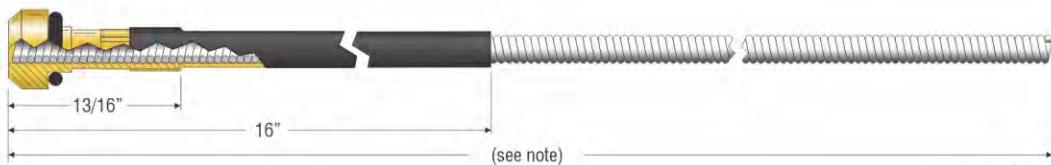
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Tweco®



Replacement Parts Suitable For:  
**Tweco Products, Inc.**®

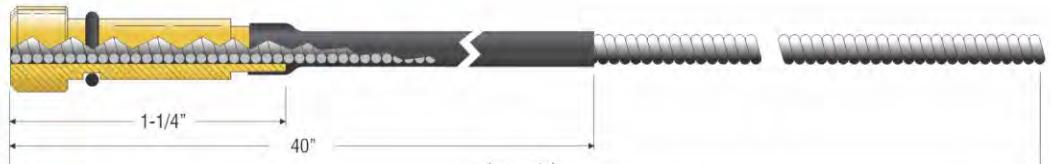
**PROFAX**



(Use on Mini Mig)

Note: 15' wire conduit assembly (16'-0" o.a.l.)

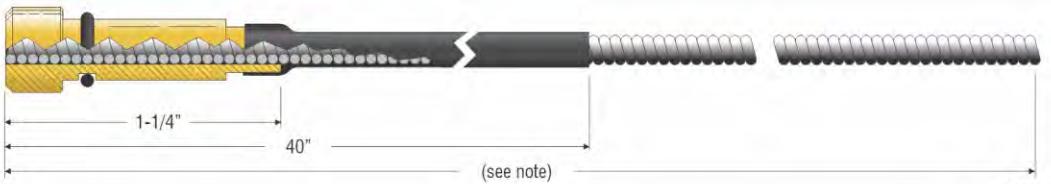
| PROFAX NO.  | TWECO®   | DESCRIPTION  | I.D. | O.D. |
|-------------|----------|--|------|------|
| PX 23-40-15 | 23-40-15 | 15' Mini mig liner — used with .023 diameter wire      | .037 | .123 |
| PX 35-40-15 | 35-40-15 | 15' Mini mig liner — used with .030-.035 diameter wire | .057 | .136 |
| PX 45-40-15 | 45-40-15 | 15' Mini mig liner — used with .040-.045 diameter wire | .067 | .136 |



(Use on #1 & #2 guns)

Note: 15' wire conduit assembly (16'-0" o.a.l.)  
25' wire conduit assembly (26'-0" o.a.l.)

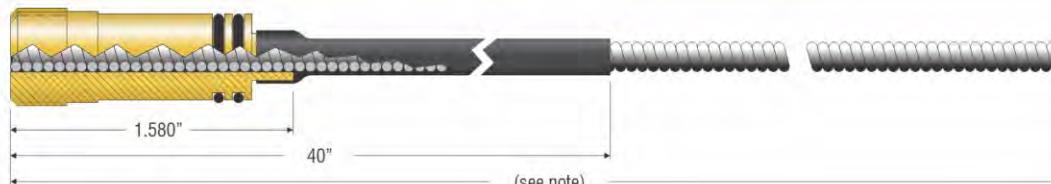
| PROFAX NO.     | TWECO®      | DESCRIPTION   | I.D. | O.D. |
|----------------|-------------|---|------|------|
| PX 42-23-15    | 42-23-15    | 15' wire conduit assembly — used with .023 diameter wire                      | .044 | .125 |
| PX 42-3035-15  | 42-3035-15  | 15' wire conduit assembly — used with .030-.035 diameter wire                 | .052 | .156 |
| PX 42-4045-15  | 42-4045-15  | 15' wire conduit assembly — used with .040-.045 diameter wire                 | .060 | .156 |
| PX 42-116-15   | 42-116-15   | 15' wire conduit assembly — used with .052-1/16" diameter wire                | .078 | .156 |
| PX 42N-3545-15 | 42N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire nylon | .065 | .138 |
| PX 42-3035-25  | 42-3035-25  | 25' wire conduit assembly — used with .030-.035 diameter wire                 | .052 | .156 |
| PX 42-4045-25  | 42-4045-25  | 25' wire conduit assembly — used with .040-.045 diameter wire                 | .060 | .156 |
| PX 42-116-25   | 42-116-25   | 25' wire conduit assembly — used with .052-1/16" diameter wire                | .078 | .156 |



(Use on #3 & #4 guns)

Note: 15' wire conduit assembly (16'-0" o.a.l.)  
25' wire conduit assembly (26'-0" o.a.l.)

| PROFAX NO.     | TWECO®      | DESCRIPTION   | I.D. | O.D. |
|----------------|-------------|---|------|------|
| PX 44-3545-15  | 44-3545-15  | 15' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| PX 44-116-15   | 44-116-15   | 15' wire conduit assembly — used with 1/16" diameter wire               | .078 | .187 |
| PX 44-564-15   | 44-564-15   | 15' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |
| PX 44-332-15   | 44-332-15   | 15' wire conduit assembly — used with 3/32" diameter wire               | .120 | .191 |
| PX 44N-3545-15 | 44N-3545-15 | 15' wire conduit assembly — used with .035-3/64" diameter aluminum wire | .064 | .187 |
| PX 44N-116-15  | 44N-116-15  | 15' wire conduit assembly — used with 1/16" diameter aluminum wire      | .090 | .187 |
| PX 44-3545-25  | 44-3545-25  | 25' wire conduit assembly — used with .035-.045 diameter wire           | .067 | .187 |
| PX 44-116-25   | 44-116-25   | 25' wire conduit assembly — used with 1/16" diameter wire               | .078 | .187 |
| PX 44-564-25   | 44-564-25   | 25' wire conduit assembly — used with 5/64" diameter wire               | .102 | .187 |



(Use on #5 guns)

Note: 15' wire conduit assembly (16'-0" o.a.l.)  
25' wire conduit assembly (26'-0" o.a.l.)

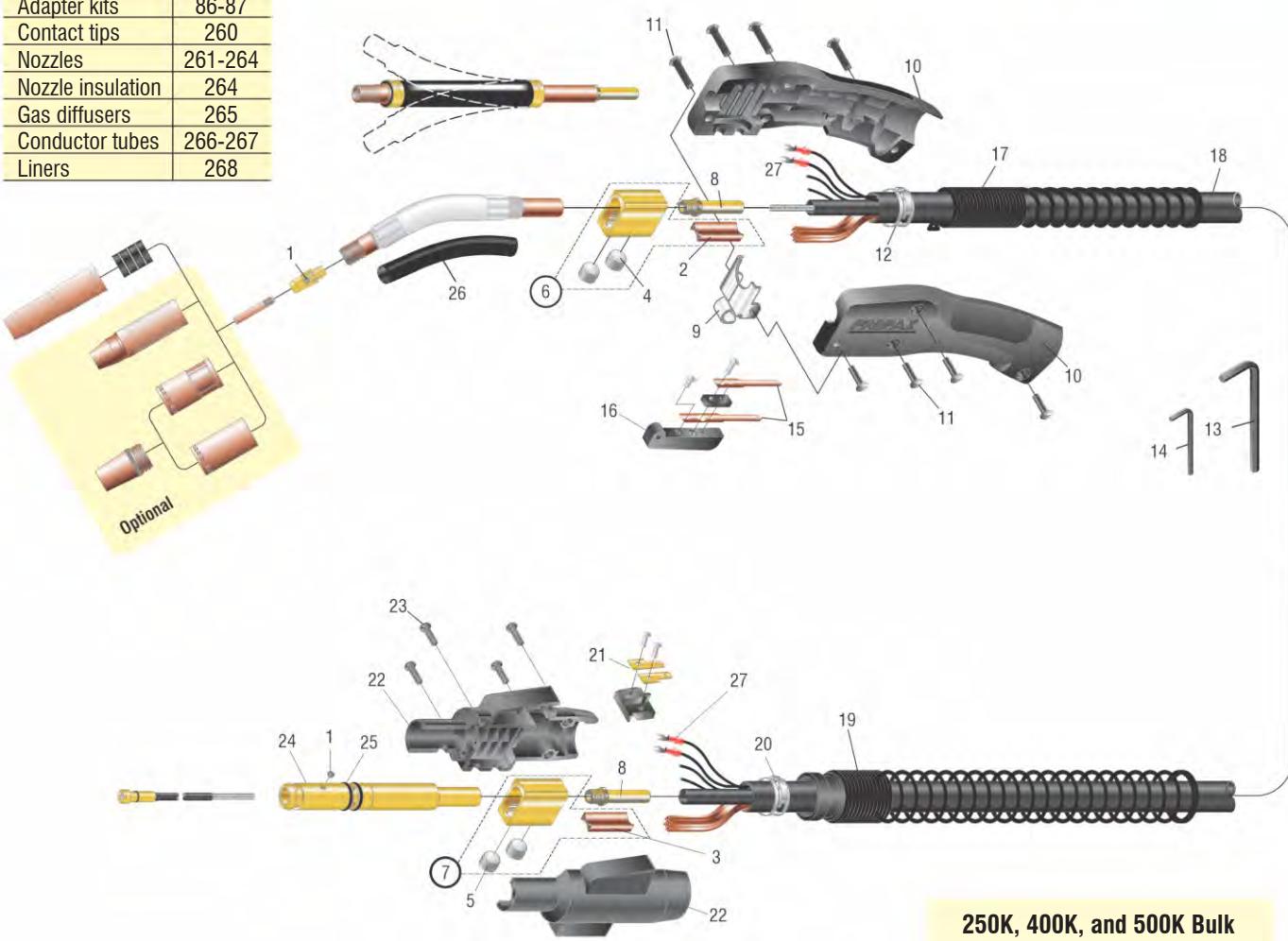
| PROFAX NO.    | TWECO®     | DESCRIPTION   | I.D. | O.D. |
|---------------|------------|---|------|------|
| PX 45-3545-15 | 45-3545-15 | 15' wire conduit assembly — used with .035-.045 diameter wire | .067 | .187 |
| PX 45-116-15  | 45-116-15  | 15' wire conduit assembly — used with 1/16" diameter wire     | .078 | .187 |
| PX 45-564-15  | 45-564-15  | 15' wire conduit assembly — used with 5/64" diameter wire     | .105 | .237 |
| PX 45H-332-15 | 45H-332-15 | 15' wire conduit assembly — used with 3/32" diameter wire     | .125 | .267 |
| PX 45H-764-15 | 45H-764-15 | 15' wire conduit assembly — used with 7/64" diameter wire     | .135 | .267 |
| PX 45-3545-25 | 45-3545-25 | 25' wire conduit assembly — used with .035-.045 diameter wire | .067 | .187 |
| PX 45-116-25  | 45-116-25  | 25' wire conduit assembly — used with 1/16" diameter wire     | .078 | .187 |
| PX 45-564-25  | 45-564-25  | 25' wire conduit assembly — used with 5/64" diameter wire     | .105 | .237 |



Replacement Parts Suitable For:  
**Tweco Products, Inc.**®

**PROFAX**

| FOR:              | SEE PAGE |
|-------------------|----------|
| Adapter kits      | 86-87    |
| Contact tips      | 260      |
| Nozzles           | 261-264  |
| Nozzle insulation | 264      |
| Gas diffusers     | 265      |
| Conductor tubes   | 266-267  |
| Liners            | 268      |



**250K, 400K, and 500K Bulk  
replacement cable hose per foot.**

| NO. | DESCRIPTION                                   | REPLACEMENT PARTS SUITABLE FOR |               |              |               |              |               |
|-----|---|--------------------------------|---------------|--------------|---------------|--------------|---------------|
|     |   | PROFAX NO.                     | TWECO® #2 GUN | PROFAX NO.   | TWECO® #4 GUN | PROFAX NO.   | TWECO® #5 GUN |
| 1   | Set screw for gas diffuser & conduit          | PX 44C                         | 44C           | PX 44C       | 44C           | PX 44C       | 44C           |
| 2   | Separator                                     | PX 112                         | 112           | PX 114       | 114           | PX 114       | 114           |
| 3   | Separator                                     | PX 114                         | 114           | PX 114       | 114           | PX 114       | 114           |
| 4   | Ball point screws                             | PX 1-MBP-10                    | 1-MBP-10      | PX A-532-24  | A-532-24      | PX A-532-24  | A-532-24      |
| 5   | Ball point screws                             | PX A-532-24                    | A-532-24      | PX A-532-24  | A-532-24      | PX A-532-24  | A-532-24      |
| 6   | Cable connector block assembly                | PX 102                         | 102           | PX 104       | 104           | PX 104       | 104           |
| 7   | Cable connector block assembly                | PX 104                         | 104           | PX 104       | 104           | PX 104       | 104           |
| 8   | Nipple  | PX 62N                         | 62N           | PX 64N       | 64N           | PX 65N       | 65N           |
| 9   | Hanger  | PX 152                         | 152           | PX 154       | 154           | PX 154       | 154           |
| 10  | Handle with binder screws                     | PX 82                          | 82            | PX 84A       | 84A           | PX 85        | 85            |
| 11  | Binders (4 ea.) and screws (4 ea.) for handle | PX 122FM-SET                   | 122FM-SET     | PX 124FM-SET | 124FM-SET     | PX 124FM-SET | 124FM-SET     |
| 12  | Clamp-handle                                  | PX 132-12                      | 132-12        | PX 134-14    | 134-14        | PX 134-14    | 134-14        |
| 13  | 7/32" hex wrench                              | PX AL-300-25                   | AL-300-25     | PX AL-300-25 | AL-300-25     | PX AL-300-25 | AL-300-25     |
| 14  | 5/64" hex wrench                              | PX 44-25                       | 44-25         | PX 44-25     | 44-25         | PX 44-25     | 44-25         |
| 15  | Switch contact with screws                    | PX 92C                         | 92C           | PX 94C       | 94C           | PX 94C       | 94C           |
| 16  | Trigger switch assembly                       | PX 92                          | 92            | PX 94R       | 94R           | PX 94R       | 94R           |
| 17  | Hose support handle                           | PX 142-6S                      |               | PX 144-6S    |               | PX 145-6S    |               |
| 18  | 10' replacement cable assembly                | PX 250-10                      | 250-10        | PX 400-10    | 400-10        | PX 500-10    | 500-10        |
|     | 12' replacement cable assembly                | PX 250-12                      | 250-12        | PX 400-12    | 400-12        | PX 500-12    | 500-12        |
|     | 15' replacement cable assembly                | PX 250-15                      | 250-15        | PX 400-15    | 400-15        | PX 500-15    | 500-15        |
| 19  | Hose support-connector                        | PX R185-S                      | 232-12        | PX R185-S    | 234-12        | PX R185-S    | 235-12        |
| 20  | Clamp connector-block                         | PX 134-14                      | 134-14        | PX 134-16    | 134-16        | PX 134-15    | 134-16        |
| 21  | Connector tab assembly                        | PX 194                         | 194           | PX 194       | 194           | PX 194       | 194           |
| 22  | Connector block with binder screws            | PX R185-H                      |               | PX R185-H    |               | PX R185-H    |               |
| 23  | Binder screws for connector block             | PX R185-SC                     |               | PX R185-SC   |               | PX R185-SC   |               |
| 24  | Connector plug with nipple & O-rings          | See Page 42                    |               | See Page 56  |               | See Page 76  |               |
| 25  | O-ring  | PX 224                         | 224           | PX 224       | 224           | PX 225       | 225           |
| 26  | Replacement neoprene insulator                | PX 72A                         | 72A           | PX 74A       | 74A           | PX 75        | 75            |
| 27  | Terminal                                      | PX 244                         | 244           | PX 244       | 244           | PX 244       | 244           |

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## Plasma

**PROFAX**



## TIG / Plasma Coolant



7-2850 operating range down to +4° F.  
7-2851 operating range down to -34° F.

The industry approved product for  
Plasma and TIG water circulator applications.

| PROFAX NO. | DESCRIPTION       | BLEND | PROFAX NO.     | DESCRIPTION | BLEND        |
|------------|-------------------|-------|----------------|-------------|--------------|
| 7-2850     | 1 gal. containers | 70/30 | (4 per carton) | 7-2850-55   | 55 gal. drum |
| 7-2851     | 1 gal. containers | 50/50 | (4 per carton) | 7-2851-55   | 55 gal. drum |

Sold in standard cartons only.



## Cable Covers for Plasma and TIG

- Extra flexible • Light weight • Exceptional value

### Zipper



### Velcro



| PX NO. | DESCRIPTION                      |
|--------|----------------------------------|
| 3-10   | 3" cover for 12½' torch packages |
| 3-22   | 3" cover for 25' torch packages  |
| 3-48   | 3" cover for 50' torch packages  |
| 4-10   | 4" cover for 12½' torch packages |
| 4-22   | 4" cover for 25' torch packages  |
| 4-48   | 4" cover for 50' torch packages  |
| 4-100  | 4" cover for 100' torch packages |

| PX NO. | DESCRIPTION                      |
|--------|----------------------------------|
| 3-10V  | 3" cover for 12½' torch packages |
| 3-22V  | 3" cover for 25' torch packages  |
| 3-48V  | 3" cover for 50' torch packages  |
| 4-10V  | 4" cover for 12½' torch packages |
| 4-22V  | 4" cover for 25' torch packages  |
| 4-48V  | 4" cover for 50' torch packages  |

## Air regulator, Filters / Replacement Elements

### Regulator



(250 P.S.I. MAX)

### Compressed Air Filter



LA-MAN

### Sub-micronic compressed air filter



(125 P.S.I. MAX)

### Replacement element



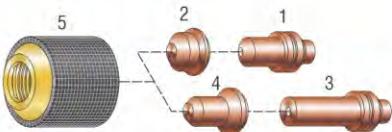
| PROFAX NO. | DESCRIPTION  | PROFAX NO. | DESCRIPTION             | PROFAX NO. | DESCRIPTION                        | PROFAX NO. | DESCRIPTION   |
|------------|--|------------|-------------------------|------------|------------------------------------|------------|---|
| 5524       | Air line regulator plasma /secondary with fittings | 5520A      | Air filter              | M-260      | Air filter (.01 micron filtration) | M-7230     | Replacement element for the M-260 (std. pkg. - 4 ea.) |
|            |  | 015SK      | Service Kit (not shown) | OR-M260    | Replacement O-ring for body        |            |   |



Replacement Parts Suitable For:  
**Century® & Esab®**

**PROFAX**

**20-20 STYLE TORCH HEAD COMPONENTS**



**20 - 40 STYLE TORCH HEAD COMPONENTS**

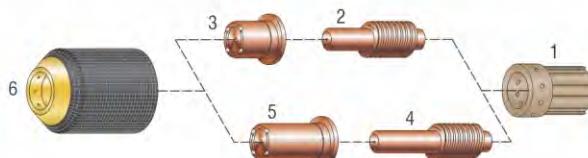


Century® & Esab®

| NO. | PROFAX NO. | CENTURY®/SOLAR® | DESCRIPTION          |
|-----|------------|-----------------|----------------------|
| 1.  | PX 4420    | 4420            | Electrode            |
| 2.  | PX 4421    | 44210           | Nozzle tip           |
| 3.  | PX 4426    | 4426            | Electrode, extended  |
| 4.  | PX 4427    | 4427            | Nozzle tip, extended |
| 5.  | PX 4423    | 44230           | Retaining cap        |

| NO. | PROFAX NO. | CENTURY®/SOLAR® | DESCRIPTION   |
|-----|------------|-----------------|---------------|
| 1.  | PX 4402    | 44020           | Electrode     |
| 2.  | PX 4403    | 44030           | Swirl ring    |
| 3.  | PX 4401    | 44010           | Nozzle tip    |
| 4.  | PX 4404    | 44040           | Retaining cap |

**20-50 STYLE TORCH HEAD COMPONENTS**



| NO. | PROFAX NO. | CENTURY®/SOLAR® | DESCRIPTION             |
|-----|------------|-----------------|-------------------------|
| 1.  | PX 4452    | 44520           | Swirl ring              |
| 2.  | PX 4450    | 44500           | Electrode air           |
| 3.  | PX 4454    | 44540           | Nozzle .038, lo-current |
| 4.  | PX 4451    | 44510           | Nozzle, hi-current      |

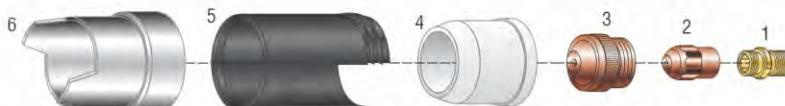
| NO. | PROFAX NO. | CENTURY®/SOLAR® | DESCRIPTION          |
|-----|------------|-----------------|----------------------|
| 4.  | PX 4450L   | 4450L           | Extended electrode   |
| 5.  | PX 4454L   | 4454L           | Extended nozzle      |
| 6.  | PX 4453    | 44530           | Nozzle retaining cap |

Replacement Parts Suitable For:



**Esab®**

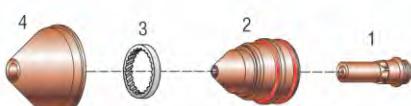
**PT-17A/PT-17AM STYLE TORCH HEAD COMPONENTS USED WITH CONSOLES PCM-150 (875/1125 W/ADAPTER)**



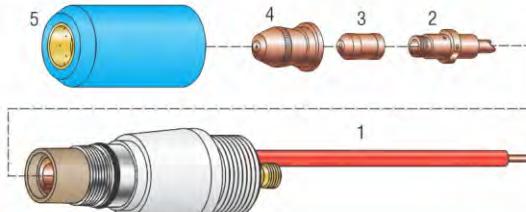
| NO. | PROFAX NO. | ESAB® | DESCRIPTION       |
|-----|------------|-------|-------------------|
| 1.  | PX 20053   | 20053 | Electrode adapter |
| 2.  | PX 19918   | 19918 | Electrode         |
| 3.  | PX 19914   | 19914 | Tip .038, 30 amp  |
|     | PX 19915   | 19915 | Tip .046, 50 amp  |
|     | PX 19916   | 19916 | Tip .052, 70 amp  |
|     | PX 19917   | 19917 | Tip .057, 80 amp  |
|     | PX 20056   | 20056 | Tip .067, 100 amp |

| NO. | PROFAX NO. | ESAB® | DESCRIPTION                |
|-----|------------|-------|----------------------------|
| 4.  | PX 20747   | 20747 | Heat shield HD non-ceramic |
| 5.  | PX 19502   | 19502 | Shroud                     |
| 6.  | PX 19989   | 19989 | Heat shield drag guard     |

**PT-19XL/19XLS STYLE TORCH HEAD COMPONENTS USED  
WITH CONSOLE ESP-200, PCM-150, PCC-11, DEUCE PACK 150**



**PT-20AM STYLE TORCH HEAD COMPONENTS USED  
WITH CONSOLES ESP-100I, PCM-150/875/1125**



| NO. | PROFAX NO. | ESAB®   | DESCRIPTION   |
|-----|------------|---------|---|
| 1.  | PX 34086XL | 34086XL | Electrode long Air/O <sub>2</sub> ,50-250 a. (PT-19XLS) |
| 2.  | PX 21822   | 21822   | Nozzle, 250 amp, 1 pc. (PT-19XLS)                       |
| 3.  | PX 21944   | 21944   | Diffuser, 100-600 amp (PT-19XLS)                        |
| 4.  | PX 21802   | 21802   | Shield, 50-250 amp (PT-19XLS)                           |

| NO. | PROFAX NO. | ESAB® | DESCRIPTION                              |
|-----|------------|-------|--|
| 1.  | PX 21359   | 21359 | Torch body                               |
| 2.  | PX 21332   | 21332 | Electrode adapter assembly (Incl. 21374) |
| 3.  | PX 21150   | 21150 | Electrode                                |
| 4.  | PX 21328   | 21328 | Nozzle, 100 amp                          |
|     | PX 21329   | 21329 | Nozzle, 70 amp                           |
|     | PX 21330   | 21330 | Nozzle, 50 amp                           |
| 5.  | PX 21326   | 21326 | Heat shield, 70/100 amp                  |

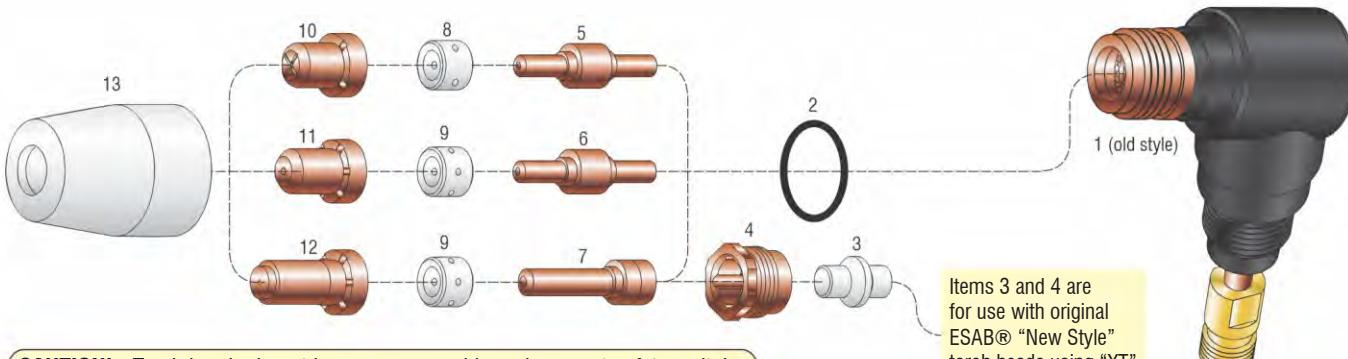
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**PT-23/27 STYLE TORCH HEAD COMPONENTS USED WITH CONSOLES PCM-875/1125**


| NO. | PROFAX NO.    | ESAB®      | DESCRIPTION              | NO. | PROFAX NO. | ESAB® | DESCRIPTION               |
|-----|---------------|------------|--------------------------|-----|------------|-------|---------------------------|
| 1.  | PX 21610      | 21610      | Torch body (PT-27)       | 6.  | PX 33367   | 33367 | Swirl baffle              |
| 2.  | PX 85W51      | 85W51      | O-ring                   | 7.  | PX 33368   | 33368 | Cutting nozzle, 30 amp    |
| 3.  | PX 0558003032 | 0558003032 | Seat assembly            |     | PX 33369   | 33369 | Cutting nozzle, 50-70 amp |
| 4.  | PX 33366      | 33366      | Electrode                |     | PX 33418   | 33418 | Cutting nozzle, 80 amp    |
| 5.  | PX 33366XL    | 33366XL    | Electrode, extended life | 8.  | PX 21616   | 21616 | Heat shield (PT-27)       |
|     |               |            |                          | 9.  | PX 21420   | 21420 | Heat shield               |


**PT-25 STYLE TORCH HEAD COMPONENTS USED WITH CONSOLES ESP-100I, PCM-150 (W/ADAPTER)**


| NO. | PROFAX NO. | ESAB® | DESCRIPTION      | NO. | PROFAX NO. | ESAB® | DESCRIPTION     |
|-----|------------|-------|------------------|-----|------------|-------|-----------------|
| 1.  | PX 21625   | 21625 | Torch Body       | 5.  | PX 21597   | 21597 | Nozzle, 100 amp |
| 2.  | PX 21657   | 21657 | Electrode holder |     | PX 21598   | 21598 | Nozzle, 150 amp |
| 3.  | PX 21595   | 21595 | Electrode Air/N2 |     |            |       |                 |
| 4.  | PX 21667   | 21667 | Swirl baffle     |     |            |       |                 |


**PT-31 & PT-31XL STYLE TORCH HEAD COMPONENTS USED WITH CONSOLES PCM-500I/875**


**CAUTION!** - Torch heads do not have a consumable replacement safety switch.  
Power source must be off when replacing consumables.

Items 3 and 4 are  
for use with original  
ESAB® "New Style"  
torch heads using "XT"  
consumables.

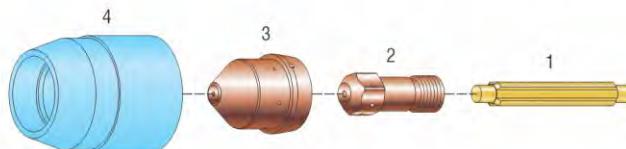
| NO. | PROFAX NO. | ESAB®  | DESCRIPTION                               | NO. | PROFAX NO. | ESAB® | DESCRIPTION                          |
|-----|------------|--------|---|-----|------------|-------|--------------------------------------|
| 1.  | PX 20072   | 20072  | 31 hand torch (w/out safety)              | 10. | PX 18866   | 18866 | Tip, 30 amp, 4 stakes                |
| 2.  | PX 950790  | 950790 | O-ring                                    |     | PX 18820   | 18820 | Tip, 50 amp, 4 stakes                |
| 3.  | PX 20324   | 20324  | Plunger HD (new style) XT                 | 11. | PX 19682   | 19682 | Tip HD, 30 amp, 6 stakes             |
| 4.  | PX 19679   | 19679  | Seat, torch (new style)                   | 12. | PX 20860   | 20860 | Tip, 30 amp, XT                      |
| 5.  | PX 18205   | 18205  | Electrode                                 |     | PX 21008   | 21008 | Tip, 40 amp, XT                      |
| 6.  | PX 19683   | 19683  | Electrode HD, 30-50 amp                   |     | PX 20861   | 20861 | Tip, 50 amp, XT                      |
| 7.  | PX 20862   | 20862  | Electrode, XT                             | 13. | PX 18204   | 18204 | Shield cup, ceramic                  |
| 8.  | PX 18785   | 18785  | Swirl baffle, 4 holes                     |     | PX 20282   | 20282 | Heat shield HD, non ceramic, XL & XT |
| 9.  | PX 20463   | 20463  | Swirl baffle, 30-50 amp, 6 Holes, XL & XT |     | PX 18844   | 18844 | Heat shield, 50 Amp                  |



Replacement Parts Suitable For:  
**Esab®**

**PROFAX**

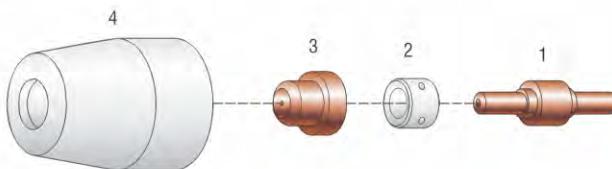
**PT-32 STYLE TORCH HEAD COMPONENTS USED  
WITH CONSOLES POWER CUT 875, 1125, 1500**



Esab®,  
HYPERTHERM®

| NO. | PROFAX NO.    | ESAB®      | DESCRIPTION                      | NO. | PROFAX NO.    | ESAB®      | DESCRIPTION |
|-----|---------------|------------|----------------------------------|-----|---------------|------------|-------------|
| 1.  | PX 0558001959 | 0558001959 | Pin, valve                       | 4.  | PX 0558001957 | 0558001957 | Heat shield |
| 2.  | PX 0558001969 | 0558001969 | Electrode                        |     |               |            |             |
| 3.  | PX 0558002908 | 0558002908 | Nozzle, 40 amp (875, 1125, 1500) |     |               |            |             |
|     | PX 0558002618 | 0558002618 | Nozzle, 50/70 amp (875/1125)     |     |               |            |             |
|     | PX 0558002837 | 0558002837 | Nozzle, 90 amp (1500)            |     |               |            |             |

**PT-34 STYLE TORCH HEAD COMPONENTS  
USED WITH CONSOLES HP125**



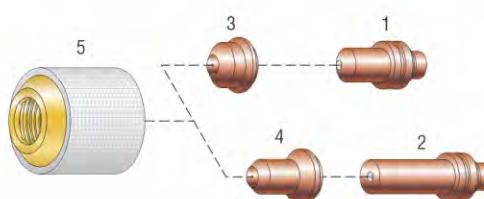
| NO. | PROFAX NO. | ESAB® | DESCRIPTION           | NO. | PROFAX NO. | ESAB® | DESCRIPTION |
|-----|------------|-------|-----------------------|-----|------------|-------|-------------|
| 1.  | PX 37888   | 37888 | Electrode             | 3.  | PX 37887   | 37887 | Tip, 12 amp |
| 2.  | PX 18785   | 18785 | Swirl baffle, 4 holes | 4.  | PX 20282   | 20282 | Heat shield |



Replacement Parts Suitable For:  
**HYPERTHERM®**

MAX® is the registered trademark  
of HYPERTHERM®

**MAX 20 STYLE TORCH HEAD COMPONENTS (PAC® 110)**



| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION          | NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION            |
|-----|------------|-------------|----------------------|-----|------------|-------------|------------------------|
| 1.  | PX020220   | 020220      | Electrode            | 4.  | PX020381   | 020381      | Nozzle, extended, .029 |
| 2.  | PX020382   | 020382      | Electrode, extended  | 5.  | PX020218   | 020218      | Retaining cap          |
| 3.  | PX020299   | 020299      | Nozzle .029 (0.73mm) |     |            |             |                        |
|     | PX020219   | 020219      | Nozzle, .031         |     |            |             |                        |

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\* - Not Shown

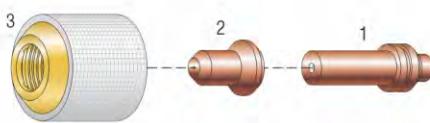


Replacement Parts Suitable For:  
**HYPERTHERM®**

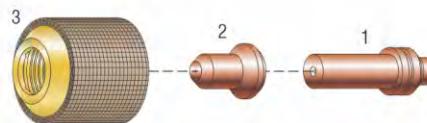
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of HYPERTHERM®

**PROFAX**

**POWERMAX® 350 STYLE TORCH HEAD COMPONENTS (PAC® 110)**



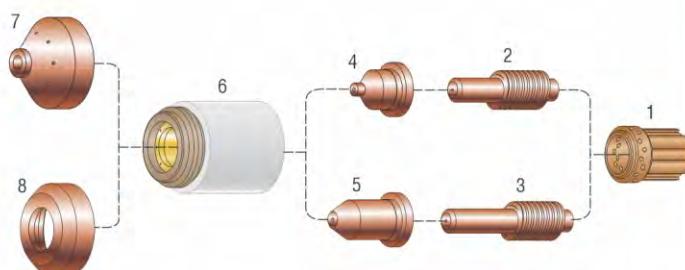
**POWERMAX® 380 STYLE TORCH HEAD COMPONENTS (PAC® 110T)**



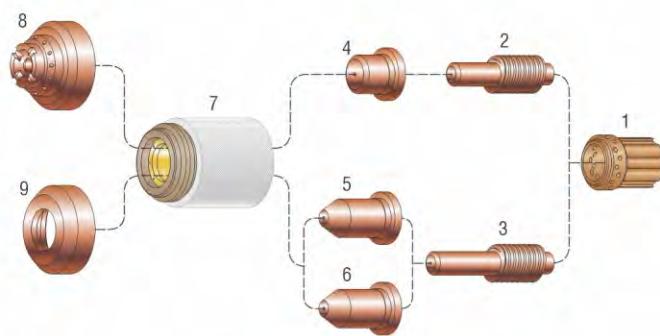
HYPERTHERM®

| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION              | NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION              |
|-----|------------|-------------|--------------------------|-----|------------|-------------|--------------------------|
| 1.  | PX020382   | 020382      | Electrode, extended      | 1.  | PX020382   | 020382      | Electrode extended       |
| 2.  | PX120504   | 120504      | Nozzle, extended, 25 amp | 2.  | PX120504   | 120504      | Nozzle, extended, 25 amp |
| 3.  | PX020218   | 020218      | Retaining cap            | 3.  | PX220016   | 220016      | Retaining cap            |

**POWERMAX 600® STYLE TORCH HEAD COMPONENTS (PAC® 123 T/M)**



**POWERMAX 800® PAC 121/POWERMAX 900® PAC 125  
STYLE TORCH HEAD COMPONENTS**



| NO. | PROFAX   | HYPERTHERM® | DESCRIPTION                      | NO. | PROFAX   | HYPERTHERM® | DESCRIPTION                           |
|-----|----------|-------------|----------------------------------|-----|----------|-------------|---------------------------------------|
| 1.  | PX120576 | 120576      | Swirl ring                       | 1.  | PX020361 | 020361      | Swirl ring, 800                       |
| 2.  | PX120573 | 120573*     | Electrode, air                   |     | PX120576 | 120576      | Swirl ring, 900                       |
| 3.  | PX120574 | 120574      | Electrode, extended              | 2.  | PX120573 | 120573*     | Electrode, air                        |
| 4.  | PX120826 | 120826      | Nozzle                           | 3.  | PX120574 | 120574      | Electrode, extended                   |
| 5.  | PX120606 | 120606*     | Nozzle pipe saddle, 35 amp, ext. | 4.  | PX120577 | 120577      | Nozzle, 55 amp, 900                   |
| 6.  | PX120600 | 120600      | Shield cap                       |     | PX120282 | 120282      | Nozzle, 55 amp, 800                   |
| 7.  | PX120828 | 120828*     | Shield, hand                     | 5.  | PX120578 | 120578*     | Nozzle pipe saddle, 55 amp, 900, ext. |
| 8.  | PX120303 | 120303      | Deflector                        |     | PX120305 | 120305      | Nozzle pipe saddle, 55 amp, 8007      |

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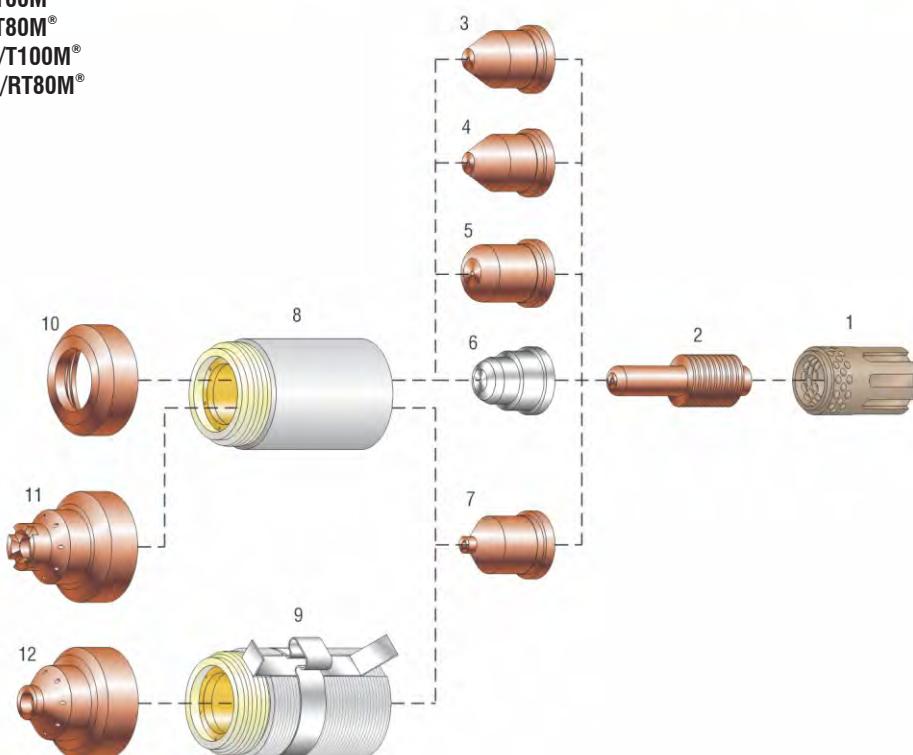


Replacement Parts Suitable For:  
**HYPERTHERM®**

**PROFAX**

**POWERMAX 1000® T60/T60M®**  
**POWERMAX 1250® T80/T80M®**  
**POWERMAX 1650® T100/T100M®**  
**POWERMAX 1100® RT80/RT80M®**  
**RT60/RT60M®**

#### 40A-80A STYLE TORCH HEAD COMPONENTS

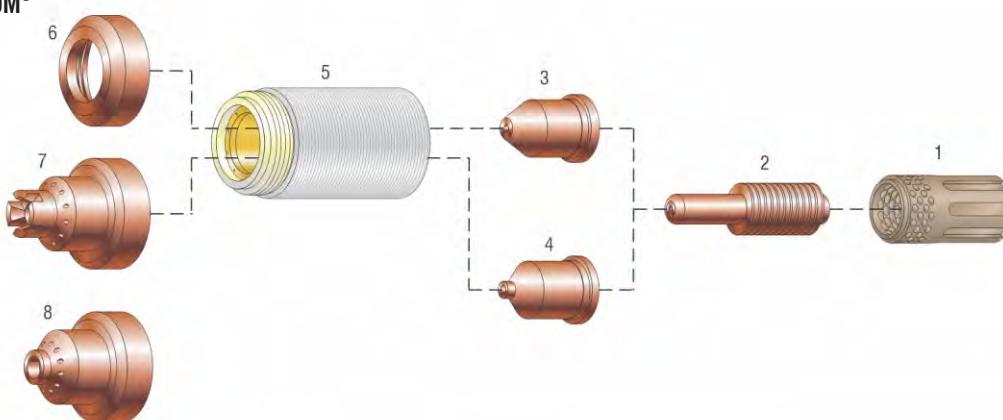


HYPERTHERM®

| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION               | NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION                |
|-----|------------|-------------|---------------------------|-----|------------|-------------|----------------------------|
| 1.  | PX 120925  | 120925      | Swirl ring                | 7.  | PX 120932  | 120932      | Tip 40A shielded           |
| 2.  | PX 120926  | 120926      | Electrode                 |     | PX 120931  | 120931      | Tip 60A shielded           |
| 3.  | PX 120980  | 120980      | Tip 80A unshielded        | 8.  | PX 120928  | 120928      | Retaining cap 40/80A       |
| 4.  | PX 220007  | 220007      | Tip 60A unshielded        | 9.  | PX 220061  | 220061      | Retaining cap 40/80A OHMIC |
| 5.  | PX 220006  | 220006      | Tip 40A unshielded        | 10. | PX 120979  | 120979      | Deflector                  |
| 6.  | PX 220329  | 220329      | Tip 30A-50A precision cut | 11. | PX 120929  | 120929      | Hand shield 40/80A         |
|     |            |             |                           | 12. | PX 120930  | 120930      | Machine shield 40/80A      |

**POWERMAX 1000® T60/T60M®**  
**POWERMAX 1250® T80/T80M®**  
**POWERMAX 1650® T100/T100M®**  
**POWERMAX 1100® RT80/RT80M®**  
**RT60/RT60M®**

#### 100A STYLE TORCH HEAD COMPONENTS



| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION              | NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION         |
|-----|------------|-------------|--------------------------|-----|------------|-------------|---------------------|
| 1.  | PX 220051  | 220051      | Swirl ring Max life 100A | 5.  | PX 220048  | 220048      | Retaining cap 100A  |
| 2.  | PX 220037  | 220037      | Electrode 100A           | 6.  | PX 120979  | 120979      | Deflector           |
| 3.  | PX 220064  | 220064      | Tip 100A unshielded      | 7.  | PX 220065  | 220065      | Hand shield 100A    |
| 4.  | PX 220011  | 220011      | Tip 100A Shielded        | 8.  | PX 220047  | 220047      | Machine shield 100A |

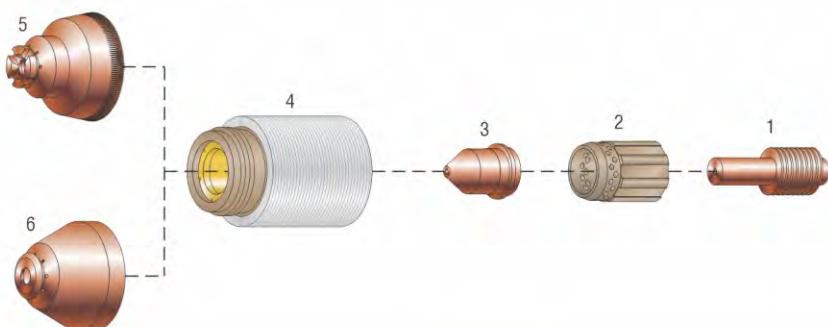
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Replacement Parts Suitable For:  
**HYPERTHERM®**

**PROFAX**

**POWERMAX 45® H45® STYLE TORCH HEAD COMPONENTS**



| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION    | NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION    |
|-----|------------|-------------|----------------|-----|------------|-------------|----------------|
| 1.  | PX 220669  | 220669      | Electrode      | 4.  | PX 220713  | 220713      | Retaining cap  |
| 2.  | PX 220670  | 220670      | Swirl ring 45A | 5.  | PX 220674  | 220674      | Hand shield    |
| 3.  | PX 220671  | 220671      | Tip 45A        | 6.  | PX 220673  | 220673      | Machine shield |

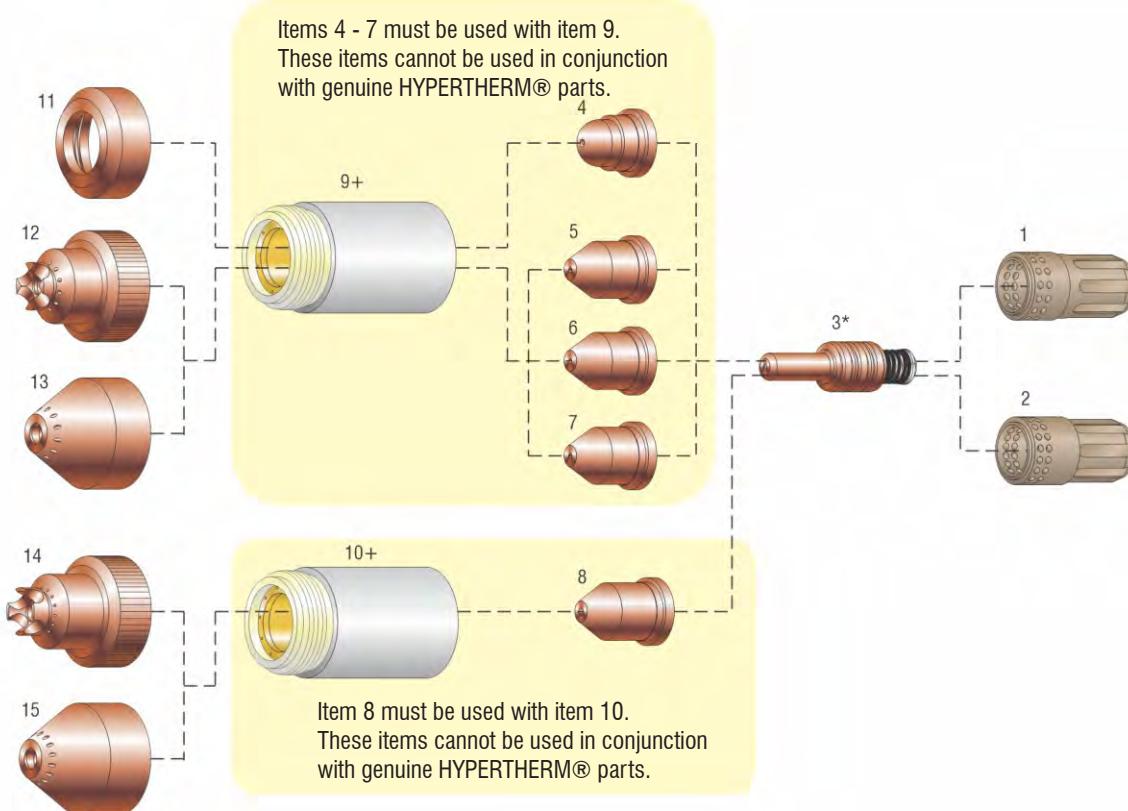
**POWERMAX 65® H65® M65®**

**POWERMAX 85® H85® M85®**

**POWERMAX 105® H105® M105®**

**POWERMAX 1000/1250/1650 HRT® MRT® RETRIFT TORCH**

HYPERTHERM®



+ Item is not of OEM design

| NO. | PROFAX NO. | HYPERTHERM® | DESCRIPTION                          | NO.  | PROFAX NO.    | HYPERTHERM® | DESCRIPTION           |
|-----|------------|-------------|--------------------------------------|------|---------------|-------------|-----------------------|
| 1.  | PX 220857  | 220857      | Swirl ring 45-85A                    | 9.*  | PX 220854/85  | 220854/85   | Retaining cap 45-85A  |
| 2.  | PX 220994  | 220994      | Swirl ring 105A                      | 10.* | PX 220854/105 | 220854/105  | Retaining cap 105A    |
| 3.* | PX 220842  | 220842      | Electrode 30-105A                    | 11.  | PX 220955     | 220955      | Deflector             |
| 4.  | PX 220930  | 220930      | Tip precision cut 45A (for use w/#9) | 12.  | PX 220818     | 220818      | Hand shield 45-85A    |
| 5.  | PX 220941  | 220941      | Tip 45A (for use w/item 9*)          | 13.  | PX 220817     | 220817      | Machine shield 45-85A |
| 6.  | PX 220819  | 220819      | Tip 65A (for use w/item 9*)          | 14.  | PX 220992     | 220992      | Hand shield 105A      |
| 7.  | PX 220816  | 220816      | Tip 85A (for use w/item 9*)          | 15.  | PX 220993     | 220993      | Machine shield 105A   |
| 8.  | PX 220990  | 220990      | Tip 105A (for use w/item 10*)        |      |               |             |                       |

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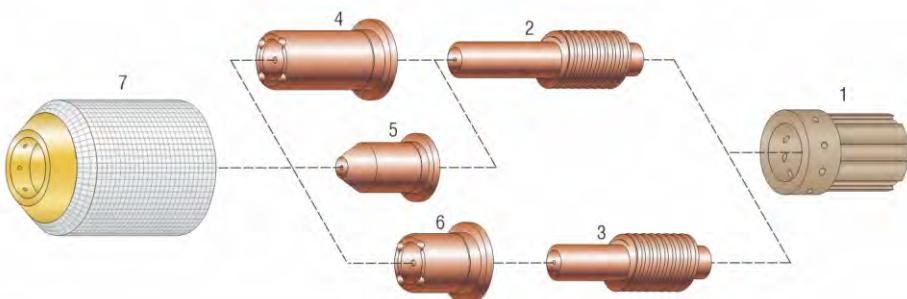


Replacement Parts Suitable For:  
**HYPERTHERM®**

MAX® and HT® are the registered trademarks of **HYPERTHERM®**

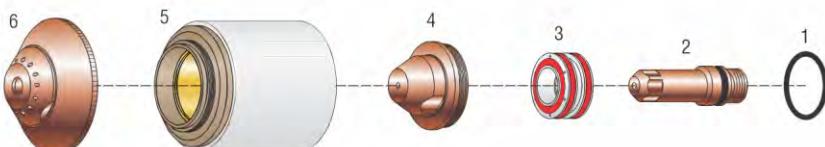
**PROFAX**

**MAX 40CS/MAX 42/MAX 43 STYLE TORCH HEAD COMPONENTS (PAC® 120/121)**



| NO. | PROFAX   | HYPERTHERM® | DESCRIPTION            | NO. | PROFAX   | HYPERTHERM® | DESCRIPTION              |
|-----|----------|-------------|------------------------|-----|----------|-------------|--------------------------|
| 1.  | PX020361 | 020361      | Swirl ring             | 5.  | PX120023 | 120023      | Nozzle pipe saddle, long |
| 2.  | PX120574 | 120574      | Electrode, extended    | 6.  | PX020350 | 020350      | Nozzle, .038             |
| 3.  | PX120573 | 120573*     | Electrode              |     | PX020395 | 020395      | Nozzle, .042             |
| 4.  | PX020546 | 020546      | Nozzle, extended, .038 | 7.  | PX020930 | 020930      | Retaining cap            |

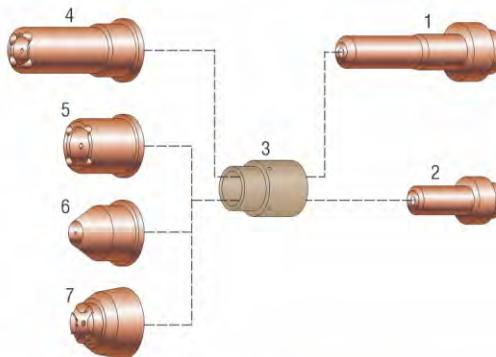
**MAX200 STYLE TORCH HEAD COMPONENTS (PAC® 200)**



HYPERTHERM®

| NO. | PROFAX   | HYPERTHERM® | DESCRIPTION  | NO. | PROFAX   | HYPERTHERM® | DESCRIPTION  |
|-----|----------|-------------|--|-----|----------|-------------|--|
| 1.  | PX044027 | 044027      | O-ring   | 5.  | PX020423 | 020423      | Retaining cap machine torch                        |
| 2.  | PX120667 | 120667*     | Electrode, hylife, oxygen                                  |     | PX020915 | 020915      | Retaining cap hand torch                           |
|     | PX220021 | 220021*     | Electrode, hylife, oxygen                                  | 6.  | PX020424 | 020424*     | Shield, cutting, all plasma gases, machine 200 amp |
|     | PX020414 | 020414      | Electrode, oxygen, air, 40, 100, or 200 amp                |     | PX020448 | 020448*     | Shield, cutting, all plasma gases, machine 100 amp |
| 3.  | PX020607 | 020607*     | Swirl ring, air, nitrogen, argon/hydrogen, 100 or 200 amps |     | PX020918 | 020918*     | Shield, 200 amp, mild steel, hand                  |
|     | PX020604 | 020604*     | Swirl ring, oxygen, 200 amps                               |     |          |             |  |
| 4.  | PX020605 | 020605      | Nozzle, oxygen, 200 amps, .082                             |     |          |             |  |
|     | PX020608 | 020608      | Nozzle, air, nitrogen, argon/hydrogen, 200 amps, .086      |     |          |             |  |
|     | PX020611 | 020611*     | Nozzle, air, argon/hydrogen, 100 amps, .059                |     |          |             |  |

**MAX40 AND HT40 STYLE TORCH HEAD COMPONENTS (PAC® 140)**



| NO. | PROFAX   | HYPERTHERM® | DESCRIPTION                 | NO. | PROFAX   | HYPERTHERM® | DESCRIPTION           |
|-----|----------|-------------|-----------------------------|-----|----------|-------------|-----------------------|
| 1.  | PX020467 | 020467      | Electrode, extended (MAX40) | 5.  | PX020115 | 020115      | Nozzle (MAX40)        |
| 2.  | PX020103 | 020103      | Electrode, air              | 6.  | PX020131 | 020131      | Nozzle pipe saddle    |
| 3.  | PX020101 | 020101      | Swirl ring                  | 7.  | PX020197 | 020197      | Nozzle, hi-visibility |
| 4.  | PX020466 | 020466      | Nozzle, extended (MAX40)    |     |          |             |                       |

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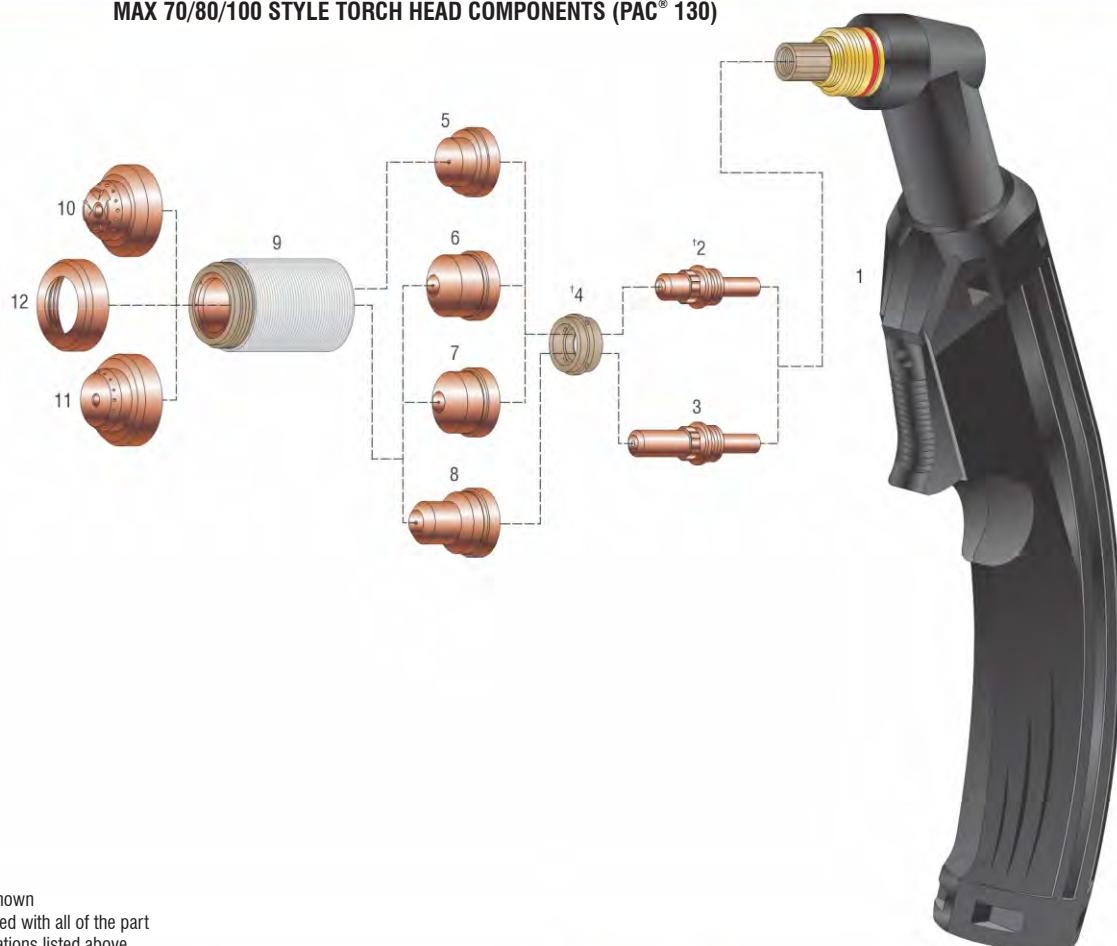


Replacement Parts Suitable For:  
**HYPERTHERM®**

MAX® is the registered trademark  
of HYPERTHERM®

**PROFAX**

**MAX 70/80/100 STYLE TORCH HEAD COMPONENTS (PAC® 130)**



N/S - Not Shown

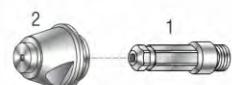
† - To be used with all of the part combinations listed above.

| NO. | PROFAX   | HYPERTHERM® | DESCRIPTION                                       | NO. | PROFAX   | HYPERTHERM® | DESCRIPTION                |
|-----|----------|-------------|---|-----|----------|-------------|----------------------------|
| 1.  | PX020189 | 020189      | Torch body, hand, 70°, complete w/handle & switch | 7.  | PX020203 | 020203      | Nozzle, standard, 40 amp   |
| †2. | PX120433 | 120433*     | Electrode, air                                    | 8.  | PX020563 | 020563      | Nozzle, extended           |
| 3.  | PX020564 | 020564      | Electrode, extended                               | 9.  | PX020336 | 020336*     | Shield cap, 80/100 amp     |
| †4. | PX020194 | 020194      | Swirl ring  | 10. | PX020335 | 020335*     | Hand shield                |
| 5.  | PX020397 | 020397      | Nozzle, shield, 80 amp (MAX80)                    | 11. | PX020334 | 020334*     | Machine shield, 80/100 amp |
|     | PX020337 | 020337      | Nozzle, shield, 100 amp (MAX100)                  | 12. | PX020333 | 020333      | Deflector, gouging         |
| 6.  | PX020195 | 020195      | Nozzle, std., 100 amp (MAX100)                    | N/S | PX026018 | 026018      | O-ring-torch head          |



Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

**APT 5000/APT 7000 STYLE TORCH HEAD  
COMPONENTS (SPECTRUM® 500/750)**



**ICE-25C TORCH HEAD  
COMPONENTS (SPECTRUM® 300)**



| NO. | PROFAX NO. | MILLER® | DESCRIPTION | NO. | PROFAX NO. | MILLER® | DESCRIPTION        |
|-----|------------|---------|-------------|-----|------------|---------|--------------------|
| 1.  | PX 123-899 | 123899  | Electrode   | 1.  | PX 169-232 | 169232  | O-ring             |
| 2.  | PX 123-898 | 123898  | Tip "S"     | 2.  | PX 202809  | 176657  | Swirl ring, 25 amp |
|     |            |         |             | 3.  | PX 176-655 | 176655  | Electrode, 25 amp  |
|     |            |         |             | 4.  | PX 176-656 | 176656  | Tip, 25 amp        |

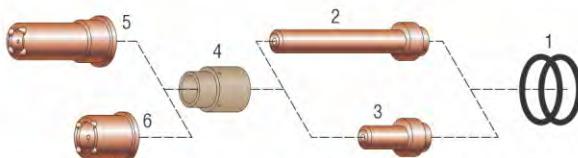
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Replacement Parts Suitable For:  
**Miller Electric Mfg. Co.®**

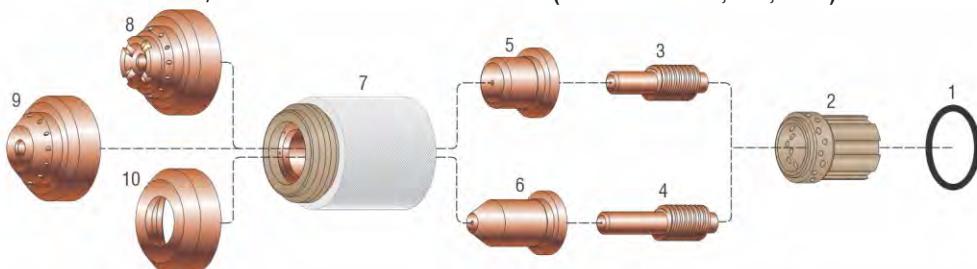
**PROFAX**

**ICE-50 TORCH HEAD COMPONENTS (SPECTRUM® 700)**



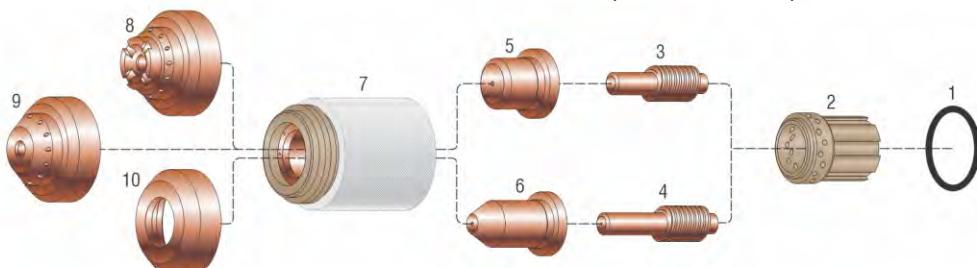
| NO. | PROFAX NO. | MILLER® | DESCRIPTION        | NO. | PROFAX NO. | MILLER® | DESCRIPTION  |
|-----|------------|---------|--------------------|-----|------------|---------|--------------|
| 1.  | PX 169232  | 169232  | O-ring             | 5.  | PX 169214  | 169214  | Tip extended |
| 2.  | PX 173895  | 173895  | Electrode extended | 6.  | PX 174034  | 174034  | Tip standard |
| 3.  | PX 169212  | 169212  | Electrode standard | *   | PX 169213  | 169213  | Gouging tip  |
| 4.  | PX 169215  | 169215  | Swirl ring         |     |            |         |              |

**ICE-50C/50CM TORCH HEAD COMPONENTS (SPECTRUM® 650, 701, 2050)**



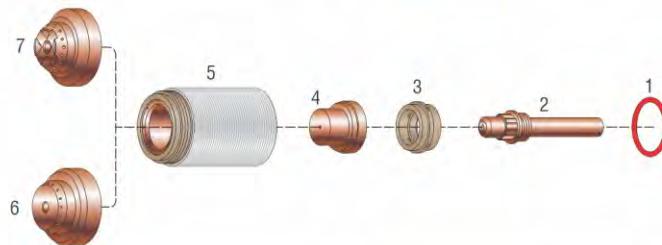
| NO. | PROFAX NO. | MILLER® | DESCRIPTION        | NO. | PROFAX NO. | MILLER® | DESCRIPTION                  |
|-----|------------|---------|--------------------|-----|------------|---------|------------------------------|
| 1.  | PX 169232  | 169232  | O-ring             | 6.  | PX 177876  | 177876  | Nozzle pipe saddle, extended |
| 2.  | PX 177886  | 177886  | Swirl ring         | 7.  | PX 192050  | 192050  | Retaining cup                |
| 3.  | PX 192047  | 192047  | Electrode air      | 8.  | PX 192053  | 192053  | Shield-drag                  |
| 4.  | PX 192048  | 192048  | Electrode extended | 9.  | PX 192058  | 192058  | Shield-machine               |
| 5.  | PX 177890  | 177890  | Nozzle standard    | 10. | PX 177888  | 177888  | Deflector                    |

**ICE-55C/55CM TORCH HEAD COMPONENTS (SPECTRUM® 2255)**



| NO. | PROFAX NO. | MILLER® | DESCRIPTION                          | NO. | PROFAX NO. | MILLER® | DESCRIPTION    |
|-----|------------|---------|--------------------------------------|-----|------------|---------|----------------|
| 1.  | PX 169232  | 169232  | O-ring                               | 5.  | PX 192052  | 192052  | Nozzle, 35 amp |
| 2.  | PX 192049  | 192049  | Swirl ring                           | 7.  | PX 192050  | 192050  | Retaining cup  |
| 3.  | PX 192047  | 192047  | Electrode air                        | 8.  | PX 192053  | 192053  | Shield-drag    |
| 4.  | PX 192048  | 192048  | Electrode extended                   | 9.  | PX 192058  | 192058  | Shield-machine |
| 5.  | PX 192051  | 192051  | Nozzle standard                      | 10. | PX 177888  | 177888  | Deflector      |
| 6.  | PX 192056  | 192056  | Nozzle pipe saddle, extended, 55 amp |     |            |         |                |

**ICE-70/100 AND ICE-70M/100M STYLE TORCH HEAD COMPONENTS (SPECTRUM® 1000 AND 1250)**



| NO. | PROFAX NO. | MILLER® | DESCRIPTION          | NO. | PROFAX NO. | MILLER® | DESCRIPTION    |
|-----|------------|---------|----------------------|-----|------------|---------|----------------|
| 1.  | PX 169233  | 169233  | O-ring               | 5.  | PX 169223  | 169223  | Cup 70/100 amp |
| 2.  | PX 169217  | 169217  | Electrode standard   | 6.  | PX 169230  | 169230  | Machine shield |
| 3.  | PX 169222  | 169222  | Swirl ring           | 7.  | PX 169224  | 169224  | Drag shield    |
| 4.  | PX 169219  | 169219  | Tip shielded 70 amp  |     |            |         |                |
|     | PX 169226  | 169226  | Tip shielded 100 amp |     |            |         |                |

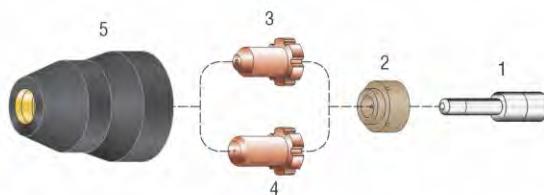
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Replacement Parts Suitable For:  
**Thermal Dynamics Corp.®**

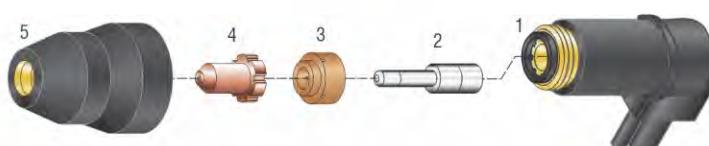
**PROFAX**

**PCH-10 STYLE TORCH HEAD COMPONENTS (DRAG GUN AND COUGAR)**



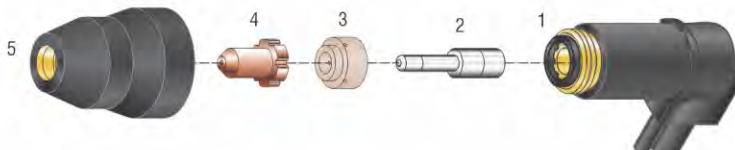
| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION         | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION           |
|-----|------------|-------------------|---------------------|-----|------------|-------------------|-----------------------|
| 1.  | PX 9-6006  | 9-6006            | Electrode           | 4.  | PX 9-4476  | 9-4476            | Tip, air, Cougar™ 125 |
| 2.  | PX 9-6007  | 9-6007            | Gas distributor     | 5.  | PX 9-6003  | 9-6003            | Shield cup            |
| 3.  | PX 9-6099  | 9-6099            | Tip, air, Drag-Gun™ |     |            |                   |                       |

**PCH-25 STYLE TORCH HEAD COMPONENTS (PAKMASTER® 25/ECONO-PAK™ 25)**



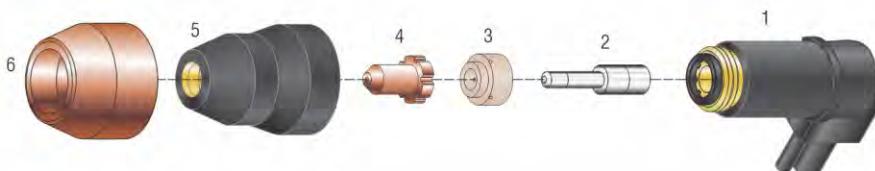
| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION     | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION |
|-----|------------|-------------------|-----------------|-----|------------|-------------------|-------------|
| 1   | PX 9-5807  | 9-5807            | Hand torch 70°  | 4.  | PX 9-4476  | 9-4476            | Tip         |
| 2.  | PX 9-6006  | 9-6006            | Electrode       | 5.  | PX 9-6003  | 9-6003            | Shield cup  |
| 3.  | PX 9-6007  | 9-6007            | Gas distributor |     |            |                   |             |

**PCH-26 STYLE TORCH HEAD COMPONENTS (ECONO-PAK™ 50)**



| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION     | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION |
|-----|------------|-------------------|-----------------|-----|------------|-------------------|-------------|
| 1.  | PX 9-5807  | 9-5807            | Hand torch 70°  | 4.  | PX 9-6501  | 9-6501            | Tip drag    |
| 2.  | PX 9-6506  | 9-6506            | Electrode       | 5.  | PX 9-6003  | 9-6003            | Shield cup  |
| 3.  | PX 9-6507  | 9-6507            | Gas distributor |     |            |                   |             |

**PCH/M-28 STYLE TORCH HEAD COMPONENTS (PAKMASTER® 50XL)**



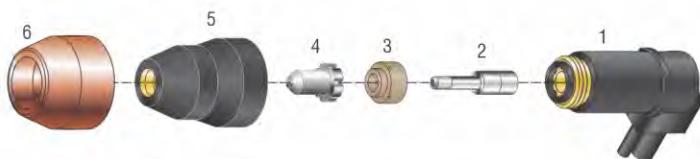
| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                    |
|-----|------------|-------------------|----------------------------|-----|------------|-------------------|--------------------------------|
| 1.  | PX 9-5807  | 9-5807            | Hand torch 70°             | 4.  | PX 9-6500  | 9-6500            | Tip, stand off                 |
| 2.  | PX 9-6506  | 9-6506            | Electrode, long life       | 5.  | PX 9-6501  | 9-6501            | Tip, drag                      |
| 3.  | PX 9-6507  | 9-6507            | Gas distributor, long life | 6.  | PX 9-6003  | 9-6003            | Shield cup                     |
|     |            |                   |                            |     |            |                   | Shield cup, long life w/9-6003 |

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\* - Not Shown



Replacement Parts Suitable For:

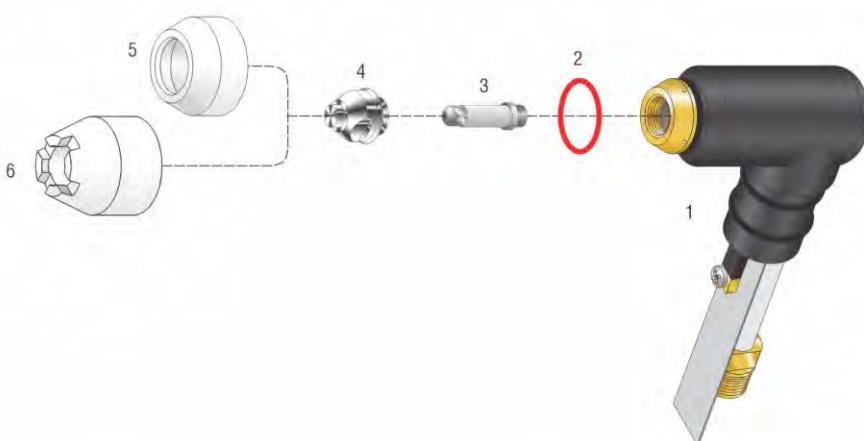
**Thermal Dynamics Corp.®****PROFAX****PCH/M-35 STYLE TORCH HEAD COMPONENTS (PAKMASTER® 50)**

| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                    |
|-----|------------|-------------------|----------------------------|-----|------------|-------------------|--------------------------------|
| 1.  | PX 9-5807  | 9-5807            | Hand torch 70°             | 4.  | PX 9-6001  | 9-6001            | Tip, drag                      |
| 2.  | PX 9-6006  | 9-6006            | Electrode                  |     | PX 9-6500  | 9-6500            | Tip, stand off, long life      |
|     | PX 9-6506  | 9-6506            | Electrode, long life       |     | PX 9-6501  | 9-6501            | Tip, drag, long life           |
| 3.  | PX 9-6007  | 9-6007            | Gas distributor            | 5.  | PX 9-6003  | 9-6003            | Shield cup                     |
|     | PX 9-6507  | 9-6507            | Gas distributor, long life | 6.  | PX 9-6503  | 9-6503            | Shield cup, long life w/9-6003 |

**PCH/M-40 STYLE TORCH HEAD COMPONENTS  
(PAKMASTER® 50XL PLUS)**

Thermal Dynamics Corp.®

| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                    |
|-----|------------|-------------------|----------------------------|-----|------------|-------------------|--------------------------------|
| 1.  | PX 9-6506  | 9-6506            | Electrode, long life       | 4.  | PX 9-6003  | 9-6003            | Shield cup                     |
| 2.  | PX 9-6507  | 9-6507            | Gas distributor, long life | 5.  | PX 9-6503  | 9-6503            | Shield cup, long life w/9-6003 |
| 3.  | PX 9-6500  | 9-6500            | Tip, stand off, long life  |     |            |                   |                                |
|     | PX 9-6501  | 9-6501            | Tip, drag, long life       |     |            |                   |                                |
|     | PX 9-6502  | 9-6502            | Tip, gouging, long life    |     |            |                   |                                |

**PCH/M-51 STYLE TORCH HEAD COMPONENTS  
(4XI, 6XI, PAK® 3XR, PAK® 5XR, PAK® 6XR, PAK® 7XR, PAK® 5XT, PAK® 625XR AND PAK® 750XR)**

| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION           | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION            |
|-----|------------|-------------------|-----------------------|-----|------------|-------------------|------------------------|
| 1.  | PX 9-5635  | 9-5635            | PCH-51 70° torch body | 4.  | PX 8-3321  | 8-3321            | Tip 1.2 - .047         |
| 2.  | PX 8-5525  | 8-5525            | O-ring                |     | PX 9-5631  | 9-5631            | Tip 1.1 - .043         |
| 3.  | PX 9-5633  | 9-5633            | Electrode             |     | PX 9-5724  | 9-5724            | Tip 2.0 - .079 gouging |
|     | PX 9-5720  | 9-5720            | Electrode (4XI)       | 5.  | PX 9-5630  | 9-5630            | Shield cup-ceramic     |
|     |            |                   |                       |     | PX 8-2159  | 8-2159            | Shield cup phenolic    |
|     |            |                   |                       | 6.  | PX 8-5526  | 8-5526            | Crown cup              |

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\* - Not Shown



Replacement Parts Suitable For:  
**Thermal Dynamics Corp.®**

**PROFAX**

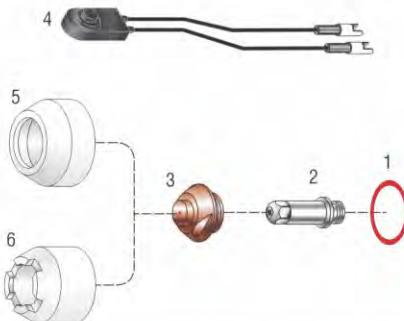
**PCH/M-52 STYLE TORCH HEAD COMPONENTS**  
**(PAK® 5XR DUAL GAS, PAK® 6XR DUAL GAS, PAK® 7XR, PAK® 8XR, PAK® 10XR,  
PAK® 625XR DUAL GAS, PAK® 750XR, PAK® 1000XR, AND PAK® 1250XR)**



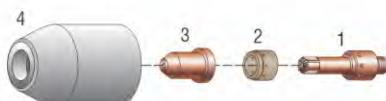
Thermal Dynamics  
Corp.®

| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION               | NO.         | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION        |
|-----|------------|-------------------|---------------------------|-------------|------------|-------------------|--------------------|
| 1.  | PX 9-5642  | 9-5642            | PCH-52 70° torch body     | 5.          | PX 9-5522  | 9-5522            | Switch             |
| 2.  | PX 8-5525  | 8-5525            | O-ring                    | 6.          | PX 9-5617  | 9-5617            | Shield cup-ceramic |
| 3.  | PX 9-5619  | 9-5619            | Electrode - Hf.           | 7.          | PX 9-5694  | 9-5694            | Crown shield cup   |
| 4.  | PX 9-5618  | 9-5618            | Tip 1.1-.043              | * PX 8-4007 | 8-4007     | Tip wrench        |                    |
|     | PX 9-5702  | 9-5702            | Tip 0.8-.031, 35 amp, cut | * PX 9-5620 | 9-5620     | Electrode wrench  |                    |
|     | PX 9-5707  | 9-5707            | Tip 1.2-.047, 70 amp, cut |             |            |                   |                    |
|     | PX 9-5708  | 9-5708            | Tip 1.5-.059, 105 amp     |             |            |                   |                    |

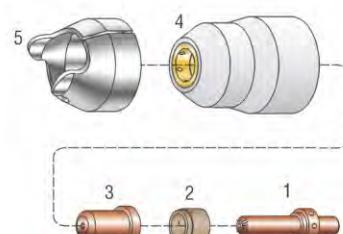
**PCH/M-53 STYLE TORCH HEAD  
COMPONENTS (PAKMASTER® 100)**



**PCH/M-60 STYLE TORCH HEAD COMPONENTS  
(PAKMASTER® 75XL PLUS)**



**PCH/M-62 STYLE TORCH HEAD COMPONENTS  
(PAKMASTER® 50XL PLUS & CUT MASTER 50)**



| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION        | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION     |
|-----|------------|-------------------|--------------------|-----|------------|-------------------|----------------------------|-----|------------|-------------------|-----------------|
| 1.  | PX 8-5525  | 8-5525            | O-ring             | 1.  | PX 8-7502  | 8-7502            | Electrode-Hf.              | 1.  | PX 9-8402  | 9-8402            | Electrode       |
| 2.  | PX 9-5898  | 9-5898            | Electrode, air     | 2.  | PX 8-7501  | 8-7501            | Gas distributor, cutting   | 2.  | PX 9-8407  | 9-8407            | Electrode       |
| 3.  | PX 9-5897  | 9-5897            | Tip, air, 70 amp   | 3.  | PX 8-7508  | 8-7508            | Gas distributor, gouging   | 3.  | PX 9-8401  | 9-8401            | Gas distributor |
| 4.  | PX 9-5522  | 9-5522            | Switch             | 3.  | PX 8-7506  | 8-7506            | Tip, gouging, .073         | 3.  | PX 9-8411  | 9-8411            | Tip, drag       |
| 5.  | PX 9-5617  | 9-5617            | Shield cup ceramic | 3.  | PX 8-7503  | 8-7503            | Tip, cutting, 35 amp, .039 | 3.  | PX 9-8412  | 9-8412            | Tip, stand off  |
| 6.  | PX 9-5694  | 9-5694            | Crown shield cup   | 4.  | PX 9-7726  | 9-7726            | Tip, cutting, 55 amp, .047 | 4.  | PX 9-8400  | 9-8400            | Shield cup      |
|     |            |                   |                    | 4.  | PX 8-7500  | 8-7500            | Shield cup                 | 5.  | PX 9-8415  | 9-8415            | Standoff        |

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\* - Not Shown



Replacement Parts Suitable For:  
**Thermal Dynamics Corp.**®

**PROFAX**

**PCH-75/PCH-100XL STYLE TORCH HEAD COMPONENTS  
(PAKMASTER® 75, PAKMASTER® 75XL, PAKMASTER® 100XL, PAKMASTER® 100XL PLUS, ECONO PAK 100)**

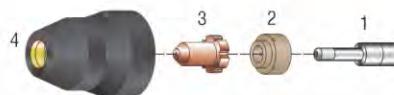
| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION              | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION               |
|-----|------------|-------------------|--------------------------|-----|------------|-------------------|---------------------------|
| 1.  | PX 8-7510  | 8-7510            | Hand torch head 70°      | 4.  | PX 8-7503  | 8-7503            | Tip cutting 35 amp - .039 |
| 2.  | PX 8-7502  | 8-7502            | Electrode - Hf.          |     | PX 8-7504  | 8-7504            | Tip cutting 55 amp - .046 |
| 3.  | PX 8-7501  | 8-7501            | Gas distributor, cutting |     | PX 8-7505  | 8-7505            | Tip cutting 70 amp - .052 |
|     | PX 8-7508  | 8-7508            | Gas distributor, gouging |     | PX 8-7506  | 8-7506            | Tip gouging - .073        |
|     |            |                   |                          | 5.  | PX 8-7500  | 8-7500            | Shield cup                |

**PCH/M-80 STYLE TORCH HEAD COMPONENTS (PAKMASTER® 100XL PLUS)**



| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                   | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                              |
|-----|------------|-------------------|-------------------------------|-----|------------|-------------------|--|
| 1.  | PX 8-7502  | 8-7502            | Electrode, Air/N <sub>2</sub> |     | PX 8-7504  | 8-7504            | Tip, cutting, 55 amp, Air/N <sub>2</sub> |
| 2.  | PX 8-7501  | 8-7501            | Gas distributor, cutting      |     | PX 9-7728  | 9-7728            | Tip, cutting, 80 amp, Air/N <sub>2</sub> |
|     | PX 8-7508  | 8-7508            | Gas distributor, gouging      | 4.  | PX 8-7500  | 8-7500            | Shield cup                               |
| 3.  | PX 8-7506  | 8-7506            | Tip, gouging                  |     | PX 8-7507  | 8-7507            | Shield cup, crown                        |
|     | PX 8-7503  | 8-7503            | Tip, cutting, 35 amp, drag    |     | PX 9-7501  |                   | Spring-shield cup (PROFAX cups only)     |

**PCM-25/38 STYLE TORCH HEAD COMPONENTS (DRAG GUN 38 AND PAKMASTER® 38XL)**

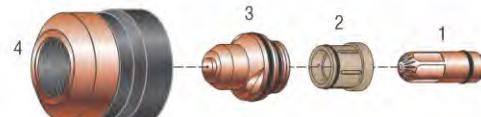


| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION          |
|-----|------------|-------------------|----------------------------|-----|------------|-------------------|----------------------|
| 1.  | PX 9-6506  | 9-6506            | Electrode, long life       | 3.  | PX 9-6501  | 9-6501            | Tip, drag, long life |
| 2.  | PX 9-6507  | 9-6507            | Gas distributor, long life | 4.  | PX 9-6003  | 9-6003            | Shield cup           |

**PCH/M-102 STYLE TORCH HEAD COMPONENTS  
(75XL PLUS 60 AMP, 100XL PLUS 80 AMP AND CUTMASTER 75)**



**PCH-120 STYLE TORCH HEAD COMPONENTS  
(PAKMASTER 150XL)**



| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                           | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION     |
|-----|------------|-------------------|---------------------------------------|-----|------------|-------------------|-----------------|
| 1.  | PX 9-8402  | 9-8402            | Electrode                             | 1.  | PX 20-1210 | 20-1210           | Electrode       |
|     | PX 9-8407  | 9-8407            | Electrode, extended life              | 2.  | PX 20-1215 | 20-1215           | Gas distributor |
| 2.  | PX 8-7501  | 8-7501            | Gas distributor, cutting              | 3.  | PX 20-1220 | 20-1220           | Tip, 35 amp     |
|     | PX 8-7508  | 8-7508            | Gas distributor, gouging              |     | PX 20-1221 | 20-1221           | Tip, 70 amp     |
| 3.  | PX 8-7503  | 8-7503            | Tip, cutting, 40 amp                  |     | PX 20-1222 | 20-1222           | Tip, 120 amp    |
|     | PX 8-7506  | 8-7506            | Tip, gouging                          |     |            |                   |                 |
|     | PX 9-7726  | 9-7726            | Tip, cutting, 60 amp                  |     |            |                   |                 |
|     | PX 9-7728  | 9-7728            | Tip cutting, 80 amp (100XL PLUS only) |     |            |                   |                 |
|     | PX 9-8406  | 9-8406            | Tip, 100 amp                          |     |            |                   |                 |
| 4.  | PX 8-7500  | 8-7500            | Shield cup, cutting                   | 4.  | PX 20-1225 | 20-1225           | Shield cup      |
|     | PX 8-7507  | 8-7507            | Shield cup, crown                     |     |            |                   |                 |

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\* - Not Shown

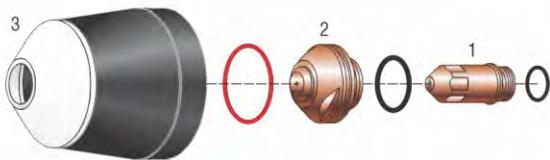
Thermal Dynamics  
Corp.®



Replacement Parts Suitable For:  
**Thermal Dynamics Corp.®**

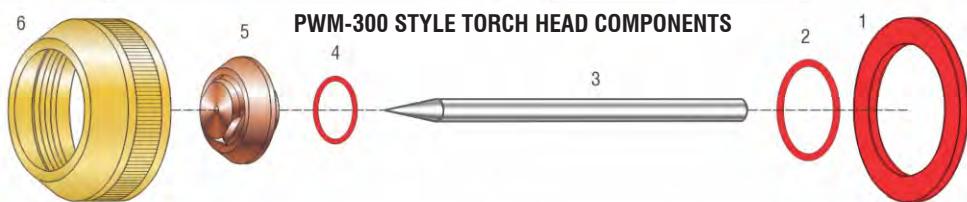
**PROFAX**

PCH/M-150 STYLE TORCH HEAD COMPONENTS (MERLIN PAK® 15XC)



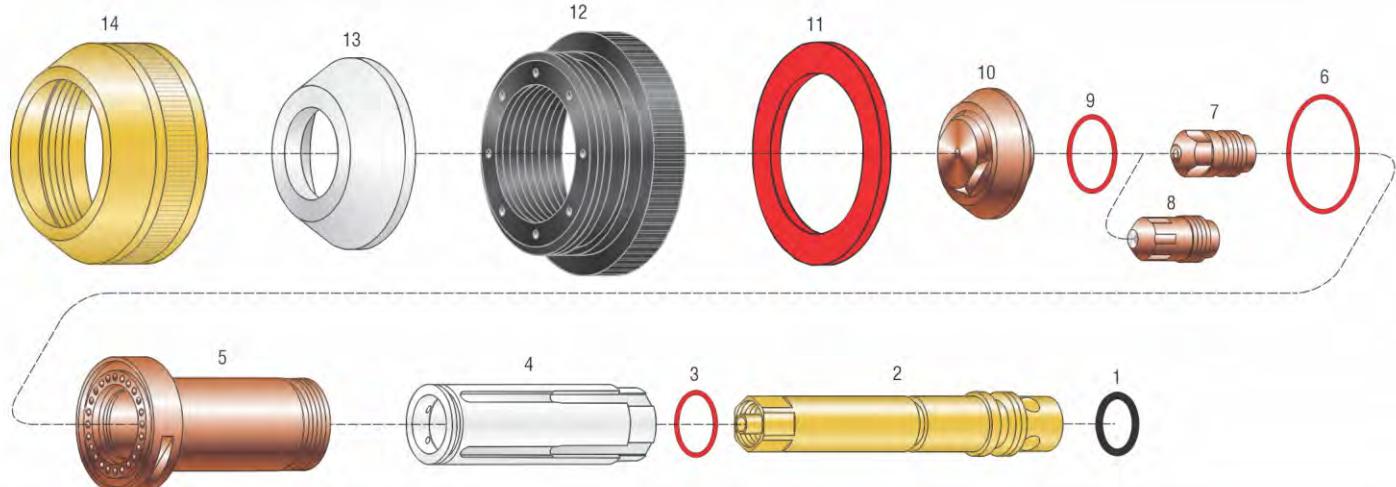
| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                 | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION          |
|-----|------------|-------------------|-----------------------------|-----|------------|-------------------|----------------------|
| 1.  | PX 9-5749  | 9-5749            | Electrode (Air)             | 3.  | PX 9-5750  | 9-5750            | Shield cup (ceramic) |
|     | PX 9-5760  | 9-5760            | Electrode (O <sub>2</sub> ) |     |            |                   |                      |

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| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                                     |
|-----|------------|-------------------|-------------|-----|------------|-------------------|---|
| 1.  | PX 8-6512  | 8-6512            | Gasket      | 5.  | PX 8-6575  | 8-6575            | Tip .093, 200 amp                               |
| 2.  | PX 9-2956  | 9-2956            | O-ring      |     | PX 8-6582  | 8-6582            | Tip .113, 250 amp                               |
| 3.  | PX 9-1827  | 9-1827            | Electrode   |     | PX 8-6572  | 8-6572            | Tip .125, 400 amp                               |
| 4.  | PX 9-2863  | 9-2863            | O-ring      |     |            |                   | (Included with each tip 9-2863 & 9-2956 O-ring) |
|     |            |                   |             | 6.  | PX 8-6515  | 8-6515            | End cap   |

6B STYLE TORCH HEAD COMPONENTS (PAK® 44 & PAK® 45)



| NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                       | NO. | PROFAX NO. | THERMAL DYNAMICS® | DESCRIPTION                                      |
|-----|------------|-------------------|-----------------------------------|-----|------------|-------------------|--|
| 1.  | PX 8-0527  | 8-0527            | O-ring                            |     | PX 8-6582  | 8-6582            | Tip .113, 300 amp                                |
| 2.  | PX 8-6615  | 8-6615            | Electrode holder w/9-2960, 8-0527 |     | PX 8-6572  | 8-6572            | Tip .125, 400 amp                                |
| 3.  | PX 9-2960  | 9-2960            | O-ring                            |     |            |                   | (Included with each tip 9-2863 & 9-2956 O-rings) |
| 4.  | PX 8-6569  | 8-6569            | Gas distributor w/8-3146          | 11. | PX 8-6512  | 8-6512            | Gasket   |
| 5.  | PX 8-6571  | 8-6571            | Liner w/8-0531 & 9-2956           | 12. | PX 8-6581  | 8-6581            | Outer insulator                                  |
| 6.  | PX 9-2956  | 9-2956            | O-ring                            | 13. | PX 8-6514  | 8-6514            | End piece  |
| 7.  | PX 8-6578  | 8-6578            | Electrode, general purpose        | 14. | PX 8-6515  | 8-6515            | End cap  |
| 8.  | PX 8-6586  | 8-6586            | Electrode lo-amp                  | *   | PX 8-4025  | 8-4025            | Lubricant  |
| 9.  | PX 9-2863  | 9-2863            | O-ring                            | *   | PX 8-6629  | 8-6629            | Tip  |
| 10. | PX 8-6580  | 8-6580            | Tip .067, 100 amp                 |     |            |                   |  |
|     | PX 8-6575  | 8-6575            | Tip .093, 200 amp                 |     |            |                   |  |

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NOTE: 7-2850 coolant  
1 gal. containers  
4 gal. standard carton

\* - Not Shown

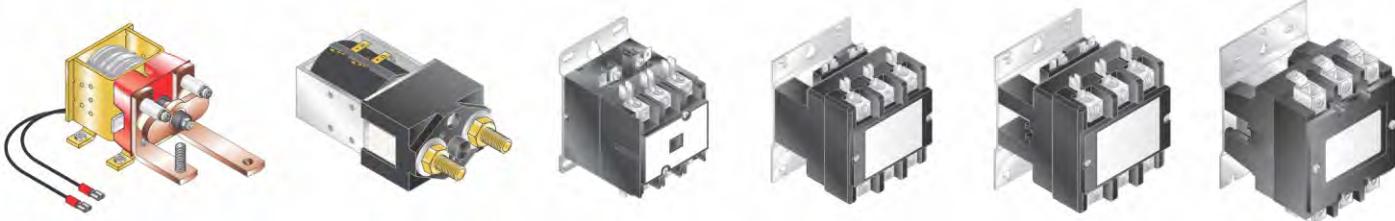


# Welding Equipment Contactors

**PROFAX**

SUITABLE REPLACEMENTS FOR MOST MAKES AND MODELS OF WELDING EQUIPMENT

## PRODUCT INFORMATION MANUAL



**HOBART®/THERMAL ARC® LINCOLN®/MILLER® SPST  
300 AMP 250 AMP**

- 40, 50, 60, 75, 90, 120 & 250 AMP SIZES
- 1, 2, 3, & 4 POLE

**40 AMP**

**50 - 60 AMP**

**75 & 90 AMP**

**120 AMP**

- STANDARD MOUNTING PLATES
- AVAILABLE WITH N.O. & N.C. AUXILIARY SWITCHES

- 24 or 120 VOLT AC COIL OPERATION

### CONTACTOR

To order a contactor either choose from the reference list or supply the following information:  
(This information can be obtained from the original contactor ID tag)

### ORDERING

- Amperage Rating
- Number of Poles
- Coil Voltage
- Auxiliary Switches (Specify number of switches by adding suffix number from the auxiliary switch chart to the end of the contactor part number.)

### INFORMATION

If the above information is not obtainable please supply "PROFAX" with the original equipment manufacturer's name, model, serial number and (if applicable) the code number of the welding equipment the replacement contactor is to be used in.  
With this information the "PROFAX" technical department will recommend a suitable contactor.

### SELECTION TABLE

| Coil Voltages of 24, 110/120, 208/240 are available for all contactors.  |                |            |         | CONTACTOR AMP RATING | NO. OF POLES | COIL VOLTAGE   | PROFAX |                |  |   |    |   |    |        |
|--|----------------|------------|---------|----------------------|--------------|----------------|--------|----------------|--|---|----|---|----|--------|
|  <p><b>FITS PROFAX CONTACTORS ONLY</b></p> <p><b>POLE LINKS</b></p> <p>Pole links are available for the 40, 50, &amp; 60 amp three pole contactors only.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>POLE LINKS</th> <th>CONTACTORS</th> </tr> </thead> <tbody> <tr> <td>433JL</td> <td>40 Amp, 3 pole</td> </tr> <tr> <td>533JL</td> <td>50 Amp, 3 pole</td> </tr> <tr> <td>633JL</td> <td>60 Amp, 3 pole</td> </tr> </tbody> </table> <p><b>POLE LINKS ARE SOLD AS A SET OF TWO.</b></p> | POLE LINKS     | CONTACTORS | 433JL   | 40 Amp, 3 pole       | 533JL        | 50 Amp, 3 pole | 633JL  | 60 Amp, 3 pole | <p>40</p> <p>50</p> <p>60</p> <p>75</p> <p>90</p> <p>120</p> | 2 | 24 | 2 | 24 | 633U10 |
| POLE LINKS   | CONTACTORS     |            |         |                      |              |                |        |                |  |   |    |   |    |        |
| 433JL  | 40 Amp, 3 pole |            |         |                      |              |                |        |                |  |   |    |   |    |        |
| 533JL  | 50 Amp, 3 pole |            |         |                      |              |                |        |                |  |   |    |   |    |        |
| 633JL  | 60 Amp, 3 pole |            |         |                      |              |                |        |                |  |   |    |   |    |        |
| 2  | 110/120        | 633U20     |         |                      |              |                |        |                |  |   |    |   |    |        |
| 2  | 208/240        | 633U30     |         |                      |              |                |        |                |  |   |    |   |    |        |
| 3  | 24             | 633U10     |         |                      |              |                |        |                |  |   |    |   |    |        |
| 3  | 110/120        | 633U20     |         |                      |              |                |        |                |  |   |    |   |    |        |
| 3  | 208/240        | 633U30     |         |                      |              |                |        |                |  |   |    |   |    |        |
| 2  | 24             | 2          | 730U10  |                      |              |                |        |                |  |   |    |   |    |        |
|  |                | 2          | 110/120 | 730U20               |              |                |        |                |  |   |    |   |    |        |
|  |                | 3          | 24      | 730U10               |              |                |        |                |  |   |    |   |    |        |
|  |                | 3          | 110/120 | 730U20               |              |                |        |                |  |   |    |   |    |        |
| 2  | 110/120        | 2          | 110/120 | 937U20               |              |                |        |                |  |   |    |   |    |        |
|  |                | 3          | 110/120 | 937U20               |              |                |        |                |  |   |    |   |    |        |
| 2  | 110/120        | 2          | 110/120 | 1230U20              |              |                |        |                |  |   |    |   |    |        |
|  |                | 3          | 110/120 | 1230U20              |              |                |        |                |  |   |    |   |    |        |

### Auxiliary Switches (for PROFAX Contactors Only.)

| CONTACTORS         | PROFAX PART NO. | P/N SUFFIX | Contacts |      | NO. OF KITS |  <p>HCCY1Z600VQ<br/>10 AMP 600 VAC</p> <p>NO      NC</p> <p>C4311</p> |
|--------------------|-----------------|------------|----------|------|-------------|--|
|                    |                 |            | N.O.     | N.C. |             |  |
| 40 through 60 AMP  | 34300S332       | S3<br>S6   | 1        | 1    | 1           |  |
|                    |                 |            | 2        | 2    | 2           |  |
| 75 through 120 AMP | 34300S337       | S7<br>S8   | 1        | 1    | 1           |  |
|                    |                 |            | 2        | 2    | 2           |  |

AFFIX THE P/N SUFFIX TO THE END OF THE CONTACTOR PART NUMBER TO ADD THE CORRECT AUXILIARY SWITCH OR SWITCHES.



## Contactors

## Numerical Listing

**PROFAX**

|              | MFR. P/N  | MODEL         | PROFAX    |         | MFR. P/N | MODEL           | PROFAX  |
|--------------|-----------|---------------|-----------|---------|----------|-----------------|---------|
| HOBART®      | 035519    | Betamig 1800  | 533U10'   | MILLER® | 034646   | CP250TS/SM      | 533U10  |
|              | 160760    | Cyberweld 302 | 533U10    |         | "        | CP300TS/SM      | 533U10  |
|              | 160760    | Cyberflex 302 | 533U10    |         | "        | SCP200          | 533U10  |
|              | 160793    | Cyberflex 452 | 633U10    |         | 034652   | MP65E           | 633U20  |
|              | 160793    | Cyberweld 452 | 633U10    |         | "        | FC6E            | 633U20  |
|              | 160794    | Cyberweld 652 | 730U10    |         | "        | FC65E           | 633U20  |
|              | 170303    | HEFTY         | 6431      |         | "        | 320A/BP         | 633U20  |
|              | 870202    | HEFTY II      | 6431      |         | "        | 330A/BP         | 633U20  |
|              |           |               |           |         | "        | 340A/BP         | 633U20  |
|              |           |               |           |         | 034653   | 320A/BP         | 633U20  |
| HYPERTHERM®  | 003053    | HT40C         | 438U10    |         | "        | 330A/BP         | 633U20  |
|              | "         | MAX40         | 438U10    |         | "        | 360A/BP         | 633U20  |
|              | "         | MAX40CS       | 438U10    |         | 034655   | CP750E          | 730U20  |
|              | 003059    | HT40C         | 438U10S3* |         | "        | FC75E           | 730U20  |
|              | "         | MAX40         | 438U10S3* |         | "        | MP75E           | 730U20  |
|              | "         | MAX40CS       | 438U10    |         | 034875   | CP200           | 633U20  |
|              | 003062    | HT40C         | 438U10    |         | "        | MP30E           | 633U20  |
|              | "         | MAX40         | 438U10    |         | "        | SCP200          | 633U20  |
|              | 003066    | MAX100        | 633U10    |         | "        | SR150           | 633U20  |
|              | "         | MAX100        | 633U10S3* |         | 034909   | 320A/BP         | 633U20  |
| L-TEC/LINDE® | 003073    | HT40C         | 438U10    |         | "        | 330A/BP         | 633U20  |
|              | "         | MAX40         | 438U10    |         | 035519   | Millermatic 35  | 533U10' |
|              | 003092    | MAX200        | 937U10S3  |         | "        | Millermatic 185 | 533U10' |
|              | 003139    | HT2000        | 937U20    |         | "        | PLAZCUT         | 438U10  |
|              | 003153    | MAX100        | 633U10    |         | "        | Spectrum 500    | 438U10  |
|              | "         | MAX100        | 633U10S3* |         | "        | 320A/BP         | 633U20  |
|              | 639526    | VI 1000       | 1230U20   |         | 035729   | 330A/BP         | 633U20  |
|              | "         | VI 1200       | 1230U20   |         | "        | CP200           | 633U20  |
|              | 672162    | VI 205        | 533U20S6" |         | 035732   | CP250TS/SM      | 633U20  |
|              | "         | VI 252        | 533U20    |         | "        | CP300TS/SM      | 633U20  |
| LINCOLN®     | "         | VI 253        | 533U20    |         | "        | SR150           | 633U20  |
|              | 672669    | CC400SS       | 533U20    |         | 085002   | CP300           | 730U20  |
|              | "         | CC 600        | 533U20    |         | 088057   | Millermatic 200 | 633U20' |
|              | "         | NAW 200       | 533U20    |         | "        | 320A/BP         | 633U20  |
|              | "         | PCM 6         | 533U20    |         | "        | 330A/BP         | 633U20  |
|              | "         | SE 300        | 533U20    |         | "        | 330ST           | 633U20  |
|              | "         | SE 400        | 533U20    |         | 097995   | HF250           | 6428    |
|              | "         | SVI 600       | 533U20    |         | "        | HF251D1         | 6428    |
|              | "         | SVI 650       | 533U20    |         | 108358   | MM150           | 438U10' |
|              | "         | VI 402        | 533U20    |         | "        | XMT200          | 438U10  |
| MILLER®      | "         | VI 600        | 533U20    |         | 110361   | SP32P12         | 6427    |
|              | "         | VI 605        | 533U20    |         | "        | SUPER32         | 6427    |
|              | "         | VI 650        | 533U20    |         | 114729   | 330A/BP         | 633U20  |
|              | "         | VI 650SS      | 533U20    |         | 114780   | CP300           | 633U20  |
|              | "         | VI 650DV      | 533U20    |         | "        | DIALARC HF      | 633U20' |
|              | 673458    | 3 IN 1        | 533U20    |         | "        | Millermatic 200 | 633U20' |
|              | "         | VI 206        | 533U20    |         | "        | Regency 200     | 633U20' |
|              | "         | VI 400        | 533U20    |         | "        | Spectrum 750    | 633U20  |
|              | "         | VI 450        | 533U20    |         | "        | Spectrum 1000   | 633U20  |
|              | 673502    | VI 800        | 730U20    |         | "        | Spectrum 1500   | 633U20  |
| MILLER®      | "         | VCR 801       | 730U20    |         | "        | Vintage         | 633U20  |
|              | 678069    | HELI-250HF    | 533U20    |         | "        | 320A/BP         | 633U20  |
|              | 678122    | V 160         | 533U20*   |         | 114781   | 330A/BP         | 633U20  |
|              | 950368    | DIP-PAK 225   | 533U20'   |         | "        | Deltaweld 302   | 533U10  |
|              | 1373-4781 | DIP-PAK 250   | 533U10#   |         | 124886   | Spectrum 750    | 633U10  |
|              | "         | SP200         | 533U20    |         | "        | Spectrum 1000   | 633U10  |
|              | M12161-19 | R3R400        | 530-8026B |         | "        | Spectrum 1500   | 633U10  |
|              | M12161-21 | CV400         | 730-8025B |         | 128570   | 320A/BP         | 633U20  |
|              | "         | DC400         | 730-8025B |         | "        | 330A/BP         | 633U20  |
|              | "         | R3R500        | 730-8025B |         | "        | 340A/BP         | 633U20  |
| MILLER®      | M12161-28 | DC600         | 730-8029B |         | 132889   | MAXTRON 450     | 533U10  |
|              | M12161-59 | R3R400        | 530-8026B |         | "        | XMT300          | 533U10  |
|              | M12161-61 | CV400         | 730-8025B |         | 137902   | 320A/BP         | 633U20  |
|              | "         | DC400         | 730-8025B |         | "        | 330A/BP         | 633U20  |
|              | "         | R3R500        | 730-8025B |         | "        | 340A/BP         | 633U20  |
|              | M12161-67 | SP200         | 533U20    |         | 138035   | 8VS-12VS        | 6427    |
|              | M12161-68 | DC600         | 730-8029B |         | 139091   | MAXTRON 300     | 438U10  |
|              | M15308-1  | LN25          | 6429      |         | 145407   | XMT200          | 438U10  |
|              | M15308-2  | LN25          | 6429      |         | 160760   | Deltaweld 302   | 533U10  |
|              | "         | Regency 350   | 730U20    |         | "        | Dimension 302   | 533U10  |
| MILLER®      | 003708    | MP45E         | 730U20    |         | "        | Goldstar 302    | 533U10  |
|              | "         | DIALARC HF    | 730U20    |         | "        | Deltaweld 452   | 633U10  |
|              | 032786    | CP300         | 730U20    |         | 160793   | Dimension 452   | 633U10  |
|              | (177551)  | FC4E          | 730U20    |         | "        | Goldstar 452    | 633U10  |
|              | "         | FC65E         | 730U20    |         | 160794   | Deltaweld 652   | 730U10  |
|              | "         | MP45E         | 730U20    |         | "        | Dimension 652   | 730U10  |
|              | "         | MP65E         | 730U20    |         | "        | Goldstar 652    | 730U10  |
|              |           |               |           |         | 186355   | Vintage         | 633U20' |
|              |           |               |           |         |          |                 |         |
|              |           |               |           |         |          |                 |         |

\*-Requires pole links • \*-Confirm if auxiliary switch is required • #\*-Confirm correct coil voltage



# Contactors

**PROFAX**

|                     | MFR. P/N        | MODEL            | PROFAX              |                     | MFR. P/N | MODEL            | PROFAX              |
|---------------------|-----------------|------------------|---------------------|---------------------|----------|------------------|---------------------|
| <b>MILLER®</b>      | 186355          | Regency 250      | 633U20 <sup>†</sup> | <b>THERMAL ARC®</b> | 870133   | Hefty & Hefty II | 6431                |
|                     | 189486          | Millermatic 185  | 533U10 <sup>†</sup> |                     | 8-1373   | MERLIN           | 438U10              |
|                     | "               | Millermatic 210  | 533U10 <sup>†</sup> |                     | "        | PAK10            | 438U10              |
|                     | 195568          | Vintage          | 633U20 <sup>†</sup> |                     | 8-1373   | PAK44            | 438U10              |
|                     | "               | Regency 250      | 633U20 <sup>†</sup> |                     | 8-5143   | MERLIN           | 438U10              |
|                     | 224039          | Extreme          | 6427                |                     | 9-1028   | 2XT              | 438U10S3            |
|                     | 224697          | Extreme          | 6427                |                     | 9-1038   | 2XT              | 438U10 <sup>†</sup> |
|                     | 605855 (188633) | CP200            | 633U20              |                     | 9-1067   | 5XT              | 533U10              |
|                     | "               | CP250TS/SM       | 633U20              |                     | "        | PAK8XR           | 533U10              |
|                     | "               | CP300TS/SM       | 633U20              |                     | 9-1244   | Signature 1000   | 533U10              |
|                     | "               | MK VIII-2        | 633U20              |                     | 9-5586   | MERLIN           | 730U20              |
|                     | "               | MP30E            | 633U20              |                     | "        | 5XT              | 438U10              |
|                     | "               | PLAZCUT          | 633U20              |                     | "        | PAK5XR           | 438U10              |
|                     | "               | SCP200           | 633U20              |                     | "        | PAK7XR           | 438U10              |
|                     | "               | SR150            | 633U20              |                     | "        | PAK8XR           | 438U10              |
|                     | "               | Spectrum 500     | 633U20              |                     | "        | PAK10XR          | 438U10              |
|                     | "               | Spectrum 750     | 633U20              |                     | "        | Signature 625    | 438U10              |
|                     | "               | Spectrum 1000    | 633U20              |                     | "        | Signature 750    | 438U10              |
|                     | "               | Spectrum 1500    | 633U20              |                     | "        | Signature 1000   | 438U10              |
| <b>THERMAL ARC®</b> | 870202          | Hefty & Hefty II | 6431                |                     | "        | Signature 1250   | 438U10              |

## Model Listing

|                     | MODEL         | MFR. P/N  | PROFAX                |                 | MODEL          | MFR. P/N        | PROFAX              |
|---------------------|---------------|-----------|-----------------------|-----------------|----------------|-----------------|---------------------|
| <b>HOBART®</b>      | Betamig 1800  | 035519    | 533U10 <sup>†</sup>   | <b>LINCOLN®</b> | CV400          | M12161-21       | 730-8025B           |
|                     | Cyberflex 302 | 160760    | 533U10                |                 | "              | M12161-61       | 730-8025B           |
|                     | Cyberflex 452 | 160793    | 633U10                |                 | DC400          | M12161-21       | 730-8025B           |
|                     | Cyberweld 302 | 160760    | 533U10                |                 | "              | M12161-61       | 730-8025B           |
|                     | Cyberweld 452 | 160793    | 633U10                |                 | DC600          | M12161-28       | 730-8029B           |
|                     | Cyberweld 652 | 160794    | 730U10                |                 | "              | M12161-68       | 730-8029B           |
|                     | HEFTY         | 170303    | 6431                  |                 | LN25           | M15308-1        | 6429                |
|                     | HEFTY II      | 870202    | 6431                  |                 | R3R400         | M12161-19       | 530-8026B           |
|                     | HT40C         | 003053    | 438U10                |                 | "              | M12161-59       | 530-8026B           |
|                     | "             | 003059    | 438U10S3              |                 | R3R500         | M12161-21       | 730-8025B           |
|                     | "             | 003062    | 438U10                |                 | "              | M12161-61       | 730-8025B           |
|                     | "             | 003073    | 438U10                |                 | SP200          | M12161-27       | 533U20              |
|                     | HT2000        | 003139    | 937U20                |                 | "              | M12161-67       | 533U20              |
|                     | MAX40         | 003053    | 438U10                |                 | "              | M15308-2        | 6429                |
|                     | "             | 003059    | 438U10S3              |                 |                |                 |                     |
|                     | "             | 003062    | 438U10                |                 |                |                 |                     |
|                     | "             | 003073    | 438U10                |                 |                |                 |                     |
|                     | MAX40CS       | 003053    | 438U10                |                 |                |                 |                     |
|                     | "             | 003059    | 438U10                |                 |                |                 |                     |
|                     | MAX100        | 003066    | 633U10                |                 |                |                 |                     |
|                     | "             | 003066    | 633U10S3*             |                 |                |                 |                     |
|                     | "             | 003153    | 633U10                |                 |                |                 |                     |
|                     | "             | 003153    | 633U10S3*             |                 |                |                 |                     |
|                     | MAX200        | 003092    | 937U10S3              |                 |                |                 |                     |
| <b>L-TEC/LINDE®</b> | 3 IN 1        | 673458    | 533U20                | <b>MILLER®</b>  | 320 & 330 A/BP | 034652          | 633U20              |
|                     | CC400SS       | 672669    | 533U20                |                 | "              | 034653          | 633U20              |
|                     | CC600         | 672669    | 533U20                |                 | "              | 034909          | 633U20              |
|                     | DIP-PAK 225   | 950368    | 533U20 <sup>†</sup>   |                 | DC600          | 035729          | 633U20              |
|                     | DIP-PAK 250   | 1373-4781 | 533U10 <sup>†</sup>   |                 | "              | 088057          | 633U20              |
|                     | HELI-250HF    | 678069    | 533U20                |                 | "              | 114729          | 633U20              |
|                     | NAW200        | 672669    | 533U20                |                 | "              | 114781          | 633U20              |
|                     | PCM 6         | 672669    | 533U20                |                 | "              | 128570          | 633U20              |
|                     | SE 300        | 672669    | 533U20                |                 | "              | 138035          | 6427                |
|                     | SE 400        | 672669    | 533U20                |                 | CP200          | 034875          | 633U20              |
|                     | SVI 600       | 672669    | 533U20                |                 | "              | 035732          | 633U20              |
|                     | SVI 650       | 672669    | 533U20                |                 | "              | 605855 (188633) | 633U20              |
|                     | VCR801        | 673502    | 730U20                |                 | CP300          | 032786          | 730U20              |
|                     | V 160         | 678122    | 533U20 <sup>†</sup>   |                 | "              | 085002          | 730U20              |
|                     | VI 205        | 672162    | 533U20S6 <sup>†</sup> |                 | "              | 114780          | 633U20              |
|                     | VI 206        | 673458    | 533U20                |                 | CP250TS/SM     | 034646          | 533U10              |
|                     | VI 252        | 672162    | 438U20                |                 | "              | 035732          | 633U20              |
|                     | VI 253        | 672162    | 438U20                |                 | "              | 605855 (188633) | 633U20              |
|                     | VI 400        | 673458    | 533U20                |                 | CP300TS/SM     | 034646          | 533U10              |
|                     | VI 402        | 672669    | 533U20                |                 | "              | 035732          | 633U20              |
|                     | VI 450        | 673458    | 533U20                |                 | "              | 605855 (188633) | 633U20              |
|                     | VI 600        | 672669    | 533U20                |                 | CP750E         | 034655          | 730U20              |
|                     | VI 605        | 672669    | 533U20                |                 | Deltaweld 302  | 160760          | 533U10              |
|                     | VI 650        | 672669    | 533U20                |                 | Deltaweld 452  | 160793          | 633U10              |
|                     | VI 650DV      | 672669    | 533U20                |                 | Deltaweld 652  | 160794          | 730U10              |
|                     | VI 650SS      | 672669    | 533U20                |                 | DIALARC HF     | 032786          | 730U20              |
|                     | VI 800        | 673502    | 730U20                |                 | "              | 177551          | 730U20              |
|                     | VI 1000       | 639526    | 1230U20               |                 | "              | 114780          | 633U20 <sup>†</sup> |
|                     | VI 1200       | 639526    | 1230U20               |                 | Dimension 302  | 160760          | 533U10              |



## Contactors

**PROFAX**

|                | MODEL           | MFR. P/N        | PROFAX              |                          | MODEL            | MFR. P/N | PROFAX   |
|----------------|-----------------|-----------------|---------------------|--------------------------|------------------|----------|----------|
| <b>MILLER®</b> | FC75E           | 034655          | 730U20              | <b>THERMAL ARC®</b>      | Hefty & Hefty II | 870202   | 6431     |
|                | FC75E           | 032786          | 730U20              |                          | Hefty & Hefty II | 870133   | 6431     |
|                | Goldstar 302    | 160760          | 533U10              | <b>THERMAL DYNAMICS®</b> | 2XT              | 9-1028   | 438U10S3 |
|                | Goldstar 452    | 160793          | 633U10              |                          | "                | 9-1038   | 438U10   |
|                | Goldstar 652    | 160794          | 730U10              |                          | 5XT              | 9-1067   | 533U10   |
|                | HF250           | 097995          | 6428                |                          | "                | 9-5586   | 438U10   |
|                | HF251D1         | 097995          | 6428                | <b>MERLIN</b>            | 8-1373           | 438U10   |          |
|                | MK VIII-2       | 605855 (188633) | 633U20              |                          | "                | 8-5143   | 438U10   |
|                | Maxtron 300     | 139091          | 438U10              |                          | "                | 9-1244   | 730U20   |
|                | Maxtron 450     | 132889          | 533U10              | <b>PAK10</b>             | 8-1373           | 438U10   |          |
|                | Millermatic 35  | 035519          | 533U10 <sup>1</sup> | <b>PAK44</b>             | 8-1373           | 438U10   |          |
|                | Millermatic 185 | 035519          | 533U10 <sup>1</sup> | <b>PAK5XR</b>            | 9-5586           | 438U10   |          |
|                | Millermatic 200 | 085002          | 633U20 <sup>1</sup> | <b>PAK7XR</b>            | 9-5586           | 438U10   |          |
|                | "               | 114780          | 633U20 <sup>1</sup> | <b>PAK8XR</b>            | 9-1067           | 533U10   |          |
|                | Millermatic 210 | 189486          | 533U10 <sup>1</sup> | <b>PAK8XR</b>            | 9-5586           | 438U10   |          |
|                | MM150           | 108358          | 438U10 <sup>1</sup> | <b>PAK10XR</b>           | 9-5586           | 438U10   |          |
|                | MP30E           | 034875          | 633U20              | <b>Signature 625</b>     | 9-5586           | 438U10   |          |
|                | "               | 605855 (188633) | 633U20              | <b>Signature 750</b>     | 9-5586           | 438U10   |          |
|                | MP45E           | 003708          | 730U20              | <b>Signature 1000</b>    | 9-1067           | 533U10   |          |
|                | "               | 032786          | 730U20              | <b>Signature 1000</b>    | 9-5586           | 438U10   |          |
|                | MP65E           | 034652          | 633U20              | <b>Signature 1250</b>    | 9-5586           | 438U10   |          |
|                | "               | 032786          | 633U20              |                          |                  |          |          |
|                | MP75E           | 034655          | 730U20              |                          |                  |          |          |
|                | PLAZCUT         | 035519          | 533U10              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Regency         | 186355          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | Regency 200     | 114780          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | Regency 250     | 186355          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | Regency 350     | 003708          | 730U20              |                          |                  |          |          |
|                | S32P12          | 192809          | 6427                |                          |                  |          |          |
|                | SUPER 32        | 192809          | 6427                |                          |                  |          |          |
|                | SR150           | 035732          | 633U20              |                          |                  |          |          |
|                | "               | 034875          | 633U20              |                          |                  |          |          |
|                |                 | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | SCP200          | 034646          | 533U10              |                          |                  |          |          |
|                | "               | 034875          | 633U20              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Spectrum 500    | 035519          | 533U10              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Spectrum 750    | 114780          | 633U20              |                          |                  |          |          |
|                | "               | 124886          | 633U10              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Spectrum 1000   | 114780          | 633U20              |                          |                  |          |          |
|                | "               | 124886          | 633U10              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Spectrum 1500   | 114780          | 633U20              |                          |                  |          |          |
|                | "               | 124886          | 633U10              |                          |                  |          |          |
|                | "               | 605855 (188633) | 633U20              |                          |                  |          |          |
|                | Vintage         | 186355          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | "               | 114780          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | "               | 195568          | 633U20 <sup>1</sup> |                          |                  |          |          |
|                | XMT200          | 108358          | 438U10              |                          |                  |          |          |
|                | "               | 145407          | 438U10              |                          |                  |          |          |
|                | XMT300          | 132889          | 533U10              |                          |                  |          |          |

<sup>1</sup>-Requires pole links

\*-Confirm if auxiliary switch is required

<sup>\*</sup>-Confirm correct coil voltage

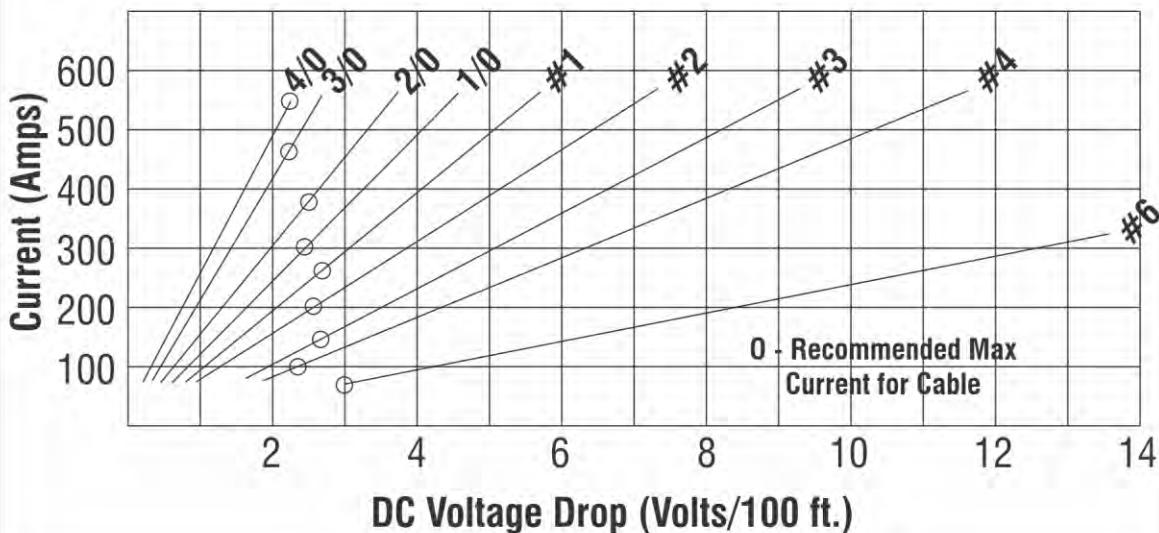
**RECOMMENDED COPPER WELDING CABLE SIZES**

Cable Sizes for Combined Lengths of Electrode and Work Cables

| <b>AMPS</b> | <b>% DUTY CYCLE</b> | <b>0 - 50 ft.</b> | <b>50 - 100 ft.</b> | <b>100 - 150 ft.</b> | <b>150 - 200 ft.</b> |
|-------------|---------------------|-------------------|---------------------|----------------------|----------------------|
| 100         | 20                  | 8                 | 4                   | 3                    | 2                    |
| 150         | 40                  | 6                 | 5                   | 3                    | 2                    |
| 225         | 20                  | 4                 | 3                   | 2                    | 1                    |
| 250         | 40                  | 2                 | 2                   | 1                    | 1                    |
| 300         | 60                  | 1/0               | 1/0                 | 1/0                  | 2/0                  |
| 350         | 60                  | 1/0               | 1/0                 | 2/0                  | 2/0                  |
| 400         | 60                  | 2/0               | 2/0                 | 2/0                  | 3/0                  |
| 500         | 60                  | 2/0               | 2/0                 | 3/0                  | 3/0                  |

**PRIMARY WIRE AND FUSE SIZE**

| <b>Model<br/>(Amp)</b> | <b>Primary Wire Size - AWG</b> |             |             |             | <b>Grd.<br/>Wire</b> | <b>Fuse size in Amperes</b> |             |             |             |
|------------------------|--------------------------------|-------------|-------------|-------------|----------------------|-----------------------------|-------------|-------------|-------------|
|                        | <b>208V</b>                    | <b>230V</b> | <b>460V</b> | <b>575V</b> |                      | <b>208V</b>                 | <b>230V</b> | <b>460V</b> | <b>575V</b> |
| 200                    | #8                             | #8          | #10         | #12         | #8                   | 70                          | 70          | 35          | 30          |
| 300                    | #6                             | #6          | #10         | #10         | #8                   | 100                         | 90          | 45          | 30          |
| 400                    | #4                             | #4          | #8          | #10         | #8                   | 150                         | 125         | 60          | 50          |
| 500                    | #2                             | #3          | #6          | #8          | #8                   | 175                         | 150         | 75          | 60          |
| 600                    | #1                             | #2          | #6          | #8          | #6                   | 225                         | 200         | 100         | 80          |

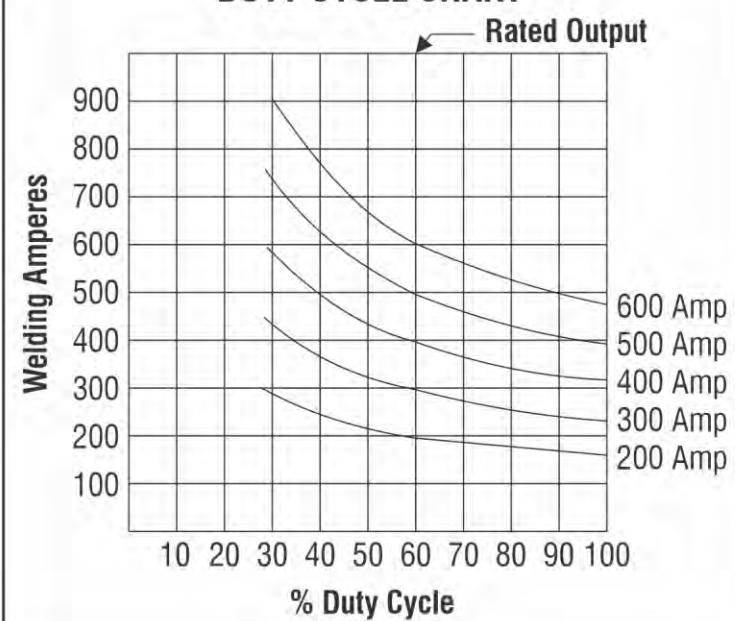
**DC Voltage Drop Per 100 Ft. vs Current for Welding Cable**


**ELECTRODE AND WELD FILLET SIZES METRIC CONVERSIONS**

| Electrode Sizes |     | Fillet Sizes |    |
|-----------------|-----|--------------|----|
| In.             | mm  | In.          | mm |
| .023            | .6  | 1/8          | 3  |
| .030            | .8  | 5/32         | 4  |
| .035            | .9  | 3/16         | 5  |
| .040            | 1.0 | 1/4          | 6  |
| .045            | 1.2 | 5/16         | 8  |
| 1/16            | 1.6 | 3/8          | 10 |
| 5/64            | 2.0 | 7/16         | 11 |
| 3/32            | 2.4 | 1/2          | 13 |
| 1/8             | 3.2 | 5/8          | 16 |
| 3/16            | 4.8 | 3/4          | 19 |
| 1/4             | 6.4 | 7/8          | 22 |
| 3/8             | 10  | 1            | 25 |

**WELDING SPEED CONVERSION TABLE**

| in./min | Ft/hr | M/hr | in./min | Ft/hr | M/hr |
|---------|-------|------|---------|-------|------|
| 7       | 33    | 10   | 79      | 394   | 120  |
| 13      | 66    | 20   | 92      | 459   | 140  |
| 20      | 98    | 30   | 105     | 525   | 160  |
| 26      | 131   | 40   | 118     | 590   | 180  |
| 33      | 164   | 50   | 131     | 656   | 200  |
| 39      | 197   | 60   | 144     | 722   | 220  |
| 46      | 230   | 70   | 157     | 787   | 240  |
| 52      | 262   | 80   | 170     | 853   | 260  |
| 59      | 295   | 90   | 183     | 918   | 280  |
| 65      | 328   | 100  | 197     | 984   | 300  |

**DUTY CYCLE CHART**


| RECOMMENDED MIG PROCEDURES, GAS, SETTINGS |          |                      |                |         |       |                 |
|---|----------|----------------------|----------------|---------|-------|-----------------|
| Metal & Mode                              | Polarity | Gas                  | Electrode Size | Amps    | Volts | Wire Feed Speed |
| Mild Steel<br>Short Circuit               | DCEP     | 75% Argon            | .023           | 30-90   | 14-19 | 100-400         |
|   |          | 25% CO <sub>2</sub>  | .030           | 40-145  | 15-21 | 90-340          |
|   |          |                      | .035           | 50-180  | 16-22 | 80-380          |
| Mild Steel<br>Spray Mode                  | DCEP     | Argon                | .023           | -       | -     | -               |
|   |          | 1-5% O <sub>2</sub>  | .030           | 135-230 | 24-28 | 330-650         |
|   |          |                      | .035           | 165-180 | 24-30 | 340-625         |
| 4130 Steel<br>Short Circuit               | DCEP     | 75% Argon            | .023           | 30-90   | 14-19 | 100-400         |
|   |          | 25% CO <sub>2</sub>  | .030           | 40-145  | 15-21 | 90-340          |
|   |          |                      | .035           | 50-180  | 16-22 | 80-380          |
| 4130 Steel<br>Spray Mode                  | DCEP     | Argon                | .023           | -       | -     | -               |
|   |          |                      | .030           | 135-230 | 24-28 | 330-650         |
|   |          |                      | .035           | 165-230 | 24-30 | 340-625         |
| Stainless Steel<br>Short Circuit          | DCEP     | 90% HE               | .030           | 60-125  | 16-23 | 150-280         |
|   |          | 7.5% Argon           | .035           | 75-160  | 16-23 | 125-280         |
|   |          | 2.5% CO <sub>2</sub> | .045           | 100-200 | 16-24 | 110-230         |
| Stainless Steel<br>Spray Mode             | DCEP     | 98% Argon            | .035           | 180-300 | 24-33 | 290-600         |
|   |          | 2% O <sub>2</sub>    | .045           | 200-450 | 24-35 | 250-475         |
|   |          |                      | 1/16           | 220-500 | 24-36 | 180-300         |
| Aluminum<br>Short Circuit                 | DCEP     | Argon                | .030           | 50-120  | 16-19 | 250-550         |
|   |          |                      | .035           | 65-140  | 17-20 | 240-425         |
|   |          |                      | 3/64           | 75-170  | 17-22 | 160-325         |
| Aluminum<br>Spray Mode                    | DCEP     | Argon                | .030           | 95-200  | 20-27 | 505-1200        |
|   |          |                      | .035           | 110-220 | 20-27 | 425-850         |
|   |          |                      | 3/64           | 130-290 | 22-31 | 250-65          |

| CARBON ARC GOUGING ELECTRODES                         |      |                        |          |
|---|------|------------------------|----------|
| Suggested Current Ranges for Commonly Used Electrodes |      |                        |          |
| Electrode Dia.  |      | DC Electrode with DCEP |          |
| in.   | mm.  | Min Amps               | Max Amps |
| 5/32  | 4.0  | 90                     | 150      |
| 3/16  | 4.8  | 150                    | 200      |
| 1/4   | 6.4  | 200                    | 400      |
| 5/16  | 7.9  | 250                    | 450      |
| 3/8   | 9.5  | 350                    | 600      |
| 1/2   | 12.7 | 600                    | 1000     |
| 5/8   | 15.9 | 800                    | 1200     |
| 3/4   | 19.1 | 1200                   | 1600     |
| 1   | 25.4 | 1800                   | 2200     |



## USEFUL DATA



| SMAW ELECTRODE CURRENT RATES AND DEPOSITION DATA       |   |               |   |                               |      |
|--|---|---------------|---|-------------------------------|------|
| E6010/E7010  |   |               |   |                               |      |
| Electrode Dia.<br>in. (mm)                             |   | Range<br>Amps | Optimum<br>Amps   | Deposition<br>Rate (lbs./hr.) |      |
| 3/32   | 2.4   | 40-75         | 75  | 1.5                           |      |
| 1/8  | 3.2   | 80-140        | 100   | 2.1                           |      |
|  |   | 80-140        | 130   | 2.3                           |      |
| 5/32   | 4.0   | 130-175       | 140   | 2.8                           |      |
|  |   | 130-175       | 170   | 2.9                           |      |
| 3/16   | 4.8   | 150-210       | 160   | 3.3                           |      |
|  |   | 150-210       | 190   | 3.5                           |      |
| 7/32   | 5.6   | 180-275       | 190   | 4.5                           |      |
|  |   | 180-275       | 230   | 5.1                           |      |
| E7018  |   |               |   |                               |      |
| Electrode Dia.<br>in. (mm)                             |   | Range<br>Amps | Optimum<br>Amps   | Deposition<br>Rate (lbs./hr.) |      |
| 3/32   | 2.4   | 70-100        | 90  | 1.7                           |      |
| 1/8  | 3.2   | 90-160        | 120   | 2.6                           |      |
|  |   | 90-160        | 140   | 2.7                           |      |
| 5/32   | 4.0   | 130-220       | 140   | 3.1                           |      |
|  |   | 130-220       | 170   | 3.8                           |      |
| 3/16   | 4.8   | 200-300       | 200   | 4.9                           |      |
|  |   | 200-300       | 250   | 5.4                           |      |
| 7/32   | 5.6   | 250-350       | 250   | 6.5                           |      |
|  |   | 250-350       | 300   | 7.2                           |      |
| 1/4  | 6.4   | 300-400       | 300   | 7.7                           |      |
|  |   | 300-400       | 350   | 8.7                           |      |
| METAL MELTING POINTS                                   |   |               |   |                               |      |
| Elements   | F°  | C°            | Elements  | F°                            | C°   |
| Aluminum   | 1220  | 660           | Lithium   | 367                           | 186  |
| Antimony   | 1167  | 631           | Magnesium   | 1204                          | 651  |
| Barium   | 1562  | 850           | Manganese   | 2300                          | 1260 |
| Beryllium  | 2462  | 1350          | Mercury   | -38                           | -39  |
| Bismuth  | 520   | 271           | Molybdenum  | 4748                          | 2620 |
| Cadmium  | 610   | 321           | Nickel  | 2635                          | 1446 |
| Calcium  | 1490  | 810           | Phosphorous (yellow)                                      | 111                           | 44   |
| Carbon   | 6332  | 3500          | Platinum  | 3223                          | 1773 |
| Chromium   | 3209  | 1765          | Silicon   | 2588                          | 1420 |
| Cobalt   | 2696  | 1480          | Silver  | 1761                          | 961  |
| Copper   | 1981  | 1083          | Tin   | 449                           | 232  |
| Gold   | 1945  | 1063          | Tungsten  | 6152                          | 3400 |
| Iron   | 2795  | 1535          | Vanadium  | 3110                          | 1710 |
| Lead   | 621   | 327           | Zinc  | 787                           | 420  |
| TEMPERATURES OF SOLDERING, BRAZING & WELDING PROCESS   |   |               |   |                               |      |
| Soldering<br>(Lead Solder)<br>250-800 F°(121-427 C°)   | Arc Welding<br>6000-10000 F°<br>(3316-5538 C°)        |               | Oxyacetylene<br>6300 F°(3482 C°)<br>Flame Temp Adjustable |                               |      |
| Brazing<br>(Brass & Bronze)<br>800-1200 F°(427-649 C°) | TIG Welding<br>5000 F°(2760 C°)<br>Arc Temp. Variable |               | Plasma-Arc Cutting<br>50000 F°(27760 C°)<br>Arc Temp      |                               |      |



## NOTES



# LENCO PRODUCT INDEX

| PART NO. | DESCRIPTION                                     | PAGE NO. | PART NO.    | DESCRIPTION                                   | PAGE NO. | PART NO.              | DESCRIPTION                                | PAGE NO. |
|----------|---|----------|-------------|---|----------|-----------------------|--|----------|
| 01020    | AF-2  | 2,3      | 0162515     | Set Screw for Core, Duro 250-400-I, (400 (2)) | 4        | 02101                 | Left Housing, Threaded, R-4C               | 10       |
| 01020DP  | AF-2 Display Packaged                           | 3        | 0162516     | Brass Foil, Duro 250-600-I                    | 4        | 02102                 | Right Housing, Counterbored, R-4C          | 10       |
| 01021    | Upper Tong, AF-1/2 M-150/200                    | 3        | 0162517     | Brass Curved Piece, Duro 250-600-I            | 4        | 02103                 | Armature/Rotor, R-4C                       | 10       |
| 01022    | Lower Tong w/scr, AF/HT/M/MHT 2-200             | 3        | 016252      | Insulator, Top Jaw - #2, Duro 250-I           | 4        | 02104                 | Brush, each, R-4C                          | 10       |
| 01023    | Handle, AF-2                                    | 3        | 016253      | Insulator, Top Jaw - #3, Duro 250-I           | 4        | 02105                 | Brush Finger, each, R-4C                   | 10       |
| 01025    | Cable Conn. Screw, AF-1/2/25,M-150/200/250      | 3,5      | 016254      | Jaws - Plain, Duro 250-I                      | 4        | 02106                 | Brush Spring, each, R-4C                   | 10       |
| 01026    | Spring Set w/Ins., AF-1/2, M-150/200            | 3        | 016255      | Jaws w/Insulators, Duro 250-I                 | 4        | 02107                 | Socket Head Set Screw, R-4C                | 10       |
| 01027    | Spring Cup Ins., AF/M 1-200                     | 3        | 016256      | Trigger - Plain, Duro 250-600-I               | 4        | 02108                 | Center Bolt, Nut incl., R-4C               | 10       |
| 01030    | AF-25   | 2,3      | 016256A     | Insulator cover for Trigger, Duro 250-600-I   | 4        | 02109                 | Contact Plate, R-4C                        | 10       |
| 01030DP  | AF-25 Display Packaged                          | 3        | 016256B-100 | Trigger &Tip Insulator Screw - 100 pcs        | 4        | 02120                 | GC-500                                     | 9        |
| 01031    | Upper Tong, AF-25/M-250                         | 3        | 016256B-6   | Trigger &Tip Insulator Screw - 6 pcs          | 4        | 02121                 | GC-500 Body, Press & Set Screw             | 9        |
| 01032    | Lower Tong w/scr, AF/HT/M/MHT 25-250            | 3        | 016257      | Brass Core w/ Hardware Kit, Duro 250-I        | 4        | 02130                 | MIG-600-C                                  | 9        |
| 01033    | Handle, AF-25                                   | 3        | 016258      | Trigger w/ Insulator, Duro 250-600-I          | 4        | 02132                 | MIG-600-C Body, Press & Set Screw          | 9        |
| 01034    | Spring Set w/Ins., AF-25/M-250                  | 3        | 016259      | Handle, Duro 250-I                            | 4        | 02180                 | MG-180                                     | 6        |
| 01040    | AF-3  | 3        | 016300      | Duro 300-I                                    | 4        | 02200                 | R-4C                                       | 10       |
| 01041    | Lower Tong w/scr, AF/HT/M/MHT 3-300             | 3        | 016301      | Insulator, Bottom Jaw - #1, Duro 300-I        | 4        | 02220                 | GR-4C                                      | 10       |
| 01042    | Handle, AF-3                                    | 3        | 016302      | Insulator, Top Jaw - #2, Duro 300-I           | 4        | 02230                 | G-1500-34, 1500 Amp Heavy Work Clamp       | 8        |
| 01050    | AF-35   | 3        | 016303      | Insulator, Top Jaw - #3, Duro 300-I           | 4        | 02240                 | G-1500-138, 1500 Amp Heavy Work Clamp      | 8,11     |
| 01051    | Upper Tong, AF-3/35/50 M-300/350/500            | 3        | 016304      | Jaws - Plain, Duro 300-I                      | 4        | 02281                 | Ground Contact Plate, C                    | 9        |
| 01052    | Lower Tong w/scr, AF/HT/M/MHT 35-350            | 3        | 016305      | Jaws w/Insulators, Duro 300-I                 | 4        | 02282                 | Cable Contact Plate, C                     | 9        |
| 01053    | Handle, AF-35                                   | 3        | 016307      | Brass Core w/ Hardware Kit, Duro 300-I        | 4        | 02283                 | Center Bolt w/nut, C                       | 9        |
| 01054    | Spring Set w/Ins., AF/M 3-300                   | 3        | 016309      | Handle, Duro 300-I                            | 4        | 02284                 | Pressure Spring, C                         | 9        |
| 01060    | AF-50   | 3        | 016310      | Guard, Duro 300-I                             | 4        | 02285                 | Screw, Cup Point Set                       | 9        |
| 01062    | Lower Tong w/scr, AF/HT/M/MHT 50-500            | 3        | 016311      | Rubber Insulator for handle Screw,            | 4        | 02286                 | Bearing, Thrust, C                         | 9        |
| 01065    | Tip Insulator Screws (Dozen)                    | 3,11     |             | Duro 250-600-I                                | 4        | 02300                 | MSG-500                                    | 12       |
| 01066    | Handle, AF-50                                   | 3        | 016312      | Screw for Handle, Duro 3-600-I                | 4        | 02400                 | MRG-500                                    | 12       |
| 01068    | Cable Conn. Screw, 5/8-18 x 5/8"                | 3,9-10   | 016400      | Duro 400-I                                    | 4        | 02410                 | 900 Magnetrode 400 Amp Single 1/2-13 Screw | 12       |
| 01069    | Spring Set w/Ins., AF-35/50, M-350/500          | 3        | 016401      | Insulator, Bottom Jaw - #1, Duro 4-600-I      | 4        | 02420                 | 1500 Magnetrode 1000 Amp                   |          |
| 01070    | Spring Insulator, Lg Fl, AF/HT/M/MHT            | 3        | 016402      | Insulator, Top Jaw - #2, Duro 4-600-I         | 4        | 02421                 | Double 1/2-13 Screw                        | 12       |
| 01071    | Spring Cup, AF/M 25-500 HT/MHT 2-200            | 3        | 016403      | Insulator, Top Jaw - #3, Duro 4-600-I         | 4        | 02430                 | 2000 Magnetrode 1500 Amp                   |          |
| 01214    | Hinge Pin, AF/HT/M/MHT 1-250                    | 3        | 016404      | Jaws - Plain, Duro 4-600-I                    | 4        |                       | Triple 1/2-13 Screw                        | 12       |
| 01223    | Hinge Pin, AF/HT/M/MHT 3-500                    | 3        | 016405      | Jaws w/insulators, Duro 4-600-I               | 4        | 02450                 | CPG-400 400 Amp Ground Designed            |          |
| 01225    | Cable Conn. Screw, AF-3, M-300                  | 3        | 016407      | Brass Core w/ Hardware Kit, Duro 400-I        | 4        |                       | for use on Coated Pipe                     | 12       |
| 01284    | Spring Cover, LT/MLT-400                        | 5        | 016409      | Handle, Duro 400-I                            | 4        | 02460                 | CPG-400D                                   | 12       |
| 01286    | Spring, Coil, LT/MLT-400                        | 5        | 016410      | Guard, Duro 4-600-I                           | 4        | 02500                 | LRG-140 Rotating Ground                    | 11       |
| 01320    | HT-2  | 3        | 016413-100  | Screws for Jaw Insulation - Duro 4-600-I      | 4        | 025001                | LRG-140 Rotating Ground w/Special Fitting  | 11       |
| 01320DP  | HT-2 Display Packaged                           | 3        | 016413-6    | Screws for Jaw Insulation - Duro 4-600-I      | 4        | 02510                 | LRG-240 Rotating Ground                    | 11       |
| 01321    | Upper Tong, HT-2/MHT-200                        | 3        | 016600      | Duro 600-I                                    | 4        | 025101                | LRG-240 Rotating Ground w/Button Fitting   | 11       |
| 01323    | Handle, HT-2                                    | 3        | 016607      | Brass Core w/ Hardware Kit, Duro 600-I        | 4        | 02514                 | LRG-140 Rotating Casting                   | 11       |
| 01324    | Spring Set w/Ins., HT-2/MHT-200                 | 3        | 016609      | Handle, Duro 600-I                            | 4        | 02515                 | LRG Replacement Head - All models          | 11       |
| 01325    | Tip w/scr AF/M/HT/MHT 1-250                     | 3        | 016614      | Allen Wrench, Duro 600-I                      | 4        | 02520                 | LRG-440 Rotating Ground                    | 11       |
| 01330    | HT-25   | 3        | 016615      | Set Screw for Core, Duro 600-I                | 4        | 025201                | LRG-440 Rotating Ground w/Button Fitting   | 11       |
| 01330DP  | HT-25 Display Packaged                          | 3        | 01910       | LRO-10, 10 LB. Rod Oven, 120/230 vac          | 25       | 02530                 | LRG-640 Rotating Ground                    | 11       |
| 01331    | Upper Tong, HT-25/MHT-250                       | 3        | 01916       | LRO-15WT, 15 LB. Rod Oven, 120/230 vac        | 25       | 025301                | LRG-640 Rotating Ground w/Button Fitting   | 11       |
| 01333    | Handle, HT-25                                   | 3        | 019231      | Pilot Light                                   | 25       | 02560                 | LRG-140 Shaft                              | 11       |
| 01334    | Spring Set w/Ins., HT/MHT 25-300                | 3        | 01924       | Basket and Handle                             | 25       | 02561                 | LRG-240 Shaft                              | 11       |
| 01335    | Tip w/scrs AF/HT-3/35/50, M/MHT-300/350/500     | 3        | 01925       | Retaining Clip                                | 25       | 02562                 | LRG-440 Shaft                              | 11       |
| 01337    | Spring Cup Ins., HT/MHT 25-300                  | 3        | 01929       | Receptacle                                    | 25       | 02563                 | LRG-640 Shaft                              | 11       |
| 01340    | HT-3  | 3        | 01950       | LRO-50-120 50 LB. Rod Oven, 120 vac           | 25       | 02570                 | Grease Cup                                 | 11       |
| 01341    | Upper Tong, HT-3/35/50 MHT-300/350/500          | 3        | 01970       | LRO-450-120 450 LB. Rod Oven, 120vac          | 25       | 02571                 | Grease Fitting, Button Head                | 11       |
| 01343    | Handle, HT-3                                    | 3        | 01971       | LRO-450-230 450 LB. Rod Oven, 230vac          | 25       | 02572                 | Tightening Bar                             | 11       |
| 01350    | HT-35   | 3        | 01973       | Thermostat                                    | 25       | 02574                 | LRG-140 Tension Adjustment Screw w/Washers | 11       |
| 01353    | Handle, HT-35                                   | 3        | 019731      | Thermostat                                    | 25       | 02575                 | Tension Adjustment Screw w/Washers         | 11       |
| 01360    | HT-50   | 3        | 01975       | Heating Element                               | 25       | 02577                 | Head Alignment Pin                         | 11       |
| 01363    | Handle, HT-50                                   | 3        | 019751      | Heating Element                               | 25       | 02579                 | LRG-140 Mounting Nut                       | 11       |
| 01364    | Spring Set w/Ins., HT-35/50, MHT-350/500        | 3        | 01976       | Handle and Latch                              | 25       | 02580                 | Mounting Nut w/Screw                       | 11       |
| 01400    | RHA-400 - Replacement Head Assy LT-400          | 5        | 01977       | Latch Assembly                                | 25       | 02585                 | Insulating Cover                           | 11       |
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| 169230               | Machine Shield      | 279                                 | 17-25PF       | Torch Package         | 122                                      | 17S-116         | Contact Tip         | 63-64,67-68,71-72,<br>83,111,227,260             |
| 169232               | O-ring              | 278-279                             | 17-25R        | Torch Package         | 122                                      |                 |                     |  |
| 169233               | O-ring              | 279                                 | 172732        | Sensor Lead           | 248                                      | 17S-18          | Contact Tip         | 227  |
| 169715               | Nozzle              | 241,245                             | 173895        | Electrode Extended    | 279                                      | 17S-30          | Contact Tip         | 47,51-52,63,67-68,<br>71-72,83,111,260           |
| 169715-38            | Nozzle              | 241,245                             | 174034        | Tip, Std.             | 279                                      |                 |                     |  |
| 169715GL-38          | Nozzle              | 241,245                             | 1741          | Nut                   | 113                                      | 17S-332         | Contact Tip         | 227,260  |
| 169715GL-50          | Nozzle              | 241,245                             | 1742          | Nut                   | 113                                      | 17S-35          | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,260     |
| 169715-IN            | Insulator           | 210                                 | 1743          | Nut                   | 113                                      |                 |                     |  |
| 169716               | Tip Adapter         | 241,245                             | 174AMT        | 400 amp Plug          | 81,83                                    | 17S-40          | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,260     |
| 169716NF             | Tip Adapter         | 241,245                             | 174AMT-M      | Plug                  | 81,83                                    |                 |                     |  |
| 169717               | Shock Washer        | 245                                 | 174EX-1C      | Nut                   | 41,55,75                                 | 17S-45          | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,227,260 |
| 169724               | Nozzle              | 243,245                             | 17-50R        | Torch Package         | 122                                      |                 |                     |  |
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| 169726               | Nozzle              | 243,245                             | 175AMT        | 500 amp Plug          | 85                                       |                 |                     | 67-68,71-72,83,111,260                           |
| 169727               | Nozzle              | 243,245                             | 175AMT-M      | Plug                  | 85                                       | 17S-564         | Contact Tip         | 67-68,71-72,<br>83,227,260                       |
| 169728               | Tip Adapter         | 243,245                             | 17-610        | Valve                 | 101                                      |                 |                     |  |
| 169729               | Adapter             | 243,245                             | 176243        | Nozzle                | 243,245                                  | 17S-764         | Contact Tip         | 227  |
| 169730               | Shock Washer        | 243,245                             | 176655        | Electrode             | 278                                      | 17SLT-116       | Contact Tip         | 63-64,67-68,71-72,83                             |
| 169731               | Gooseneck           | 246                                 | 176656        | Tip                   | 278                                      | 17SLT-35        | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,227,260 |
| 16S-116              | Contact Tip         | 47,63-64,67-68,<br>71-72,83,214,260 | 176657        | Use 202809            | .  |                 |                     |  |
| 16S-18               | Contact Tip         | 260                                 | 176794        | Contact Tip           | 244                                      | 17SLT-40        | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83             |
| 16S-30               | Contact Tip         | 47-48,51,52,63-64,                  | 176797        | Contact Tip           | 244                                      | 17SLT-45        | Contact Tip         | 47-48,51-52,63-64,                               |
|                      |                     | 67-68,71-72,83,214,260              | 17-710        | Hose 16' Long         | 100-101                                  |                 |                     | 67-68,71-72,83                                   |
| 16S-332              | Contact Tip         | 214,260                             | 17-715        | Hose 21' Long         | 100-101                                  | 17SLT-52        | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83             |
| 16S-35               | Contact Tip         | 47-48,51-52,63-64,                  | 17-750        | Collar                | 100-101                                  |                 |                     |  |
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| 16S-40               | Contact Tip         | 47-48,51-52,63-64,                  | 17-756        | Bushing (Optional)    | 100-101                                  | 17ST-116        | Contact Tip         | 63-64,67-68,71-72,<br>83,111,260                 |
| 16S-45               | Contact Tip         | 47-48,51-52,63-64,                  | 17-765        | Cap                   | 100                                      | 17ST-30         | Contact Tip         | 47,51-52,63,67-68,<br>71-72,83,111,260           |
|                      |                     | 67-68,71-72,83,214,260              | 17-770        | Flux Tube Adapter     | 101                                      |                 |                     |  |
| 16S-52               | Contact Tip         | 47-48,51-52,63-64,                  | 177875        | Clamp and Tube Assy   | 100-101                                  | 17ST-332        | Contact Tip         | 260  |
|                      |                     | 67-68,71-72,83,214,260              | 177876        | Use 192047            | .  |                 |                     |  |
|                      |                     |                                     |               | Tip Extended          | 279                                      | 17ST-35         | Contact Tip         | 47-48,51-52,63-64,                               |
| 16S-564              | Contact Tip         | 67-68,71-72,<br>83,214,260          | 177877        | Use 192050            | .  |                 |                     | 67-68,71-72,83,111,260                           |
|                      |                     |                                     | 177886        | Swirl Ring            | 279                                      | 17ST-40         | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,260     |
| 16ST-116             | Contact Tip         | 63-64,67-68,71-72,<br>83,260        | 177887        | Use 192053            | .  |                 |                     |  |
|                      |                     |                                     | 177888        | Deflector             | 279                                      | 17ST-45         | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,260     |
| 16ST-30              | Contact Tip         | 47-48,51-52,63-64,                  | 177890        | Tip Shielded          | 279                                      |                 |                     |  |
|                      |                     | 67-68,71-72,83,260                  | 17-800        | Adapter (Valve Head)  | 100                                      | 17ST-52         | Contact Tip         | 47-48,51-52,63-64,<br>67-68,71-72,83,111,260     |
| 16ST-332             | Contact Tip         | 260                                 | 17-810        | Adapter (Flux Hopper) | 100                                      |                 |                     |  |
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| 21619                | Use 0558003032                                 | .23-62   | Nozzle                     | 43,57-58,81,216,262    | 250-25  | Cable Assy             | 43,51                  |                                   |
| 21-62                | Nozzle   | 34-35,37-38,215,261  | 23-62FAS                   | Nozzle                 | 43,57-58,216,262                              | 250-3035-10            | MIG Gun                | 42,54                             |
| 21625                | Torch Body                                     | .272   | 237398                     | Use 116190             | .250-3035-12                                  | MIG Gun                | 42                     |                                   |
| 21-62F               | Nozzle   | 34-35,37-38,261  | 23-75                      | Nozzle                 | 43,57-58,81,216,262                           | 250-3035-15            | MIG Gun                | 42                                |
| 21657                | Electrode Holder                               | .272   | 23-75F                     | Nozzle                 | 43,57-58,81,216,262                           | 250-3035-20            | MIG Gun                | 42                                |
| 21667                | Swirl Baffle                                   | .272   | 238626                     | Use 116190             | .250-3035-25                                  | MIG Gun                | 42                     |                                   |
| 21802                | Shield   | .271   | 239168                     | Rheostat               | 249   | 250-4045-10            | MIG Gun                | 42                                |
| 21822                | Nozzle   | .271   | 23CT-37                    | Nozzle                 | 63,67,71                                      | 250-4045-12            | MIG Gun                | 42                                |
| 21944                | Diffuser                                       | .271   | 23CT-50                    | Nozzle                 | 63,67,71                                      | 250-4045-15            | MIG Gun                | 42                                |
| 21T37                | Nozzle   | 34-35,37-38,215,261  | 23CT-62                    | Nozzle                 | 63,67,71                                      | 250-4045-20            | MIG Gun                | 42                                |
| 220006               | Nozzle, 40 Amp                                 | .275   | 23CT-75                    | Nozzle                 | 63,67,71                                      | 250-4045-25            | MIG Gun                | 42                                |
| 220007               | Nozzle, 60 Amp                                 | .275   | 23H50                      | Nozzle                 | 43,57-58,81,262                               | 250CK                  | Cloth Wrap Cable Bulk  | 43,51                             |
| 220011               | Nozzle   | .275   | 23H62                      | Nozzle                 | 43,57-58,81,216,262                           | 250K                   | Cable Bulk             | 43,51                             |
| 220016               | Cap  | .274   | 23H75                      | Nozzle                 | 58,262  | 250V-25                | Extension Cord         | 238,256                           |
| 220021*              | Electrode                                      | .277   | 23T37                      | Nozzle                 | 43,57-58,81,216,262                           | 250V-50                | Extension Cord         | 238,256                           |
| 220037               | Electrode                                      | .275   | 24                         | Torch Body             | 128-135                                       | 25-12                  | Torch Package          | 130                               |
| 220047               | Machine Shield, 100 Amp                        | .275   | 24 Inch                    | 24" Extension          | 226   | 25-12R                 | Torch Package          | 130                               |
| 220048               | Retaining Cap, 100 Amp                         | .275   | 240                        | Retainer Ring          | 47,51,63,67,71,<br>83,111,210,247             | 252202                 | Contactor              | 249                               |
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| 220061               | Retaining Cap                                  | .275   | 24-12R                     | Torch Package          | 128   | 252262                 | Trigger Cable          | 248                               |
| 220064               | Nozzle, 100 Amp                                | .275   | 242205010                  | Extension Cord 10'     | 255   | 25-25                  | Torch Package          | 130                               |
| 220065               | Hand Shield, 100 Amp                           | .275   | 242205020                  | Use 043725             | .25-25R                                       | Torch Package          | 130                    |                                   |
| 220329               | Nozzle, Precision Cut                          | .275   | 242205025                  | Use 9774-25            | .2545   | Connector Assy         | 41,55,75               |                                   |
| 220669               | Electrode                                      | .276   | 242205050                  | Use 043726/9774-50     | .2545-3                                       | Cable Support          | 41,55,75               |                                   |
| 220670               | Swirl Ring                                     | .276   | 242205080                  | Cord                   | 252,255                                       | 2545-4                 | Nut                    | 41,55,75                          |
| 220671               | Nozzle, 45 Amp                                 | .276   | 242205100                  | Extension Cord 100'    | 255   | 2545-6                 | Connection             | 41,55,75                          |
| 220673               | Machine Shield                                 | .276   | 242208010                  | Extension Cord 10'     | 181,183,255                                   | 2545-C                 | Connector Assy         | 41,55,75                          |
| 220674               | Hand Shield                                    | .276   | 242208025                  | Use 122973             | .255627                                       | Contactor              | 249                    |                                   |
| 220713               | Retaining Cap                                  | .276   | 242208050                  | Use 122974             | .25CT-50                                      | Nozzle                 | 77-78,85,264           |                                   |
| 220816               | Nozzle 85 Amp                                  | .276   | 242208075                  | Extension Cord 75'     | 181,183                                       | 25CT-62                | Nozzle                 | 77-78,85,217,264                  |
| 220817               | Machine Shield                                 | .276   |                            |                        | 25CT-75                                       | Nozzle                 | 77-78,85,217,264       |                                   |
| 220818               | Hand Shield                                    | .276   | 242208080                  | Extension Cord 80'     | 148,181,<br>183,253,255                       | 25I-62                 | Nozzle                 | 77-78,85,264                      |
| 220819               | Nozzle 65 Amp                                  | .276   |                            |                        | 25I-75  | Nozzle                 | 77-78,85,264           |                                   |
| 220842               | Electrode                                      | .276   | 242208100                  | Extension Cord 100'    | 181,183,255                                   | 25I-75F                | Nozzle                 | 78                                |
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| 403-2-116            | Contact Tip        | 258         | 415-35-15   | Liner              | 259                   | 44215T      | Conduit                       | 208                      |
| 403-2-23             | Contact Tip        | 258         | 415-35-25   | Liner              | 259                   | 44220       | Use 4422                      | -                        |
| 403-23               | Contact Tip        | 258         | 415-564-15  | Liner              | 259                   | 44225       | Conduit                       | 208                      |
| 403-2-30             | Contact Tip        | 258         | 415-564-25  | Liner              | 259                   | 4423        | Retaining Cap                 | 271                      |
| 403-2-35             | Contact Tip        | 258         | 41V24       | Back Cap           | 119,127,140           | 44230       | Use 4423                      | -                        |
| 403-2-45             | Contact Tip        | 258         | 41V29       | Power Cable        | 125                   | 4423R       | Insulator                     | 207                      |
| 403-2-52             | Contact Tip        | 258         | 41V29R      | Power Cable        | 125,136               | 44-25       | Wrench                        | 37,43,47,51,57,63,67,71, |
| 403-30               | Contact Tip        | 258         | 41V29R-50   | Power Cable        | 125                   |             | 77,80,82,84,87,92,241,243,269 |                          |
| 403-3-116            | Contact Tip        | 258         | 41V30       | Gas Hose           | 125                   | 4426        | Electrode Extended            | 271                      |
| 403-3-30             | Contact Tip        | 258         | 41V30R      | Gas Hose           | 125,133,136           | 4427        | Nozzle Extended               | 271                      |
| 403-3-35             | Contact Tip        | 258         | 41V30R-50   | Gas Hose           | 125                   | 44315       | Conduit                       | 208                      |
| 403-3-40             | Contact Tip        | 258         | 41V32       | Water Hose         | 125                   | 44-332-15   | Conduit                       | 89,268                   |
| 403-3-45             | Contact Tip        | 258         | 41V32R      | Water Hose         | 125,136               | 4435        | Gas Diffuser                  | 206-207                  |
| 403-35               | Contact Tip        | 258         | 41V32R-50   | Water Hose         | 125                   | 44-3545-1   | Conduit                       | 81,83                    |
| 403-3-52             | Contact Tip        | 258         | 41V33       | Back Cap           | 119,127,140           | 44-3545-15  | Conduit                       | 57,60,63,65,67,69,71,    |
| 403-45               | Contact Tip        | 258         | 41V35       | Back Cap           | 119,127,140           |             | 73,81,83,89,105,224,268       |                          |
| 403-52               | Contact Tip        | 258         | 41W30       | Extension          | 213                   | 44-3545-25  | Conduit                       | 57,60,63,65,67,69,       |
| 404                  | Gas Diffuser       | 258         | 41W98       | Extension          | 213                   |             | 71,73,81,83,224,268           |                          |
| 404-1                | Gas Diffuser       | 258         | 42-052-15   | Use 42-116-15      | .                     | 4450        | Electrode                     | 271                      |
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| 405-180              | Gooseneck          | 81,259      |             |                    | 53,243,268            | 4452        | Swirl Ring                    | 271                      |
| 405-180HD            | H.D. Gooseneck     | 83          | 42-116-25   | Conduit            | 43,45,47,49,51,       | 4453        | Retaining Cap                 | 271                      |
| 405-22               | Gooseneck          | 81,259      |             |                    | 53,243,268            | 4454        | Nozzle                        | 271                      |
| 405-22HD             | H.D. Gooseneck     | 83          | 4-22        | Cable Cover        | 124,134,270           | 4454L       | Nozzle Extended               | 271                      |
| 405-45               | Gooseneck          | 81,259      | 42-23-15    | Conduit Assy       | 37,39,43,45,47,49,    | 44-564-1    | Conduit                       | 81,83                    |
| 405-45HD             | H.D. Gooseneck     | 83          |             |                    | 51,53,224,241,243,268 | 44-564-15   | Conduit                       | 57,60,67,69,71,73,       |
| 405-60               | Gooseneck          | 81,259      | 4-22V       | Velcro Cable Cover | 124,134,270           |             | 81,83,89,224,268              |                          |
| 405-60HD             | H.D. Gooseneck     | 83          | 42-3035-15  | Conduit            | 37,39,43,45,47,49,51, | 44-564-25   | Conduit                       | 57,60,67,69,71,          |
| 406488               | Collet Body        | 139         |             |                    | 53,92,224,241,243,268 |             | 73,83,224,268                 |                          |
| 407839-12            | Contact Tip        | 137         | 42-3035-25  | Conduit            | 43,45,47,49,51,       | 4-48        | Cable Cover                   | 124,270                  |
| 407839-3             | Feed Tip Tapered   | 137         |             |                    | 53,243,268            | 4-48V       | Velcro Cable Cover            | 124,270                  |
| 407839-6             | Feed Tip Tapered   | 137         | 4235        | Gas Diffuser       | 206-207               | 4491        | Nozzle                        | 206-207                  |
| 407839-8             | Feed Tip Tapered   | 137         | 4235-116    | Gas Diffuser       | 206                   | 4492        | Nozzle                        | 206-207                  |
| 407839-9             | Feed Tip Tapered   | 137         | 4235-35     | Gas Diffuser       | 206                   | 44C         | Set Screw                     | 34,37,43,47,51,57,63,    |
| 40MQ                 | Male Quick Connect | 47,63,243   | 42-4045-15  | Conduit            | 37,39,43,45,47,49,    |             | 67,71,77,81,83,85,87,89,      |                          |
| 40V64                | Power Cable        | 125         |             |                    | 53,224,241,243,268    |             | 92,111,210,241,243,247,269    |                          |
| 40V64R               | Power Cable        | 125,136     | 42-4045-25  | Conduit            | 43,45,47,49,          | 44N-116-15  | Conduit                       | 57,60,63,65,67,69,71,    |
| 40V74                | Water Hose         | 125         |             |                    | 51,53,243,268         |             | 73,81,83,89,224,268           |                          |
| 40V74R               | Water Hose         | 125,136     | 4268        | Nozzle             | 110                   | 44N-3545-15 | Conduit                       | 57,60,63,65,67,69,71,    |
| 40V75                | Gas Hose           | 125         | 4269        | Nozzle             | 110,113               |             | 73,81,83,89,224,268           |                          |
| 40V75R               | Gas Hose           | 125,133,136 | 4270        | Nozzle             | 110                   | 44TF-116-15 | Conduit                       | 57,60,63,65,67,69,71,73  |
| 40V76LR              | Hose Extension     | 144         | 4280        | Contact Tip        | 206                   | 450-10      | Cable Assy                    | 71,83                    |
| 40V76R               | Water Hose 12½'    | 144         | 4281        | Contact Tip        | 206                   | 450-12      | Cable Assy                    | 71,83                    |
| 40V77LR              | Hose               | 144         | 4282        | Contact Tip        | 206                   | 450-15      | Cable Assy                    | 71,83                    |
| 40V77R               | Hose 12½'          | 144         | 4283        | Contact Tip        | 206                   | 450-2       | Cable Assy                    | 83                       |
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| 40V78R               | Power Cable        | 144         | 42N-3545-15 | Conduit            | 39,43,45,47,49,       | 450-25      | Cable Assy                    | 71,83                    |
| 40V82R               | Gas Hose           | 121,135     |             |                    | 51,53,241,243,268     | 450-4       | Cable Assy                    | 83                       |
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| 40V84RL              | Power Cable        | 121,135     | 438U10      | Contactor          | 285-287               | 45-3545-25  | Conduit                       | 77-78,85,224,268         |
| 40V84RL50            | Power Cable        | 121         | 438U10S3    | Contactor          | 286-288               | 45-40-15    | Conduit                       | 224,268                  |
| 41                   | Tip Nut            | 105         | 438U20      | Contactor          | 285,287               | 45415       | Conduit                       | 208                      |
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| 45V10R                | Gas Hose           | 119,123,127,     | 500-3545-15 | MIG Gun                | 76                  | 54N15L    | Cup, Long            | 138                                |
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| 9-5630     | Shield Cup           | 281         | 9774-50     | 50' Cord             | 255              | A796F75             | Cup               | 138   |
| 9-5631     | Tip                  | 281         | 9774-75     | 75' Cord             | 255              | A796F76             | Cup               | 138   |
| 9-5633     | Electrode            | 281         | 9774-80     | 80' Cord             | 255              | A796F77             | Cup               | 138   |
| 9-5635     | Torch Body           | 281         | 97T         | Trigger Assembly     | 47,63            | A796F79             | Cup               | 138   |
| 9-5642     | Torch Body           | 282         | 9806        | Off/On Start Switch  | 147              | AEC 1000HOB         | Hobart Adapter    | 94,96   |
| 9-5694     | Crown Shield Cup     | 282         | 9813        | Potentiometer        | 252              | AEC 1000MLR         | Miller Adapter    | 96  |
| 9-5702     | Tip                  | 282         | 9814        | Knob                 | 234,252          | AEC 1001MLR         | Adapter           | 94  |
| 9-5707     | Tip                  | 282         | 9-8400      | Cup                  | 282              | AEC 200             | 1# Spool Gun      | 106,108-109   |
| 9-5708     | Tip                  | 282         | 9-8401      | Gas Distributor      | 282              | AEC 200-1           | Control Box       | 108,114   |
| 9-5720     | Electrode            | 281         | 9-8402      | Electrode            | 282-283          | AEC 200-1P          | Control Box       | 108,114   |
| 9-5746     | Tip                  | 284         | 9-8406      | Tip                  | 283              | AEC 200-2           | Control Box       | 114   |
| 9-5749     | Electrode            | 284         | 9-8407      | Electrode            | 282-283          | AEC 200-36          | Spool Gun         | 106,108   |
| 9-5750     | Shield Cup           | 284         | 9-8411      | Tip                  | 282              | AEC 200-36L         | Spool Gun         | 106,108-109   |
| 9-5751     | Tip                  | 284         | 9-8412      | Tip                  | 282              | AEC 200-36P         | Spool Gun         | 108   |
| 9-5760     | Electrode, 02        | 284         | 9-8415      | Stand-Off            | 282              | AEC 200-3A          | Control Box       | 108-109,114   |
| 9577-100   | 100' Cord            | 255         | 98W18       | O-ring               | 123,125,133,140  | AEC 200-4           | Spool Gun         | 107-109   |
| 9577-25    | 25' Cord             | 255         | 98W77       | O-ring               | 119,123,125,127, | AEC 200-4C          | Control Box       | 107-109,115   |
| 9577-50    | 50' Cord             | 255         |             |                      | 129,133,140      | AEC 200-4DM         | Spool Gun         | 106,108-109,  |
| 9577-75    | 75' Cord             | 255         | 995795      | XL Gas Lens          | 139              |                     |                   | 177,179   |
| 9578-100   | 100' Cord            | 255         | 995795S     | XL Stubby G/L        | 139              |                     |                   | 108   |
| 9578-25    | 25' Cord             | 255         | 9962        | Use 9962-I Or 9962-D | .                | AEC 200-64          | Spool Gun         | 106,108-109   |
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| 9-5807     | Hand Torch           | 280-281     | 996996      | Contact Tip          | 212              | AEC 200-LVC         | Control Box       | 108-109,115   |
| 9-5897     | Tip                  | 282         | 996997      | Contact Tip          | 212              | AEC 550             | Subarc            | 102-103   |
| 9-5898     | Electrode            | 282         | 996998      | Contact Tip          | 212              | AEC 550HD           | Subarc            | 103   |
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| 9-6503     | Shield Cup           | 280-281     | 9F-25PF     | Torch Package        | 118              | AEC-3-028           | Male Connector    | 153,155   |
| 9-6506     | Electrode            | 280-281,283 | 9F-25R      | Torch Package        | 118              | AEC-3-029           | Female Connector  | 153,155,157   |
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| 9677       | TIG Arc Start Switch | 146         | 9FV-12R-TTC | Torch Package        | 118,141          | AEC-3-041-TW        | Cable Extension   | 153,155,157,  |
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| P180-4045-12  | MIG Gun Panasonic®      | 40          | PWCM-52-15    | MIG Gun Water Cooled          | 89              | R174-E         | Connector               | 37,43,47,51,57,<br>63,67,71,81,92                               |
| P180-4045-15  | MIG Gun Panasonic®      | 40          | PWCM-564-12   | MIG Gun Water Cooled          | 89              | R174-H         | Connector               | 37,43,47,51,57,<br>63,67,71,81,92                               |
| P250-052-10   | MIG Gun Panasonic®      | 54          | PWCM-564-15   | MIG Gun Water Cooled          | 89              | R174-L         | Connector               | 37,43,47,51,57,63,<br>67,71,81,83,89,92                         |
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| P250-4045-10  | MIG Gun Panasonic®      | 54          | PWCX-332-15   | MIG Gun Water Cooled          | 89              | R174-UAG       | Plug                    | 41,57,67,71,81,83   |
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| PG2030        | Gauge                   | 165         | PWCX-564-12   | MIG Gun Water Cooled          | 89              | R174-T         | Connector               | 34,37,41,43,47,51,55,<br>57,63,67,71,75,<br>81,83,89,92         |
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| PG2530        | Gauge                   | 165         | PX200         | Welding Machine               | 173             | R174-M         | Connector               | 34,37,41,43,47,51,55,<br>57,63,67,71,75,<br>81,83,89,92         |
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| PPFAT-1       | Pro-Pipe Alignment Tool | 169         | PX300CV-2TRG  | Welding Machine Package       | 178             | R185-S         | Spring                  | 37,41,43,47,51,55,57,<br>63,67,71,75,77,81,                     |
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| PRHC-14-25    | Use MHCP-14-25          | .           | PX300CV-4DMRG | Welding Machine Package       | 179             | R185-SC        | Screws                  | 37,43,47,51,57,63,67,<br>71,77,81,83,85,89,<br>92,241,243,269   |
| PRHC-14-50    | Use MHCP-14-50          | .           | PX300CV-4T    | Welding Machine Package       | 179             | R185-SC        | Screws                  | 37,43,47,51,57,63,67,<br>71,77,81,83,85,89,<br>92,241,243,269   |
| PRO-1VS       | Wire Feeder             | 175,184-185 | PX300CV-4TRG  | Welding Machine Package       | 179             | R185-SC        | Screws                  | 37,43,47,51,57,63,67,<br>71,77,81,83,85,89,<br>92,241,243,269   |
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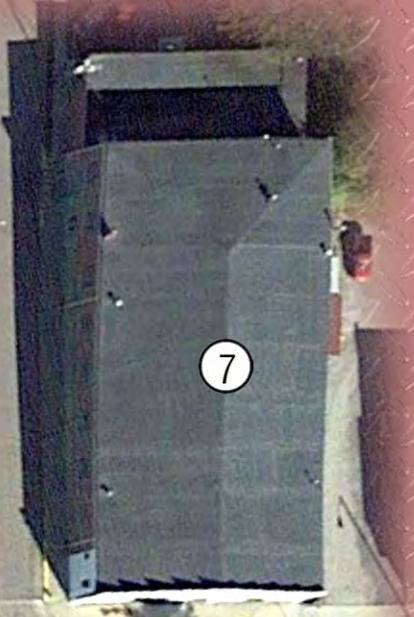




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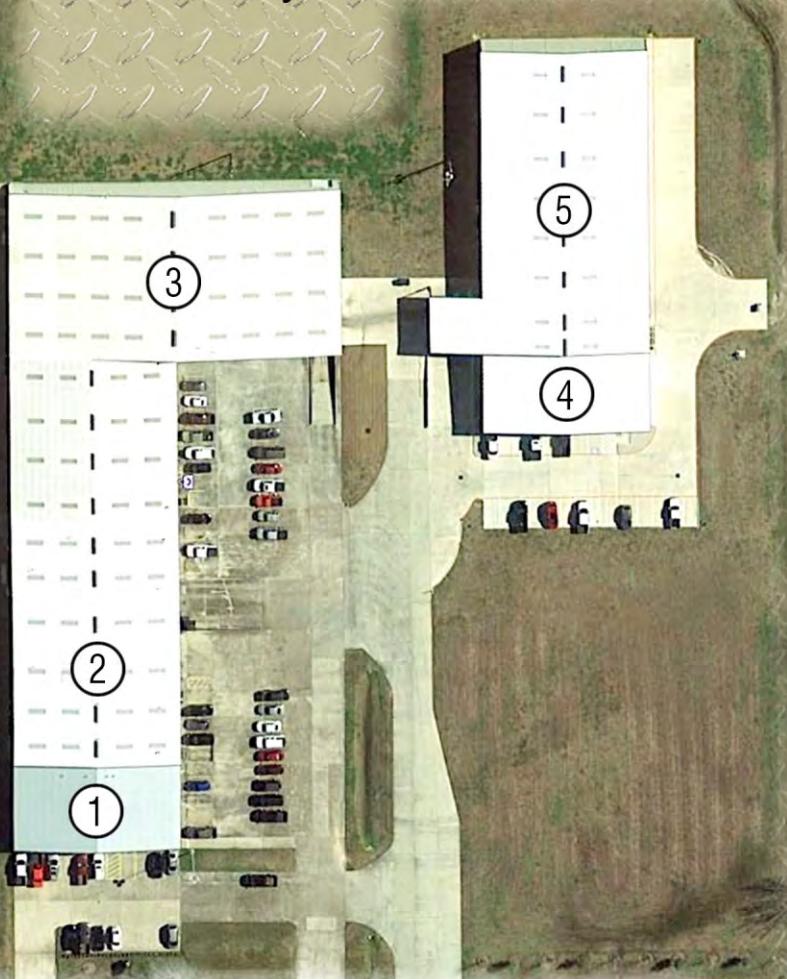
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