



# PT-32EH PLASMARC™ TORCH

Plasmarc Cutting

## PT-32EH Torch

Designed for superior cutting performance and ease of handling, the PT-32EH patented torch produces clean, exceptionally high quality cuts. The new ergonomic handle offers dual-switch capability, extra comfort and a non-slip grip.

- Most compact 90 amp torch on the market
- New, durable torch cable prevents snagging on fixtures and materials
- Excellent cutting capacity—cuts up to 1-1/2 in. (38 mm)
- Uses shop air, cylinder air or nitrogen for superior versatility
- Pilot arc starting—even starts through paint
- Choice of 25 ft. (7.6 m) or 50 ft. (15.2 m) line length
- Excellent consumable life
- Parts in place design
- Patented torch and safety circuit
- Exclusive 40 amp Drag Nozzle
- One-year warranty

## Specifications

Cuts up to 1-1/2 in. (38 mm)  
 Current Capacity ..... 90 amps @ 100% duty cycle  
 Air Supply ..... 350 cfm @ 75-80 psig (165 l/min @ 5.2 - 5.5 bar)  
 Length of Service Lines ..... 25 ft. (7.6 m) or 50 ft. (15.2 m)  
 Dimensions  
 Overall Length ..... 8.2 in. (208 mm)  
 Length of Head ..... 3.0 in. (76 mm)

## Compatible ESAB Consoles

PowerCut® 875, PowerCut® 1125, PowerCut® 1250, and PowerCut® 1500

## Ordering Information

PT-32EH, 90°, 25 ft. (7.6 m) line ..... 0558003548  
 PT-32EH, 90°, 50 ft. (15.2 m) line ..... 0558003549

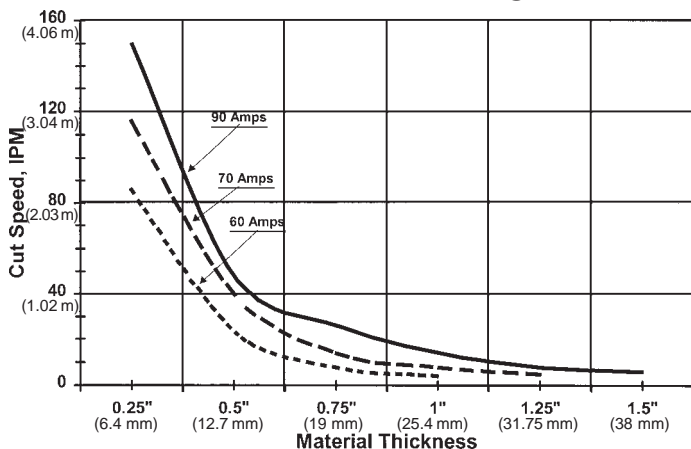
Torches and torch body assemblies are supplied without electrode, nozzle, heat shield and valve pin. Order individual components shown with PT-32EH parts breakdown on next page.



**PT-32EH CUTTING SPEEDS**  
 OUTPUT CURRENT 40AMPS w/AIR @ 75psi (5.2bar)

| Material        | Thickness (In.) | Cutting Speed (IPM) |
|-----------------|-----------------|---------------------|
| Carbon Steel    | 1/16 (1.6 mm)   | 200 (5 m)           |
|                 | 1/8 (3.2 mm)    | 98 (2.5 m)          |
|                 | 1/4 (6.4 mm)    | 36 (.91 m)          |
|                 | 3/8 (9.5 mm)    | 18 (.46 m)          |
|                 | 1/2 (12.7 mm)   | 11 (.3 m)           |
| Stainless Steel | 1/16 (1.6 mm)   | 138 (3.5 m)         |
|                 | 1/8 (3.2 mm)    | 58 (1.5 m)          |
|                 | 1/4 (6.4 mm)    | 18 (.46 m)          |
|                 | 3/8 (9.5 mm)    | 10 (.25 m)          |
|                 | 1/2 (12.7 mm)   | 6 (.15 m)           |
| Aluminum        | 1/16 (1.6 mm)   | 200 (5 m)           |
|                 | 1/8 (3.2 mm)    | 110 (2.8 m)         |
|                 | 1/4 (6.4 mm)    | 48 (1.2 m)          |
|                 | 3/8 (9.5 mm)    | 17 (.43 m)          |
|                 | 1/2 (12.7 mm)   | 14 (.36 m)          |

**PT-32EH CUTTING SPEEDS**  
 OUTPUT CURRENT 60, 70 & 90AMPS w/AIR @ 75psi (5.2bar)



Instruction Literature, PT-32 ..... F-15-440  
 Instruction Literature, PT-32EH ..... F-15-747  
 Sales Literature, order number (PT-32EH) ..... PAC-21091

## Optional Accessories

- 50/70 amp Spare Parts Kit (PC-875 "CE") ..... 0558004949
- 50/70 amp Spare Parts Kit (PC-875/1125) ..... 0558002822
- 70 amp Spare Parts Kit (PC-1250) ..... 0558003508
- 70 amp Spare Parts Kit (PC-1250) "CE" ..... 0558003560
- 90 amp Spare Parts Kit (PC-1500) ..... 0558003062
- 90 amp Spare Parts Kit (PC-1500) "CE" ..... 0558003557

### Plasma Flow Measuring Kit

This valuable troubleshooting tool allows measurement of the actual plasma gas flow through the torch ..... 19765

### Torch Guide Kit

This complete kit, in a rugged plastic carrying case, includes attachments for circle and straight line cutting on ferrous and non-ferrous metals.

Deluxe: 1-3/4 in. (44.5 mm) - 42 in. (106 cm) Radius ... 0558003258

Basic: 1-3/4 in. (44.5 mm) - 28 in. (71 cm) Radius ..... 0558002675

### Stand-off Guide

For proper stand-off distance when drag cutting ..... 0558002393

40 amp Drag Nozzle ..... 0558002908

Gouging Nozzle ..... 0558003089

Heat Shield Gouging ..... 0558003090

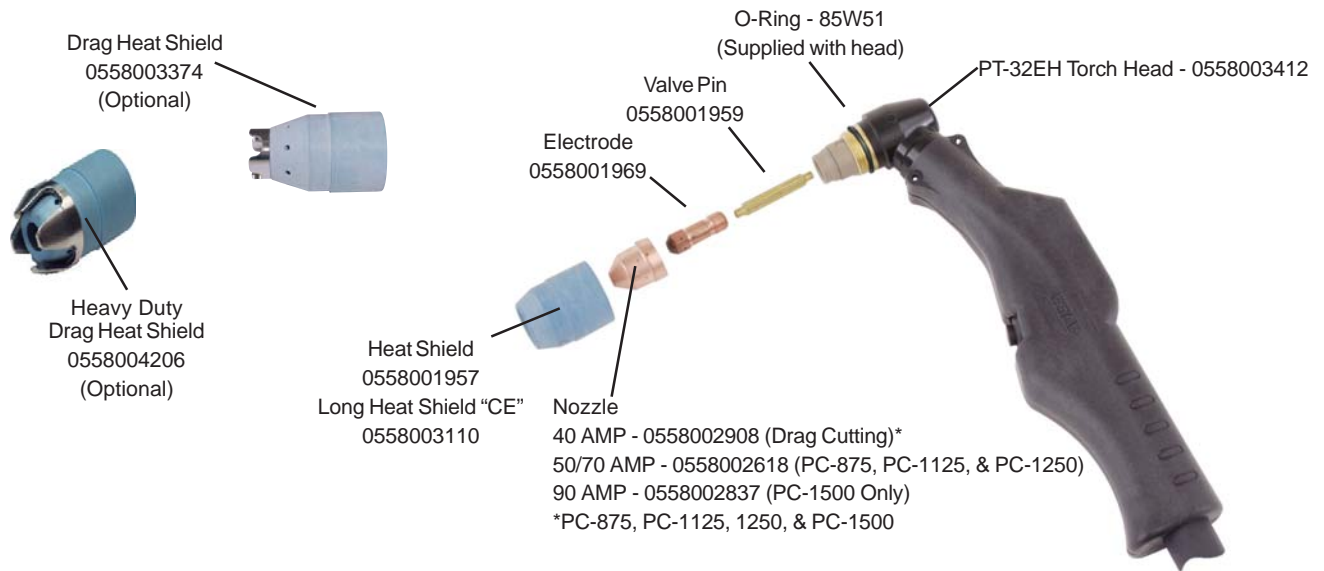
Heat Shield Long "CE" ..... 0558003110

### Drag Heat Shield

Metal feet built into heat shield allows accurate standoff distance for drag cutting ..... 0558003374

### Heavy Duty Drag Heat Shield

Suitable for piercing and heavy industrial use ..... 0558004206



## Contents of PT-32EH Spare Parts Kits

| Description        | Part Number | PC-875/1125    |           | PC-875 (CE)    |           | PC-1250        |        | PC-1250        |                  | PC-1500        |        | PC-1500        |                  |
|--------------------|-------------|----------------|-----------|----------------|-----------|----------------|--------|----------------|------------------|----------------|--------|----------------|------------------|
|                    |             | P/N 0558002822 | 50/70 Amp | P/N 0558004949 | 50/70 Amp | P/N 0558003508 | 70 Amp | P/N 0558003560 | 70 Amp 400V "CE" | P/N 0558003062 | 90 Amp | P/N 0558003557 | 90 Amp 400V "CE" |
| Heat Shield Long   | 0558003110  | -              | 2         | -              | 2         | -              | 2      | -              | 2                | -              | 2      | -              | 2                |
| Heat Shield        | 0558001957  | 2              | -         | 2              | -         | 2              | -      | 2              | 2                | -              | -      | -              | -                |
| 50/70 amp Nozzle   | 05580026184 | 4              | 4         | 4              | 4         | 4              | 4      | -              | -                | -              | -      | -              | -                |
| 90 amp Nozzle      | 0558002837  | -              | -         | -              | -         | -              | -      | 4              | 4                | -              | -      | -              | -                |
| 40 amp drag Nozzle | 0558002908  | 1              | 1         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |
| Electrode          | 0558001969  | 3              | 3         | 3              | 3         | 3              | 3      | 3              | 3                | 3              | 3      | 3              | 3                |
| Valve Pin          | 0558001959  | 1              | 1         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |
| Fuse 2 amp, 600vdc | 0558003075  | -              | -         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |
| Stand-off Guide    | 0558002393  | 1              | 1         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |
| Wrench             | 19129       | 1              | 1         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |
| Lubricant          | 17672       | 1              | 1         | 1              | 1         | 1              | 1      | 1              | 1                | 1              | 1      | 1              | 1                |