

# PT-38

## Manual plasma cutting torch

### Powerful plasma cutting/gouging

Powerful plasma cutting/gouging torch for cutting up to 38 mm material thicknesses. PT 38 torch has superior cutting performance and ease of handling combined with long part life. Resulting in clean high quality cuts with high speed. PT-38 can be used for all types of cutting and gouging within production, repair, maintenance and assembly. Use on all electrically conductive materials, e.g. mild steels, aluminium and "stainless steels".

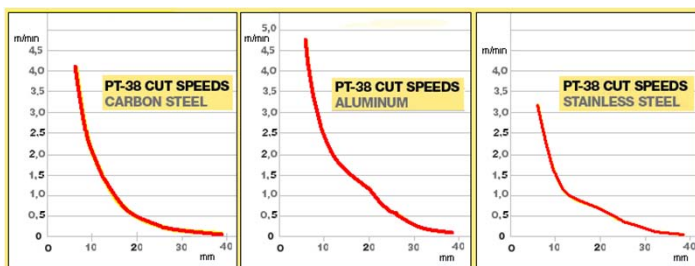


- Blowback technology – eliminates high-frequency starts that can disrupt electronic controls and nearby computer systems
- Ergonomic handle for operator comfort
- Big face switch maximizes convenience when wearing welder's gloves
- Easily repairable in the field
- Minimum part configurations
- Moulded strain relief for secure torch leads
- Tool-less quick disconnect torch connections to PowerCut™  
Disconnects from the machine without the use of wrenches or special tools. Easily disconnect your PT-38 torch for storage, repairs or replacement, or attach a PT-37 mechanized torch for mechanized applications
- Use with PowerCut™ 900, 1300 or 1600

#### Wear part kits

- **Keeps your parts organized. With the specifications in the lid it is easy to find and order the parts you need**
- **Kits are available for the capacities of PowerCut™ 900 (60A), 1300 (70A) or 1600 (90A)**
- **Available for CE (European versions) or North America versions**
- **Use the included silicon grease to keep the O-rings soft and increase their lifetime**

PT 38 performance with PowerCut 1600



PT 38 Wear parts kit



XA00155020

PT 38 Wear part kit for North America and export				
0558007639 90 Amp PC1600	0558007641 70 Amp PC1300	0558008418 60 Amp PC900	Item number	description
3	3	3	0558 005 220	Electrode
1	1	1	0558 005 217	Gas baffle 30 to 70 A
1	-	-	0558 004 870	Gas baffle 90 to 100 A
-	-	3	0558 008 417	Nozzle 60A
-	4	-	0558 005 219	Nozzle 70A
4	-	-	0558 007 680	Nozzle 90A
1	1	-	0558 007 682	Drag nozzle 40A
1	1	1	0558 007 549	Heat shield, North America version
3	3	3	0558 008 094	O-ring, torch to PowerCut
1	1	1	0558 008 094	Silicon grease, optimizes O-ring life
1	1	1	0558 008 094	Fuse, 2A

PT 38 Wear part kits in sturdy plastic boxes, for CE versions				
0558007640 90 Amp PC1600 CE	0558007642 70 Amp PC1300 CE	0558008419 60 Amp PC900CE	Item number	description
3	3	3	0558 005 220	Electrode
1	1	1	0558 005 217	Gas baffle 30 to 70 A
1	-	-	0558 004 870	Gas baffle 90 to 100 A
-	-	3	0558 008 417	Nozzle 60A
-	4	-	0558 005 219	Nozzle 70A
4	-	-	0558 007 680	Nozzle 90A
1	1	-	0558 007 682	Drag nozzle 40A
1	1	1	0558 008 094	Heat shield, CE version
3	3	3	0558 008 094	O-ring, torch to PowerCut
1	1	1	0558 008 094	Silicon grease, optimizes O-ring life
1	1	1	0558 008 094	Fuse, 2A

## Technical Data

<b>Permitted load @ 100% duty cycle, A:</b>	90
<b>Air requirements l/min (cfm):</b>	165 (400)
<b>Air requirements bars (psig):</b>	4.5-5.5 (80)
<b>Cuts max, mm (inch):</b>	38 (1.5)

## Wear parts for torch PT-38 (40-90 A)

	<b>Drag cut nozzle</b> max 40A 0558 007 682	
	<b>Gouging nozzles</b> 60A 0558 008 588 90A 0558 007 681	<b>O-ring between shield &amp; torch body</b> 0558 003 694
	<b>Heat shield</b> CE-long 40-90A 0558 008 094 NA 40-90A 0558 007 549	
	<b>Electrode</b> 0558 005 220	
	<b>Insulator/baffle cut/gouge</b> 40-60-70A 0558 005 217 90A 0558 004 870	
	<b>Cutting nozzles</b> 60A 0558 008 417 70A 0558 005 219 90A 0558 007 680	
	<b>The stand-off guide</b> Complete 60A 0558 008 592 Complete 90A 0558 006 614 - Blue body with O-ring 0558 006 614 - O-ring, separate 0558 000 734 - metal stand-off 0558 006 613	
	<b>Heat shield gouging</b> Complete 60A 0558 008 591 Complete 90A 0558 008 186 - Blue body 0558 006 611 - O-ring 0558 000 734 - 90A metal shield 0558 006 601 - 60A metal shield 0558 006 602	

## Ordering information

Excl baffle, electrode, nozzle and heat shield	Description	Item no
	PT-38 torch 7.6m (25ft)	0558 006 786
	PT-38 torch 15.2m (50ft)	0558 006 787

## Optional accessories

Description	Item no
Wear Parts Kit PT-38, CE, 60A, (PC900)	0558 008 419
Wear Parts Kit PT-38, NA, 60A, (PC900)	0558 008 418
Wear Parts Kit PT-38, CE, 70A, (PC1300)	0558 007 642
Wear Parts Kit PT-38, NA, 70A, (PC1300)	0558 007 641
Wear Parts Kit PT-38, CE, 90A, (PC1600)	0558 007 640
Wear Parts Kit PT-38, NA, 90A, (PC1600)	0558 007 639
Plasma Flow Measuring Kit	0558 000 739
Torch Guide Kit Deluxe max 1050 mm Radius	0558 003 258
Torch Guide Kit Basic: 45 to 750 mm Radius	0558 002 675
Extra Bushing for guide kits	0558 003 257
Leather sheath protection 7,6 m	0558 002 921
Leather sheath protection 15 m	0558 002 922

\*) Note CE wear part kits include the longer heat shields for Europe

Dragging the torch against the work-piece can, in many cases, give higher operator comfort. Choose between 40A drag nozzle, stand off guides or torch guide kits:

### The 40A drag nozzle

When using 40A or less you can drag the nozzle directly on the plate to be cut.



### The stand off guide

Consists of a body, an O-ring and a replaceable metal sleeve with feet that gives correct stand-off for the specified setting.



### The gouging heat shield

The body, O-ring (same as the stand-off guide) and a tougher replaceable metal gouging shield.



### Torch guide kits

The deluxe kit is a complete kit, in a rugged plastic carrying case, includes attachments for circles 45 to 1060 mm diameters (1 3/4" to 42 inches) and straight line cutting on ferrous and non-ferrous metals. Centre is fixed by pin, magnet or suction cup.



### The basic guide kit

is for circles of 45 to 750 mm (1 3/4" to 28 inches). Centre fixes with pin.



### The gas flow measuring kit

A valuable trouble shooting tool that allows measurement of the actual air flow through the torch.



### Leather sheath protection

This is an optional accessory, that protects the torch that leads from abrasion and molten metal. Fits most ESAB torches.



**ESAB AB**  
Box 8004  
SE-402 77 GÖTEBORG SWEDEN  
Phone: +46 31 50 90 00 Fax +46 31 22 04 49  
E-mail: info@esab.se

[www.esab.com](http://www.esab.com)