## **PT-27 Manual Torch**







- Most compact 80A torch on the market
- Excellent cutting capacity cuts up to 1 in. (25.4 mm); severs up to 1-1/4 in. (31.75 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) lead length
- Perfect electrode centering
- Intermittent cutting capability for grate or expanded metal applications
- Use with three cutting nozzle sizes for exceptional versatility
- Improved spring-loaded seat eliminates head burn-out

#### **Consoles**

The PT-27 can be used with the following older ESAB consoles:

- **PCM-80i**
- **PCM-750i**
- **PCM-875i**
- PCM-1000i
- PCM-1125i

#### **Ordering Information**

PT-27, 75° Torch Assembly

25 ft. (7.6 m) lead with ring terminal 21661   50 ft. (15.2 m) lead with ring terminal 21662   25 ft. (7.6 m) "CE" 35548
'For use in regions that require "CE" such as Europe, Russia, and Australia.
Cable Leads
25 ft. (7.6 m)
Note: All torch assemblies and replacement heads are supplied with the seat installed.
For units manufactured prior to 4/31/1995 (that have 2 twist lock plugs for torch hook-up) order #21620 or #21621.
<b>PT-27, 75°</b> 25 ft. (7.6 m) lead with plug



Designed for superior cutting performance and ease of handling, the PT-27 produces clean, exceptionally high quality cuts.

#### **Improved Seat Design**

PT-27 spring-loaded seat dramatically improves the torch head life by making the PT-27 resistant to damage due to improperly tightened consumables. This seat will not correct a torch head that is already burnt out, but it will prevent torch head burnout on functioning torches.

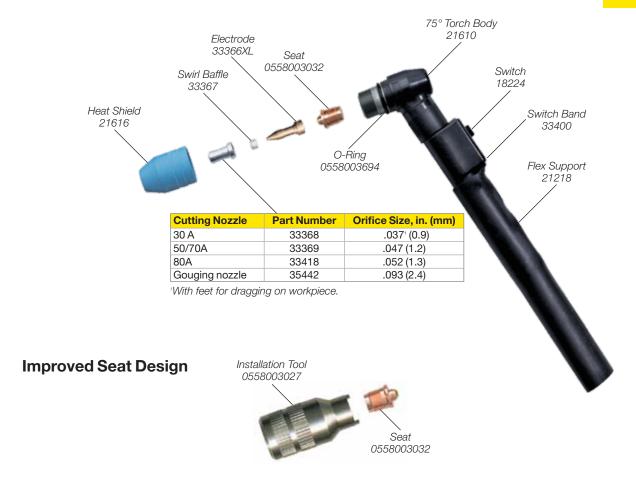
If your PT-27 torch still has the old style valve pin, you will need to retrofit the torch to the improved seat design.

#### **Options & Accessories**

Spare Parts Kits	
50-70A	21623
80A	
Plasma flow measuring kit	. 0558000739
Torch Guide Kits	
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
Seat	
Seat & installation instructions	. 0558003032
Installation tool	. 0558003027
Stand-off guide	
Gouging nozzle	
Gouging shield	35443

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### **Spare Parts Kit**

Description	Part Number	50/70A XT - 21623	80A XT - 21624
Heat shield	21616	2	2
Nozzles (50/70A)	33369	4	-
Nozzles (80A)	33418	-	4
Swirl baffle	33367	1	1
Electrode	33366XL	3	3
Fuse 15A, 600 VDC	952137	1	1
Stand off guide	21420	1	1
Lubricant .25 oz.	0558000443	1	1

## **Specifications**

PT-27		
Cuts, in. (mm)	1 (25.4)	
Severs, in. (mm)	up to 1-1/4 (31.75)	
Current capacity	80A @ 100% duty cycle	
Air supply, cfh @ psig (L/min)	320 @ 65 - 75 (150)	
Length of service leads, ft. (m)	25 (7.6) 50 (15.2)	
Dimensions, in. (mm)	7.3 (185) length, 3.06 (78) torch head	