

# PT-27

## Plasmarc manual cutting torch



- Most compact 80 Amp torch on the market
- Excellent cutting capacity—cuts up to 1 in. (25.4 mm); severs up to 1 ¼ 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



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

### Consoles

The PT-27 can be used with the following 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) European ..... 35548

#### Cable Leads

- 25 ft. (7.6 m) ..... 0558005677
- 50 ft. (15.2 m) ..... 0558006547

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:

#### PT-27, 75°

- 25 ft. (7.6 m) lead with plug ..... 21620
- 50 ft. (15.2 m) lead with plug ..... 21621

### Optional Accessories

#### Spare Parts Kit

- 50 - 70 A ..... 21623
- 80 A ..... 21624

#### Plasma Flow Measuring Kit ..... 0558000739

#### Torch Guide Kit

- Deluxe:** 1 ¼ in. (44.5 mm) 42 in. (106 cm) Radius .... 0558003258
- Basic:** 1 ¼ in. (44.5 mm) 28 in. (71 cm) Radius ..... 0558002675

#### Stand-off Guide ..... 21420

#### Gouging Nozzle ..... 35442

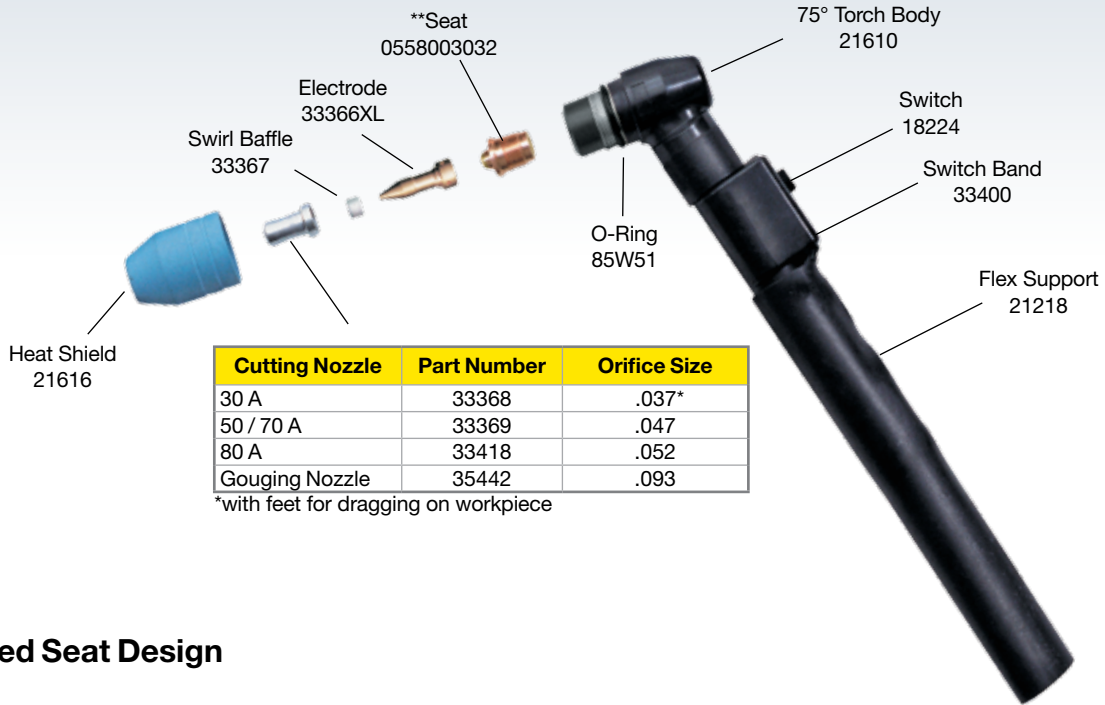
#### Gouging Shield ..... 35443

### Specifications

	PT-27
Cuts	1 in. (25.4 mm)
Severs	up to 1 ¼ in. (31.75 mm)
Current Capacity	80 A @ 100% Duty Cycle
Air Supply	320 cfh @ 65 - 75 psig (150 l/min)
Length of Service Leads	25 ft. (7.6 m) 50 ft. (15.2 m)
Dimensions	
Length	7.3 in. (185 mm)
Torch Head	3.06 in. (78 mm)

# PT-27

## Plasmarc manual cutting torch



Cutting Nozzle	Part Number	Orifice Size
30 A	33368	.037*
50 / 70 A	33369	.047
80 A	33418	.052
Gouging Nozzle	35442	.093

\*with feet for dragging on workpiece

### Improved Seat Design



NOTE: New and improved 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 burned out, but it will prevent torch head burnout on functioning torches.

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

### ORDERING INFORMATION

Seat and Installation Instructions (form 15-723) ..... 0558003032  
 Installation Tool ..... 0558003027

### Spare Parts Kit

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

Torches

