

# PT-31XL / PT-31XLPC

## Plasmarc manual cutting torches



- Excellent cutting capability—manually cuts up to ¾ in. (19 mm); severs up to 1 in. (25.4 mm)
- New, durable torch cable prevents snagging on fixtures and materials
- Equipped with patented safety interlock feature
- Uses shop air, cylinder air or nitrogen for superior versatility
- High frequency starting—even starts through paint
- Uses patented “XT” consumables



### Consoles

The PT-31XL and PT-31XLPC can be used with the following consoles:

- HandyPlasma 250
- HandyPlasma 380
- HandyPlasma 550
- PowerCut 650

Designed for superior operator comfort, ESAB's PT-31XL and PT-31XLPC are the most compact 50 Amp torches on the market.

### Ordering Information

- HandyPlasma 250**  
PT-31XL, 75° head, 12.5 ft. (3.8 m) lead..... 0558005300
- HandyPlasma 380**  
PT-31XL, 75° head, 15 ft. (4.6 m) lead ..... 0558004482
- HandyPlasma 550**  
PT-31XL, 75° head, 25 ft. (7.6 m) lead..... 0558004498
- PowerCut 650**  
PT-31XLPC, 75° head, 25 ft. (7.6 m) lead ..... 0558003183  
PT-31XLPC, 75° head, 50 ft. (15.2 m) lead ..... 0558005334
- HandyPlasma 380, 550 and 650 are assembled with “XT” consumables

### Specifications

PT-31XL - PT31XLPC	
Cuts	¾ in. (19 mm)
Severs	Up to 1 in. (25.4 mm)
Current Capacity	50 A @ 100% Duty Cycle
Air Supply	275 cfm @ 75 psig (130 l/min)
Length of Service Leads	25 ft. (7.6 m) 50 ft. (15.2 m)
Dimensions	
Length	5.25 in. (133 mm)
Torch Head	2.25 in. (57 mm)

### Optional Accessories

- Spare Parts Kit**
- 30/40A (HP-250) ..... 0558005281  
30/40A (HP-380, HP-550, PC-650)..... 0558003301  
30/40A (PT-31XL)..... 21980
- Plasma Flow Measuring Kit**..... 0558000739
- Torch Guide Kits**
- Deluxe:** 1 ¾ in. (44.5 mm) 42 in. (106 cm) Radius .... 0558003258  
**Basic:** 1 ¾ in. (44.5 mm) 28 in. (71 cm) Radius..... 0558002675
- Note: XT nozzles have extended shape.

### Instruction Manual

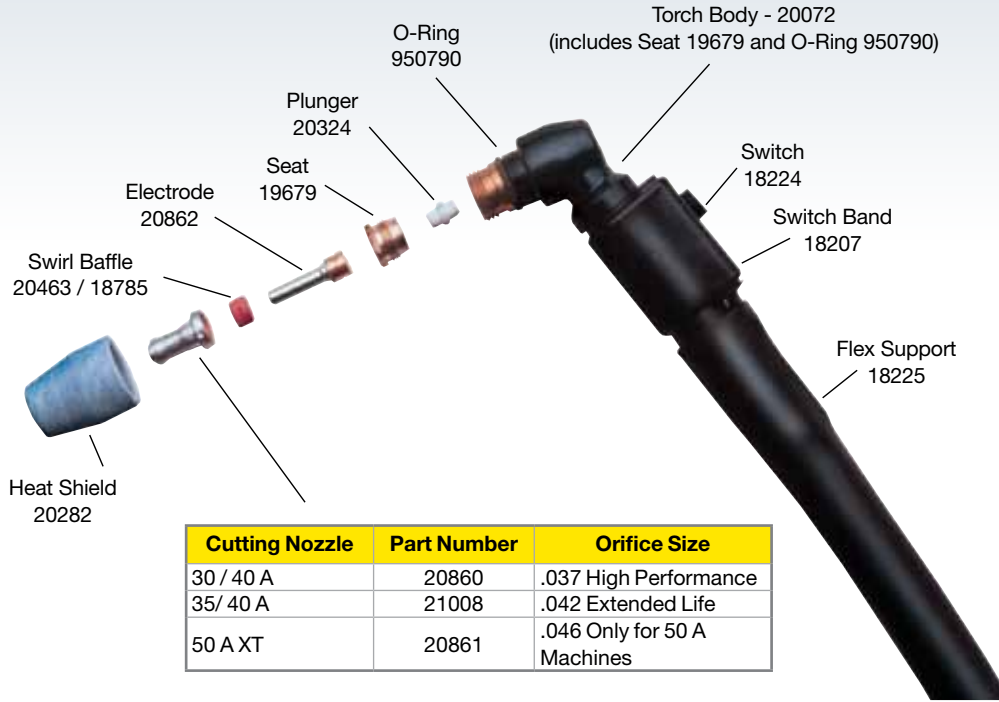
- PT-31XL.....F-14-246  
PT-31XLPC.....F-15-724

### Product Data Page

- PT-31XL.....PAC-21039  
PT-31XLPC.....PAC-21090

# PT-31XL / PT-31XLPC

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Cutting Nozzle	Part Number	Orifice Size
30 / 40 A	20860	.037 High Performance
35/ 40 A	21008	.042 Extended Life
50 A XT	20861	.046 Only for 50 A Machines

### Spare Parts Kit

Description	Part Number	21980 35/40 A	0558005281	0558003301
Heat Shield	20282	1	1	1
Nozzles (15/20 A)	19667	-	3	-
Nozzles (30/40 A)	20860	-	-	3
Nozzles (35/40 A) Ext. Life	21008	3	-	-
Swirl Baffle	20463	1	-	1
Swirl Baffle	18785	-	1	-
Electrodes	20862	2	-	2
Electrodes	18205	-	2	-
Lubricant .25 oz	0558000443	1	1	1

Torches

