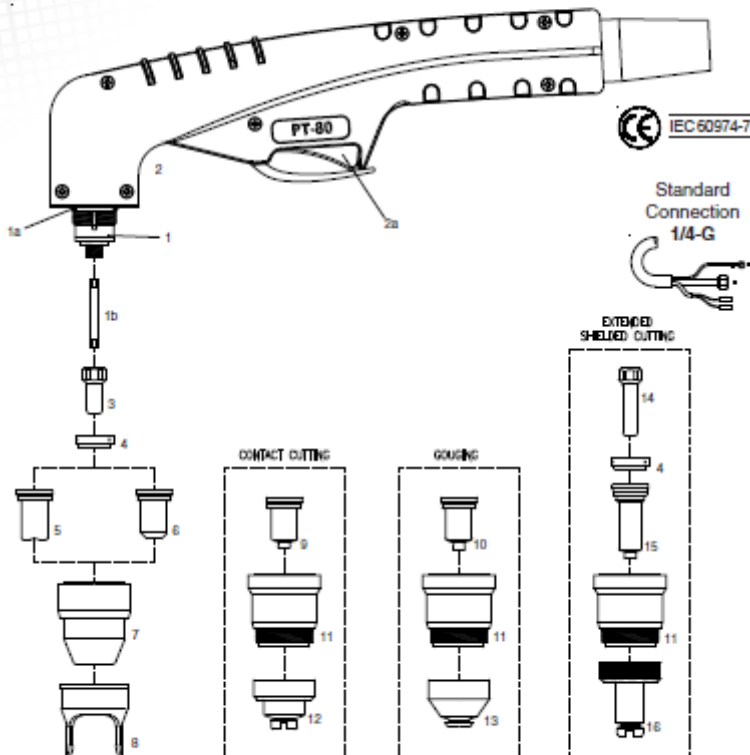


# PT-80

## Technical Data PT-80

**Current :** 30-80 Amps  
**Duty Cycle:** 80 Amps 60%  
**Gas:** Air/N<sub>2</sub>  
**Gas Pressure:** 65-75 psi (4.4-5.0 bar)  
**Gas Flow:** 340 scfh (160 lpm)  
**Pilot :** Electrode to Tip (18-22A)  
**Ignition:** Without HF

For the correct operation please use:  
 3-Ways Solenoid Valve, inside orifice  
 2.7-3.0 mm - (0.106-0.118 inches)



## Replacement Parts PT-80

### Torch parts

Item	Description	Code
1	● PT-80 Hand Torch Head	09800
1a	● O-Ring	51620.60
1b	● Cooling Tube	09800.42
2	● Handle with Switch	09705
2a	● Switch	07301.20
3	● Electrode, Back Striking	52558
4	● Swirl ring	60027
5	● Tip, Contact Cutting, ø 0.9, 30-40A, Back Striking	51310.09
6	● Tip, Cutting, ø 1.0, 40-50A, Back Striking	51311.10
	● Tip, Cutting, ø 1.1, 50-60A, Back Striking	51311.11
	● Tip, Cutting, ø 1.2, 60-70A, Back Striking	51311.12
	● Tip, Cutting, ø 1.3, 70-80A, Back Striking	51311.13
7	● Retaining Cap	60510
8	● Double Pointed Spacer (for use with item 6 only)	60434
N/S	● Wrench for electrode	60368

### Torches and Leads

PT-80	Hand Torch, 6m (20 ft) Leads, Coaxial Cable	09820CX
PT-80	Hand Torch, 12m (40 ft) Leads, Coaxial Cable	09825CX
PT-80	Lead Assembly, Hand, 6m (20 ft) Length, Coaxial Cable	09780CX
PT-80	Lead Assembly, Hand, 12m (40 ft) Length, Coaxial Cable	09785CX

### Accessories

Item	Description	Code
9	● Contact Tip, ø 1.0, 40-50A, Back Striking	51311S.10
	● Contact Tip, ø 1.1, 50-60A, Back Striking	51311S.11
	● Contact Tip, ø 1.2, 60-70A, Back Striking	51311S.12
	● Contact Tip, ø 1.3, 70-80A, Back Striking	51311S.13
10	● Tip, Gouging, 80A, Back Striking	51311G.16
11	● Shield Cup Body	60511
12	● Shield Cap, Hand	60504
	● Shield Cap, Gouging	60508
14	● Extended Electrode	52558L
15	● Extended Shielded Tip, ø 1.0, 40-50A	51311L.10
	● Extended Shielded Tip, ø 1.1, 50-60A	51311L.11
	● Extended Shielded Tip, ø 1.2, 60-70A	51311L.12
	● Extended Shielded Tip, ø 1.3, 70-80A	51311L.13
16	● Extended Shield Cap, Hand	60504L
N/S	● Circle Cutting Attachment	51853

*Torches with different cable covers  
 and connectors available on request.*

### Back Striking



**Monogas**

**Air or N<sub>2</sub>**