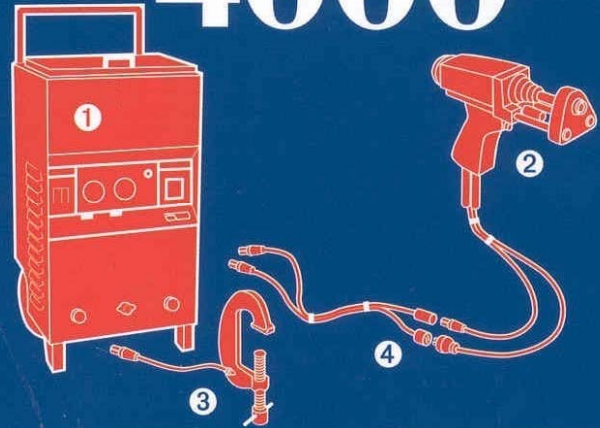


# Nelson® Model 101 Series 4000



## System Configuration

Item	Description	Part Number
1	Power/control unit, 208/230/460v	750-510-000
1B	Power/control unit, 230/380/415v	750-510-200
2	NS 40 Welding Gun	751-585-500
3	25 ft. Ground Cable and Clamp	720-070-000
4	50 ft. Combination Cable	722-000-059
Option	Steel Tranquil-Arc® Kit	512-241-000

## Recommended Settings—Drawn Arc

Stud Dia.	Weld Base Dia.	Time/Sec.	Current/Amps
3/16" (5mm)	0.187	0.15	300
1/4" (6mm)	0.250	0.17	425
5/16" (8mm)	0.312	0.25	500
3/8" (10mm)	0.375	0.33	550
1/2" (13mm)	0.448	0.55	800

## Duty Cycle

Rated at continuous operation

1/2" (13mm)	5 per minute
3/8" (10mm)	10 per minute
5/16" (8mm)	12 per minute
1/4" (6mm)	14 per minute

## Features & Benefits

- Uses single phase input current to minimize operating costs.
- Simplified solid state circuitry for reliability and ease of maintenance.
- Built-in chuck saver feature prevents accidental damage to gun accessories.
- Stepless adjustment of weld time and current allows for precise control of weld quality.
- Thermal protection feature prevents damage in extreme operating environments.
- Integral storage compartment with locking feature to protect gun, cables and parts.
- Wheel set makes unit extremely portable.

## Specifications Power Control Unit

Transformer Rating	850 amps
Stud Range	12ga. - 1/2" (3mm - 13mm)
Input voltage	208/230/460v, 60hz 230/380/415v, 50/60hz
Fusing	100 amp @ 230v 50 amp @ 460v
Timing Control	0.05 - 0.6 seconds stepless
Current Control	250 - 850 amps stepless
Case Dim.	31" H x 16" W x 16" D (787mm x 406mm x 406mm)
Weight	160 lbs. (72kg)

## Gun

Standard Duty Drawn Arc—  
NS 40, two wire, 751-585-500

Gun Capacity	5/8" (16mm)
Length	7-1/2" (190mm)
Weight w/o cables	3 lbs. 1 oz. (1.4kg)
Weight w/working weight of cables	4 lbs. 10 oz. (2.1kg)

NS 40  
Standard Duty Gun



NS 40	5/8" (16mm)
	7-1/2" (190mm)
	3 lbs. 1 oz. (1.4kg)
	4 lbs. 10 oz. (2.1kg)