

# PRO\*WELD™

By Nelson Fastener Systems

## CAPACITOR DISCHARGE STUD WELDING SYSTEMS

### CD-212

The CD-212 is a state-of-the-art solid state capacitor discharge stud/pin welder. Its lightweight design increases portability but with the power to weld 1/4" diameter flanged studs. The extremely short weld time of capacitor discharge process allows studs to be welded to material as thin as .015 without burn-through. The unit is capable of welding mild steel, stainless and aluminum studs, ranging from 14ga through 1/4" diameter.

### CD-312

The CD-312 is a state-of-the-art solid state capacitor discharge stud/pin welder. Its rugged design and user-friendly controls makes it simple to set up and use. The CD-312 is capable of welding 24 studs/min ideal for high production weld rate applications. The extremely short weld time of capacitor discharge process allows studs to be welded to material as thin as .015 without burn-through. The unit is capable of welding mild steel, stainless and aluminum studs, ranging from #2 through 5/16" diameter.

### CD-512

The CD-512 is a state-of-the-art solid state capacitor discharge stud/pin welder. Its rugged design and user friendly controls makes it simple to set up and use. The extremely short weld time of capacitor discharge process allows studs to be welded to material as thin as .015 without burn-through. The unit is capable of welding mild steel, stainless and aluminum studs, ranging from #2 through 3/8" diameter.



*Simple.  
Efficient.  
Durable.*

**ProWeld**

## SPECIFICATIONS

	CD-212	CD-312	CD-512
Dimensions	8.25"h x 9"w x 11.75"d	8.5"h x 10"w x 16.5"d	8.5"w x 13.25"h x 16.5"d
Mode	Contact / Gap (optional)	Contact / Gap (optional)	Contact / Gap (optional)
Stud Range	14 ga - 1/4"	#2 - 5/16"	#2 - 3/8"
Weld Rate	12 studs per min.	24 studs per min.	24 studs per min.
Weight	26 lbs. #2 - 5/16"	47 lbs.	55 lbs.
Input Power	110 vac, 60 Hz, 20 amps	110 vac, 60 Hz, 20 amps	110 vac, 60 Hz, 20 amps
Voltage Range	45-195 vdc	45-185 vdc	45-185 vdc
Capacitance	66,000 mfd	88,000 mfd	88,000 mfd low, 176,000 mfd high

## COMPONENTS

### CD-212

Item	Description	Part No.
Power Supply	110 vac 50/60 Hz	200-0048/200-0015
Power Supply	Gap*	200-0019
Weld Gun	L.D. B-Collet	300-0100
Weld Gun	L.D. Taper Base	300-0101
Weld Gun	L.D. Precision	300-0102
Weld Gun	Gap	300-0700
Weld Gun	Bantam C-2	300-0301
Ground Cable	#4 x 15' & clamp	125-0100

### CD-312

Item	Description	Part No.
Power Supply	110 vac 60 Hz	200-0012
Power Supply	Gap*	200-0020
Power Supply	110/220 vac 50/60 Hz	200-0024
Power Supply	Power Point	200-0030
Weld Gun	L.D. B-Collet	300-0100
Weld Gun	L.D. Taper Base	300-0101
Weld Gun	L.D. Precision	300-0102
Weld Gun	Gap	300-0700
Weld Gun	Bantam C-2	300-0301
Ground Cable	#4 x 15' & clamp	125-0100

### CD-512

Item	Description	Part No.
Power Supply	110 vac 50/60 Hz	200-0039/200-0013
Power Supply	Gap*	200-0021
Weld Gun	H.D. B-Collet	300-0200
Weld Gun	H.D. Taper Base	300-0201
Weld Gun	H.D. Precision	300-0202
Weld Gun	Gap	300-0700
Weld Gun	Bantam C-2	300-0301
Ground Cable	#2 x 15' & clamp (2)	125-0101

\*Gap units use "Y" ground Cable: (8') 125-0108 or (15') 125-0109; 2 AWG



**ProWeld™**

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