

PRO*WELD™

By Nelson Fastener Systems

CAPACITOR DISCHARGE STUD WELDING EQUIPMENT

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.



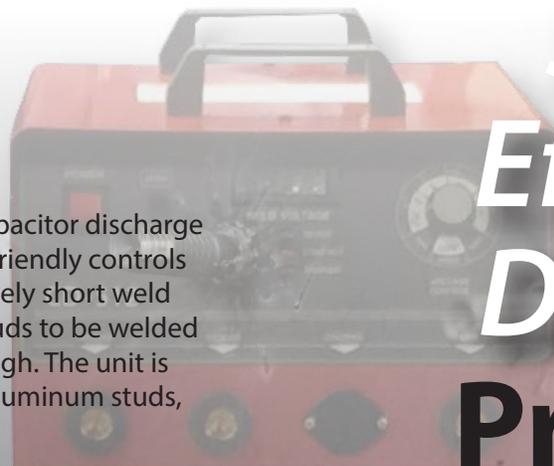
CD-312

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



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