

# STUD WELDING PRODUCTS, INC

*your number one stud*



## HBS CDi Capacitor Discharge Stud Welders

Models: CDi 502 | CDi 1502 | CDi 2302 | CDi 3102



### FEATURES

- Maximum charging energy- reliable welding, even on critical surfaces. Now with an even higher cycle sequence with 30% energy savings as a result of inverter-capacitor charging technology.
- Gun with linear ball-bearing for maximum precision. Extremely short welding times of 1-3 ms requires fast and reliable insertion.
- Shock resistance, vertically mounted capacitors. Dampening elements installed to maximize shock resistance of capacitors. Optimum distribution of electrolyte owing to vertically installed capacitors.
- Self formation protects the capacitors. After long idle time, the capacitors are charged gradually with in a few seconds. Uncontrolled charging can damage the capacitors.
- Robust device suitable for construction site environments. IP 23: protection against foreign bodies and splashing water. 1.5 mm thick, shock resistant casing.
- Digital LED display with easy to read, especially in direct sunlight.
- Library function recommends welding parameters can be called up directly ( the recommended charging voltage is specified after the stud diameter is selected) not including the 502

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## HBS CDi Capacitor Discharge Stud Welders



FEATURES	CDi 502	CDi 1502	CDi 2302	CDi 3102
<b>DESCRIPTON</b>	Entry level capacitor discharge stud welder incorporates inverter technology. Capable of welding pins and CD stud up to 1/4"	Capacitor discharge stud welder incorporates inverter technology. Capable of welding pins, cup head pins, CD studs ranging from #4 up to 1/4"	Capacitor discharge stud welder incorporates inverter technology. Capable of welding pins, cup head pins, CD studs ranging from #4 up to 5/16"	Capacitor discharge stud welder incorporates inverter technology. Capable of welding pins, cup head pins, CD studs ranging from #4 up to 3/8"
<b>WELD RANGE</b>	#4 - 1/4"	#4 - 1/4"	#4 - 5/16"	#4 - 3/8"
<b>DUTY CYCLE</b>	10 studs/min (1/4" setting)	14 studs/min (1/4" setting)	12 studs/min (5/16" setting)	6 studs/min (3/8" setting)
<b>CAPACITANCE</b>	100,000 $\mu$ F	66,000 $\mu$ F	99,000 $\mu$ F	132,000 $\mu$ F
<b>WELD ENERGY</b>	500 ws	1 600 ws	2 400 ws	3 200 ws
<b>PRIMARY POWER</b>	100 v to 240 v, 50/60 Hz, 10 AT	115 v/230 v, 50/60 Hz, 10 AT	115 v/230 v, 50/60 Hz, 10 AT	115 v/230 v, 50/60 Hz, 10 AT
<b>CHARGE VOLTAGE</b>	50 to 100 V stepless voltage regulation	50 to 220 V stepless voltage regulation	50 to 220 V stepless voltage regulation	50 to 220 V stepless voltage regulation
<b>SIZE</b>	14" x 7" x 10" with handle	16" x 8" x 10" without handle	19" x 8" x 10" without handle	19" x 8" x 10" without handle
<b>POWER UNIT WEIGHT</b>	21.83 lbs	30.87 lbs	37.48 lbs	39.68 lbs
<b>CABLE LENGTH</b>	9.8'	8.2'	8.2'	8.2'
<b>GROUND CABLE LENGTH</b>	8.2' (single)	8.2' (double)	8.2' (double)	8.2' (double)