SOUTHERN STUD WELD

HAS DESIGNED THE EASIEST, FASTEST WAY YET OF ATTACHING PLEXIGLASS TO ALUMINUM / ALUCOBOND ROUTED FRONTAL FACES ON FABRICATED METAL SIGNS. ALSO, NEON TUBE SUPPORTS AND REVERSE CHANNEL LETTER SUPPORTS. ASK US ABOUT YOUR SPECIFIC NEEDS, WE MAY BE ABLE TO HELP.

HOUSTON, TX. 1-800-929-0296
DALLAS/FT. WORTH TX. 1-877-929-6707
CAPACITOR DISCHARGE STUD WELDING

(1) Stud against work. (2) Stored energy discharged through special weld "timing" tip and stud starts downward. (3) Stud forced into molten metal. (4) Metal solidifies and weld is completed in a split second.

Capacitor Discharge (CD) Stud Welding is also a semi-automatic arc weld process. However, with CD welding small diameter fasteners (1/4" and under) are end welded to extremely thin gauge parent metal. The CD process operates on the principle of capacitor stored energy which is instantaneously discharged by the equipment system through a special weld "timing" tip. Since the entire weld cycle is completed in several milliseconds, welds can be made to thin sheet without pronounced distortion, burn-through or discoloration. CD welding permits stud welding of dissimilar metals.

CD STUD WELD VISUAL INSPECTION

The CD stud weld can be visually inspected by observing the fillet at the base of the stud. The following comments below will assist you in visually judging the quality of the weld.

GOOD WELD
Full, even fillet all around stud.
A. Correct power &
B. Spring pressure
C. Equal magnetic grounding forces.

COLD WELD
No or uneven fillet.
A. Not enough power or
B. Too much spring pressure.
C. Unequal magnetic grounding forces.

HOT WELD
Large crater-excessive metal expulsion, very shiny appearance.
A. Too much power or
B. Not enough spring pressure.

30% OF ALL STUD WELDING PROBLEMS COME FROM INCORRECT SET-UPS.
TAP PAD STUD FOR STAND OFF APPLICATIONS
REVERSE CHANNEL LETTER CLIPS

ALL THREAD

PLEXIGLASS BIRD GUARD

MOLLY

WALL

SELF STARTING SCREWS

CHANNEL LETTERS

SECTION A-A

NEON TUBE SUPPORT

STANDARD CLIPS

SECTION A-A

THICKNESS 080
X = 1" - 3"
Y = 3/4" - 1"

3/16
1-1/16
5/8

7/8

SLOT .200 .265

STANDARD REVERSE CHANNEL LETTER CLIP

LONG STANDARD REVERSE CHANNEL LETTER CLIP

3/16
1-1/16
5/8

SLOT .200 .265
MAKE YOUR MAN HOURS PRODUCTIVE AND YOUR RETURNS MORE PROFITABLE BY MAKING SIGNS USING S.S.W.'S NEW SIGN CLIPS.

- BOTH OFFSET CLIPS PROVIDE ADEQUATE SURFACE FOR BIRD GUARD MOUNTING.
- INSIDE OFFSET CLIP REMOVES CLIP FROM VIEW.
- OUTSIDE OFFSET CLIP ATTACHES TO WALL WITHOUT DISASSEMBLING LETTER.
SIGN FRAME AND STRUCTURAL FABRICATION

STRUCTURAL
SIGN FRAMING
MADE EASY.

NEON TUBE SUPPORTS

WASHER
NUT

SIGN FACE
ROUTERED LETTERS

ANGLE

NEON TUBE SUPPORT

.159 STUB WITH PUSH NUT
PLEXIGLASS

DIA. HOLE THROUGH PLEXIGLASS FOR TUBE SUPPORT WHERE REQ'D.

SECTION A-A

.159 STUD

NEON TUBE
SUPPORT

NEON TUBE

SAVES TIME AND MONEY!
SOUTHERN STUD WELD has designed the easiest and fastest way yet of attaching plexiglass to fabricated metal signs.

This product is manufactured of the most compatible alloys, to ensure the maximum weldability. It is easily fastened using a standard capacitor discharge stud welder. The stud has no threads, so finding the lead thread or paint in the threads is no longer a problem. The push nut has a built-in washer and locking function, therefore, the use of a washer, lock washer and nut is a thing of the past.

Installing the push nut is a simple thrust with a nut driver. To remove, simply unscrew the self threading push nut. THIS PRODUCT WILL SAVE TIME, LABOR AND MATERIAL. This means a cost-effective product to you.

<table>
<thead>
<tr>
<th>STUD</th>
<th>D</th>
<th>FD</th>
<th>MIN L</th>
</tr>
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<tbody>
<tr>
<td>.159</td>
<td>.221</td>
<td>3/8</td>
<td></td>
</tr>
<tr>
<td>.159</td>
<td>.221</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>.159</td>
<td>.221</td>
<td>1-1/4</td>
<td></td>
</tr>
</tbody>
</table>

.159 PLATED PUSH NUT
ALUMINUM ALLOY 1100 SERIES

3/4" O.D. - 3/8" HEX.

REUSABLE: PUSHES ON SCREWS OFF.

SPECIAL PLATING TESTED AT 1500 HR. SALT SPRAY TEST
CAPACITOR DISCHARGE SET-UP TIPS

STUD WELDING IS CLEAN, NEAT, FAST, AND EFFICIENT!

1. POSITIVE GROUND.
2. CLEAN GROUND AND WELDING AREA FROM PAINT, PRIMER, RUST, OXIDATION, ETC.
3. STRAIGHTEN CABLES (DO NOT COIL CABLES).
4. CLEAN C-CLAMPS FOR POSITIVE GROUND.
5. WELD ZONE TO BE AS CLOSE TO MIDDLE OF DOUBLE GROUNDS AS POSSIBLE.

110/120 V POWER SUPPLY
SINGLE OR DOUBLE GROUND

- CONTROL CABLE
- WELDING CABLE
- POSITIVE GROUND GROUND CLAMP
- POSITIVE GROUND GROUND CLAMP
- STUD GUN
- CAPACITOR DISCHARGE STUD WELDER
- SIGNAGE CD-308 CD-318 CD-8000
- INDUSTRIAL CD-312 CD-512

90% OF ALL STUD WELDING PROBLEMS COME FROM INCORRECT SET-UPS.

RENTAL EQUIPMENT AVAILABLE
HOW TO FIND THE OPTIMUM COMBINATION OF STUD SIZE AND BASE METAL THICKNESS IN ORDER TO PREVENT REVERSE-SIDE MARKING.

**BASE METAL THICKNESS**

**MILD STEEL**
BASE METAL: Mild Steel
STUD: Mild Steel, Flanged or Small Flanged

**STAINLESS STEEL**
BASE METAL: Stainless Steel
STUD: Stainless Steel, Flanged or Small Flanged

**ALUMINUM**
BASE METAL: Aluminum
STUD: Aluminum, Flanged or Small Flanged

NOTE: Alloy of base material and stud tip size can influence the degree of reverse-side marking.

**INDUSTRIAL ADJUSTABLE COLLET STOP FOR CD PINS**
Use adjustable stop in rear of collet (short studs, flange approximately 1/8" from end of collet) with open spark shield on short to medium studs. For long studs, use spark shield with close fitting diameter for guide purposes.

**ADJUSTABLE STOP**

HEAVY STRAIN RATE FOR ALUMINUM
VERY IMPORTANT AS FOR YOUR INDIVIDUAL GUN SET-UP.
### Flanged - No Thread

**Material:**
- **Low Carbon Steel:** C: 0.23% max, Mn: 0.8% max, P: 0.04% max
- **Stainless Steel:** AISI grade 304/304L/304L/305 std, other grades available upon request
- **Aluminum:** 1100 & 5000 series std, other alloys available upon request
- **Brass:** 610-630 std, other alloys available upon request

**Mechanical Properties:**
- Tensile: 60,000 psi (min.), Yield: 50,000 psi (min.), Extemperatue: 20% (in 0°F), Values for various alloys available upon request.

<table>
<thead>
<tr>
<th>Size</th>
<th>Steel Type</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5</td>
<td>CD F NT</td>
<td>500</td>
</tr>
<tr>
<td>M6</td>
<td>CD F NT</td>
<td>500</td>
</tr>
<tr>
<td>M8</td>
<td>CD F NT</td>
<td>500</td>
</tr>
<tr>
<td>M10</td>
<td>CD F NT</td>
<td>500</td>
</tr>
<tr>
<td>M12</td>
<td>CD F NT</td>
<td>500</td>
</tr>
<tr>
<td>M16</td>
<td>CD F NT</td>
<td>500</td>
</tr>
</tbody>
</table>

**Plating:** Copper plating is standard.

**Annealing:** Studies are annealed where required.

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### Non Flanged - No Thread

**Material:**
- **Stainless Steel:** AISI grade 304/304L/304L/305 std, other grades available upon request
- **Aluminum:** 1100 & 5000 series std, other alloys available upon request
- **Brass:** 610-630 std, other alloys available upon request

**Mechanical Properties:**
- Tensile: 60,000 psi (min.), Yield: 50,000 psi (min.), Extemperatue: 20% (in 0°F), Values for various alloys available upon request.

<table>
<thead>
<tr>
<th>Size</th>
<th>Steel Type</th>
<th>Length</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>M6</td>
<td>CD NT NT</td>
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<tr>
<td>M8</td>
<td>CD NT NT</td>
<td>500</td>
</tr>
<tr>
<td>M10</td>
<td>CD NT NT</td>
<td>500</td>
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<tr>
<td>M12</td>
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<td>500</td>
</tr>
<tr>
<td>M16</td>
<td>CD NT NT</td>
<td>500</td>
</tr>
</tbody>
</table>

**Plating:** Does not apply to Stainless.

**Annealing:** Studies are annealed where required.
## ESTIMATED WEIGHTS OF THREADED STUDS IN POUNDS PER 1000 PIECES

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>4-40</th>
<th>6-32</th>
<th>8-32</th>
<th>10-24</th>
<th>1/4-20</th>
<th>5/16-18</th>
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<tbody>
<tr>
<td>1/4</td>
<td>0.89</td>
<td>1.00</td>
<td>1.39</td>
<td>1.79</td>
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<td>4.90</td>
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<tr>
<td>3/8</td>
<td>0.94</td>
<td>1.08</td>
<td>1.43</td>
<td>1.82</td>
<td>3.13</td>
<td>5.39</td>
</tr>
<tr>
<td>5/8</td>
<td>1.12</td>
<td>1.28</td>
<td>1.71</td>
<td>2.15</td>
<td>3.48</td>
<td>6.05</td>
</tr>
<tr>
<td>3/4</td>
<td>1.52</td>
<td>1.77</td>
<td>2.34</td>
<td>2.92</td>
<td>4.46</td>
<td>8.01</td>
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<tr>
<td>7/8</td>
<td>1.92</td>
<td>2.29</td>
<td>2.92</td>
<td>3.55</td>
<td>5.17</td>
<td>9.13</td>
</tr>
<tr>
<td>1</td>
<td>2.16</td>
<td>2.62</td>
<td>3.26</td>
<td>4.07</td>
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<td>11.76</td>
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<td>1-1/4</td>
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<td>3.92</td>
<td>4.77</td>
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<td>8.92</td>
<td>15.25</td>
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<tr>
<td>1-3/4</td>
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<td>7.33</td>
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<td>26.19</td>
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<td>2-1/2</td>
<td>5.11</td>
<td>6.51</td>
<td>7.88</td>
<td>9.69</td>
<td>15.43</td>
<td>30.50</td>
</tr>
</tbody>
</table>

### EACH ADD'L. INCH

| LENGTH         | 1.96 | 3.61 | 7.44 | 4.51 | 10.31 | 16.62 |

## ESTIMATED WEIGHTS OF NON-THREADED STUDS IN POUNDS PER 1000 PIECES

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>3/2</th>
<th>1/8</th>
<th>5/32</th>
<th>3/32</th>
<th>1/4</th>
<th>5/16</th>
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<tbody>
<tr>
<td>1/4</td>
<td>0.68</td>
<td>0.98</td>
<td>1.59</td>
<td>2.24</td>
<td>3.87</td>
<td>5.97</td>
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<tr>
<td>3/8</td>
<td>0.92</td>
<td>1.22</td>
<td>2.27</td>
<td>3.37</td>
<td>5.61</td>
<td>8.86</td>
</tr>
<tr>
<td>5/16</td>
<td>1.26</td>
<td>1.62</td>
<td>2.87</td>
<td>4.13</td>
<td>6.60</td>
<td>10.48</td>
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<td>1/4</td>
<td>1.49</td>
<td>1.98</td>
<td>3.42</td>
<td>4.76</td>
<td>7.09</td>
<td>11.41</td>
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<tr>
<td>3/8</td>
<td>1.64</td>
<td>2.08</td>
<td>3.60</td>
<td>4.93</td>
<td>7.34</td>
<td>11.64</td>
</tr>
<tr>
<td>5/16</td>
<td>1.80</td>
<td>2.34</td>
<td>4.08</td>
<td>5.72</td>
<td>8.72</td>
<td>13.86</td>
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<td>2.70</td>
<td>4.51</td>
<td>6.27</td>
<td>9.69</td>
<td>15.25</td>
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<td>3/4</td>
<td>2.60</td>
<td>3.45</td>
<td>5.09</td>
<td>6.92</td>
<td>10.43</td>
<td>16.62</td>
</tr>
<tr>
<td>1-1/4</td>
<td>2.82</td>
<td>3.82</td>
<td>5.42</td>
<td>7.26</td>
<td>11.09</td>
<td>17.71</td>
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<tr>
<td>1-1/2</td>
<td>3.19</td>
<td>4.29</td>
<td>6.01</td>
<td>8.00</td>
<td>12.32</td>
<td>20.54</td>
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<td>6.70</td>
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<td>23.17</td>
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<td>7.51</td>
<td>10.00</td>
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<td>2-1/4</td>
<td>4.72</td>
<td>6.27</td>
<td>8.32</td>
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<td>20.00</td>
<td>31.78</td>
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<td>6.93</td>
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<td>12.00</td>
<td>23.50</td>
<td>36.10</td>
</tr>
</tbody>
</table>

### EACH ADD'L. INCH

| LENGTH         | 1.92  | 3.48 | 5.42 | 7.71 | 13.94 | 21.70 |

## CD STUD LOAD STRENGTHS

### STUD MATERIAL

#### LOW-CARBON COPPER-FLASHEE STEEL

<table>
<thead>
<tr>
<th>STUD SIZE</th>
<th>6-32</th>
<th>8-32</th>
<th>10-24</th>
<th>1/4-20</th>
<th>3/32-16</th>
<th>5/16-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM FASTENING TORQUE (Inch Lbs.)*</td>
<td>570</td>
<td>675</td>
<td>950</td>
<td>1750</td>
<td>2300</td>
<td>2300</td>
</tr>
<tr>
<td>ULTIMATE TENSILE LOAD (Lbs.)</td>
<td>575</td>
<td>675</td>
<td>950</td>
<td>1750</td>
<td>2300</td>
<td>2300</td>
</tr>
<tr>
<td>MAXIMUM SHEAR LOAD (Lbs.)</td>
<td>575</td>
<td>675</td>
<td>950</td>
<td>1750</td>
<td>2300</td>
<td>2300</td>
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</table>

#### STAINLESS STEEL 304

<table>
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<tr>
<th>STUD SIZE</th>
<th>6-32</th>
<th>8-32</th>
<th>10-24</th>
<th>1/4-20</th>
<th>3/32-16</th>
<th>5/16-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM FASTENING TORQUE (Inch Lbs.)*</td>
<td>700</td>
<td>800</td>
<td>1050</td>
<td>1900</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>ULTIMATE TENSILE LOAD (Lbs.)</td>
<td>700</td>
<td>800</td>
<td>1050</td>
<td>1900</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>MAXIMUM SHEAR LOAD (Lbs.)</td>
<td>700</td>
<td>800</td>
<td>1050</td>
<td>1900</td>
<td>2500</td>
<td>2500</td>
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#### ALUMINUM ALLOY 6061

<table>
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<th>STUD SIZE</th>
<th>6-32</th>
<th>8-32</th>
<th>10-24</th>
<th>1/4-20</th>
<th>3/32-16</th>
<th>5/16-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM FASTENING TORQUE (Inch Lbs.)*</td>
<td>640</td>
<td>740</td>
<td>1200</td>
<td>2000</td>
<td>2800</td>
<td>2800</td>
</tr>
<tr>
<td>ULTIMATE TENSILE LOAD (Lbs.)</td>
<td>640</td>
<td>740</td>
<td>1200</td>
<td>2000</td>
<td>2800</td>
<td>2800</td>
</tr>
<tr>
<td>MAXIMUM SHEAR LOAD (Lbs.)</td>
<td>640</td>
<td>740</td>
<td>1200</td>
<td>2000</td>
<td>2800</td>
<td>2800</td>
</tr>
</tbody>
</table>

#### BRASS 70-30 (200) 65-35 (206)

<table>
<thead>
<tr>
<th>STUD SIZE</th>
<th>6-32</th>
<th>8-32</th>
<th>10-24</th>
<th>1/4-20</th>
<th>3/32-16</th>
<th>5/16-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM FASTENING TORQUE (Inch Lbs.)*</td>
<td>630</td>
<td>800</td>
<td>1320</td>
<td>2500</td>
<td>3750</td>
<td>3750</td>
</tr>
<tr>
<td>ULTIMATE TENSILE LOAD (Lbs.)</td>
<td>630</td>
<td>800</td>
<td>1320</td>
<td>2500</td>
<td>3750</td>
<td>3750</td>
</tr>
<tr>
<td>MAXIMUM SHEAR LOAD (Lbs.)</td>
<td>630</td>
<td>800</td>
<td>1320</td>
<td>2500</td>
<td>3750</td>
<td>3750</td>
</tr>
</tbody>
</table>

*These values should develop fastener tension to slightly less than yield point.
CD STUD WELDING ACCESSORIES

STANDARD ADJUSTABLE CD CHUCKS

STUD DIA.
12 GA
1/8 or #5
10 GA or #6
#8

STUD DIA.
3/16 or #10
1/4
5/16
3/8

“B” COLLETS

STUD DIA.
14 GA
3/32
#2
3/32
3/32
#3
12 GA
1/8
#4
1/8
#5
10 GA
1/8
#6
1/8
9 GA
5/32
159
#8
3/16
1/16
10
215
#12
1/4
5/32
273
5/16
5/16
7/16
3/8

“O”-Rings - (2) Req'd. (for collets up to 1/4“)

INDUSTRIAL ADJUSTABLE STOP

CUT FROM END OF STOP FOR CORRECT STUD LENGTH

“B” STOP

COLLET STOP FOR CD PINS

There are many accessories available that are not shown. For special applications, please contact S.S.W. for more information.
CD COLLET EXTENSIONS

CHUCK EXTENSIONS

CD SPARK SHIELDS

STANDARD ADJUSTABLE FOOT

SPLIT ADJUSTABLE FOOT

TAGGING ACCESSORIES

A  Magnetic Tag Holder No Extension Tagging Collet Adapter
# 9 Collets for CD 312

B  Extension 24”
Extension 12”
Extension 6”
MATERIAL TAGGING SYSTEM
.159" SKIRTED COLLAR STUD FOR
ROUGH SHEARED BAR ENDS

- REDUCES MAN HOURS / SPEEDS PRODUCTIVITY
- SIMPLIFIES TAGGING, ONE OPERATION
- PATENTED SKIRT DESIGN STANDARDIZES WELDS ON ROUGH SHEARED BAR END
- TIP DESIGNED FOR MINIMUM FLASH TO MINIMIZE NIGHT BLINDNESS

FOR MORE INFORMATION CALL SOUTHERN STUD WELD:
HOUSTON, TX. 1-800-929-0296 • FAX: (713) 691-3699
MATERIAL TAGGING STUD
STUD GUN SET-UP

MAGNETIC TAG HOLDER
(TO HOLD TAG IN PLACE)

ADAPTER PLATE

COLLET

METAL TAG

.159" SKIRTED COLLAR STUD.

3/8"

5/8"

159 DIA.

430 DIA.

SYSTEM MAYBE ADJUSTED
FOR PERMANENT OR KNOCK
OFF APPLICATION.

CHUCK EXTENTION

BILLET APPLICATION
A LIGHT WEIGHT CHUCK EXTENSION
WITH MAGNETIC TAG HOLDER REMOVES
OPERATOR FROM INTENSE HSAT ZONE.

EQUIPMENT

PATENTED SHIRT COIL TUNER
ALLOWS WELD CIRCUIT TO BE TUNED.

SKIRT COIL TUNER
PROVIDES MAXIMUM STRENGTH
IN WELD ZONE.

CAPACITOR DISCHARGE STUD WELDER WITH HEAVY DUTY GUN
AND SKIRT COIL TUNER.

DESIGNED FOR BOWL FEED OR ROBOTICS RETROFIT.
Complete system includes Proweld CD-312 Power source, skirt coil tuner, dual trigger tagging gun, magnetic tag holder, and chuck extension. One operation material tagging reduces man hours and speeds productivity. The patented skirted collar studs produce standardized welds on rough sheared bar ends. Produces minimum flash to minimize night blindness. With magnetic tag holder, tag is installed over stud prior to shooting. Light weight chuck extensions with magnetic tag holder removes operator from high heat zone. Skirt coil tuner allows weld circuit to be fused and provides maximum strength in weld zone.

MATERIAL TAGGING GUN AND ACCESSORIES;

DUAL TRIGGER GUN ASSURES CONSISTENT WELD QUALITY

MAGNETIC TAG HOLDER FOR ONE SHOT INSTALLATION OF STUD AND TAG.

LIGHTWEIGHT CHUCK EXTENSIONS REMOVE OPERATOR FROM HIGH HEAT ZONE.

PATENTED SKIRTED COLLAR STUDS

FOR MORE INFORMATION CALL SOUTHERN STUD WELD: 1 800-929-0296 FAX: (713)691-3699
The BMS-8N is a high quality stud welding system featuring microprocessor control, lightweight and compact design. This reliable system contains features to assure reliability and absolute safety. Southern Stud Weld offers the BMS-8N as a complete welding package, including a PS-1K contact gun, the capacitor power source, all required cables, a complete set of collets and tools, and the operation and maintenance manual, all inside a rugged plastic carrying case.

This complete system is ideal for the Aluminum Sign Industry, and also is capable of welding steel, stainless steel, copper, and brass. Will weld Aluminum fasteners up to 1/4" diameter and up to 5/16" diameter in other metals.

**BMS-8N Specifications**

- **Weld Range:** #6 - 5/16" (8m) with Steel, Stainless steel, and Brass. 1/4" Aluminum, depending on base material
- **Welding Process:** Tip ignition, gap or contact
- **Standard Gun:** PS-1 (gap) or PS-1K (contact, shown above) PS-OK (compact contact)
- **Power Source:** 66,000 µf/d capacitor bank
- **Charging Voltage:** 50 - 200 VDC Variable up/down
- **Welding Time:** .001 - .003 seconds
- **Duty Cycle:** Up to 20 studs/minute, depending on stud diameter
- **Mains supply:** 115/230 V 50/60Hz 10A Automatic voltage selection
- **Welding and Ground cables:** 10 ft Flexible
- **Dimensions:** 11" x 5" x 12" (w x h x d)
- **Weight:** 22.5 lbs
The BMS 10N stud welding system is a more powerful CD welder than the smaller 8N. It can weld steel studs up to 3/8" in diameter. The system is universally adaptable to different welding situations. The microprocessor controller ensures consistent weld parameters. The unit can interface with other devices, including the automatic stud feeding system, CNC controllers or PLCs. The system can be ordered with integrated shielding gas control.

The BMS-10N also supports all capacitor discharge stud welding methods, with the different guns that can be ordered with the system. Contact, gap, and stored drawn arc welding processes are achieved by using the appropriate Soyer gun with the BMS-10N controller.

**BMS-10N Specifications**

- **Weld Range:** #6 - 3/8" with Steel, Stainless Steel, and Brass. 5/16" Ø max Aluminum, depending on base material
- **Welding Process:** Tip ignition, gap or contact
- **Standard Gun:** PS-1 (gap, shown above) or PS-1K (contact), PS-OK (compact contact)
- **Power Source:** 88,000 μfd capacitor bank, optionally 132,000 μfd for 3/8" Ø Steel
- **Charging Voltage:** 50 - 220 VDC Variable up/down
- **Welding Time:** .001 - .003 seconds
- **Duty Cycle:** Up to 20 studs/minute, depending on stud diameter
- **Mains supply:** 110/220/230 VAC
- **Welding and Ground cables:** 10 ft Flexible
- **Dimensions:** 16" x 8" x 15" (w x h x d)
- **Weight:** 40 lbs
Southern Stud Weld distributes stationary production machines for stud welding. Our product line encompasses everything from manually operated tabletop systems to fully automatic CNC systems with automatic stud feeding, and multiple welding heads.

Please contact Southern Stud Weld by phone, fax or e-mail for detailed product information on these systems.

Southern Stud Weld Inc
Two Locations to Serve You
Dallas Toll Free 877 929-6707 3645 Conflans Irving, Texas 75061 Fax 972 313-0864
Houston 800 929-0296 3910-41 North Freeway Houston, Texas 77022 Fax 713 691-3699
http://www.studweld.com  e-mail ssw@studweld.com
**VISUAL INDEX**

THIS VISUAL INDEX SHOWS SOME OF THE STUD WELDING ATTACHMENTS AVAILABLE IN OUR STUD WELDING PRODUCT LINE. CALL S.S.W. AND WE WILL SEND YOU COMPLETE SPECIFICATIONS ON ATTACHMENT.

### CD STUDS

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<td>1.</td>
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<td>6.</td>
<td>AR CAP</td>
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<td>7.</td>
<td>CD TS-2 &amp; CD TS (TAGGING STUD)</td>
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<td>TAP PAD STUD RH OR LH THREAD</td>
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### ARC STUD WELDED ANCHORS

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**ASK US FOR MORE INFORMATION CONCERNING OUR ARC STUD PRODUCT LINE.**

**SOUTHERN STUD WELD,** with over 20 years experience in the stud welding business, is bringing new ideas and labor saving techniques to the Sign Industry. We are not just a supplier of product, but we will technically support your CD needs with our in-house service whether it be design, production, set-up or equipment problems.