

LES ATTACHES D.F. Inc.

STUD WELDING

**ARC WELD STUDS &
ARC STUD WELDING EQUIPEMENT**

Phone Mtl.: (514) 355-8066 / Toll Free: 1-888-355-8066
Fax.: (514) 355-8023 / E-mail: info@studwelding.ca

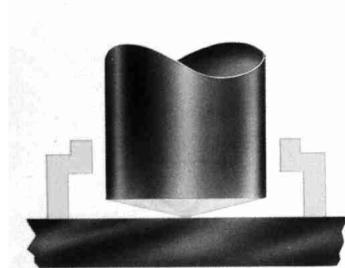
www.studwelding.ca

LES ATTACHES D.F. INC.

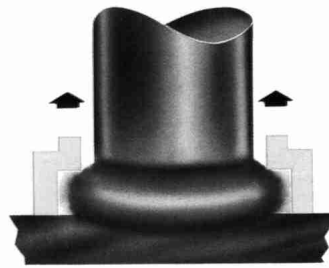
ARC STUDS GENERAL INFORMATION

THE ARC STUDWELDING PROCESS

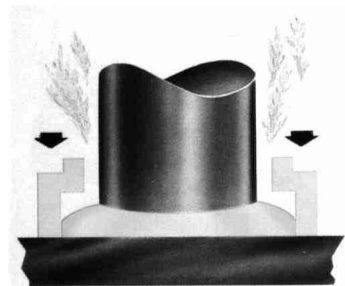
ARC Studwelding is generally used to weld larger diameter studs to thick base metals. ARC Studs may be almost any shape and there are literally hundreds, however, they must have one end of the stud designed for ARC welding and must be made of weldable materials.



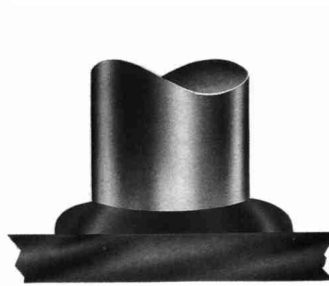
1. STUD AND CERAMIC FERRULE AGAINST THE WORK PLATE.



2. STUD LIFTS AND ARC IS DRAWN.



3. CONTROL TIMES OUT AND STUD PLUNGES INTO MOLTEN STEEL.



4. METAL SOLIDIFIES AND WELD IS COMPLETED IN MILLISECONDS.

***For more information,
consult your sales representative.***

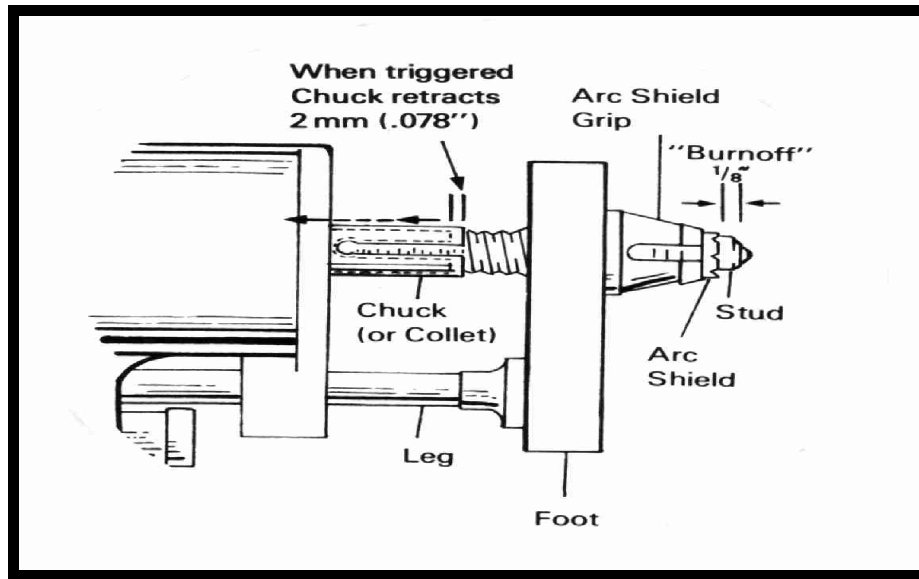
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ARC STUD FIXTURING



GUN SET-UP

The appropriate chuck, or stud holder, is inserted in the hole in the foot and secure with the locking screws to hold in place. Studs must NOT bind or hang up on the foot, ferrule grip, or ferrule during the entire stud welding process. Adjust the foot so that the stud is centered in the ferrule and no contact occurs between the stud and the ferrule during retraction or forward plunge of the stud.

Correct set-up on all ARC units is **1/8" to 3/16"** past the end of the ferrule.

The lift height, which determines the arc length and will automatically lift and plunge the stud during the welding process. "Lift", is the distance the gun will raise the stud above the welding surface during the weld. Improper lift will cause unsatisfactory welds. To measure lift, turn the studwelding unit on and set the timer to maximum time. Trigger the gun in the air to observe the lift cycle. Measuring the distance the stud or gun mechanism moves equals lift.

Recommended Lift Settings:	Stud base Dia.	Lift Setting
	Less than 1/2"	1/16"
	1/2 through 3/4"	3/32"
	Greater than 3/4"	7/64"

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consult your sales representative.***

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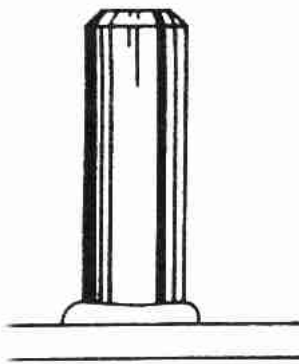
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THE ARC STUDWELDING

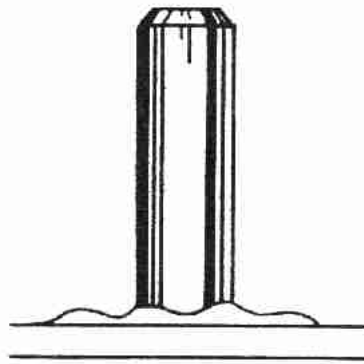
ARC STUDWELD INSPECTION (VISUAL)

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



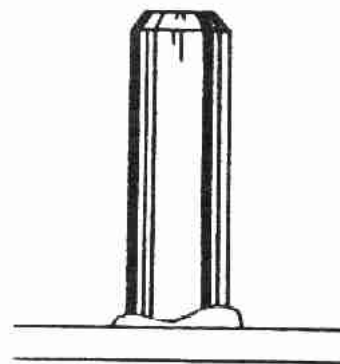
GOOD WELD

Full, even, shiny fillet all around stud.



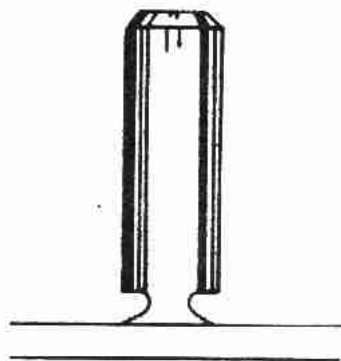
HOT WELD

Very shiny, low profile fillet extending beyond outside of ferrule.



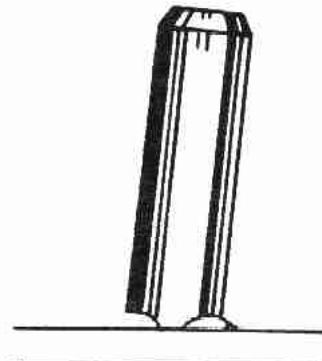
COLD WELD

Small, uneven, dull appearing fillet with fingers of metal extending through vents of ferrule.



**SHORT PLUNGE
OR HANG-UP**

No fillet, no stud burn-off, or undercut base.



MISALIGNMENT

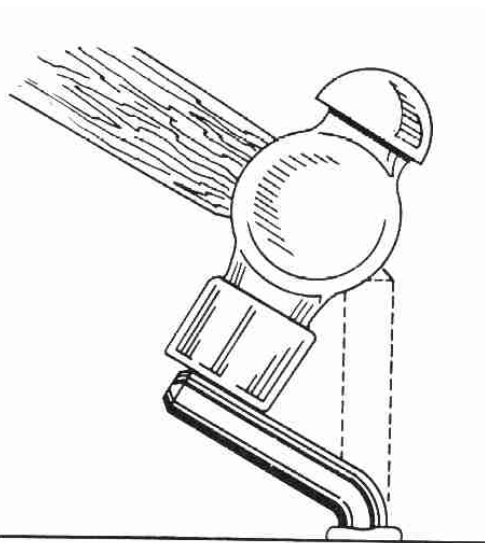
Partial or no fillet, undercut, stud not perpendicular to base metal.

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THE ARC STUDWELDING

ARC STUDWELD TESTING (PHYSICAL)

If, after visual inspection the weld quality is still questionable, or specification require, the welded stud can be submitted to additional testing. The following are suggested physical tests.

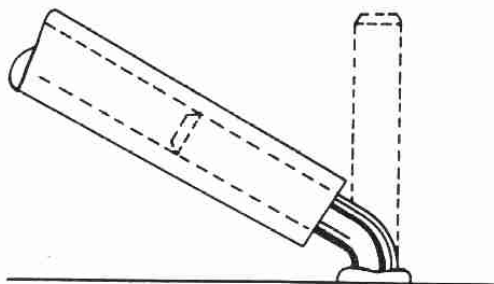


Bend Test with Hammer.

BEND TEST (See illustrations) : By striking the stud with a hammer, or by sliding a length of pipe or tube over the stud, the stud can be bent a minimum of 30° away from its axis, or until failure occurs. Satisfactorily welded studs should exhibit a complete 90° bend without failure.

TORQUE TEST : The stud may be torqued with conventional torque testing equipment by applying torque until a predetermined torque or proof load is reached or until failure occurs.

TENSILE TEST : The stud may be tested with conventional tensile testing equipment until a predetermined load is reached or failure occurs.



Bend Test with Pipe.

OTHER : The stud and weld can be submitted to other conventional forms of destructive or non-destructive testing as specifications may required.

LES ATTACHES D.F. INC.

THE ARC STUDWELDING

RECOMMENDED MINIMUM BASE METAL THICKNESS

STUDWELD BASE DIA. (IN.)	STEEL		ALUMINUM	
	WITHOUT BACKUP (IN.)	(GAGE)	WITHOUT BACKUP (IN.)	WITH BACKUP (IN.)
0.187 0.250	0.0359 0.0478	20 18	0.125 0.125	0.125 0.125
0.312 0.375	0.0598 0.0747	16 14	0.187 0.187	0.125 0.187
0.437 0.500	0.0897 0.1196	13 11	0.250 0.250	0.187 0.250
0.625 0.750	0.1480 0.1870	9		
0.875 1.000	0.2500 0.3750			

ARC STUDWELDING DC POWER SUPPLY REQUIREMENTS

POWER SUPPLY

STUD WELD BASE DIAMETER IN INCHES

(NEMA Rated)	UP TO 7/16"	1/2"	5/8"	3/4"	7/8"	1"
675 AMP. UNIT (ARC-500)	Shaded					
800 AMP. UNIT (ARC-500)	Shaded	Shaded				
1200 AMP. UNIT (ARC-1200)	Shaded	Shaded	Shaded			
1500 AMP. UNIT (ARC-1800)	Shaded	Shaded	Shaded	Shaded		
1700 AMP. UNIT (ARC-1800)	Shaded	Shaded	Shaded	Shaded	Shaded	
1900 AMP. UNIT (ARC-3000)	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded

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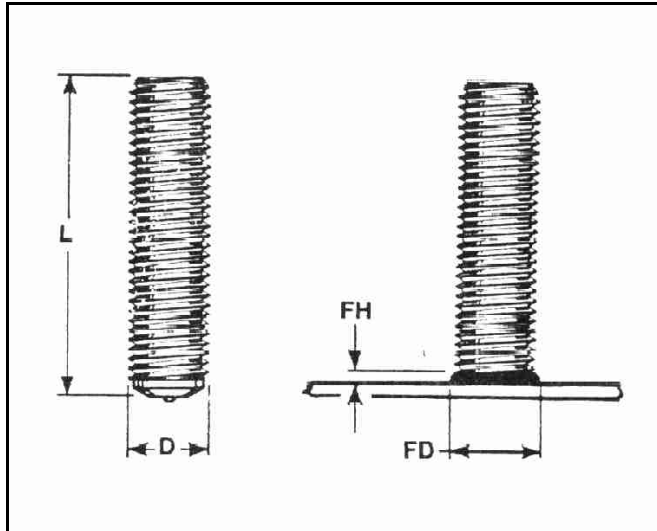
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ARC STUDS

FULL THREAD STUDS

D	L/min	FD	FH
#10	3/4	0.281	0.093
1/4	3/4	0.359	0.109
5/16	3/4	0.437	0.109
3/8	3/4	0.500	0.125
7/16	7/8	0.578	0.140
1/2	7/8	0.625	0.156
5/8	1 1/8	0.796	0.187
3/4	1 1/8	0.937	0.250
7/8	1 1/2	1.093	0.312



THREADS : Standard thread is UNC-2A (Rolled when possible), other threads are available upon request. Maximum standard thread length is 3 7/8”.

KNOCK-OFF Studs are available if shorter lengths are required.

FERRULES : Ferrules used when Studs 3/4” long are special “Short” ferrules. Ferrules are component parts of studs. Not sold separately

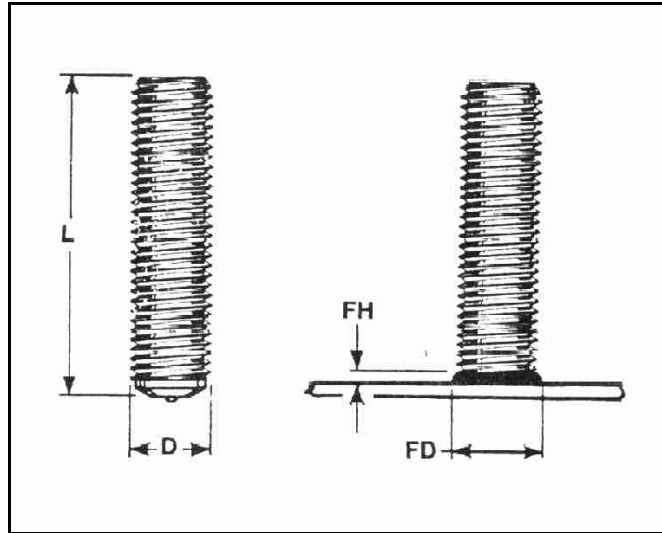
MATERIAL	LOW CARBON STEEL C - 0.23% max. P - 0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI Grade - 302/304/305 Std. Other grades available upon request.
MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

LES ATTACHES D.F. INC.

ARC STUDS

FULL THREAD STUDS (METRIC)

D	L/min	FD	FH
M5	16 mm	6.8 mm	2.0 mm
M6	16 mm	8.2 mm	2.5 mm
M8	16 mm	9.9 mm	3.0 mm
M10	20 mm	12.2 mm	3.0 mm
M12	20 mm	16.1 mm	3.5 mm
M16	20 mm	20.0 mm	4.5 mm
M20	20 mm	24.6 mm	5.0 mm



THREADS : Standard thread is METRIC (Rolled when possible), other threads are available upon request. Maximum standard thread length is 100 mm.

KNOCK-OFF Studs are available if shorter lengths are required.

FERRULES : Ferrules used when Studs 20 mm long are special “Short” ferrules. Ferrules are component parts of studs. Not sold separately

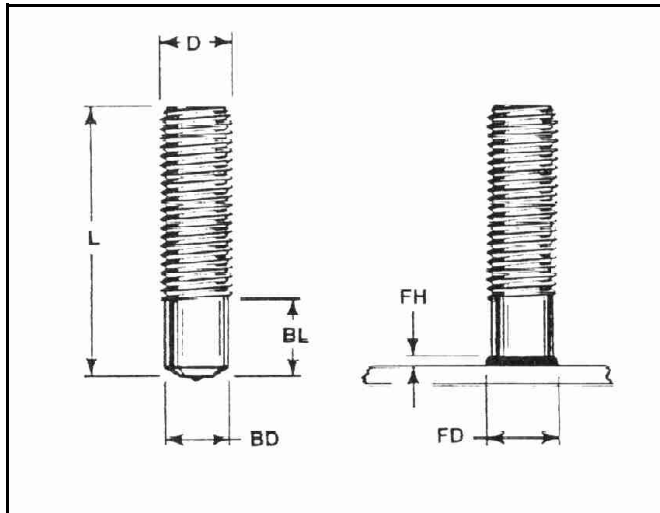
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

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ARC STUDS

PARTIAL THREAD STUDS

D	L/min	FD	FH	BD	BL/min
1/4	3/4	0.312	0.093	0.215	0.375
5/16	3/4	0.406	0.109	0.275	0.375
3/8	3/4	0.468	0.109	0.330	0.390
7/16	3/4	0.531	0.125	0.387	0.437
1/2	7/8	0.593	0.156	0.446	0.500
5/8	1	0.750	0.187	0.562	0.625
3/4	1 1/4	0.920	0.250	0.680	0.796
7/8	1 3/8	1.046	0.312	0.798	0.859
1	1 1/2	1.187	0.375	0.913	0.921



THREADS : Standard thread is UNC-2A (Rolled when possible), other threads are available upon request. Maximum standard thread length is 3 7/8”.

FERRULES : Ferrules used when Studs 3/4” long are special “Short” ferrules. Ferrules are component parts of studs. Not sold separately

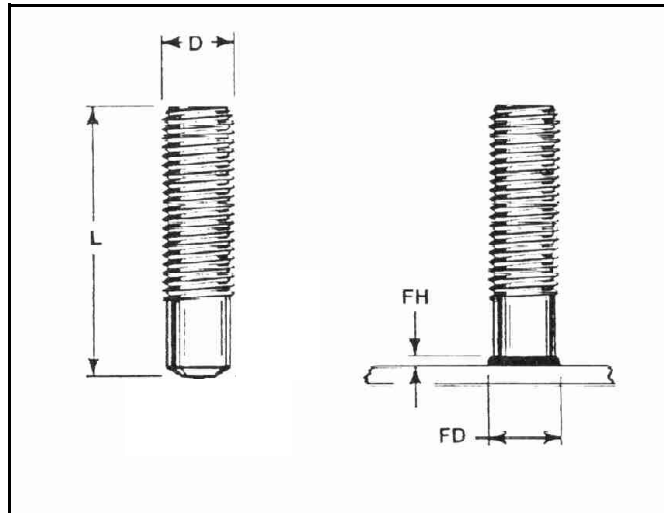
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

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ARC STUDS

PARTIAL THREAD STUDS (METRIC)

D	L/min	FD	FH
M6	40 mm	8.2 mm	2.5 mm
M8	40 mm	9.9 mm	3.0 mm
M10	40 mm	12.2 mm	3.0 mm
M12	40 mm	16.1 mm	3.5 mm
M16	40 mm	20.0 mm	4.5 mm
M20	40 mm	24.6 mm	5.0 mm



THREADS : Standard thread is Metric (Rolled when possible), other threads are available upon request. Maximum standard thread length is 100 mm.

FERRULES : Ferrules used when Studs 20 mm long are special “Short” ferrules. Ferrules are component parts of studs. Not sold separately

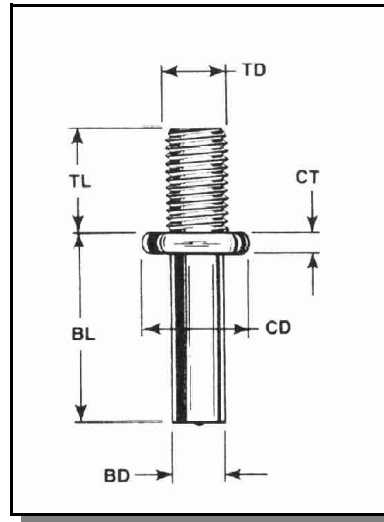
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

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ARC STUDS

COLLAR

TD	TL/min	BD	BL/min	CD	CT
1/4	0.375	0.215	0.500	0.500	0.093
5/16	0.375	0.275	0.500	0.562	0.093
3/8	0.500	0.330	0.500	0.625	0.109
1/2	0.625	0.448	0.593	0.750	0.140



THREADS : Standard thread is UNC-2A (Rolled when possible), other threads are available upon request.

FERRULES : Ferrules are component parts of studs. Not sold separately.

METRIC : Metric Arc collar stud available upon customer request.

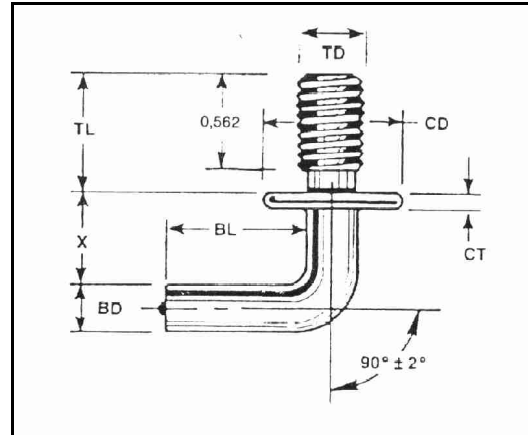
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

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ARC STUDS

BENT - COLLAR STUD

TD	TL/min	BD	BL/min	CD	CT
3/8	1.375	0.331	0.625	5/8	0.109



THREADS : Standard thread is UNC-2A (Rolled when possible), other threads are available upon request.

FERRULES : Ferrules are component parts of studs. Not sold separately.

METRIC : Metric Bent collar treaded studs available upon customer request.

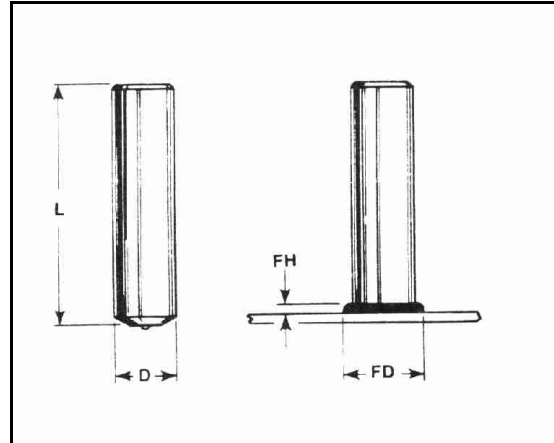
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

LES ATTACHES D.F. INC.

ARC STUDS

NO THREAD

TD	L/min	FD	FH
3/16	3/4*	0.281	0.093
1/4	3/4*	0.359	0.109
5/16	3/4*	0.437	0.109
3/8	3/4*	0.500	0.125
7/16	3/4*	0.578	0.140
1/2	7/8	0.627	0.156
5/8	1	0.796	0.187
3/4	1 1/8	0.937	0.250
7/8	1 1/4	1.093	0.312



KNOCK-OFF Studs are available if shorter lengths are required.

FERRULES : Ferrules used when Studs 3/4" long are special "Shot" ferrules. Ferrules are component parts of studs. Not sold separately.

METRIC : Metric full base arc pins available upon customer request.

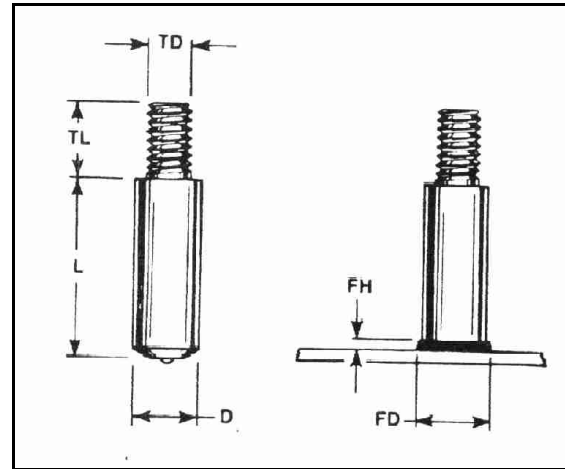
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MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
PLATING	Plating is not standard. Cadmium, Copper, Nickel, and Zinc available upon request.	Does not apply to Stainless

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ARC STUDS

SHOULDER - THREADED

TD	L/min	TD	TL/Max	FD	FH
1/4	0.312	#8	0.437	0.59	0.109
5/16	0.375	#10	0.500	0.437	0.109
3/8	0.375	1/4	0.750	0.500	0.125
7/16	0.437	5/16	0.875	0.578	0.140
1/2	0.500	3/8	1.000	0.627	0.156
5/8	0.625	1/2	1.250	0.796	0.187
3/4	0.625	5/8	1.625	0.937	0.250
7/8	0.750	3/4	1.875	1.093	0.312



THREADS : Standard thread is UNC-2A (Rolled when possible), other threads are available upon request.

FERRULES : Ferrules are component parts of studs. Not sold separately

METRIC : Metric shoulder studs available upon customer request.

MATERIAL	LOW CARBON STEEL C - 0.23% max. P - 0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI Grade - 302/304/305 Std. Other grades available upon request.
MECHANICAL PROPERTIES	Tensile 60 000 psi max. Yield 50 000 psi max. Elongation 20% (in 2 inches)	Values for various grades available upon request.
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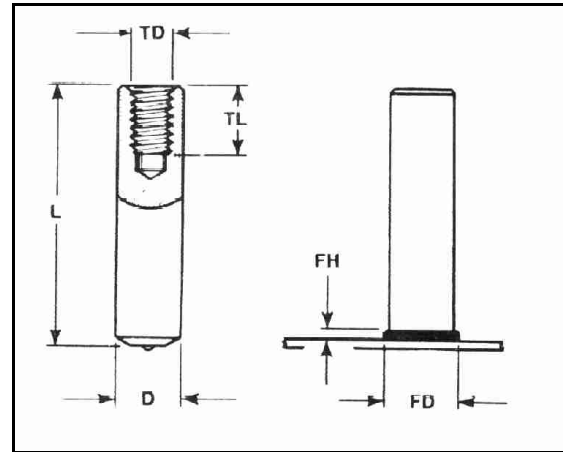
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ARC STUDS

TAPPED - FULL BASE

D	L/min	TD	TL*	FD	FH
1/4	9/16	8-32	1/4	0.359	0.109
5/16	21/32	10-24	9/32	0.437	.109
3/8	13/16	1/4-20	3/8	0.500	0.125
7/16	29/32	5/16-18	15/32	0.578	0.140
1/2	1 1/32	3/8-16	9/16	0.625	0.156
5/8	1 9/32	7/16-14	21/32	0.796	0.187
3/4	1 3/8	1/2-13	3/4	0.937	0.250
7/8	1 5/8	5/8-11	15/16	1.093	0.312



* Maximum standard tap depth equals 1 1/2 times tap diameter.

TAPS : Standard tap is UNC-2B, other threads are available upon request.

FERRULES : Ferrules are component parts of studs. Not sold separately.

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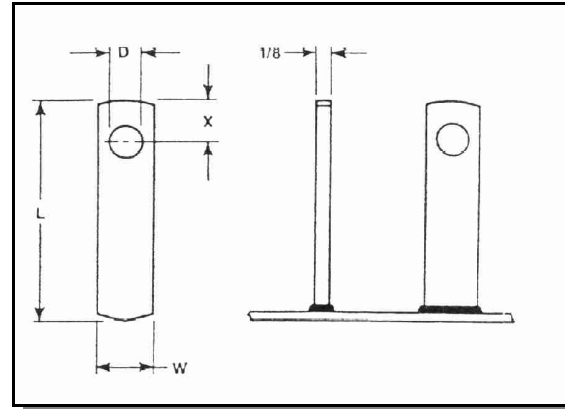
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ARC STUDS

RECTANGULAR - WITH HOLE

W	L/min	D	X
3/8	7/8	0.203	5/16
5/8	1	0.312	5/16



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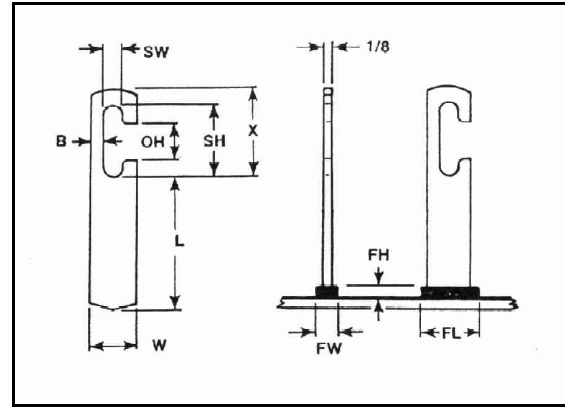
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ARC STUDS

RECTANGULAR - "T" SLOTTED

W	L/min	OH	SH	X
3/8	1/2	0.322	0.531	0.765
5/8	1/2	0.500	1.000	1.250

SW	B	FW	FL	FH
0.130	0.122	0.218	0.437	0.125
0.255	0.185	0.218	0.687	0.156



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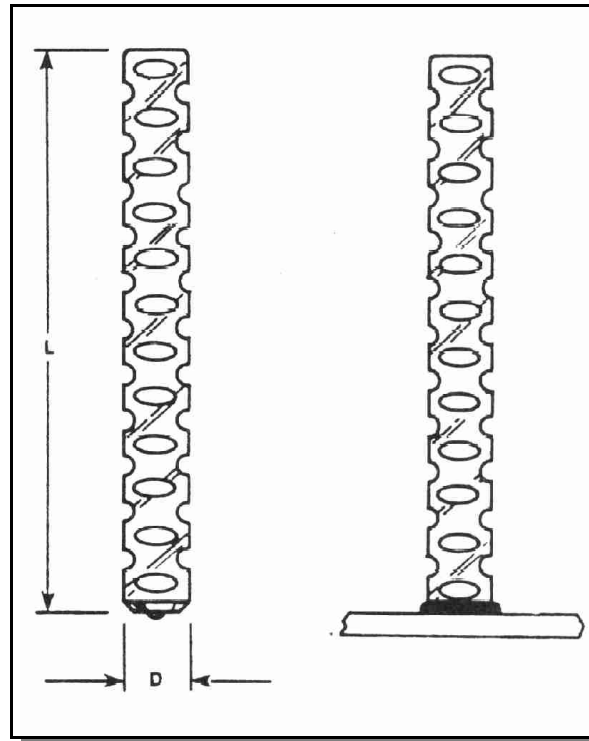
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ARC STUDS

DEFORMED CONCRETE ANCHOR

D	L/min
3/8	3/4
1/2	1
5/8	1

ALL ATTACHES D.F. ARC DEFORMED CONCRETE ANCHOR STUDS CONFORM TO THE REQUIREMENTS OF ASTM A496.



MATERIAL	LOW CARBON STEEL C - 0.23% max. P - 0.04% max. Mn - 0.90% max. S - 0.05% max.
MECHANICAL PROPERTIES	Tensile 80 000 psi (min.) Yield 70 000 psi (min.)

FERRULES : Ferrules are component parts of studs. Not sold separately.

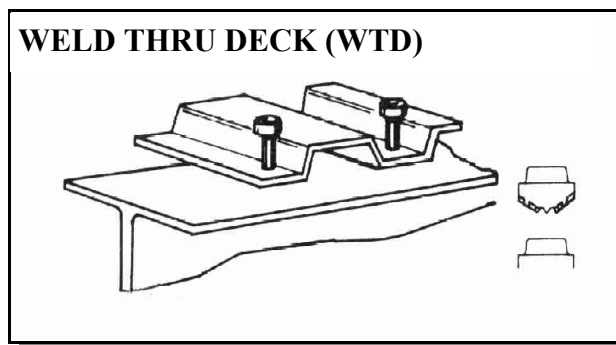
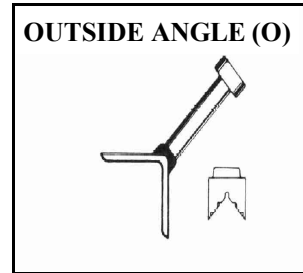
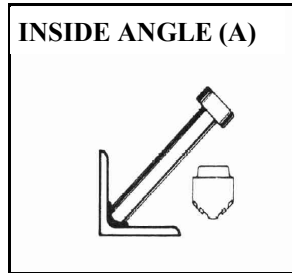
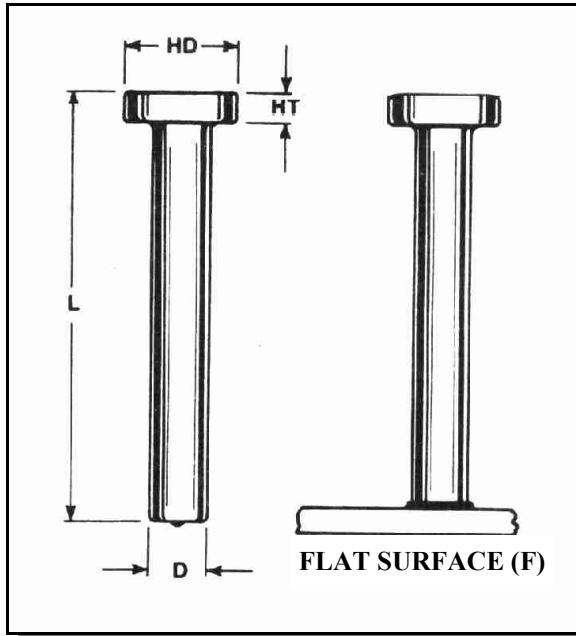
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 Fax.: (514) 355-8023 / E-mail: info@studwelding.ca
www.studwelding.ca

LES ATTACHES D.F. INC.

HEADED CONCRETE ANCHOR AND SHEAR CONNECTOR



HEADED CONCRETE ANCHOR

D	L	HD	HT
1/4	3/4	1/2	3/16
3/8	3/4	3/4	9/32
1/2	1	1	5/16
5/8	1	1 1/4	5/16

MECHANICAL PROPERTIES :
 Tensile 55 000 psi (min.)
 Elongation 20% (in 2 inches)

SHEAR CONNECTOR

D	L	HD	HT
3/4	1 1/2	1 1/4	3/8
7/8	2	1 3/8	3/8

MECHANICAL PROPERTIES:
 Tensile 60 000 psi (min.)
 Yield 50 000 psi (min.)
 Elongation 20% (in 2 inches)

All HEADED CONCRETE ANCHOR and SHEAR CONNECTOR are made from cold drawn stock conforming to the requirements of ASTM A108. Grades 1010 through 1020, inclusive, either semi-killed or killed deoxidation. All HEADED CONCRETE ANCHOR and SHEAR CONNECTOR are CWB, MTC approved to W59.

Headed concrete anchor and shear connector are available for welding to flat surface, inside angles, outside angles, and "thru deck". Each of these applications requires the proper style stud and ferrule, so please specify your application when ordering studs.

All information contained herein subject to change without notice.

PRO WELD

INTERNATIONAL

ARC-656

STUD WELDING POWER SUPPLY

DESCRIPTION

The ARC-656 is a compact, lightweight stud welding power supply capable of welding studs thru 1/2" diameter reduced weld base. The power supply which operates on three phase power produces a smooth, stable welding arc. The front panel digital display indicates the weld time which is infinitely adjustable for preciseness and repeatability.

The expanded timerange provides fine adjustment of weld time for special short cycle applications such as welding to thin materials.

A specially designed electronic gun control circuit has been incorporated to increase overall reliability. If a fault condition occurs dueto a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printedcircuit boards.

SPECIFICATIONS

DIMENSIONS:	8-1/4"H X 11-1/4"W X 17"D
OUTPUT:	650 AMPS @ 36 VDC
WEIGHT:	77 LBS
DUTY CYCLE:	3/8" 8/MIN
INPUT:	230/460/575 VAC 3 PHASE 60 Hz
FUSING:	60/30/30 DELAY TYPE
TIME CONTROL:	.015- 1.00 SEC

COMPONENTS

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
SYSTEM	100-0215	GROUND CABLE	
W/DAMPNER	100-0216	15FT X #2	125-0101
POWER SUPPLY	200-0027		
WELD GUN W/ 25' CABLE LENGTH	300-0802	W/DAMPNER	300-0803



FEATURES

- *Designed and built in U.S.A.
- *Precise weld time adjustments
- *Lightweight Aluminum cabinet
- *Short cycle capabilities
- *Diagnostic L.E.D.'s
- *State of the art gun control circuitry
- *Portable
- *1 Year warranty on Printed Circuit Board
- *Powder Coated

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PRO * WELD

INTERNATIONAL

ARC-1200

STUD WELDING POWER SUPPLY

DESCRIPTION

The ARC-1200 is a compact and portable stud welding power supply capable of welding studs thru 5/8" diameter weld base. The fully regulated power supply which operates on three phase power produces a smooth, stable welding arc. Both the weldtime and weld current are infinitely adjustable for preciseness and repeatability.

For maximum flexibility the weld time can be switched between two ranges. The expanded short time range provides fine adjustment of weld time for special short cycle applications such as welding to thin materials.

A specially designed electronic gun control circuit has been incorporated to increase overall reliability. If a fault condition occurs due to a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printed circuit boards.

SPECIFICATIONS

DIMENSIONS:	27-1/2" H x 17" W x 22" D
OUTPUT:	1300 AMPS @ 40 VDC
WEIGHT:	194 LBS.
DUTY CYCLE:	1/4" 20/MIN. 5/16" 15/MIN. 3/8" 13/MIN. 1/2" 8/MIN. 5/8" 4/MIN.
INPUT:	230/460/575 VAC 3 PHASE 60 Hz
FUSING:	120/60/50 DELAY TYPE
TIME CONTROL:	
STEPLESS ADJUSTABLE	RANGE A: .06 - .3 SEC. RANGE B: .1 - 1.0 SEC.
CURRENT CONTROL:	
STEPLESS ADJUSTABLE	400 - 1300 AMP

COMPONENTS

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
SYSTEM	100-0208	GROUND CABLE 25 FT. X 1/0	125-0102
POWER SUPPLY	200-0018	COMBO CABLE	
WELD GUN	300-0500	50 FT. X 1/0	125-1000



FEATURES

- *Designed and built in U.S.A.
- *Regulated output current
- *Precise weld time and weld current adjustments
- *Dual time range
- *Short cycle capabilities
- *Diagnostic L.E.D.'s
- *State of the art gun control circuitry
- *Built in chuck saver
- *Portable

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PRO WELD

INTERNATIONAL

ARC-1850

STUD WELDING POWER SUPPLY

DESCRIPTION

The ARC-1850 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. Stick welding and Arc air gouging processes are available only as an option. An added feature in the ARC-1850 is the ability to dial in the desired weld time and weld current before even making a weld. By selecting the setup mode, the weld time and current can be adjusted and displayed on the front panel digital meters.

A specially designed electronic gun control circuit has been incorporated into the system. If a fault condition occurs due to a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printed circuit boards.

SPECIFICATIONS

DIMENSIONS:	26"H x 24"W x 33"D
OUTPUT:	1850 AMPS @45 VDC
WEIGHT:	500 LBS.
DUTY CYCLE:	12 GA- 5/8" UNLIMITED 3/4" 10/MIN. 7/8" 4/MIN.
INPUT:	230/460/575 VAC 3 PHASE 60HZ
FUSING:	200/100/90 DELAY TYPE
TIME CONTROL:	STEPLESS ADJUSTABLE .1 - 1.6 SEC.
CURRENT CONTROL:	STEPLESS ADJUSTABLE 100 - 1900 AMP

COMPONENTS

DESCRIPTION:	PART NO.	DESCRIPTION:	PART NO.
SYSTEM: SINGLE	100-0210S	GROUND CABLE:	125-0104
DUAL	100-0210D	25' x 4/0	
POWER SUPPLY:		WELD GUN:	300-0600
SINGLE:	200-0022	COMBO CABLE:	125-1002
DUAL:	200-0023	50' x 4/0	



FEATURES

- *Designed and built in U.S.A.
- *Constant current output
- *Single or dual gun systems
- *Independent gun controls
- *Precise weld time and weld current adjustments
- *Digital display of actual weld time and weld current
- *Diagnostic LED's
- *State of the art gun control circuitry
- *Built in chuck saver
- *Auto safety shutdown

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PRO * WELD

INTERNATIONAL

ARC-3000

STUD WELDING POWER SUPPLY

DESCRIPTION

The ARC-3000 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. An added feature in the ARC-3000 is the ability to dial in the desired weld time and weld current before even making a weld. By selecting the setup mode, the weld time and current can be adjusted and displayed on the front panel digital meters.

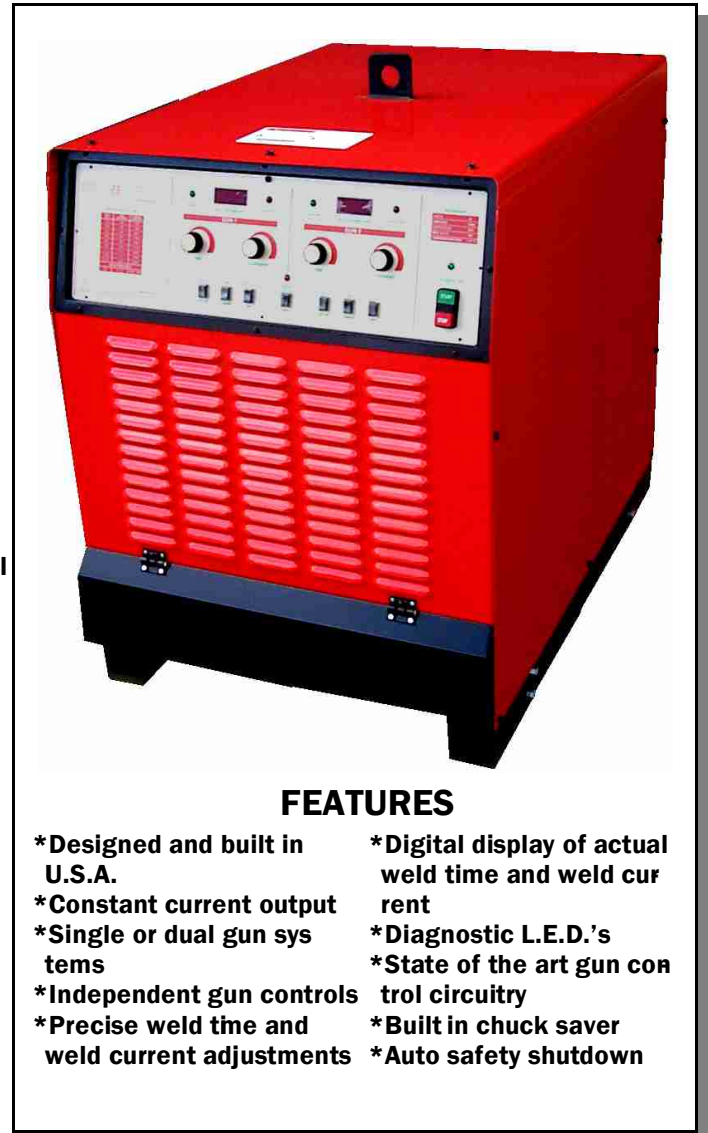
A specially designed electronic gun control circuit has been incorporated into the system. If a fault condition occurs due to a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printed circuit boards. The ARC3000 system is capable of welding studs from 1/4" diameter to 1 1/4" diameter with precision and repeatability.

SPECIFICATIONS

DIMENSIONS:	36" H x 28" W x 40" D
OUTPUT:	3000 AMPS @ 44 VDC
WEIGHT:	950 LBS.
INPUT:	230/460/575 VAC
FUSING:	400/200/180 DELAY TYPE
	3 PHASE/60 CYCLE
TIME CONTROL:	STEPLESS ADJUSTABLE
	1-1.8 SEC.
CURRENT CONTROL:	STEPLESS ADJUSTABLE
	400 - 3000 AMP
DUTY CYCLE:	1/4 - 3/8 UNLIMITED
	1/2" 60/Min 5/8" 30/Min
	3/4" 20/Min 7/8" 15/Min
	1" 10/Min.

COMPONENTS

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
SYSTEM: SINGLE:	100-0207S	GROUND CABLE:	
DUAL:	100-0207D	25 FT. X 4/0	125-0110
POWER SUPPLY		WELD GUN:	300-0601
SINGLE:	200-0016	COMBO CABLE:	
DUAL:	200-0017	50 FT X 4/0	125-1002

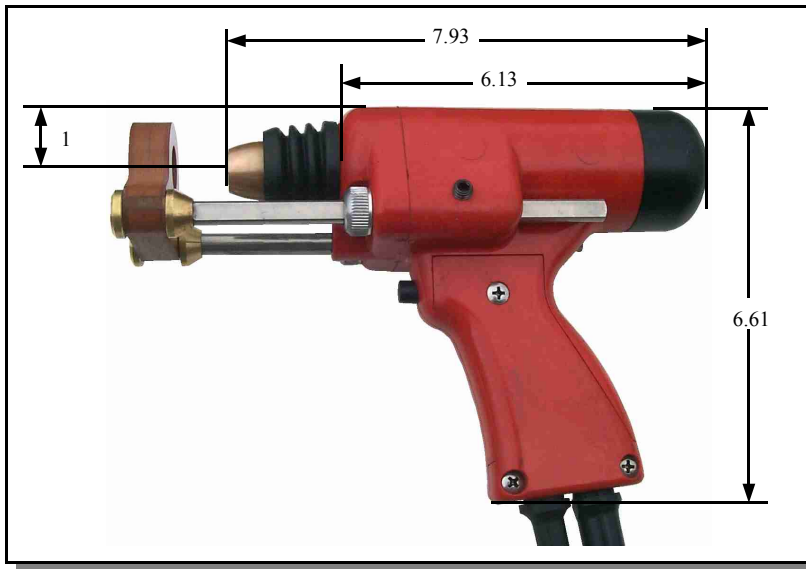


FEATURES

- * Designed and built in U.S.A.
- * Constant current output
- * Single or dual gun systems
- * Independent gun controls
- * Precise weld time and weld current adjustments
- * Digital display of actual weld time and weld current
- * Diagnostic L.E.D.'s
- * State of the art gun control circuitry
- * Built in chuck saver
- * Auto safety shutdown

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MODEL TYPE AG-800 AG-801 W/DAMPENER

The AG-800 is a light weight and compact, but rugged, semi-automatic stud welding tool designed to weld any length stud with a weld base diameter range of 12 gauge through 5/8 inches.

The AG-801 incorporates a plunge dampener in the gun to minimize weld spatter and provide better weld fillet control.

TYPICAL WORKING WEIGHT OF GUN

6.5 lbs.

Includes standard legs and foot piece plus 4 ft of cable from gun handle normally supported by operator.

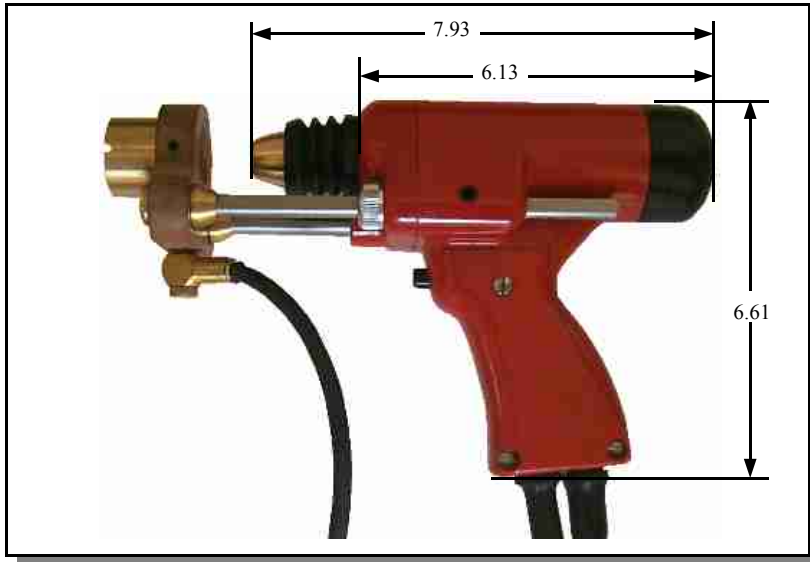
SHIPPING WEIGHT OF GUN

10 lbs.

Includes standard legs and foot piece plus approximately 8 ft of #1 weld cable and connectors.



NOTE: Chuck and ferrule grip are not standard and must be ordered separately



MODEL TYPE AG-804

The AG-804 is a set-lift style stud welding arc gun designed with fast response which is necessary for short cycle applications. The lift setting is adjustable. With the addition of the gas footpiece, ferruleless stud weld consistency is greatly improved.

The lightweight and compact, but rugged stud welding arc gun can weld any length stud with a weld base diameter of 12ga through 5/8 inches.

TYPICAL WORKING WEIGHT OF GUN

7 lbs.

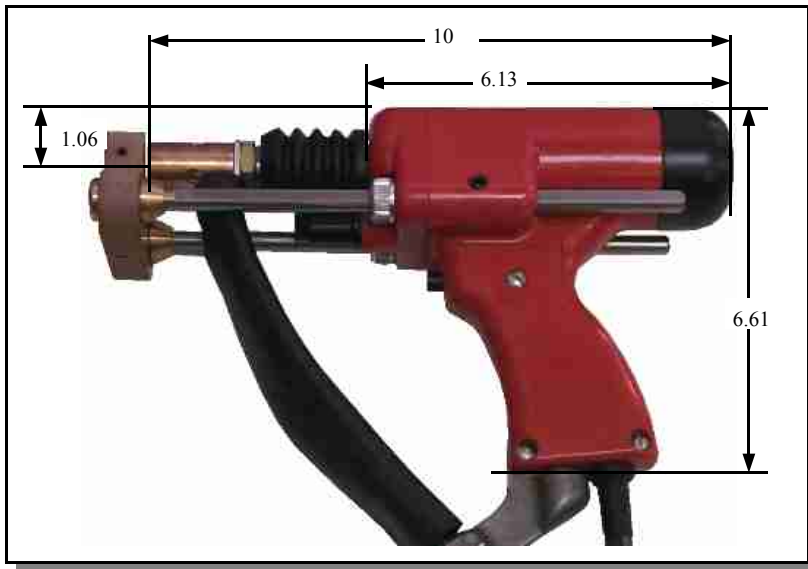
Includes standard legs and foot piece plus 4 ft of cable from gun handle normally supported by operator.

SHIPPING WEIGHT OF GUN

17 lbs.

Includes standard legs and foot piece plus approximately 25 ft of #1 weld cable and connectors.





MODEL TYPE AG-805

The AG-805 is shaped to the hand semi-automatic medium duty stud welding tool. Welds any length stud with a diameter range of 12 gauge through 5/8 inches.

TYPICAL WORKING WEIGHT OF GUN

7 lbs.

Includes standard legs and foot piece plus 4 ft of cable from gun handle normally supported by operator.

SHIPPING WEIGHT OF GUN

11 lbs.

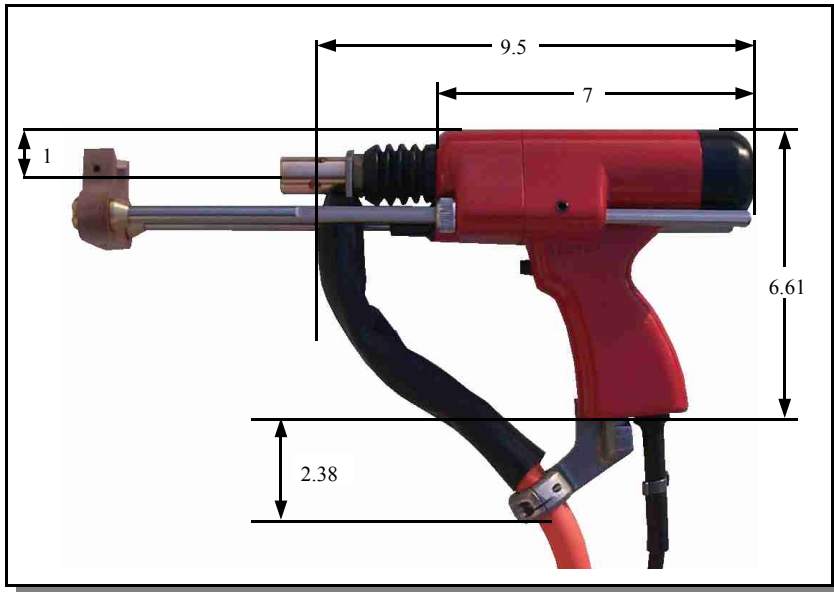
Includes standard legs and foot piece plus approximately 8 ft of 1/O weld cable and connectors.



NOTE: Chuck and ferrule grip are not standard and must be ordered separately

PRO WELD INTERNATIONAL

H.D. ARC GUN
P/N: 300-0900



MODEL TYPE AG-900

The AG-900 is shaped to the hand, semi-automatic stud welding tool. Welds any length stud with a diameter range of 5/8 to 1 1/4 inches..

TYPICAL WORKING WEIGHT OF GUN

9 lbs.

Includes standard legs and foot piece plus 4 ft of cable from gun handle normally supported by operator.

SHIPPING WEIGHT OF GUN

14 lbs.

Includes standard legs and foot piece plus approximately 8 ft of 4/O weld cable and connectors.



NOTE: Chuck and ferrule grip are not standard and must be ordered separately