

STUD WELDING *Accessories*

This catalog covers Stud Welding Accessories for most situations. It is broken down into 2 parts: arc and capacitor discharge. Care should be taken when reviewing accessories because there are subtle differences between many of them. If you have a special requirement or unusual situation, a Custom Accessory may be in order. Price breaks are available at 6, 11 & 26 pieces.

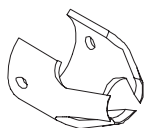
Contact your Image Sales Representative or the Factory. We can find a solution together.

FERRULE GRIPS *Standard*

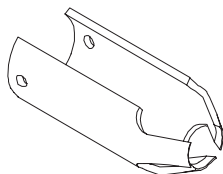
Brass Alloy Ferrule Grip



**Standard
Ferrule Grip**
1 in. long



**Split
Ferrule Grip**
1 in. long

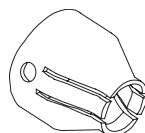


**Long Split
Ferrule Grip**
2 in. long

Stud Size	Required Foot	Grip Diameter	Standard Ferrule Grip	Split Ferrule Grip	Long Split Ferrule Grip
			1 in long	1 in long	2 in long
#10	Small	0.305	G19	GS19	
3/16	Small	0.305	G19	GS19	
1/4	Small	0.380	G25	GS25	GLS25
5/16	Small	0.445	G31	GS31	GLS31
3/8	Small	0.505	G37	GS37	GLS37
7/16	Small	0.585	G43	GS43	GLS43
1/2	Small	0.650	G50	GS50	GLS50
5/8	Medium	0.785	G62	GS62	GLS62
3/4	Medium	1.030	G75	GS75	GLS75
7/8	Large	1.203	G87	GS87	
1	Large	1.406	G1	GS1	

Brass alloy ferrule grips are harder and last longer than copper ferrule grips. Split grips are typically used with Headed Anchors and Shear Connectors. Long grips can improve access to tight spots where a foot and short grip might not reach.

Copper Ferrule Grip

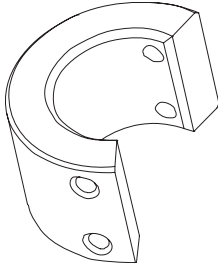


**Copper
Ferrule Grip**
1 in. long

Stud Size	Required Foot	Grip Diameter	Copper Ferrule Grip
			1 in long
1/4	Small	0.380	GC25
5/16	Small	0.445	GC31
3/8	Small	0.505	GC37
7/16	Small	0.585	GC43
1/2	Small	0.650	GC50

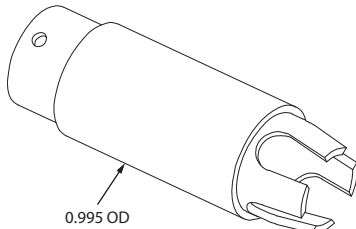
Copper ferrule grip information is only provided as a reference. If you use a copper ferrule grip part number Image will substitute the equivalent brass grip above.

Shear Connector Ferrule Grip



Stud Size	Part Number
1/2	GSC50
5/8	GSC62
3/4	GSC75
7/8	GSC87

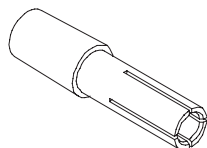
Teflon Tube Adapter



Stud Size	Required Foot	Grip Diameter	Part Number
1/4	Small	0.380	TTA25
5/16	Small	0.445	TTA31
3/8	Small	0.505	TTA37
7/16	Small	0.585	TTA43
1/2	Small	0.650	TTA50

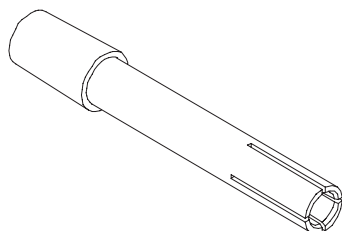
ADJUSTABLE CHUCKS *Standard*

Standard, Long & Extra Long Chucks



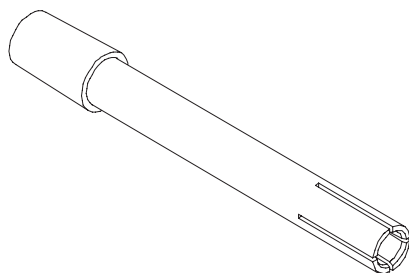
Standard Chuck

Less than 5/8" diameter the length is 2.50". Greater than 5/8" diameter the length is 3" OAL 3"



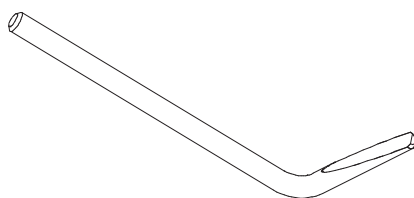
Long Chuck

3.87 in. long



Extra Long Chuck

4.75 in. long



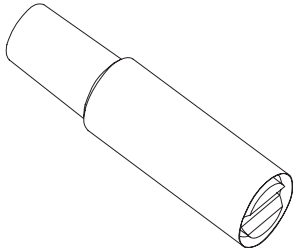
Chuck Ejection Tool
for all Tapered Chucks
Part Number CEK

Adjustable Chucks			
Stud Diameter	Standard Chuck	Long Chuck	Extra Long Chuck
	2.50 inches long	3.87 inches long	4.75 inches long
12ga	C10		
#4	C10		
1/8	C12		
10ga	C13	CL13	CEL13
#6	C13	CL13	CEL13
#8	C16	CL16	CEL16
#10	C19	CL19	CEL19
3/16	C19	CL19	CEL19
1/4	C25	CL25	CEL25
5/16	C31	CL31	CEL31
3/8	C37	CL37	CEL37
7/16	C43	CL43	CEL43
1/2	C50	CL50	CEL50
9/16	C56		
5/8	C62	CL62	CEL62
0.680	C68		
3/4	C75	CL75	CEL75
7/8	C87		
1	C1		
Metric Adjustable Chucks			
2mm	CM2		
3mm	CM3		
4mm	CM4	CLM4	
5mm	CM5	CLM5	
6mm	CM6	CLM6	
8mm	CM8	CLM8	CELM8
10mm	CM10	CLM10	CELM10
12mm	CM12		

Each chuck comes with an internal, adjustable depth stop. All chucks have chamfered ends for easy stud insertion. The standard chuck is the most widely used chuck suitable for use in drawn arc, CD and stored arc applications. These chucks have a #2 Morse taper which will fit a variety of stud guns. NOTE: Long and extra long chucks don't have longer throat depths. They should be used as an extension to help reach difficult spots.

ADJUSTABLE CHUCKS *Specialty*

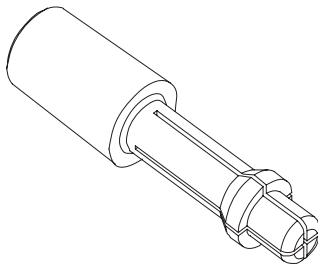
Rectangular Chuck



Stud Dimensions	Part Number
1/8 x 1/4	C1225
1/8 x 3/8	C1237
1/8 x 5/8	C1262
1/8 x 7/8	C1287
1/8 x 1	C121

For Rectangular Studs only. See Specialty Studs for Rectangular

Male Chuck



Hole Diameter	Part Number	Hole Diameter	Part Number
#8-32	CM16	3/8	CM37
#10-32	CM19	1/2-13	CM5013
1/4	CM25	1/2	CM50
1/4-20	CM2520	5/8-11	CM6211
5/16-18	CM3118	5/8	CM62
3/8-16	CM3716	3/4-10	CM7510

This chuck is used on tapped pads or other studs which are internally

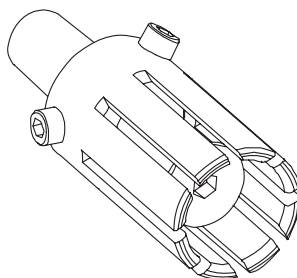
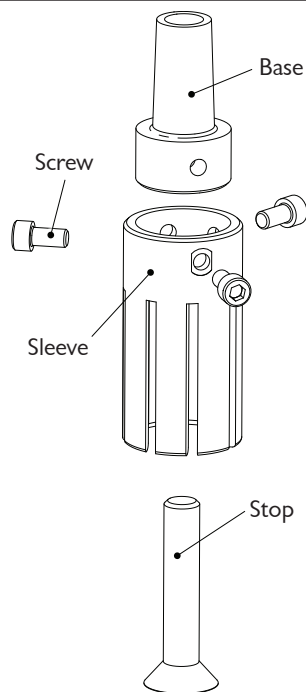
Image Arc Lite Collets



Fastener Size	Part Number	Fastener Size	Part Number
#4	CLI10	M3	CLIM3
#6	CLI13	M4	CLIM4
#8	CLI16	M5	CLIM5
#10	CLI19	M6	CLIM6
1/4	CLI25	M8	CLIM8
5/16	CLI31	M10	CLIM10
3/8	CLI37		

ADJUSTABLE CHUCKS *Specialty*

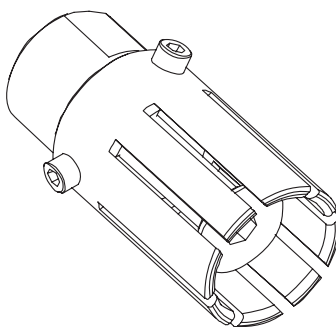
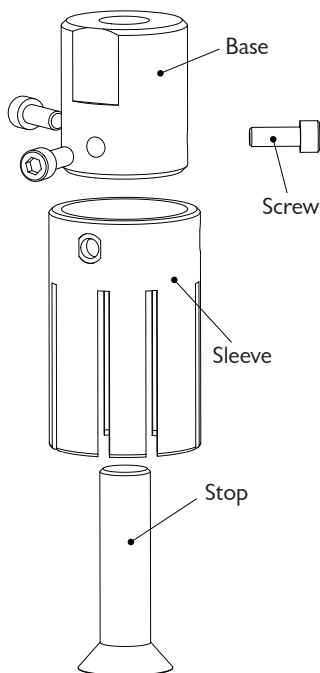
Headed Anchor Chucks



This chuck has a standard Morse taper and fits standard, or heavy duty chuck adapters.

Stud Diameter	Complete Assembly	Sleeve	Base	Stop	Screw
3/8	CH37	CH37-1	CH37-2	FHC25-2	SHC19F-37
1/2	CH50	CH50-1	CH50-2	FHC37-2	SHC19F-37

Shear Connector Chuck

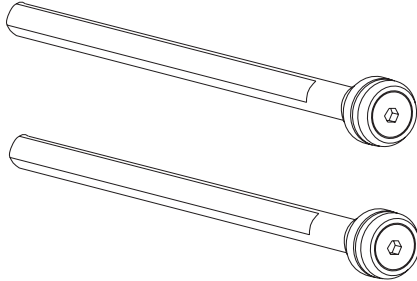


This chuck is internally threaded on the end and connects to a stud.

Stud Diameter	Complete Assembly	Sleeve	Base	Stop	Screw
5/8	CH62	CH62-1	CH62-2	FHC50F-2	SHC19F-37
3/4	CH75	CH75-1	CH75-2	FHC50F-2	SHC19F-37
7/8	CH87	CH87-1	CH87-2	FHC50F-2	SHC19F-37
1	CH1	CH1-1	CH1-2	FHC50F-2	SHC19F-37

ADJUSTABLE LEGS *Standard*

3/8 and 5/16 inch diameter



Diameter	Length	Part Number
5/16	7	L31-7
5/16	9	L31-9
5/16	14	L31-14
3/8	7	L37-7
3/8	9	L37-9
3/8	14	L37-14
3/8	18	L37-18
3/8	24	L37-24
3/8	27	L37-27
3/8	32	L37-32
3/8	36	L37-36

Be sure to check the leg diameter when looking for replacements. Image, Nelson NS-20 and Erico Guns use 3/8 in. diameter legs. Nelson NS-30 and NS-40 use 5/16 in. diameter legs.

The ends of Image legs are brass to prevent weld spatter from building up on them. A new leg comes complete with the special washer and screw. The special washer and screws are available as a separate item.

NOTE: Legs are sold individually, so if you need a pair be sure and order two.

FEET Standard

NS-30, NS-40 and Bantam Feet

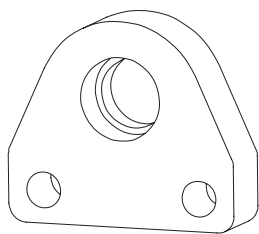


Figure A

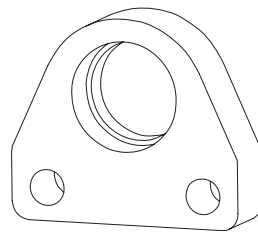


Figure B

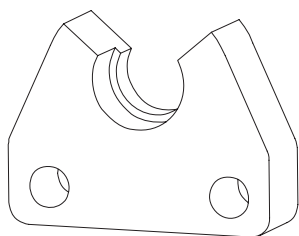


Figure C

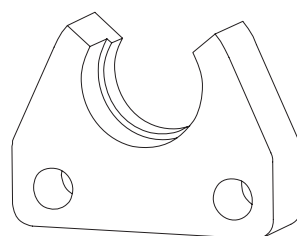


Figure D

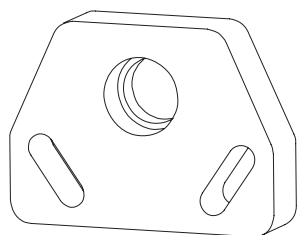


Figure E

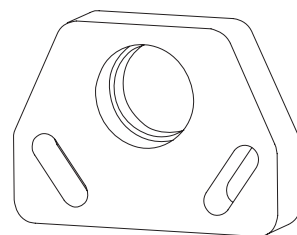


Figure F

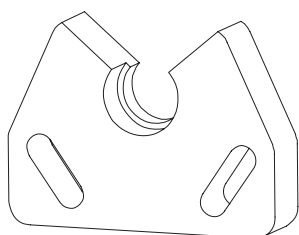


Figure G

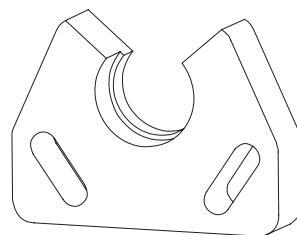


Figure H

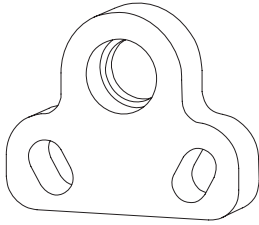


Figure I

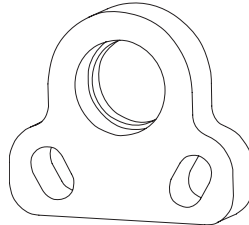


Figure J

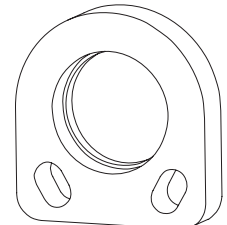


Figure K

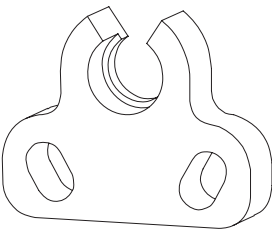


Figure L

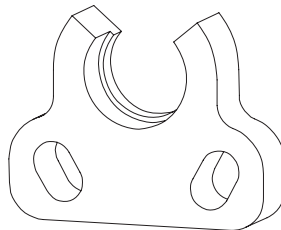


Figure M

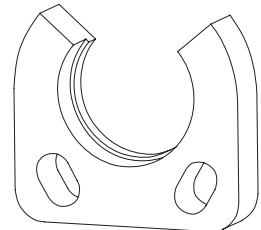


Figure N

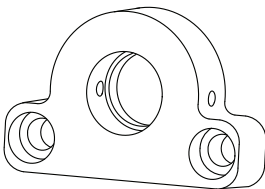


Figure O

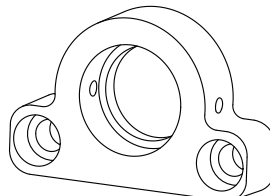
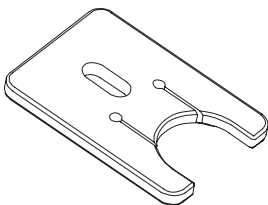


Figure P

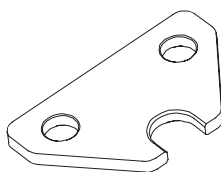
Leg Hole Diameter	Weld Tool Style	Foot Description: Foot Style, Foot Size, Stud Sizes and Grip Diameter					
		Closed, Small, 1/8 - 1/2, 0.87	Closed, Medium, 9/16 - 3/4, 1.16	Closed, Large, 7/8 - 1, 1.75	Split, Small, 1/8 - 1/2, 0.87	Split, Medium, 9/16 - 3/4, 1.16	Split, Large, 7/8 - 1, 1.75
3/8	Image, NS-20 & Erico	FTS20	FTM20	FTL20	FTSS20	FTMS20	FTLS20
		Figure I	Figure J	Figure K	Figure L	Figure M	Figure N
5/16	NS-30 NS-40	FTS30	FTM30		FTSS30	FTMS30	
		Figure A	Figure B		Figure C	Figure D	
3/8	Bantam	FTSB	FTMB		FTSSB	FTMSB	
		Figure E	Figure F		Figure G	Figure H	
5/16	Image Arc Lite	FTSJ	FTMJ				
		Figure O	Figure P				

FEET *Specialty*

Ferrule Foot Plate



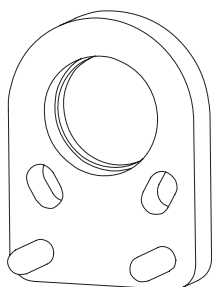
Single Leg



Twin Leg

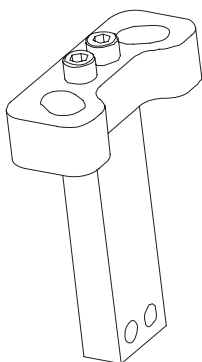
Stud Size	Single Leg	Twin Leg
1/4	SFFP25	FFP25
5/16	SFFP31	FFP31
3/8	SFFP37	FFP37
1/2	SFFP50	FFP50
5/8	SFFP62	FFP62
3/4	SFFP75	FFP75
7/8	SFFP87	FFP87
1	SFFP1	FFP1

Bi-Pod Foot

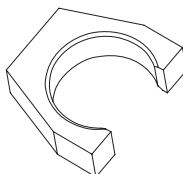


			IMAGE, NS-20, Erico		NS-30, NS-40
Foot Size	Stud Size	Grip Size	Part Number Closed Foot	Part Number Split Foot	Part Number Closed Foot
Small	1/8 - 1/2	0.87"	FTBPS20	FTBPSS20	FTBPS30
Medium	5/8 - 3/4	1.16"	FTBPM20	FTBPMS20	FTBPM30
Large	7/8 - 1"	1.75"	FTBPL20	FTBPLS20	

Weld Thru Deck Foot Extension and Ferrule Holder



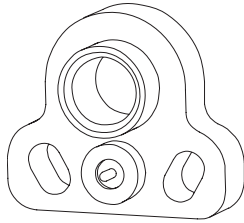
Weld Thru Deck
3 in. Foot Extension
Part Number FOOT ASSY



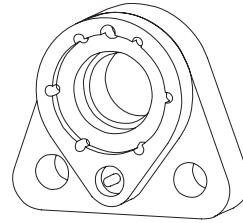
Weld Thru Deck
Ferrule Holder

Ferrule Type	Part Number
3/4 Weld Thru Deck	GWTD87
3/4 Flat	GWTD75
7/8 Flat	GWTD87

Gas Arc Foot for Foot Activated Gas Delivery

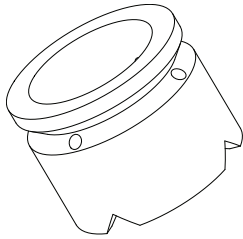


Use Without Ferrule
Part Number FTG20



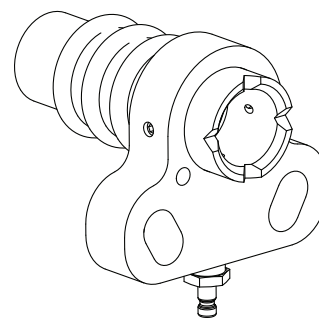
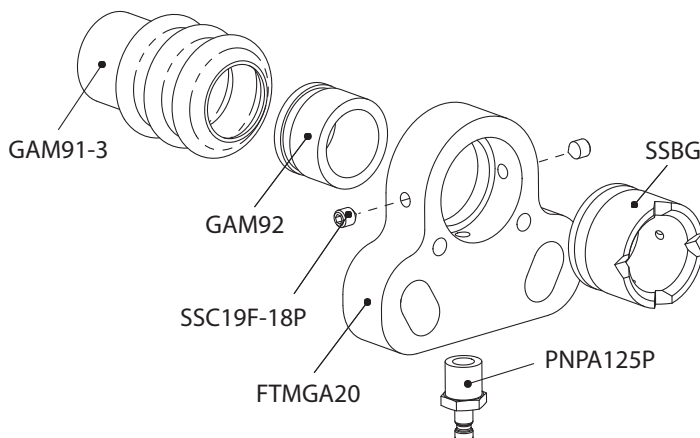
Use With Aluminum
Style Ferrule
Part Number FTGF20

Gas Arc Spark Shield



Replacement Spark Shield
For use in gas arc foot
without ferrule (P/N FTG20) or
in Gas Foot for automatic Gas
Delivery (P/N FTMGAA)
Part Number SSBG

Gas Arc Foot for Automatic Gas Delivery



Complete Assembly
Part Number FTMGAA

The boot GAM91-3 can be ordered with different number of convolutions (3 is standard) to accommodate different length weld studs. GAM91-1 has 1 convolution and so on.

CONNECTORS

Weld Cable Connectors

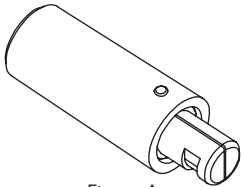


Figure A

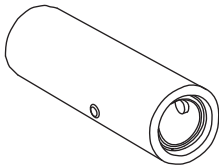


Figure B

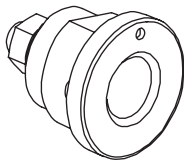


Figure C

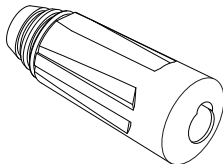


Figure D

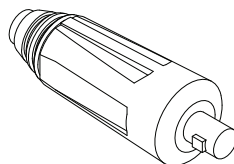


Figure E

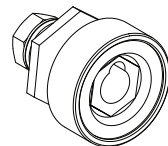


Figure F

Weld Cable Connector	Figure	Color	Part Number
1/0 Male Standard Duty Plastic Shell	A	Red	CCL1/0AMR
		Black	CCL1/0AMB
1/0 Female Standard Duty Plastic Shell	B	Red	CCL1/0AFR
		Black	CCL1/0AFB
4/0 Male Heavy Duty Rubber Shell	Not Shown	Red	CCL4/AMR
4/0 Female Heavy Duty Rubber Shell	Not Shown	Red	CCL4/AFR
1/0 Receptacle Female Panel Mount	C	Red	CCL1/0RMR
		Black	CCL1/0RFR
1/0 Male Dinse	D	Black	CDN01AMB
1/0 Female Dinse	E	Black	CDN01AFB
Female Dinse Panel Mount	E	Black	CDN01RFB

Control Cable Connectors

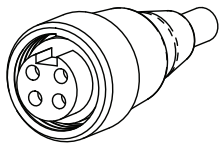


Figure A

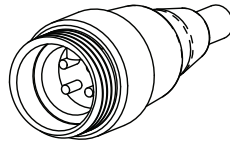


Figure B

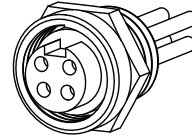


Figure C

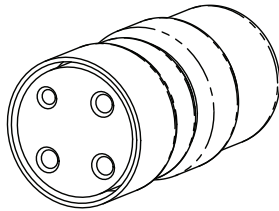


Figure D

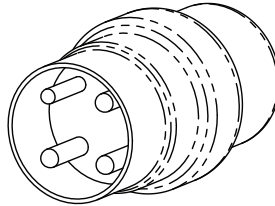


Figure E

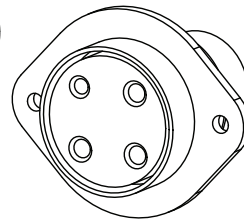


Figure F

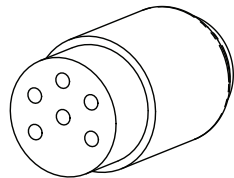


Figure G

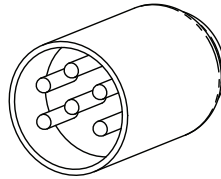


Figure H

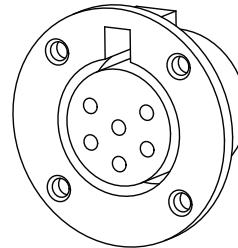


Figure J

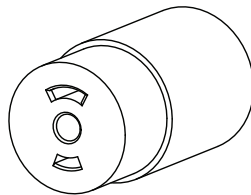


Figure K

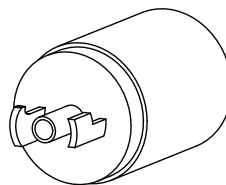


Figure L

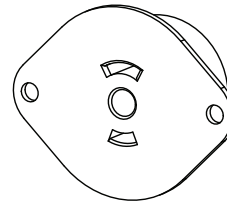
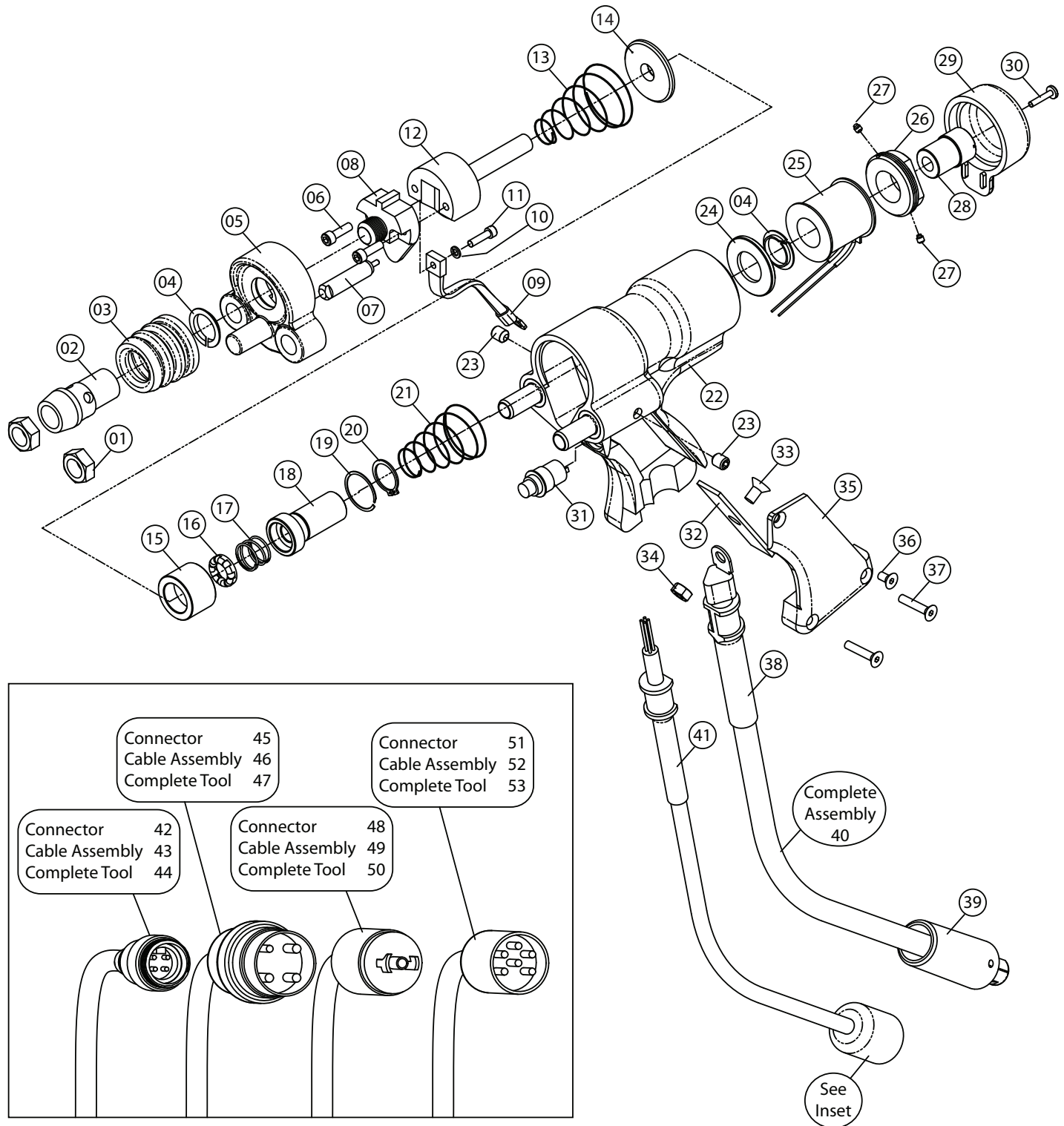


Figure M

Drawn Arc Power Supply Control Cable Connector								
4 Pin Screw Style (Image)			4 Pin (R&S)		6 Pin (Cannon)		3 Pin Hollow Post (Hubble)	
Style	Figure	Part Number	Figure	Part Number	Figure	Part Number	Figure	Part Number
Female	A	CSS4AF	D	CRS4AF	G	CCN6AF	K	CHB2GAF
Male	B	CSS4AM	E	CRS4AM	H	CCN6AM	L	CHB2GAM
Female Panel Mount	C	CSS4RF	F	CRS4RF	J	CCN6RF	M	CHB2GRF

STANDARD HAND HELD *Arc Weld Tool*

Exploded Diagram



STANDARD HAND HELD *Arc Weld Tool*

Parts List

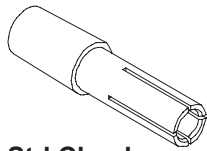
Item	Description	Qty	Part Number
01	Front Cover Jam Nut	2	JN50F
02	Chuck Adapter	1	GAM12
03	Dust Bellows	1	GAM14
04	Nylon Bushings	1	GAM15
05	Front Cover	1	GAB16
06	Cable Clamp Adapter Screw	2	SHC19-62
07A	Plunge Dampener Soft (optional)	1	GAM21D
07B	Plunge Dampener Med. (optional)	1	GAM21E
07C	Plunge Dampener Hard (optional)	1	GAM21F
08	Cable Clamp Adapter	1	GAM18
09	Internal Weld Cable	1	GAE29
10	Internal Weld Cable Lock Washer	1	WLC16BO
11	Internal Weld Cable Screw	1	SHC16-50
12	Lifting Rod	1	GAM22
13	Main Spring	1	GAM23
14	Lift Release	1	GAM24
15	Moveable Core Bearing Retainer	1	GAM10A
16	Lift Bearing	1	GAM8
17	Lift Bearing Spring	1	GAM9
18	Moveable Core Shaft	1	GAM10B
19	Shaft Retainer	1	VH-100
20	Shaft Spring Seat	1	SHI-75
21	Core Return Spring	1	GAM11
22	Gun Body	1	GAB1
23	Leg Set Screw		SSC31-37C
24	Front Coil Yoke	1	GAM2
25	Gun Coil	1	GAE3
26	Rear Coil Yoke	1	GAM4
27	Rear Coil Yoke Set Screw	2	SSC16-18N

Item	Description	Qty	Part Number
28	Adjustable Core	1	GAM5
29	Rear Cap	1	GAB6
30	Rear Cap Screw	1	PSC16-75ZP
31	Trigger Switch Complete	1	GAE1
32	Weld Cable Anchor Plate	1	GAM31
33	Anchor Plate Screw	1	FHC25-50
34	Anchor Plate Kep Nut	1	NKC25ZP
35	Handle Cover	1	GAB32
36	Handle Cover Upper Screw	1	FHC19-37
37	Handle Cover Lower Screw	1	FHC19-1
38	Weld Cable Strain Relief	1	GAM50
39	Male Weld Cable Connector	1	CCL1/0AMB
40	External Weld Cable Complete	1	CW2FC-09
41A	Cable Strain Relief (.340 Dia black control wire)		GAM51
41B	Cable Strain Relief (.340 Dia yellow control wire)	1	GAM52
42	Screw Style Connector	0	CSS4AM
43	Control Cable (screw style) Complete	1	CC2BA-10
44	Arc Weld Tool Complete (screw style)	0	GAAAC-09
45	Control Connector (R&S)	0	CRS4AM
46	Control Cable (R&S) Complete	0	CC1B2-09
47	Arc Weld Tool Complete (R&S)	0	GAA2C-09
48	Control Connector (2 Wire Nelson)	0	CHB2GAM
49	Control Cable (2 wire Nelson) Complete	0	CC1C8-09
49B	Trigger Module (2 wire Nelson) not shown		GAE27B
50	Arc Weld Tool Complete (2 wire Nelson)	0	GAA8C-09T
51	Control Connector (Cannon)	0	CCN6AM
52	Control Cable (Cannon) Complete	0	CC1B4-09
53	Arc Weld Tool Complete (Cannon)	0	GAA4C-09

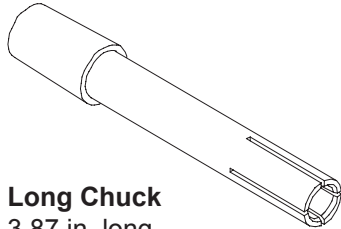


ADJUSTABLE CHUCKS *Standard*

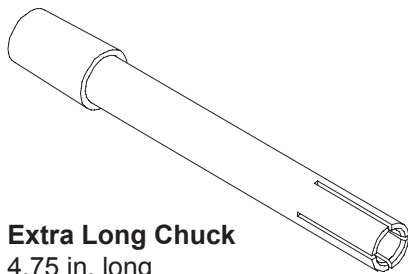
Standard, Long & Extra Long Chucks



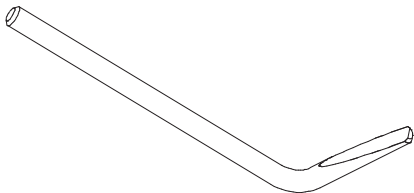
Std Chuck
2.50 in. long



Long Chuck
3.87 in. long



Extra Long Chuck
4.75 in. long

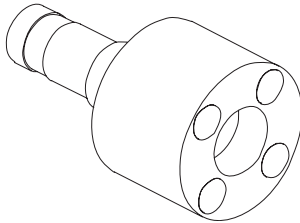


Stud Diameter	Standard Chuck	Long Chuck	Extra Long Chuck
	2.50 inches long	3.87 inches long	4.75 inches long
12ga	C10		
#4	C10		
1/8	C12		
10ga	C13	CL13	CEL13
#6	C13	CL13	CEL13
#8	C16	CL16	CEL16
#10	C19	CL19	CEL19
3/16	C19	CL19	CEL19
1/4	C25	CL25	CEL25
5/16	C31	CL31	CEL31
3/8	C37	CL37	CEL37
Metric Adjustable Chucks			
2mm	CM2		
3mm	CM3		
4mm	CM4	CLM4	
5mm	CM5	CLM5	
6mm	CM6	CLM6	
8mm	CM8	CLM8	CELM8

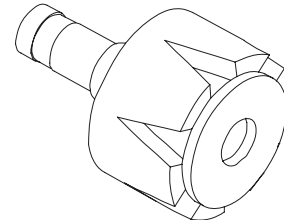
Each chuck comes with an internal, adjustable depth stop. All chucks have chamfered ends for easy stud insertion. The standard chuck is the most widely used chuck suitable for use in drawn arc, CD and stored arc applications. These chucks have a #2 Morse taper which will fit a variety of stud guns. NOTE: Long and extra long chucks don't have longer throat depths. They should be used as an extension to help reach difficult spots.

Chuck Ejection Tool
for all Tapered Chucks
Part Number CEK

Magnetic Chucks

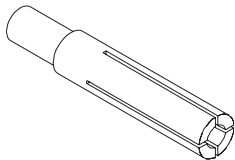


**Permanent
Magnetic Chuck**
Part Number CACHP



**Rebuildable
Magnetic Chuck**
Part Number CACHPR

Collet Inserts

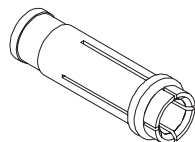


Shank Diameter
0.250 inches
These inserts can also
be used with a Morse
Taper Adapter (CA25) for
additional flexibility.

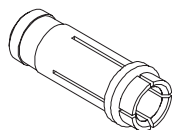
Stud Diameter	Stud Length				
	1/4	3/8	1/2	3/4	1
12 ga			CLIJ10-50	CLIJ10-75	CLIJ10-1
#4	CLIJ10-25	CLIJ10-37	CLIJ10-50	CLIJ10-75	CLIJ10-1
1/8	CLIJ12-25	CLIJ12-37	CLIJ12-50	CLIJ12-75	CLIJ12-1
#6	CLIJ13-25	CLIJ13-37	CLIJ13-50	CLIJ13-75	CLIJ13-1
#8	CLIJ16-25	CLIJ16-37	CLIJ16-50	CLIJ16-75	CLIJ16-1
#10	CLIJ19-25	CLIJ19-37	CLIJ19-50	CLIJ19-75	CLIJ19-1
1/4	CLIJ25-25	CLIJ25-37	CLIJ25-50	CLIJ25-75	CLIJ25-1
5/16		CLIJ31-37	CLIJ31-50	CLIJ31-75	CLIJ31-1
3/8			CLIJ37-50	CLIJ37-75	CLIJ37-1

COLLETS *Standard*

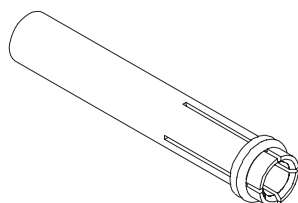
Jones, AGM and Nelson Styles



Jones Style
1.37 inches long
Shank Diameter .375



AGM Style
1.18 inches long
Shank Diameter .375



Nelson Style
2.37 inches long

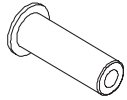
Stud Diameter	AGM Style 1.18" Long	Jones Style 1.37" Long	Nelson Style 2.37" Long
14 ga	CLA8	CLJ8	
12 ga	CLA10	CLJ10	
#4	CLA10	CLJ10	CLN10
1/8	CLA12	CLJ12	CLN10
10 ga	CLA13	CLJ13	CLN13
#6	CLA13	CLJ13	CLN13
#8	CLA16	CLJ16	CLN16
#10	CLA19	CLJ19	CLN19
1/4	CLA25	CLJ25	CLN25
5/16	CLA31	CLJ31	CLN31
3/8	CLA37	CLJ37	CLN37
Metric			
3mm	CLAM3	CLJM3	CLNM3
4mm	CLAM4	CLJM4	CLNM4
5mm	CLAM5	CLJM5	CLNM5
6mm	CLAM6	CLJM6	CLNM6
8mm	CLAM8	CLJM8	CLNM8

Image Arc Lite Collets

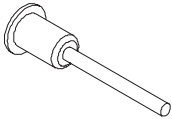


* The IMAGE Collet Part Numbers in the table to the right having asterisks indicate the gauge series collets designed for long fasteners. Gauge series Collets have no provision for a depth stop and include a collet protector.

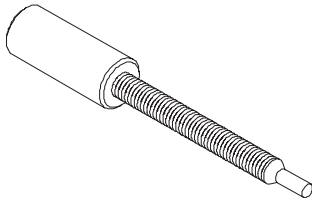
Fastener Size	Part Number	Fastener Size	Part Number
#4	CLI10	M3	CLIM3
#6	CLI13	M4	CLIM4
#8	CLI16	M5	CLIM5
#10	CLI19	M6	CLIM6
1/4	CLI25	M8	CLIM8
5/16	CLI31	M10	CLIM10
3/8	CLI37	12GA	CLI10P*
10GA	CLI13P*	14GA	CLI08P*



Button Stop
Figure A



Long Pin Stop
Figure B



Nelson Style

Stud Length	Figure	Part Number
1/4	B	DSJ25
3/8	B	DSJ37
1/2	A	DSJ50
5/8	A	DSJ62
3/4	A	DSJ75
7/8	A	DSJ87
1"	A	DSJ1
1 1/8	A	DSJ112
1 1/4	A	DSJ125
1 3/8	A	DSS
Universal	B	DSU

Stud Length	Part Number
1/4 - 5/8	DSN62
3/4 - 1 1/8	DSN112
1 1/4 - 1 5/8	DSN162
1 3/4 - 2 1/8	DSN212
Insulator Only	DSNI

FEET & LEGS *Standard*

CD Standard Feet

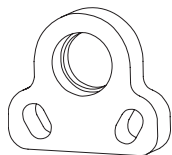


Figure A

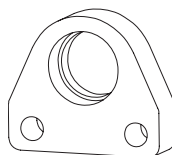


Figure B

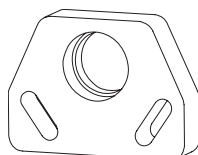


Figure C

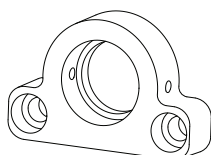


Figure D

Leg Hole Diameter	Weld Tool Style	Foot Description Accepts Standard Spark Shield
3/8	NS-20 Erico	FTM20
		FIG A
5/16	NS-30 NS-40	FTM30
		FIG B
3/8	Bantam	FTMB
		FIG C
5/16	Image CA, CL, GA, GL	FTMJ
		FIG D

CD Standard Legs

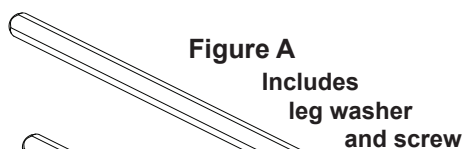


Figure A
Includes
leg washer
and screw

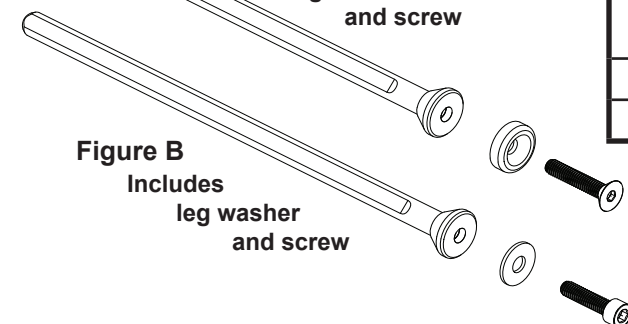


Figure B
Includes
leg washer
and screw

Diameter	Length	Part Number	Figure	Weld Tool Style
5/16	4	L31-4B	B	Soyer CD
5/16	7	L31-7	A	
5/16	7	L31-7B	B	Image CD, Erico-Jones, Midwest, Proweld, Nelson
3/8	7	L37-7	A	Bantam CD
3/8	9	L37-9	A	Bantam CD

Be sure and check the leg diameter when looking for replacements.

The ends of Image legs are brass to prevent weld spatter from building up on them. A new leg comes complete with the special washer and screw. The special washer and screws are available as a separate item.

NOTE: Legs are sold individually, so if you need a pair be sure and order two.

Weld Cable Connectors

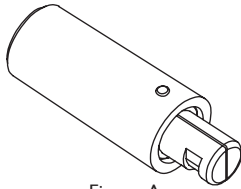


Figure A

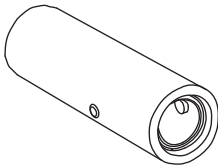


Figure B

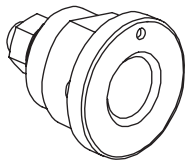


Figure C

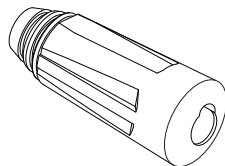


Figure D

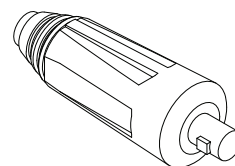


Figure E

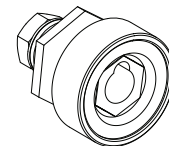


Figure F

Weld Cable Connector	Figure	Color	Part Number
1/0 Male Standard Duty Plastic Shell	A	Red	CCL1/0AMR
		Black	CCL1/0AMB
1/0 Female Standard Duty Plastic Shell	B	Red	CCL1/0AFR
		Black	CCL1/0AFB
1/0 Receptacle Female Panel Mount	C	Red	CCL1/0RMR
		Black	CCL1/0RFR
4 ga Male Dinse Rubber Shell	D	Black	CDN04AMB
4 ga Female Dinse Rubber Shell	E	Black	CDN04AFB
4 ga Female Dinse Panel Mount	F	Black	CDN04RFB

CONNECTORS

Control Cable Connectors

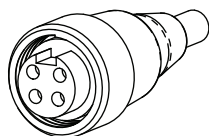


Figure N

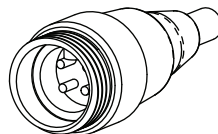


Figure P



Figure Q

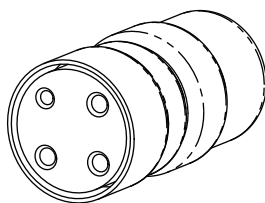


Figure R

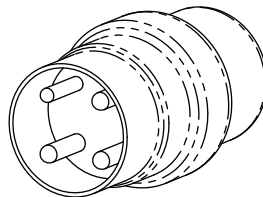


Figure S

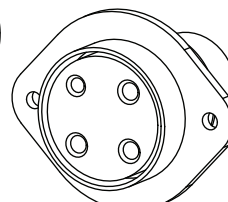


Figure T

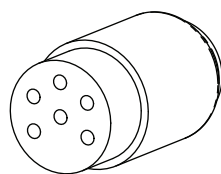


Figure U

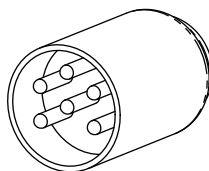


Figure V

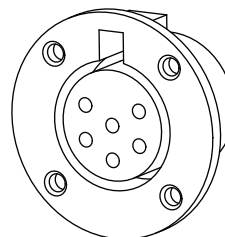


Figure W

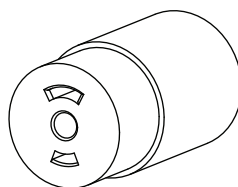


Figure X

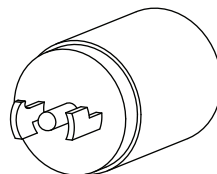


Figure Y

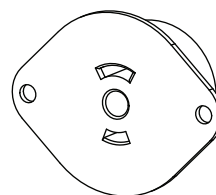
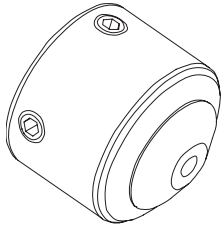


Figure Z

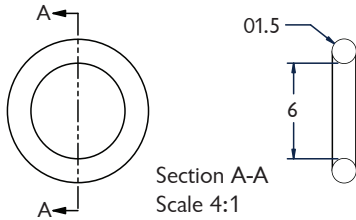
Capacitor Discharge Power Supply Control Cable Connector								
4 Pin Screw Style (Image)			4 Pin (R&S)		6 Pin (Cannon)		3 Pin Hollow Post (Hubble)	
Style	Figure	Part Number	Figure	Part Number	Figure	Part Number	Figure	Part Number
Female	N	CSS4AF	R	CRS4AF	U	CCN6AF	X	CHB2AF
Male	P	CSS4AM	S	CRS4AM	V	CCN6AM	Y	CHB2AM
Female Panel Mount	Q	CSS4RF	T	CRS4RF	W	CCN6RF	Z	CHB2RF

Collet Protector



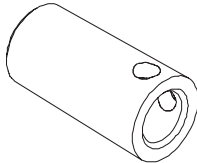
Stud Size	Part Number
12ga	CPA10
#6	CPA13
#8	CPA16
#10	CPA19
1/4	CPA25

Collet O-Ring



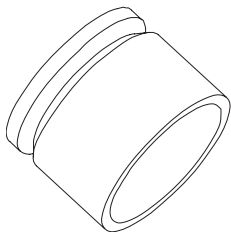
Use With Collets
Part Number CLA-O

Morse Taper Adapter



Holds Collets with Shank Diameter	Part Number
1/4	CA25
3/8	CA37

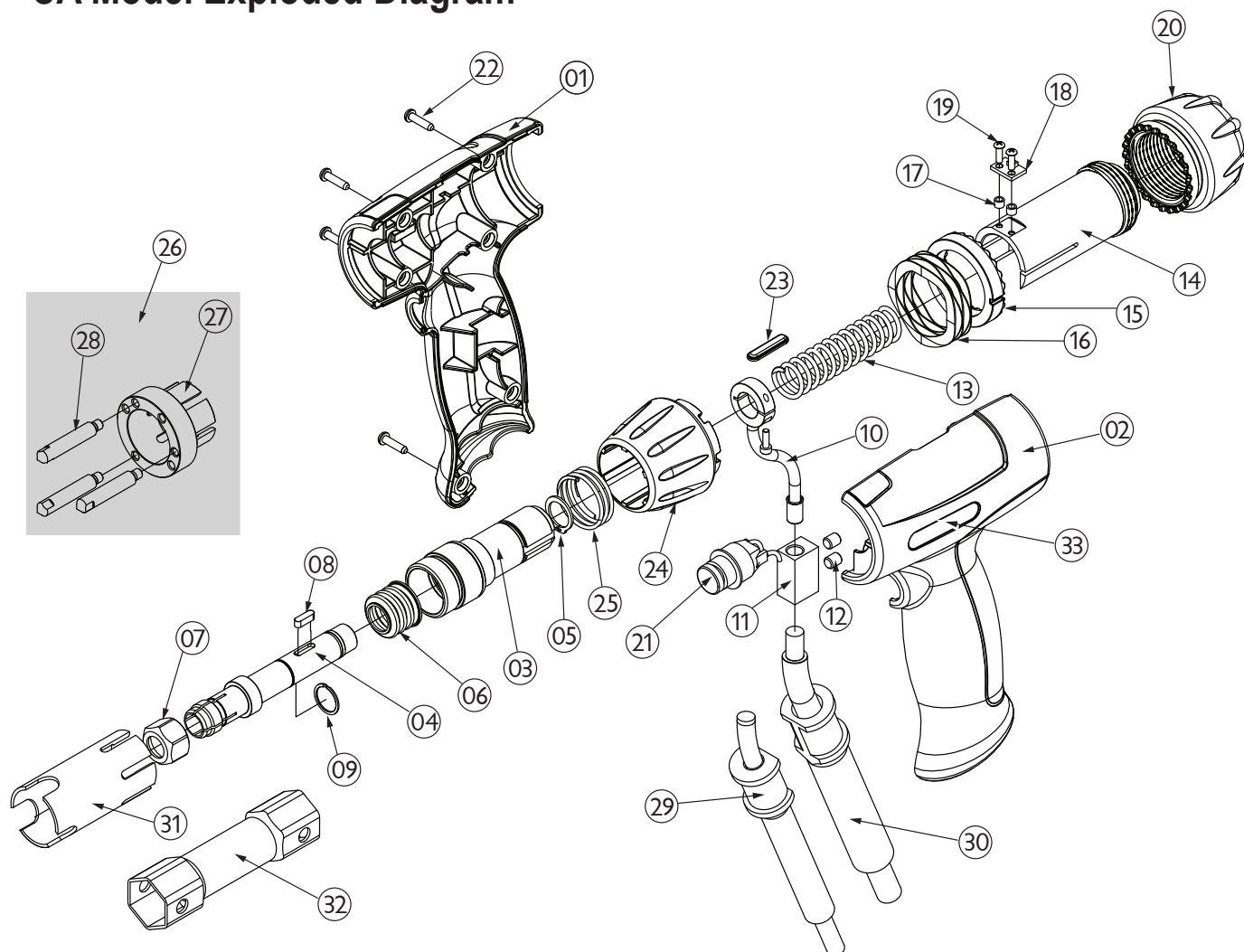
Spark Shield



Description	Material	Part Number
1/8 inch Thru Hole (can be drilled to desired size)	Phenolic	SS
1/2 inch Thru Hole (works for most applications)	Phenolic	SSH50
Semi Permanent	Brass	SSB

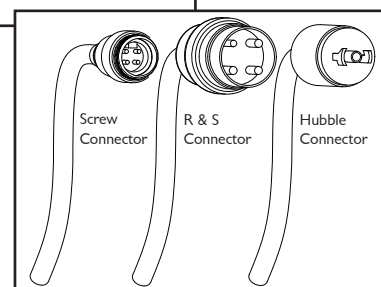
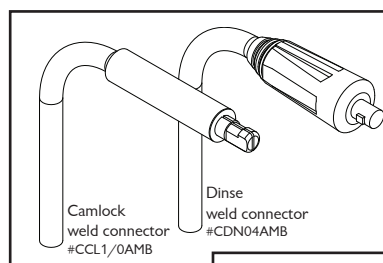
GAP Capacitor Discharge Weld Tool

CA Model Exploded Diagram



CA Weld Tool with Template Nozzle				
		Control Connector		
		Screw	R&S	Hubble
Weld Connector	Cam lok	GRCAC-15	GRC2C-15	GRC6C-15
	Dinse	GRCAZ-15	GRC2Z-15	GRC6Z-15

	Control Connector			Weld Connector	
	Screw	R&S	Hubble	Cam Lok	Dinse
Connector Only	CSS4AM	CRS4AM	CHB2AM	CCL1/0AMB	CDN04AMB
Cable Assembly	CC2BA-16	CC1B2-16	CC1B6-16	CW0VC-15	CW0VZ-15



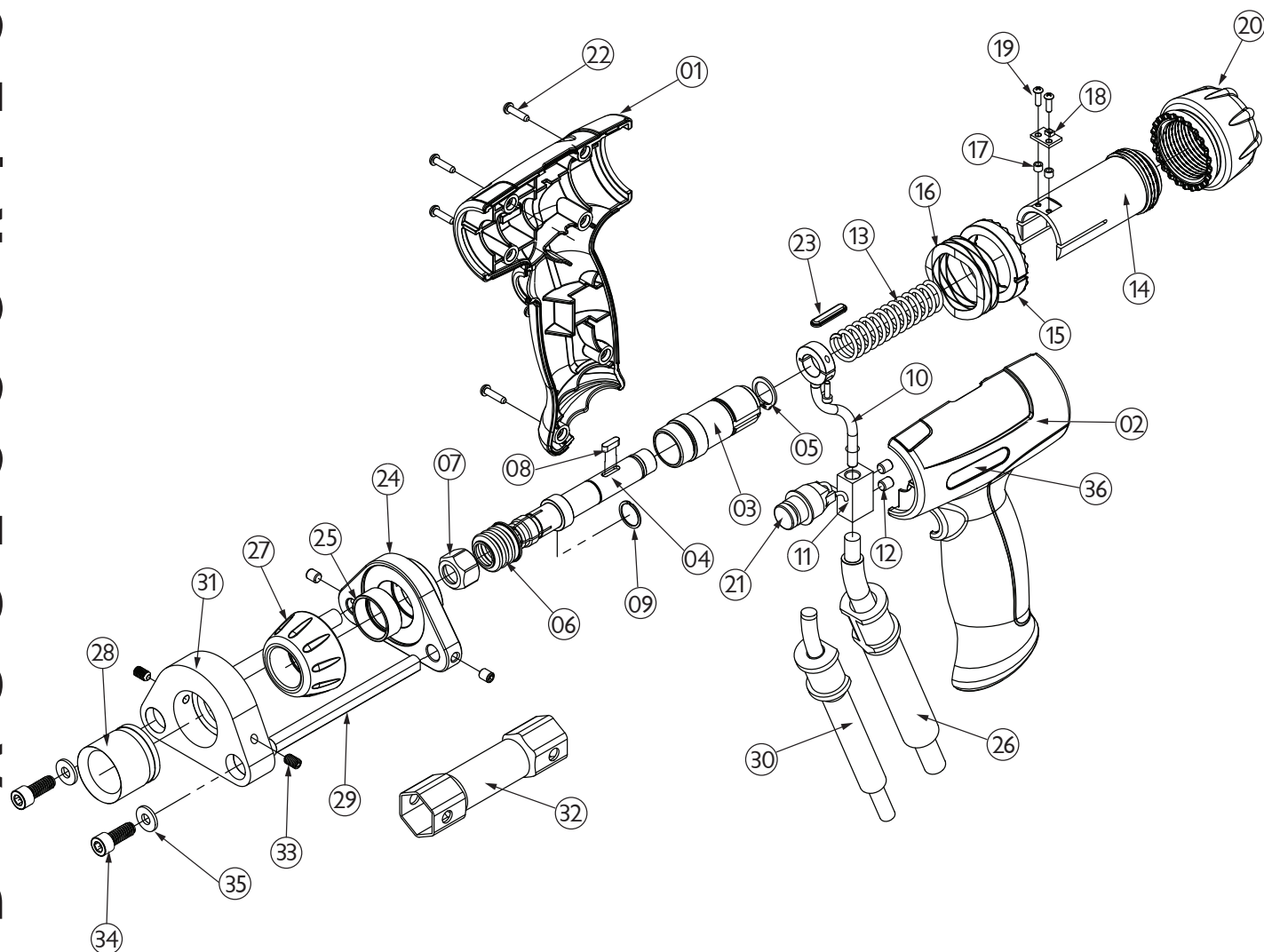
GAP Capacitor Discharge Weld Tool

CA Model Parts List

Item	Description	Part Number
01	Weld Tool Body Right Side	GRB1
02	Weld Tool Body Left Side	GRB2
03	Spindle Bearing Assembly	GRM20
04	Spindle	GRM80
05	Retaining Ring	GRM81
06	Bellows	GRM14
07	Collet Nut	GRM13
08	Key	GRM83
09	Retaining Ring	GRM82
10	Internal Weld Cable Assembly	GRE29
11	Weld Cable Anchor	GRM31
12	Cup Point Set Screw M5X6	SSC5-6CP
13	Spring-Contact Weld Tool	GRM24
14	Sleeve-Contact	GRM44
15	Clutch	GRM40
16	Clutch Spring	GRM11
17	Standoff	GRM46
18	Indicator Light	GRE10
19	Button Head Cap Screw M2. 5X8	BHC2.5-8
20	Knob, Rear Contact	GRB33
21	Trigger Switch Complete, Push	GAE1
22	Thread Forming Screw M3X12	TFC3-12ZP
23	Lens	GRB3
24	Plunge Adjustment Knob	GRB16
25	Spring, Plunge Adjustment	GRM9
26	Tripod Assembly - Optional	GRM99
27	Tripod Bracket - Optional	GRM90
28	Tripod Leg-Short - Optional	GRM91
29	Cable Control Screw Style	CC2BA-16
30	Weld Cable Assembly, 15 FT Din.	CW0VZ-15
31	Template Nozzle	GRM71
32	Wrench	GRM12
33	Body Decal (not shown)	GRD3
	Left Plunge Adjust Decal (not shown)	GRD6
	Right Plunge Adjust Decal (not shown)	GRD7

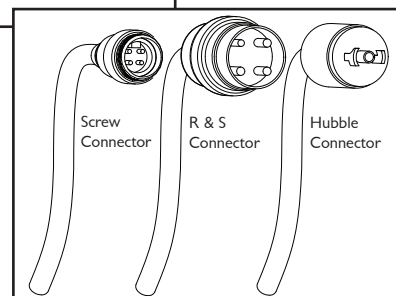
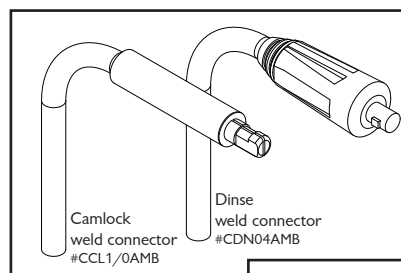
CONTACT Capacitor Discharge Weld Tool

CL Model Exploded Diagram



CL Weld Tool Numbers				
		Control Connector		
		Screw	R&S	Hubble
Weld Connector	Cam lok	GRAAC-15	GRA2C-15	GRA6C-15
	Dinse	GRAAZ-15	GRA2Z-15	GRA6Z-15

	Control Connector			Weld Connector	
	Screw	R&S	Hubble	Cam Lok	Dinse
Connector Only	CSS4AM	CRS4AM	CHB2AM	CCL1/0AMB	CDN04AMB
Cable Assembly	CC2BA-10	CC1B2-10	CC1B6-10	CW0VC-09	CW0VZ-09



CONTACT Capacitor Discharge Weld Tool



CL Model Parts List

Item	Description	Part Number
01	Weld Tool Body Right Side	GRB1
02	Weld Tool Body Left Side	GRB2
03	Spindle Bearing Assembly	GRM15
04	Spindle	GRM80
05	Retaining Ring	GRM81
06	Bellows	GRM14
07	Collet Nut	GRM13
08	Key	GRM83
09	Retaining Ring	GRM82
10	Internal Weld Cable Assembly	GRE29
11	Weld Cable Anchor	GRM31
12	Cup Point Set Screw M5X6	SSC5-6CP
13	Spring-Contact Weld Tool	GRM24
14	Sleeve-Contact	GRM44
15	Clutch	GRM40
16	Clutch Spring	GRM11
17	Standoff	GRM46
18	Indicator Light	GRE10
19	Button Head Cap Screw M2. 5X8	BHC2.5-8
20	Knob, Rear Contact	GRB33
21	Trigger Switch Complete, Push	GAE1
22	Thread Forming Screw M3X12	TFC3-12ZP
23	Lens	GRB3
24	Face Plate	GRM87
25	Face Plate Insulator	GRM88
26	Weld Cable Assembly, 9FT Dins	CW0VZ-09
27	Face Plate Nut	GRB17
28	Spark Shield	SSH50
29	Leg	L31-7
30	Control Cable Screw Style	CC2BA-10
31	Foot	FTMJ
32	Collet Nut Wrench	GRM12
33	Spark Shield Retention Screw	SSC19F-37P
34	Leg Screw	SHC19F-75
35	Leg Screw Washer	WFC19ZP
36	Body Decal (not shown)	GRD1

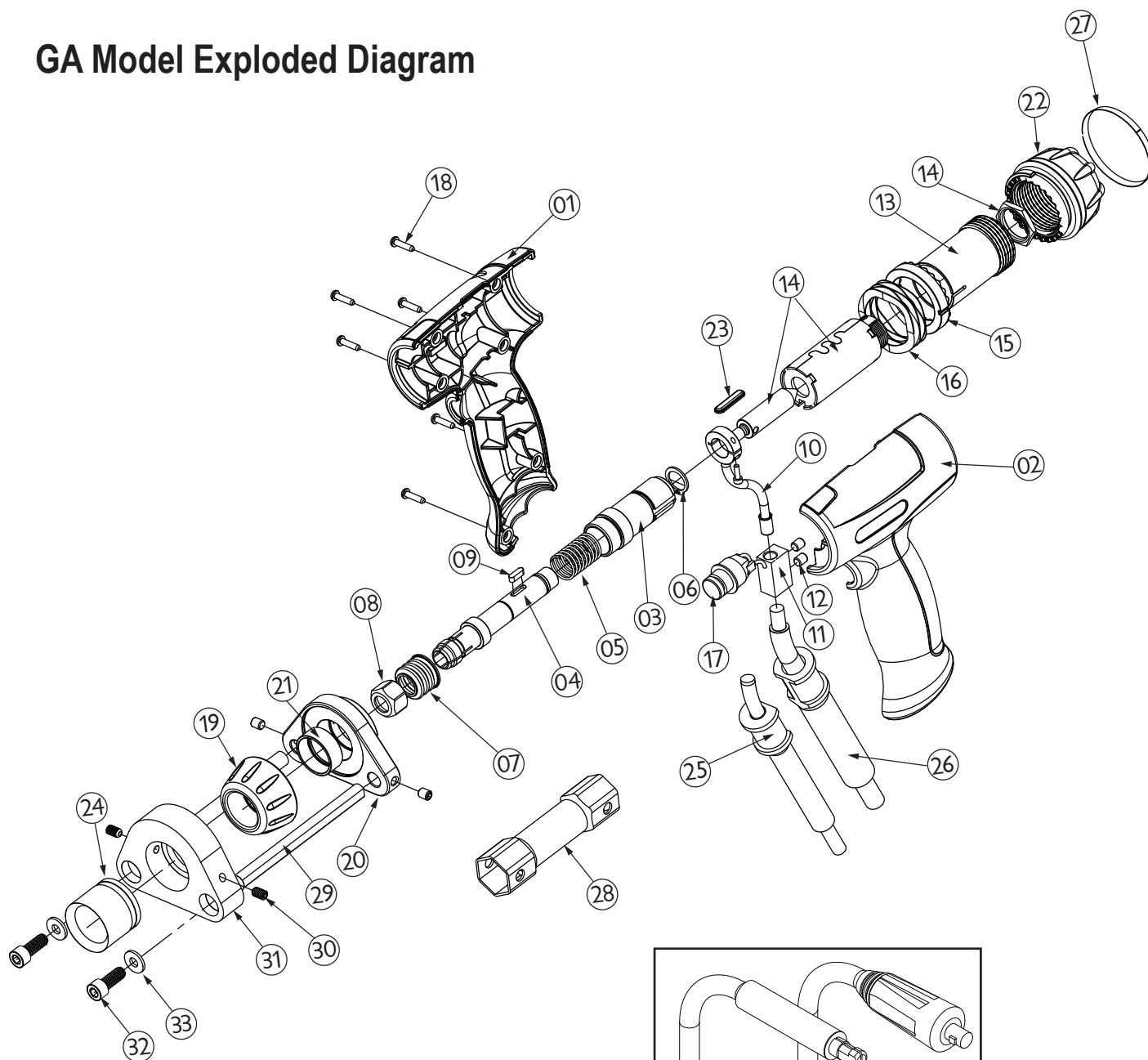
S
R
I
E
S

A
C
C
E
S
S
O
R
I
E
S

C
D

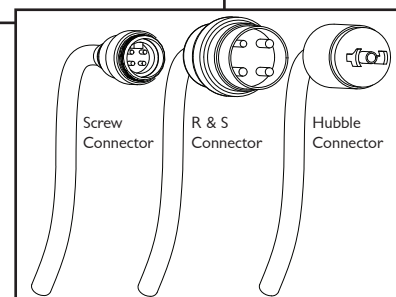
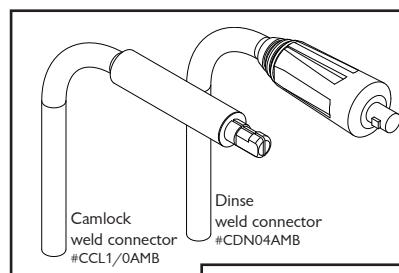
GAP Capacitor Discharge Weld Tool

GA Model Exploded Diagram



CA Weld Tool with Template Nozzle				
		Control Connector		
		Screw	R&S	Hubble
Weld Connector	Cam lok	GRCAC-15	GRC2C-15	GRC6C-15
	Dinse	GRCAZ-15	GRC2Z-15	GRC6Z-15

	Control Connector			Weld Connector	
	Screw	R&S	Hubble	Cam Lok	Dinse
Connector Only	CSS4AM	CRS4AM	CHB2AM	CCL1/0AMB	CDN04AMB
Cable Assembly	CC2BA-16	CC1B2-16	CC1B6-16	CW0VC-15	CW0VZ-15



GAP Capacitor Discharge Weld Tool



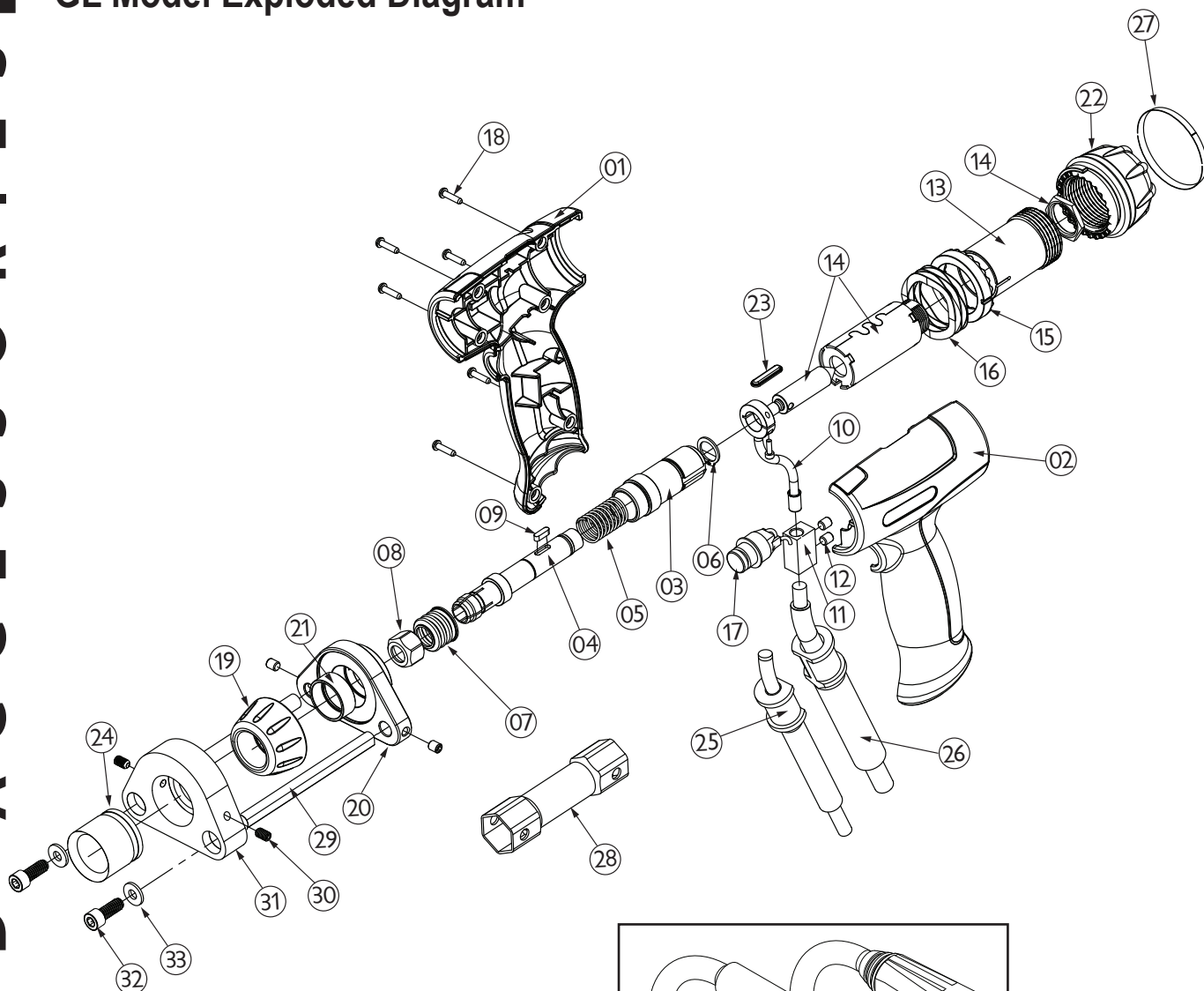
GA Model Parts List

Item	Description	Part Number
01	Weld Tool Body Right Side	GRB1
02	Weld Tool Body Left Side	GRB2
03	Spindle Bearing Assembly	GRM20
04	Spindle	GRM80
05	Gap Tool Main Spring	GRM23
06	Retaining Ring	GRM81
07	Bellows	GRM14
08	Collet Nut	GRM13
09	Key	GRM83
10	Internal Weld Cable Assembly	GRE29
11	Weld Cable Anchor	GRM31
12	Cup Point Set Screw M5X6	SSC5-6CP
13	Solenoid Sleeve	GRM42
14	Gap Solenoid with Nut	GRE3
15	Clutch	GRM40
16	Clutch Spring	GRM11
17	Trigger Switch Complete	GAE1
18	Thread Forming Screw M3-12	TFC3-12ZP
19	Plunge Adjustment Knob	GRB16
20	Plunge Adjustment Spring	GRM9
21	Gap Adjust Knob	GRB32
22	Body Plug	GRB4
23	Template Nozzle	GRM71
24	Control Cable Screw Style	See Chart
25	Weld Cable Assembly, 9FT Dins	See Chart
26	Tripod Leg Assembly- Optional	GRM99
27	Tripod Support - Optional	GRM90
28	Tripod Leg-Short - Optional	GRM91
29	Collet Nut Wrench	GRM12
30	Rear Knob Decal	GRD8
31	Plunge Decal Right (not shown)	GRD7
32	Plunge Decal Left (not shown)	GRD6
33	Body Decal (not shown)	GRD4

C D A C C E S S O R I E S

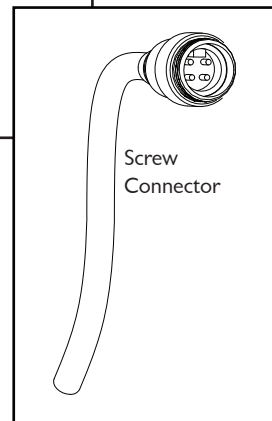
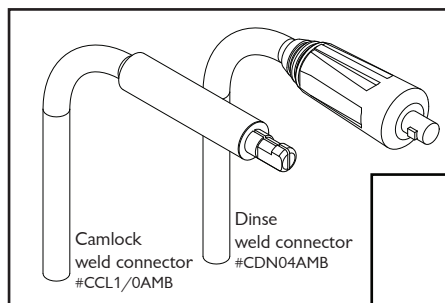
CONTACT Capacitor Discharge Weld Tool

GL Model Exploded Diagram



GL Weld Tool Part Numbers		
		Control Connector
		Screw
Weld Connector	Cam lok	GRDAC-09
	Dinse	GRDAZ-09

	Control Connector	Weld Connector	
	Screw	Cam Lok	Dinse
Connector Only	CSS4AM	CCL1/0AMB	CDN04AMB
Cable Assembly	CC2BA-10	CW0VC-09	CW0VZ-09





GL Model Parts List

Item	Description	Part Number
01	Weld Tool Body Right Side	GRB1
02	Weld Tool Body Left Side	GRB2
03	Spindle Bearing Assembly	GRM15
04	Spindle	GRM80
05	Gap Tool Main Spring	GRM23
06	Retaining Ring	GRM81
07	Bellows	GRM14
08	Collet Nut	GRM13
09	Key	GRM83
10	Internal Weld Cable Assembly	GRE29
11	Weld Cable Anchor	GRM31
12	Cup Point Set Screw M5X6	SSC5-6CP
13	Solenoid Sleeve	GRM42
14	Gap Solenoid with Nut	GRE3
15	Clutch	GRM40
16	Clutch Spring	GRM11
17	Trigger Switch Complete, Push	GAE1
18	Thread Forming Screw M3-12	TFC3-12ZP
19	Face Plate Nut	GRB17
20	Face Plate	GRM87
21	Face Plate Insulator	GRM88
22	Gap Adjust Knob	GRB32
23	Plug	GRB4
24	Spark Shield	SS
25	Control Cable Screw Style	See Chart
26	Weld Cable Assembly, 9FT Dins	See Chart
27	Rear Knob Decal	GRD8
28	Collet Nut Wrench	GRM12
29	Leg	L31-7
30	Spark Shield Retention Screw	SSC19F-25C
31	Foot	FTMJ
32	Leg Screw	SHC19F-75
33	Leg Screw Washer	WFC19ZP
34	Body Decal (not shown)	GRD2



IMAGE INDUSTRIES INC.

11220 E. Main Street • Huntley, IL 60142 USA

Tel: (847) 659-0100 • (800) 722-7883 • Fax: (847) 659-0108

www.imageindustries.com • email: sales@imageindustries.com