



# Manual Arc Welding Accessories



- **Electrode Holders**
- **Cable Connectors**
- **Ground Clamps**
- **Solder Lugs**
- **Terminals, Connectors**
- **Panel Receptacles**



# Manual Arc Welding Products

## TWECOTONG® ELECTRODE HOLDERS

TWECOTONG® ELECTRODE HOLDERS feature reversible top and bottom Insulators. Efficient 6-position jaw patterns and fully insulated, protected springs. Ball-point cable connection is also featured.



Stock Number	Model Number	Amperage Capacity	Body Alloy	Electrode Capacity	Cable Conn Capacity	English Length	Metric Length
9110-1101	A-532	200	Copper Alloy	thru 5/32" (4,0mm)	Ball-Point thru 2/0	8 1/2"	216mm
9110-1102	A-316	250	Copper Alloy	thru 3/16" (4,8mm)	Ball-Point thru 2/0	9 1/4"	235mm
9110-1103	A-732	300	Copper Alloy	thru 7/32" (5,6mm)	Ball-Point thru 2/0	10"	254mm
9110-1104	A-14	350	Copper Alloy	thru 1/4" (6,4mm)	Ball-Point thru 4/0	11"	279mm
9110-1105	A-14-HD	400	Copper Alloy	thru 1/4" (6,4mm)	Double Ball-Point thru 4/0	12"	305mm
9110-1106	A-38-HD	500	Copper Alloy	thru 3/8" (9,5mm)	Double Ball-Point thru 4/0	13 1/4"	336mm



Stock Number	Model Number	Description	Amperage Capacity	Electrode Capacity	Cable Conn Capacity	English Length	Metric Length
9120-1000	4TT	TWECO-TITE Holder	400	1/16" thru 1/4" 1,6mm thru 6,4mm	thru 3/0	9"	229mm

## TWECO CABLE CONNECTORS

Tweco MPC connectors provide a positive cam action which optimizes interface between connector halves. The connectors are equipped with heat and oil resistant covers. The MPC connectors are furnished with zinc plated cover and ball-point cable screws. They are interchangeable with older Tweco MBP Connectors. The Whip Cable Connector is used when down sizing cable to an electrode holder. It is a No. 2 male

connector with cable hole sized to fit 4, 2, 1 or 1/0 cable. The 2-1-MPC will fit any No. 2 or No. 4 female connector.



Stock Number	Model Number	Description	Type Cable Connection	Cable Capacity	Standard Package
MPC SERIES POSITIVE-CAM Mechanical Connection - zinc plated type cable & cover screws					
9425-1100	1-MPC	Complete Connection	Single Ball-Point	4, 2, 1	1 ea. Male/Female
9425-1110	1-MPC-1	Male Half	Single Ball-Point	4, 2, 1	Pkg. 2 ea. Male
9425-1120	1-MPC-2	Female Half	Single Ball-Point	4, 2, 1	Pkg. 2 ea. Female
9425-1200	2-MPC	Complete Connection	Single Ball-Point	1/0, 2/0, 3/0	1 ea. Male/Female
9425-1210	2-MPC-1	Male Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Male
9425-1220	2-MPC-2	Female Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Female
9425-1400	4-MPC	Complete Connection	Double Ball-Point	3/0 or 4/0	1 ea. Male/Female
9425-1410	4-MPC-1	Male Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Male
9425-1420	4-MPC-2	Female Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Female
9425-1140	2-1-MPC	Whip Connection	Single Ball-Point	4, 2, 1, 1/0	Pkg. 2 ea.

### Replacement Tapered Machine Plugs - Ball-Point Connection

Stock Number	Plug Number	Taper Length	Taper Dimension	Cable Capacity
9505-1800	1-M-T	1 1/8" 28,6mm	21/64" to 23/64" 8,3mm x 9,1mm	4, 2, 1
9505-1801	2-M-T	1 1/8" 28,6mm	21.64" to 23/64" 8,3mm x 9,1mm	1/0, 2/0, 3/0

### Receptacle Conversion Adapters

Stock Number	Adapter Number	Fits Cam Locking Machine Receptacle	Fits Tweco Male Plug Ends
9505-1811	2-CLC	Large - 11/16" I.D. 17,5mm	No. 2-MPC, 4-MPC

## TWECO GROUND CLAMPS



**SGC-500**



**GC-300**



**FGC-500**



**GC-600-50**

Stock Number	Model Number	Amperage Capacity	Jaw Opening	Cable Conn Capacity	English Length	Metric Length
9205-1230	<b>SGC-300</b>	300	2" - Depth 1 3/4" 50,8mm - 44,4mm	1/2" Stud Connection	9"	228mm
9205-1250	<b>SGC-500</b>	500	2" - Depth 1 3/4" 50,8mm - 44,4mm	1/2" Stud Connection	9"	228mm
9205-1120	<b>GC-200</b>	200	1" - Depth 3" 25,4mm - 76,2mm	Ball-Point thru 1/0	6"	157mm
9205-1130	<b>GC-300</b>	300	1 1/2" - Depth 4" 38,1mm - 101,0mm	Ball-Point thru 3/0	8 1/2"	216mm
9205-1150	<b>GC-500</b>	500	2" - Depth 5 1/4" 50,8mm - 133,0mm	Ball-Point thru 4/0	10"	254mm
9205-1320	<b>FGC-200</b>	200	5/8" - Depth 2" 15,9mm - 50,8mm	Ball-Point thru 1/0	5"	127mm
9205-1330	<b>FGC-300</b>	300	1" - Depth 3 1/2" 25,4mm - 88,9mm	Ball-Point thru 3/0	7 1/4"	184mm
9205-1350	<b>FGC-500</b>	500	1 1/2" - Depth 3 1/4" 38,1mm - 82,6mm	Ball-Point thru 4/0	9 1/4"	234mm
9210-1150	<b>GC-600-50</b>	500	2 1/2" - Depth 1 3/8" 63,5mm - 41,3mm	1/2" Cap Screw		
9210-1202	<b>GC-600-TMP</b>	600	2 1/2" - Depth 1 3/8" 69,5mm - 34,9mm	Tweco Male Plug		
9210-1201	<b>GC-600-DBP</b>	600	2 1/2" - Depth 1 3/8" 63,5mm - 34,9mm	Double Ball-Point		

## HEAVY DUTY ROTARY GROUND DEVICES

Tweco Roto-Ground is a highly efficient device for grounding weldments while being rotated on turning rolls or positioners. The 2" shaft shoulders up to a steel nut which the user welds to his rotating work or fixture. Tweco Roto-Grounds have no brushes, springs or mercury. A simple tension adjusting bolt provides maximum efficiency.



**RG-440**



**GCRG-140**

Stock Number	Model Number	Amperage Capacity	Cable Capacity	Number of Heads	Shaft Stud	English Length	Metric Length
9250-1114	<b>RG-140</b>	400	1-4/0	1	3/4" NC	8"	203mm
9520-1123	<b>RG-230</b>	600	2-3/0	1	1 1/8" NC	10 1/4"	260mm
9950-1124	<b>RG-240</b>	800	2-4/0	1	1 3/8" NC	10 5/8"	270mm
9950-1144	<b>RG-440</b>	1500	4-4/0	2	1 3/8" NC	10 5/8"	270mm
9950-1164	<b>RG-640</b>	2000	6-4/0	3	1 3/8" NC	10 5/8"	270mm
9210-1314	<b>GCRG-140</b>	400	1-4/0	1	3/4" NC		

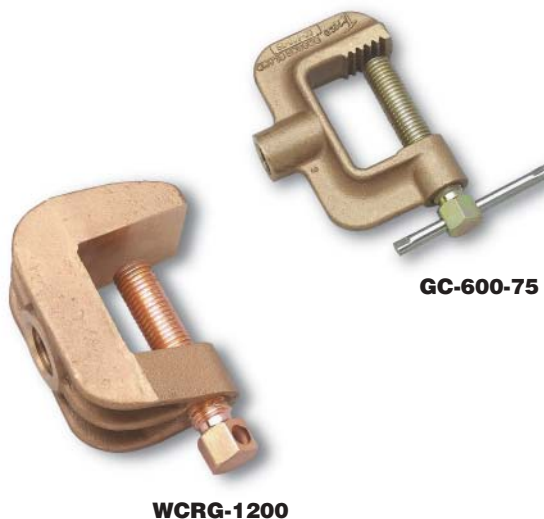
Manual Welding Products & Accessories



## TWECO ROTO-WORK GROUNDING CLAMPS

Tweco Roto-Work Ground Clamps are designed primarily to work in conjunction with the Tweco Roto-Ground Device. However, they may also be used for other high amperage grounding applications. The Roto-Ground shaft screws into the tapered back of the Roto-Work Clamp. The clamp is quickly attached or moved from one rotating weldment or fixture to the other without removing the Roto-Ground from it. Saves welding down time.

Roto-Work Clamps are made from a copper alloy. They come in 600, 1200 and 2000 ampere capacity. Number WCRG-2000 has two tightening screws. Number WCRG-600 works only with No. RG-230 due to its smaller shaft size. Large tightening screws and ample contact surface area provide cool, efficient operation.



**WCRG-1200**

**GC-600-75**

Stock Number	Model Number	Amperage Capacity	Fits Roto-Ground	Clamp Contact	Throat Height	Throat Depth	Over-All Height	Over-All Width	Taper For
9255-1106	<b>WCRG-600</b>	600	RG-230	6 1/4 Sq. In.	2 1/2" 63,5mm	2 1/2" 63,5mm	5 3/4" 146,0mm	2 1/2" 63,5mm	1 1/8" NC
9255-1112	<b>WCRG-1200</b>	1200	RG-240/440	9 Sq. In.	3" 76,2mm	3" 76,2mm	6 3/4" 171,0mm	3" 76,2mm	1 3/8" NC
9255-1120	<b>WCRG-2000</b>	2000	RG-440/640	12 Sq. In.	3" 76,2mm	3" 76,2mm	6 3/4" 171,0mm	4" 102,0mm	1 3/4" NC
9255-1075	<b>GC-600-75</b>	Clamp Only - Tapered 3/4" for RG-140 Roto-Ground Only							

## TWECOLUGS® - CRIMP OR SOLDER TYPE (use Tweco "Lug-Set")



**T-120**

**T-40HD**

**T-46**

Stock Number	Model Number	Welding Cable Size	Amp Rating	Size of Stud Hole	I.D. Solder Socket	Std Pkg
9520-1104	<b>T-62</b>	6 thru 2	150	17/32" 13,5mm	.461" 11,7mm	50
9520-1105	<b>T-120</b>	1 thru 2/0	225	17/32" 13,5mm	.559" 14,2mm	50
9520-1107	<b>T-3040</b>	3/0 & 4/0	250	17/32" 13,5mm	.660" 16,7mm	25
9520-1109	<b>T-40HD</b>	4/0 Heavy-Duty	325	21/32" 17,7mm	.776" 19,7mm	25
<b>POWER CABLE LUGS</b>						
9520-1101	<b>T-810</b>	8 thru 10	50	13/64" 5,2mm	.238" 6,1mm	200
9520-1102	<b>T-68</b>	6 thru 8	70	21/64" 8,3mm	.289" 7,3mm	125
9520-1103	<b>T-46</b>	4 thru 6	90	21/64" 8,3mm	.347" 8,8mm	100

## TWECO TERMINALS AND TWECOLUGS®

### TWECO SCREW-ON TERMINALS

Fits Terminal Size 1/2" (12,7mm) NC



**2-SF-50**

(MODEL NO. / STOCK NO.)

		Accepts Tweco Connector Number
<b>1-SF-50</b> 9505-1151		No. 1 Male Half
<b>2-SF-50</b> 9505-1152		No. 2 & No. 4 Male Half

### TWECO FEMALE TERMINALS

Stud Hole Size 17/32" (13,5mm)



**1-AF**



**1-OF**

(MODEL NO. / STOCK NO.)

(MODEL NO. / STOCK NO.)	Description	Accepts Male Ends	Standard Package
<b>1-AF</b> 9510-1100	45° Angle	1-MPC	24
<b>1-OF</b> 9510-1101	180° Offset	1-MPC	24
<b>2-AF</b> 9510-1110	45° Angle	2-MPC, 4-MPC	24
<b>2-OF</b> 9510-1111	180° Offset	2-MPC, 4-MPC	24

### BALL-POINT CONNECTION TYPE LUGS

Stud Hole Size 17/32" (13,5mm)



**10-45**



**10-45C**



**40-180**



**40-180C**

(MODEL NO. / STOCK NO.)

(MODEL NO. / STOCK NO.)	Description	Cable Capacity	Standard Package
<b>10-45</b> 9515-1100	45° Angle less insulated cover	thru 1/0	12
<b>10-180</b> 9515-1102	180° Offset less insulated cover	thru 1/0	12
<b>40-45</b> 9515-1110	45° Angle less insulated cover	thru 4/0	12
<b>40-180</b> 9515-1112	180° Offset less insulated cover	thru 4/0	12
<b>10-45C</b> 9515-1101	45° Angle with insulated cover	thru 1/0	12
<b>10-180C</b> 9515-1103	180° Offset with insulated cover	thru 1/0	12
<b>40-45C</b> 9515-1111	45° Angle with insulated cover	thru 4/0	6
<b>40-180C</b> 9515-1113	180° Offset with insulated cover	thru 4/0	6



# Manual Arc Welding Products



140-HD-180



140-HD-180C



240-HD-180

## HEAVY-DUTY TYPE LUGS

Mechanical Ball-Point

(MODEL NO. / STOCK NO.)		Description	Cable Capacity	Size Of Stud Hole	English Package	Metric Length
140-HD-180 9515-1120		180° Offset	3/0 & 4/0	21/32" 16,7mm	4 3/8"	111mm
140-HD-180C 9515-1121		With Insulated Cover - 180° Offset	3/0 & 4/0	21/32" 16,7mm	5 1/2"	140mm
240-HD-180 9515-1122		180° Offset	3/0 & 4/0	21/32" 16,7mm	4 5/8"	131mm

## TWECO CABLE SPLICERS

Ball-Point Type



BP-1030

(MODEL NO. / STOCK NO.)		Cable Fitting Type	Cable Capacity	Standard Package
BP-410 9605-1101		Ball Point	4, 2, 1, 1/0	12
BP-1030 9605-1103		Ball Point	1/0, 2/0, 3/0	12
BP-2040 9605-1105		Double Ball Point	2/0, 3/0, 4/0	6

## PANEL RECEPTACLES

Use With MPC Connectors



238-TSF



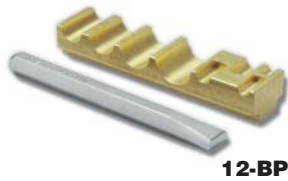
2916-BPF

(MODEL NO. / STOCK NO.)		Cable Fitting Type	Fits Tweco Connector	For Cable Size	Cable Attachment
1516-BPF 9580-1100		Ball-Point	No. 1	4, 2, 1	5/16" Ball-Point 7,9mm
114-TSF 9580-1101		Threaded	No. 1	4, 2, 1, 1/0	5/16" Thread, Stud 7,9mm
238-TSF 9580-1102		Threaded	No. 2, 4	1/0, 2/0, 3/0	3/8" Thread, Stud 9,5mm
2916-BPF 9580-1103		Ball-Point	No. 2, 4	1/0, 2/0, 3/0	9/16" Ball-Point 14,3mm
212-TSF 9580-1104		Threaded	No. 2, 4	1/0, 2/0, 3/0	1/2" - 20 Thread, Stud 12,7mm

## CABLE SPLICERS



(MODEL NO. / STOCK NO.)	Description	Welding Cable Size	Tube I.D.	Standard Package
<b>TS-62</b> 9610-1101	Copper Splicer	6 thru 2	.461" 11,7mm	100
<b>TS-120</b> 9610-1102	Copper Splicer	1 thru 2/0	.599" 15,2mm	50
<b>TS-3040</b> 9610-1103	Copper Splicer	3/0 thru 4.0	.660" 16,8mm	25
<b>TS-40HD</b> 9610-1104	Copper Splicer	4/0 Heavy-Duty	.776" 19,7mm	24



## TWECO "LUG-SET" BLOCK & PUNCH

For Use With Twecolugs

(MODEL NO. / STOCK NO.)	Description
<b>12-BP</b> 9900-1140	Block & Punch



## JACKET STRIPPING CABLE CUTTING HAND TOOL

(MODEL NO. / STOCK NO.)	Description
<b>T-908</b> 9900-1190	Tweco Cable Cutting Hand Tool

## TWECO SHAFT LUBRICANT

An electrical conductive grease to be used as a lubricant for roto-grounds and may be used when making mechanical connections with copper or aluminum cables. Effective as a lubricant on sliding or moving electrical contacts such as switches and rotating grounding devices. Apply generously to contact area from 1 oz. (29,6ml) or 8 oz. (237,0ml) plastic squeeze bottles. Reduce electrical resistance by as much as 40 to 50%



(MODEL NO. / STOCK NO.)	Description
<b>1Z-L</b> 9900-1123	Tweco Shaft Lubricant, 1 oz. (29,6ml) Plastic Squeeze Bottle
<b>8Z-L</b> 9900-1124	Tweco Shaft Lubricant, 8 oz. (237,0ml) Plastic Squeeze Bottle
<b>5B-L</b> 9900-1125	Tweco Shaft Lubricant, 5 lb. (2,3kg) Jar



## ROD OVEN TRB50 (110V)

- All stainless steel construction.
- Tool box construction makes unit easy to carry and open.
- Holds 50 lbs. of loose rods or 50 lb. container.
- All stainless interior tub sealed so moisture does not seep into insulation.
- Temperature control can be set at 100°F to 300°F.
- Energy efficient heating element heats rods quicker and with less electricity than other competitor ovens.
- New high tech insulation allows oven to heat 25% faster and holds the heat 25% longer than competitive ovens.



### TRB50

<b>Part No. / Stock No.</b>	<b>TRB50 / 9900-1160</b>
<b>Electrode Capacity:</b>	50 lbs. / 22,7Kg
<b>Volts:</b>	120
<b>Thermostat:</b>	Adjustable
<b>Temperature Range:</b>	150F-300F/60C - 150C
<b>Element:</b>	1 ea. 150 watt arc element for even heat distribution.
<b>Cabinet:</b>	Stainless Steel
<b>Illuminated Power Indicator Dimensions:</b>	23" x 9" x 11" 584mm x 229mm x 279mm
<b>Shipping Weight:</b>	30 lbs. / 13,6 Kg