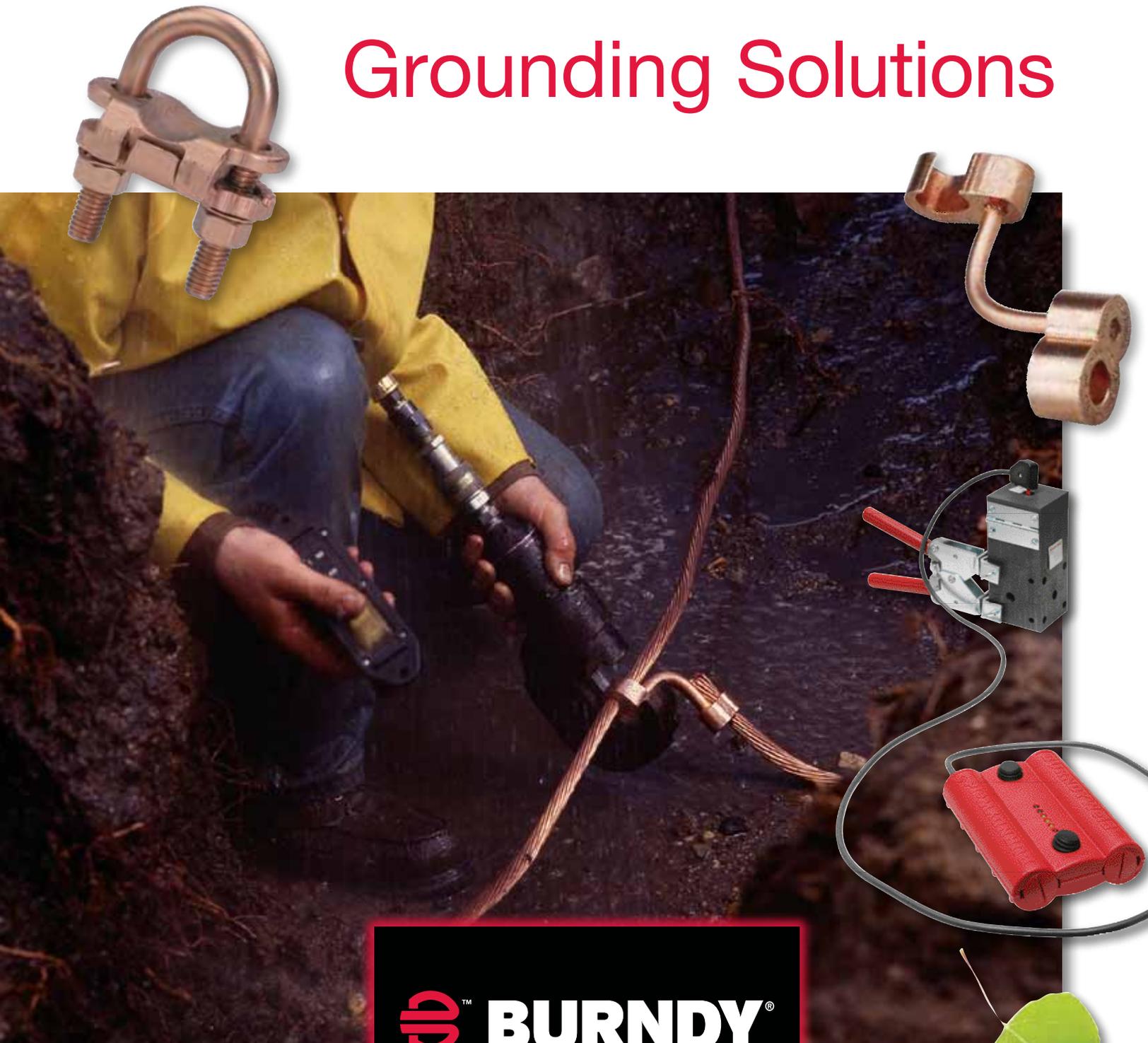


Grounding Solutions



Experience. Technology. Answers.™



Covering the Field

With Three Grounding Solutions

More than 80 years of technological innovation have made BURNDY® grounding connectors the most widely used and highly respected lines in the industry. Today, BURNDY® is a leading connector manufacturer and provider of commercial and industrial, utility and OEM solutions.

Through The Grounding Superstore™, we offer three types of grounding products:

- **Mechanical grounding connectors.** Our nut-and bolt design is simple to install without sacrificing performance. Because our mechanical connectors are made of high copper content alloy, top performance under the most extreme conditions is routine. Most connectors are listed for direct burial applications in earth or concrete.
- **BURNDYWeld® exothermic products.** This is a simple, portable and efficient method for welding copper to copper and other various materials. The high-temperature molecular weld reaction of powdered copper oxide and aluminum, results in a permanent, fusion or molecular weld connection.
- **HYGROUND® Irreversible Compression Grounding System.** This is the industry's safest, most complete, cost-effective and time-efficient grounding system. Our unique system of cross grid, tap, splice, cable to ground rod, ground plates and termination connectors are made of pure wrought copper—the same material as the conductor.



No matter the option you choose, you'll know you're getting quality products that meet and exceed standard performance guidelines—in all conditions.

BURNDY® has a made in the USA solution for virtually every grounding application.

A Look at the Versatile SUPER-CLAMP™ Raised Floor Pedestal Ground Connector

Installing raised floors is easier with the SUPER-CLAMP™ Raised Floor Pedestal Ground Connector. This specialized connector features a high-copper alloy body and stainless-steel hardware that can be installed on round or square pedestals. Able to accommodate multiple wire configurations, the open-face design can be installed without disassembling u-bolts or hardware.

Contact your local Sales Representative to discover how one SUPER-CLAMP™ can take the place of many other currently available options.

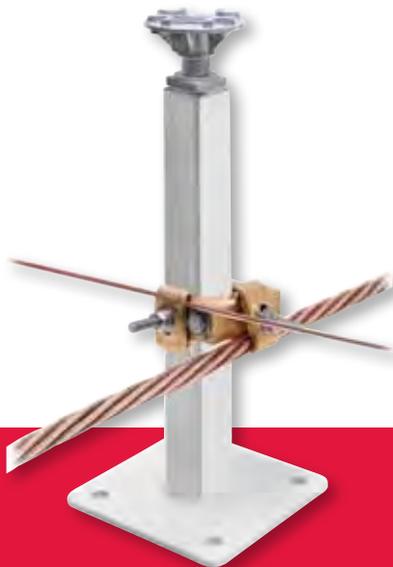


TABLE OF CONTENTS

**HYGROUND® IRREVERSIBLE COMPRESSION GROUNDING
AND INSTALLATION TOOLING**

HYGROUND® Features and Benefits	6 - 7		Type YGIB	24 - 25
Installation Instructions	8 - 9		Type GSTUD-HY	26
	Type YGL-C		Types YGT & YTTAG	27
	Type YGLR-C		Type YG-B	28
	Type YGHP-C	MECHANICAL GROUNDING		
	Type YGHP-C		Types KC, K2C	29
	Type YGHC-C		Types KC22J12T13, EQC632C, KS	30
	Type YGC		Types GKA, KPB, CL50-1	31
	Type YSHG		Type GAR	32 - 33
	Type YGHR-C		Types GAR-BU & GAR 3900 Series & GAR-RB	34
	Type YGHR-C		Type GAR-TC	35
	Type YGHA			
	Type YGHS			
	Type YGA			
	Type YGS			
	Type YGF			
I-Beam Connector Installation Instructions	23			

⚡LIGHTNING PROTECTION INFO.

- Basic rules for selection are:
1. Must be like material to the conductor.
 2. Two bolts to ground rod — minimum, for mechanical.
 3. Cable to cable connections can be installed with — one bolt, two bolt, or compression.
 4. Cable to steel structure must have 8 in.² contact with steel.
 5. Heavy duty stacks — mechanical only.
 6. On all connectors with heavy duty stack rating, we must offer 1/16" thick lead plating as an option. Reason is closest 25 ft. to stack opening must use lead coated product.
 7. UL 96 Listing.

TABLE OF CONTENTS
MECHANICAL GROUNDING (Continued)

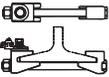
	Type GD	36		Type GC-CT	54
	Type GP	37		Type BDT-1 BONDIT®	55
	Type GK	37		Type BDTIBB BONDIT®	56
	Water Pipe Grounding	38 - 43		BWB680 Series	57
	Type GC-A	44		BSD Series	58
	Type GG	45		Type GIE-G	59
	Type GQ	46		Rail Connector	60
	Type GX	46		Type QGFL	61
	Types GRC, GRL, GCRT1/0	47		Type GA-H	61
	Type B	48 - 51		Type GRF Raised Floor Grounding	62
	Types GB, GBM	52		Types GP-G1, GP-RT Raised Floor Grounding	63
	Types GC, GCM	52		Type GXP Raised Floor Grounding	64
	Type GL	53		Type BBB Copper BusBar	65 - 66
	Type GZ	53			

TABLE OF CONTENTS

BURNDYWeld®

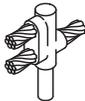
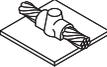
BURNDYWeld®			
Introduction	68		Type BCR-17 81
Making a BURNDYWeld®			Type BCR-24 82
Connection	69		Type BCS-1 84
 QIKLITE™	70		Type BCS-8 84
 WELD METAL	71		Type BCS-2 85
	Type BCC-1		Type BCS-9 85
	72		Type BCS-3 86
	Type BCC-2		Type BCS-23 87
	73		Type BCS-4 88
	Type BCC-4		Type BCS-6 88
	74		Type BCS-7 89
	Type BCC-11		Type BCS-18 89
	75		Type BCS-5 90
	Type BCC-6		Type BCRE-1 91
	76		Type BCRE-2 92
	Type BCC-14		
	76		
	Type BCC-7		
	77		
	Type BCR-1		
	78		
	Type BCR-2		
	79		
	Type BCR-3		
	80		

TABLE OF CONTENTS

BURNDYWeld® (Continued)

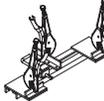
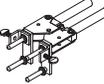
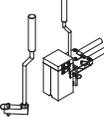
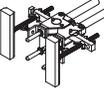
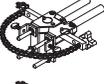
	Type BCRE-3	93		Type BCR-24	83
	Type BCRE-4	94		Type BCR-25	83
	Type BCRE-6	95	ACCESSORIES		
BURNDY® GROUNDMAX™				B38-0330-00 Cable Clamp	101
	BURNDY® GRIDMAX™	96 - 97		Cable Cleaning Brush	101
	Types B-106 & B-107 Handle Clamps	98		Card Cloth Brush	101
	B40-0106-75 Handle Attachment	99		Mold Cleaning Brush	101
	Mold Support Clamp	99		Mold Cleaners	101
	Vertical Magnetic Clamps	100		Packing Material	101
	Horizontal & Vertical Chain Clamps	100		BURNDYWeld® Tool Kit	102
			BURNDYWeld® Tools		
SINGLE SHOT MOLDS				B38-0101-00 Rasp	102
	Type BCR-1	83		B38-0309-00 Flint Ignitor	102
	Type BCR-2	83		Ground Rod Driving Sleeves	103
				Shim Stock and Adapter Sleeves	103
			Tips		
					104 - 105

TABLE OF CONTENTS

GROUNDING ACCESSORIES

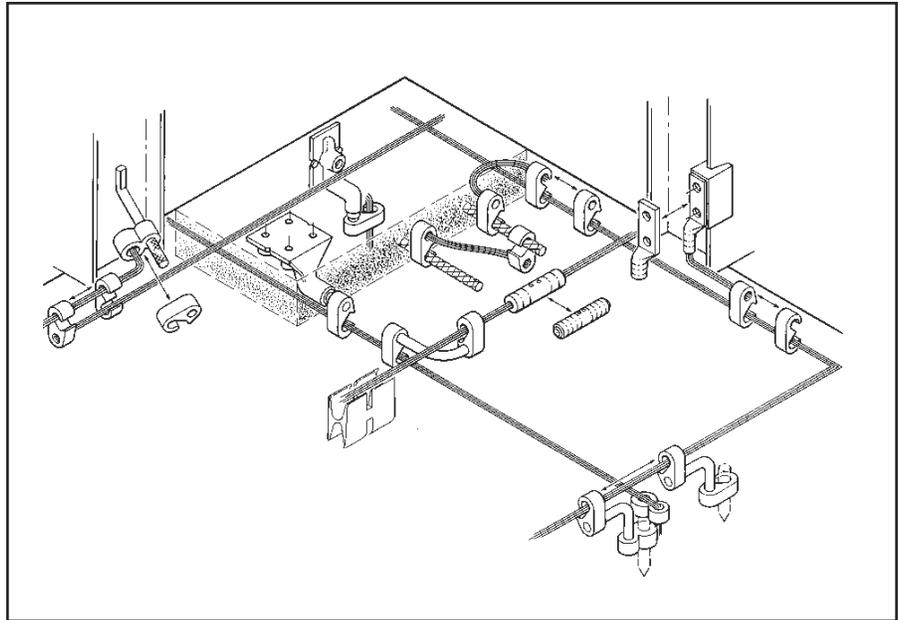
ACCESSORIES			
	PENETROX™ A, PENACARTRIDGE, PENETROX™ A-13, PENETROX™ E	106	
	PENETROX™ Technical and Ordering Information	107	
HARDWARE			
	DURIUM™ Bolts, Nuts, Washers	108 - 109	
	DURIUM™ Hardware Kits	110	
	Stainless Steel Hardware Kits	110	
	Galvanized Nuts, Bolts, Washers	111	
	Aluminum Nuts, Bolts, Washers	112	
	Stainless Steel Nuts, Bolts, Washers	113	
	Belleville Washers	113	
	DURIUM™ U-Bolts	114	
TOOLS			
	Warranty Information	115	
	U Dies, W Dies	116	
	Y750HSXT, Y750CHSXT	117	
	PATRIOT® PAT750XT-18V	118	
	PATRIOT® PAT750LI	119	
	PATRIOT® PAT46-18V	120	
	PATRIOT® PAT46-LI	121	
	MCC500, MCC1000	122	
	RCC556, RCC600, RCC750HD, RCC954ACSR1K, RCC1000	123	
	Y CUT129ACSR	124	
	BCC1000QUAL	125	
	PATRIOT® PATCUT129ACSR-18V	126	
	PATRIOT® PATCUT129-LI	127	
	PATRIOT® PATCUT245QUAL-18V	128	
	PATRIOT® PATCUT245-LI	129	
	Y10AC9	130	
	EPP10, EPP6	131	
	Y750BHXT, Y750CBHXT	132	
	Y46, Y46C	133	
	RHCC129ACSR	134	
	RHCC245QUAL	135	
ACCESSORIES			
	Hydraulic Hoses, ALFLUID™, HYFLUID™, Die Cases	136	
REFERENCE			
	Specifications for BURNDY® HYGROUND® System	138	
	Hardware Data	139	
	Cable Data	140 - 143	
	Alpha-Numeric Index	144 - 149	

**THE HYGROUND®
IRREVERSIBLE
COMPRESSION
SYSTEM**

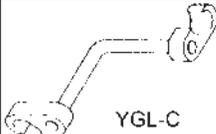
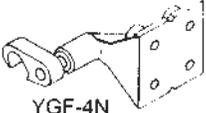
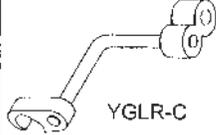
BURNDY® has developed an irreversible compression ground system which meets the most stringent safety and performance requirements, including those of OSHA and nuclear power plant design. Performance excellence and long life expectancy are the system's basic design guidelines. It is a complete system which consists of connectors for grid cross connections, taps, splices, cable to ground rod, ground plates and terminations.

Our irreversible compression ground connectors employ well-proven design principles and technology that have been in existence for over 60 years.

Connectors are just one component of our Irreversible Compression Ground System. Installation tooling is also an integral part of this system. BURNDY® pioneered the compression connector principle and continues today to be the leader in compression technology. Our tooling package is the most extensive in the industry and affords the user many options.



(LEGEND)

 YGHP-C	 YGL-C	 YGHA	 YGF-4N	 YSHG
 YGHR-C	 YGLR-C	 YGHS	 YGF-2N	 YGiB
 YGHC-C	 YGA	 YGS	 GSTUD-HY	

THE HYGROUND® IRREVERSIBLE COMPRESSION SYSTEM

(Continued)

Features and Benefits

- Irreversible compression.
 - ◇ Meets NEC code section 250.
- Material-pure wrought copper extrusions, rod and seamless tubing—identical material to the conductor.
 - ◇ Completely eliminates the possibility of corrosion due to dissimilar metals.
- Heavy duty connector design.
 - ◇ All connectors will carry the equivalent or greater current carrying capacity of the conductor while maintaining high mechanical strength and electrical integrity.
- Range taking design—minimum number of connector combinations required to install a conductor range of #6 solid to 500 kcmil plus 1/2", 5/8", 3/4", and 1" ground rods and rebar.
 - ◇ Inventories are kept to a minimum and product selection is simplified.
- System engineered tooling.
 - ◇ Each tooling recommendation has been designed to ensure reliability of the connection.
- Irreversible compression connectors can be installed in all kinds of weather.
 - ◇ Eliminates costly construction delays and enables the installer to better schedule his job.
- May be installed without special training or special tools. Y750 crimps entire range.
 - ◇ Low installed cost.
 - ◇ Simplified installation.
- Each connection can be made in less than 3 minutes.
 - ◇ Low installed cost.
 - ◇ Simplified installation.
- Each connector is clearly marked with catalog number, conductor size and installation die information.
 - ◇ Easy and accurate identification.
- Inspection ports are provided to assure proper insertion of the conductor.
 - ◇ Built-in quality assurance.
- The die index number is embossed on the connector after completion of the crimp.
 - ◇ Facilitates speedy inspection of installed connectors to insure consistently reliable and sound connections.
- Most HYGROUND® irreversible compression elements are prefilled with PENETROX™ and individually sealed in clear polyethylene sheet.
 - ◇ Ensures that all contact surfaces are in the proper condition for installation.
 - ◇ Ensures the electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area.
- All HYGROUND® irreversible compression connectors are Listed in conformance with Underwriters Laboratories Standard UL467 and conform to applicable sections of the National Electrical Code.
 - ◇ May be used in direct burial or concrete embedded grounding applications.
- All HYGROUND® irreversible connectors (with the exception of type YGA and YGS) have been tested successfully according to requirements of Standard IEEE 837.
 - ◇ Meets tough industry performance requirements.
 - ◇ UPRECRIMP dies give added mechanical strength. UPRECRIMP 34 for 3/4" rod, UPRECRIMP 12 for 1/2" rod, and UPRECRIMP 58 for 5/8" rod (now includes undersized U.S. market place rods).
- Allows connection to most sizes of structural steel with no drilling, tapping, or welding.
 - ◇ Safely installed at low cost. Hot work permits are not required to install in hazardous areas

Ground Rod and Rebar Diameter Chart				
Size	Ground Rod		Reinforcing Bar (Rebar)	
	Material*	Diameter	Size	Diameter
1/2"	Steel	0.500	#3 (3/8")	0.375
	Copperclad	0.475	#4 (1/2")	0.500
5/8"	Steel	0.625	#5 (5/8")	0.625
	Copperclad	0.563	#6 (3/4")	0.750
3/4"	Steel	0.750	#7 (7/8")	0.875
	Copperclad	0.682	#8 (1")	1.000
1"	Steel	1.000	#9 (1-1/8")	1.128
	Copperclad	0.914	—	—

Sizes are nominal — Consult Ground Rod or Reinforcing Bar Manufacturers for exact dimensions.
*Steel Ground Rods include: Galvanized, Stainless Steel.

Installation Instructions



BURNDY® HYGROUND® is the safest, most cost-effective, time-efficient, and easily inspected grounding system available today. A BURNDY® HYGROUND® compression connection can be made in three minutes. That translates to tremendous labor savings. Plus, you can keep your entire jobsite work on schedule as BURNDY® HYGROUND® connections can be made in even the most inclement weather conditions.



STEP 1

Select conductor or measure conductor with BURNDY® HYGROUND® WIREMIKE™. Clean conductor with wire brush as needed.



STEP 2

Select the appropriate connector and crimping tool. Select the connector size by conductor size or rod size or both.



STEP 3

Select and install proper die in tool. Note: When connecting to a ground rod, precrimp ground rod to increase mechanical strength by using the appropriate precrimp die. (Ground rods should be completely driven before connector installation.)



STEP 4

Center the connector in the die to ensure full embossment.



STEP 5

Place tool and connector on cable. Place this on cross cable or the rod to be connected.



STEP 6

Cycle crimping tool until audible pressure release is heard. Release tool.

The completed connection is ready for inspection for proper connector, conductor, die, and tool.

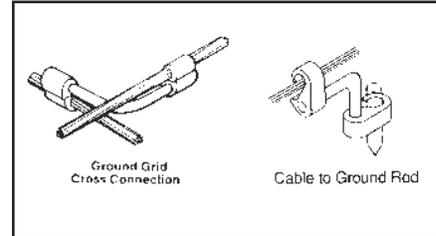
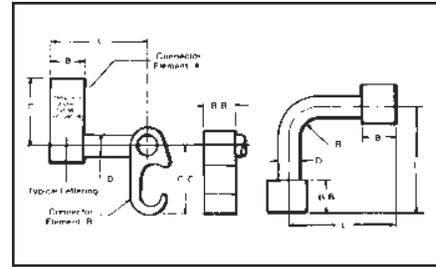
TYPE YGL-C

HYGRID™ CROSS CONNECTOR

An irreversible compression ground grid cross connector which allows adjustment of the compression elements prior to installation. Only six connectors and four dies are required to install all combinations from #6 solid through 500 kcmil. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



✓ UL96 Listed for Lightning Protection.



Catalog Number	B	B-B	C	C-C	D	L	R
YGL2C2	.75	.75	1.09	1.09	.313	2.50	.31
YGL29C2			1.66	1.66	.500		.50
YGL29C29			2.09	1.09	.313		.31
YGL34C2			1.66	.500	.50		
YGL34C29			2.28	2.28	.750		.75
YGL34C34	1.10	1.10	2.28	2.28	.750		

ORDERING INFORMATION

Catalog Number	Cable to Cable		Cable to Ground Rod		To Rebar
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"
YGL2C2	#6 Sol. (.162) – #2 Str. (.292) {59500} – {59500}	#6 Sol. (.162) – #2 Str. (.292) {59500} – {59500}			
YGL29C2	#1 Str. (.332) – 250 kcmil (.575) {98500} – {131500}				
YGL29C29	#2 Str. (.292) – 250 kcmil (.575) {65500} – {131500}	#2 Str. (.292) – 250 kcmil (.575) {65500} – {131500}	1/2" – 5/8" Rod	#6 Sol. (.162) – #2 Str. (.292) #2 Str. (.292) – 250 kcmil (.575)	3/8" – 1/2" #3 – 4 Rebar
YGL34C2	250 kcmil (.575) – 500 kcmil (.813)	#6 Sol. (.162) – #2 Str. (.292)	5/8" – 3/4" Rod	#6 Sol. (.162) – #2 Str. (.292)	5/8" – 3/4" #5 – 6 Rebar
YGL34C29		#2 Str. (.292) – 250 kcmil (.575)		#2 Str. (.292) – 250 kcmil (.575)	
YGL34C34		250 kcmil (.575) – 500 kcmil (.813)		250 kcmil (.575) – 500 kcmil (.813)	

Dimensions in brackets { } represent lightning protection conductors.

Catalog Number	Installation Tools, Die Set Catalog Number (Number of Crimps)							
	Y750/Y35/Y39 HYPRESS™		PAT750-18V		Y45 HYPRESS™		Y46 HYPRESS™	
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGL2C2	U-0 (1)	U-0 (1)	U-0 (1)	U-0 (1)	U-0 (1)	U-0 (1)	U-0 (1)	U-0 (1)
YGL29C2	U997 (1)	U-0 (1)	ⓐ U997P (1)	U-0 (1)	U997 (1)	U-0 (1)	U997 (1)	U-0 (1)
YGL29C29	U997 (1)	U997 (1)	ⓐ U997P (1)	ⓐ U997P (1)	U997 (1)	U997 (1)	U997 (1)	U997 (1)
YGL34C2*	PU998 (1)	U-0 (1)	PU998 (1)	U-0 (1)	S998 or PU998 (1)	U-0 (1)	P998 or PU998 (1)	U-0 (1)
YGL34C29*	PU998 (1)	U997 (1)	PU998 (1)	ⓐ U997P (1)	S998 or PU998 (1)	U997 (1)	PU998 or PU998 (1)	U997 (1)
YGL34C34*	U1011 (3)	U1011 (3)	U1011 (3)	U1011 (3)	S1011 (3)	S1011 (3)	P1011 (3)	P1011 (3)

- Where a "U" or "PU" die is recommended with Y45 HYPRESS™, a PT6515 adapter must be used.
 - Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.
- ⓐ Polarized die for the PAT750-18V.

* These connectors can only be installed using the Y750, Y45, or Y46 HYPRESS™ with the recommended dies. These connectors CANNOT be installed with the Y35 and Y39 HYPRESS™.

NOTES:

- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- Clean rust and/or protective coatings from rebar prior to installation.
- When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP™ die. For connections that must meet IEEE 837 requirements UPRECRIMP - type PRE crimp dies must be used for maximum clamping retention.

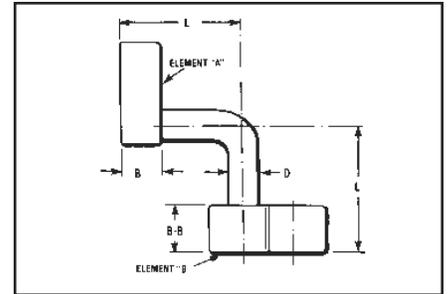
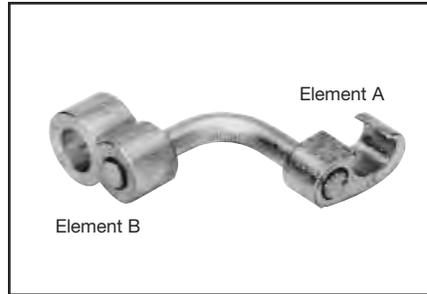
Ground Rod Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP 12	U2CABT
5/8"	UPRECRIMP 58	
3/4"	UPRECRIMP 34	

TYPE YGLR-C

GRIDLOK™

High Strength Irreversible
Compression Ground Rod to
Grid Connector

Ground grid connector for a wide range of copper cable to ground rod. Provides high torque strength on ground rod. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



Catalog Number	Commercial Copper Cable Range Element "A"	Metric Copper Cable Range Element "A"	Copper Weld Cable Range Element "A"	Ground Rod Dia. Element "B"	B	B-B	D	L	Installation Tools, Die Set Cat. No. (Number of Crimps)							
									Y35/Y39 HYPRESS™		Y750/PAT750		Y45 HYPRESS™		Y46 HYPRESS™	
									Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGLR29C12	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35mm² (7.62mm Dia.) thru 120 mm² (14.40mm Dia.)	91.65 kcmil (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	1/2" [12.7]					U97 (1)	PU998 (1)	U97 (1)	U97 (1)	S998 or PU998 (1)	U97 (1)	P998 or PU998 (1)	
	YGLR34C12	250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm² (14.40mm Dia.) thru 240 mm² (20.35mm Dia.)						248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)							
YGLR29C58	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm² (7.62mm Dia.) thru 120 mm² (14.40mm Dia.)	91.65 kcmil (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	5/8" [15.9]					U97 (1)	PU998 (1)	U97 (1)	U97 (1)	S998 or PU998 (1)	U97 (1)	P998 or PU998 (1)	
	YGLR34C58	250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm² (14.40mm Dia.) thru 240 mm² (20.35mm Dia.)						248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)							
YGLR29C34	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm² (7.62mm Dia.) thru 120 mm² (14.40mm Dia.)	91.65 kcmil (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	3/4" [19.1]	.75 [19.1]	.88 [22.4]			U97 (1)	PU998 (1)	U97 (1)	U97 (1)	S998 or PU998 (1)	U97 (1)	P998 or PU998 (1)	P1011(2) or PU998 (1)
	YGLR34C34	250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm² (14.40mm Dia.) thru 240 mm² (20.35mm Dia.)						248.8 kcmil (.572 Dia.) thru 496.8 kcmil (.810 Dia.)							
YGLR29C100	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm² (7.62mm Dia.) thru 120 mm² (14.40mm Dia.)	91.65 kcmil (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	1" [25.4]					U97 (1)	PU998 (1)	U97 (1)	U97 (1)	S998 or PU998 (1)	U97 (1)	P998 or PU998 (1)	
	YGLR34C100	250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm² (14.40mm Dia.) thru 240 mm² (20.35mm Dia.)						248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)							

NOTES:

- Before crimping, both connector elements can be turned on rod diameter 'D' to any desired position.
- Grooves are filled with PENETROX™.
- Suitable for direct burial in earth or concrete.
- The catalog numbers shown are for unplated copper connectors for use on copper clad or stainless steel ground rod. To order electro-tin plated connectors for use on galvanized steel ground rod add suffix "TN" to the catalog number, only if the Figure 8 connector (Element "B") is tin plated, the Figure 6 connector (Element "A") is unplated. Note: The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector.
- Ground rod must be pre-crimped with die U2CABT (Index No. 348) when crimping the ground rod element (Element "B") with the PU998 dies in the Y750, Y35, Y39, Y45, or Y46 tools. Pre-crimping is not required when the S1012, P1011 or U1011 dies are used. See precrimp die chart.
- Where a 'U' or 'PU' die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.
- Where a 'U' or 'PU' die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.
- Dimensions in bracket [] are in millimeters.
- Die "1011" appears on Element "B" of the connector only.

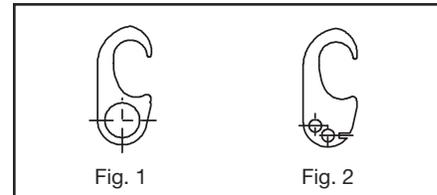
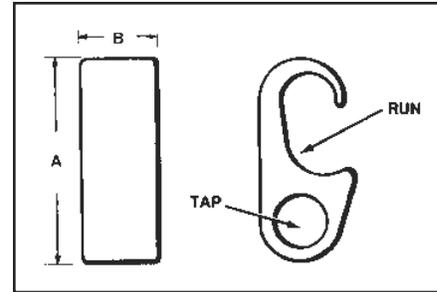
Ground Rod Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP 12	U2CABT
5/8"	UPRECRIMP 58	
3/4"	UPRECRIMP 34	

When attaching connector to ground rod, ground rod must be embossed with appropriate PRE-CRIMP™ die. For connections that must meet IEEE 837 requirements UPRECRIMP - type PRE crimp dies must be used for maximum clamping retention.

TYPE YGHP-C

HYTAP™ CONNECTOR

Irreversible compression ground tap figure 6 can be used as a tap connector or as a tap splice connector. Four die sets and eight connectors can accommodate a conductor range from #8 solid through 500 kcmil plus 1/2", 5/8", and 3/4" copper bonded ground rods. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



⚡ UL96 Listed for Lightning Protection.

IEEE-837



Catalog Number	Fig. No.	Accommodates		⑤ Cable To Rebar		B	Die Index No.	Installation Data				
		Run	Tap	Run	Tap			Y750/Y35 Y39 HYPRESS™	PAT750-18V	③ Y45 HYPRESS™	④ Y46 HYPRESS™	No. of Crimps
YGHP2C2	1	#6 Sol. (0.162) {59500} – #2 Str. (0.292) {59500}	① #6 Sol. (0.162) {#2 Str.} – #2 Str. (0.292) {#2 Str.}	—	—		0	U0	U0	U0	U0	1
YGHP2C6W6W ^⑧	2	#6 Sol. (0.162) – #2 Str. (0.292)	#8 Sol. (0.128) – 6 Str. (0.184) Qty. 2	—	—							
YGHP29C2	1	1/0 Str. (0.372) {98500} – 250 kcmil (0.575) {131500} 1/2" – 5/8" Rod	#8 Sol. (0.128) – 6 Str. (0.184) Qty. 2	#3 Rebar 3/8	#8 Sol. – 6 Str.	.75 [19]	997	U997	⑦ U997P	U997	U997	1
YGHP29C26	1		#4 Sol. (0.204) {#4 Sol.} – #2 Str. (0.292) {#2 Str.}	through	#2 Str.							
YGHP29C29 ^②	1		1/0 Str. (0.372) {98500} – 2/0 Str. (0.419) {98500}	#4 Rebar	1/0 Str. – 2/0 Str.							
YGHP29C29 ^②	1		3/0 Str. (0.470) {131500} – 250 kcmil (0.575) {211500}		3/0 Str. – 250 kcmil							
YGHP34C2 ^⑥	1	250 kcmil (0.575) {250 kcmil} – 500 kcmil (0.813) {500 kcmil} 5/8" – 3/4" Rod	#4 Sol. (0.204) – #2 Str. (0.292)	#5 Rebar 5/8	—	1.10 [28]	1011	⑥U1011	U1011	S1011	P1011	3
YGHP34C26 ^⑥	1		1/0 Str. (0.372) {98500} – 2/0 Str. (0.419) {98500}	through	1/0 Str. – 2/0 Str.							
YGHP34C29 ^⑥	1		3/0 Str. (0.470) {131500} – 250 kcmil (0.575) {211500}	3/4	3/0 Str. – 250 kcmil							
YGHP34C34 ^⑥	1	250 kcmil (0.575) – 500 kcmil (0.813) 5/8" – 3/4" Rod	350 kcmil (0.681) – 500 kcmil (0.843)	#6 Rebar	350 kcmil – 500 kcmil							

Dimensions in brackets { } represent lightning protection conductors.

NOTES:

- ① When using #6 Sol. in tap, fold conductor double to improve fill in YGHP2C2.
- ② For YGHP29C29 when using 3/0 in tap, minimum run conductor is 2/0 Str.
- ③ Where a 'U' or 'PU' die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.
- ④ Where a 'U' or 'PU' die is recommended with the Y45 HYPRESS™, a P-UADP-1 adapter must be used.
- ⑤ Clean rust and protective coatings from rebar before connector installation to provide a proper ground connection. Pre-crimping is not required.
- ⑥ These connectors can only be installed using the Y750, Y45 or Y46 HYPRESS™ with the recommended dies. These connectors can not be installed with the Y35 and Y39 HYPRESS™.
- ⑦ Polarized die for the PAT750-18V.
- ⑧ Not UL96/CSA.

Ground Rod Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP 12	U2CABT
5/8"	UPRECRIMP 58	
3/4"	UPRECRIMP 34	

For increased rotational resistance on ground rods, pre-crimp ground rod with U2CABT die Index 348 or uprecrimp dies may be used for even greater rotation and vibration resistance on ground rods.

CABLE TO GROUND ROD
CABLE TO REBAR
CABLE TO CABLE
FOR CONCRETE ENCASED
ELECTRODE GROUNDING
APPLICATIONS

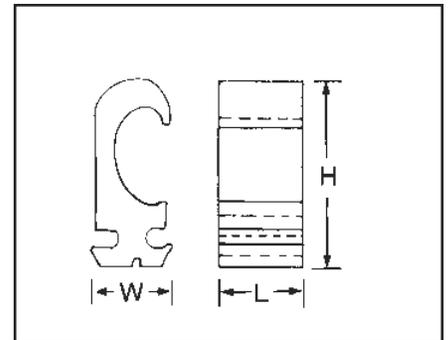
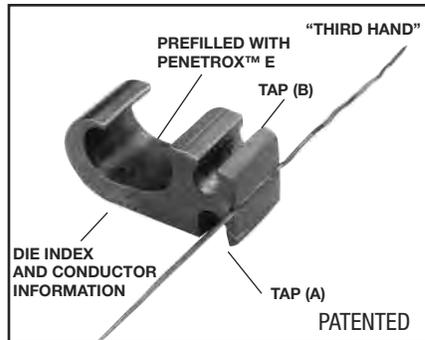
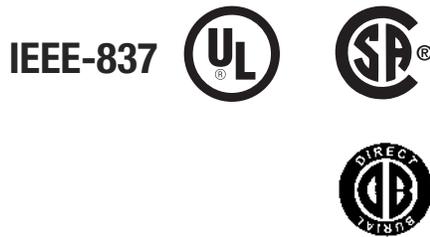
TYPE YGHP-C

HYTAP™ CONNECTOR

High Strength
Copper Irreversible
Compression

Ground Rod Tap Connector

Type YGHP-C irreversible compression ground tap figure 6 can be used as a ground rod tap connector for both continuous run and tapping applications. An open groove allows ground rod to be connected to a continuous run or tap. The second groove is for a tap only. Prefilled with PENETROX™ E and strip sealed. UL467 Listed for direct burial in earthen concrete.



Features and Benefits

- Tap (A) accepts a continuous run on tap conductor
Tap (B) accepts a tap conductor only.
 - ◇ One connector style can be used for many applications, reducing number of connectors in inventory.
- Material is high conductivity wrought copper extrusion, identical material to the conductor.
 - ◇ High-conductivity copper minimizes resistance and voltage drop. Eliminates the possibility of corrosion due to dissimilar metals.
- System engineered tooling.
 - ◇ The tooling recommendation has been designed to ensure a reliable, dependable connection every time.
- The die index number is embossed on conductor after completion of crimp.
 - ◇ Facilitates speedy inspection of installed connectors to ensure consistently reliable and dependable connections.
- Prefilled with PENETROX™ E and individually sealed in clear polyethylene sheet.
 - ◇ Ensures the electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area. Maintains long-term high-conductivity.
- UL467 Listed.
 - ◇ May be used in direct burial or concrete embedded grounding applications. Provides quality assurance to recognized industry NEC standards from an independent party.
- “Third Hand” constrains conductors while installer completes crimp. Included with each connector.
 - ◇ Simplifies installation, reducing installed cost.



SINGLE TAP



CONTINUOUS RUN



CONTINUOUS RUN AND TAP

Catalog Number	Ground Rod Dia. ■	Tap Conductor +	Dimensions			▲ Installation Tooling				Die Index
						Y35/Y750/PAT750		Y46 •		
			H	B	W	Die No.	No. of Crimps	Die No.	No. of Crimps	
YGHP58C2W-2	1/2" - 5/8"	#2 Sol. - #6 Sol. Copper (1) Continuous run and (1) Tap or up to (2) taps may be connected.	1.90"	.75"	.94"	U997	(1)	U997	(1)	997
YGHP58C2W-2TN										

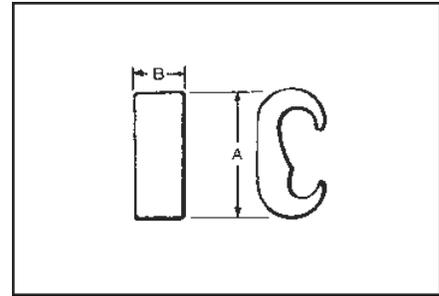
NOTE: A 12" bend radius is recommended for the conductor.
 • Use PUADP-1 with 'U'-dies in Y46.
 ▲ See tooling section in Master Catalog for complete tool and die listing.
 + Either tap position may be left void when fewer than (2) conductors are used.

■ Ground rod must be precrimped with die U2CABT (Index No. 348).
 For even greater rotational resistance use UPRECRIMP die.
 For Galvanized Steel Rods order YGHP58C2W-2TN.

TYPE YGHC-C

HYTAP™ CONNECTOR

Irreversible compression ground tap figure “C” connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. “C”- shaped opening permits placing two continuous parallel cables into conductor groove. UL 467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed. Certain sizes are also UL467 Listed and CSA Certified for wire to ground rod.



UL96 Listed for Lightning Protection.

Catalog Number	Commercial Copper Cable Range/ Ground Rod ③ to Copper Cable		Stranded Copper Cable Range		A	B	Die Index No.	Installation Data			No. of Crimps
	Run	Tap	Run	Tap				Y750/Y35/ PAT750/Y39 HYPRESS™	① Y45 HYPRESS™	② Y46 HYPRESS™	
YGHC2C2	#6 Sol. (0.162) #2 Str. (0.292) 1/4" Rod ⑦	#6 Sol. (0.162) #2 Str. (0.292)	10 mm² (4.12 mm) 35 mm² (7.62 mm)	10 mm² (4.12 mm) 35 mm² (7.62 mm)	1.16 [30]	0.75 [19]	C	U-C	U-C	U-C	1
YGHC26C2	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ⑦	#6 Sol. (0.162) {#6 Sol.} #2 Str. (0.292) {#2 Str.}	35 mm² (7.62 mm) 70 mm² (10.9 mm)	10 mm² (4.12 mm) 35 mm² (7.62 mm)	1.41 [36]	0.75 [19]	0	U-0	U-0	U-0	1
YGHC26C26	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ⑦	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500}	35 mm² (7.62 mm) 70 mm² (10.9 mm)	35 mm² (7.62 mm) 70 mm² (10.9 mm)	1.54 [39]	0.75 [19]	0	U-0	U-0	U-0	1
YGHC29C26	3/0 Str. (0.470) {3/0 Str.} 250 kcmil (0.575) {250 kcmil} 1/2" or 5/8" Rod ⑦	6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500}	95 mm² (12.5 mm) 120 mm² (14.4 mm)	10 mm² (4.12 mm) 70 mm² (10.9 mm)	1.97 [50]	0.75 [19]	997	U997	U997	U997	1
YGHC29C29	3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod ⑦	3/0 Str. (0.470) 250 kcmil (0.575)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	2.06 [52]	0.88 [22]	997	U997	U997	U997	1
YGHC34C26 ⑥	300 kcmil (0.630) {300 kcmil} 500 kcmil (0.813) {500 kcmil} 3/4" Rod ⑦	#6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500}	150 mm² (16 mm) 240 mm² (20.35 mm)	10 mm² (4.12 mm) 70 mm² (10.9 mm)	2.42 [62]	0.88 [22]	1011	U1011	S1011	P1011	2
YGHC34C29 ⑥	300 kcmil (0.630) 500 kcmil (0.813)	3/0 Str. (0.470) 250 kcmil (0.575)	150 mm² (16 mm) 240 mm² (20.35 mm)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	2.67 [66]	0.88 [22]	1011	U1011	S1011	P1011	2
YGHC34C34 ⑥	300 kcmil (0.630) 500 kcmil (0.813)	300 kcmil (0.630) 500 kcmil (0.813)	150 mm² (16 mm) 240 mm² (20.35 mm)	150 mm² (16 mm) 240 mm² (20.35 mm)	2.91 [74]	1.1 [28]	1011	U1011	S1011	P1011	3

Dimensions in brackets { } represent lightning protection conductors.

NOTES:

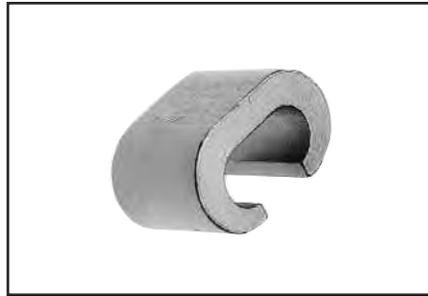
- Where a “U” or “PU” die is recommended with the Y45 HYPRESS™, PT6515 adapter must be used.
- Where a “U” or “PU” die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.
- Listed under UL486A for copper wire connectors
- Dimensions in brackets [] are in millimeters.
- In referencing connectors without PENETROX™ oxide inhibitor add suffix “NP” to the end of the Catalog Number.
- These connectors can only be installed using the Y750, Y45 or Y46 HYPRESS™ with the recommended dies. These connectors cannot be installed with the Y35 and Y39 HYPRESS™.
- Ground rod to copper cable is UL 467 Listed for direct burial in earth and concrete.
- For ground rod to wire applications, ground rod must be precrimped, see above table for appropriate precrimp dies.

Ground Rod Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP 12	U2CABT
5/8"	UPRECRIMP 58	
3/4"	UPRECRIMP 34	

TYPE YGC

COPPER CRIMPIT™

UL 467 Listed for direct burial in earth or concrete. Prefilled with PENETROX™ E2 oxide inhibitor.



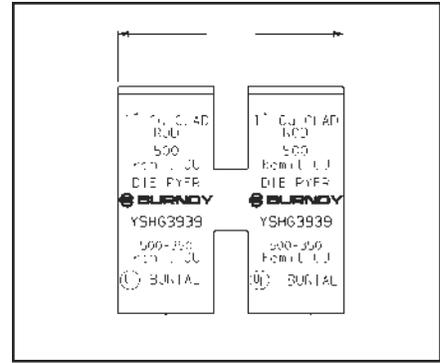
Catalog Number	Copper Conductor		H	L	Index	OUR840	MD6/MD7	Crimps
	Run	Tap						
YGC8C8	#8 Sol. #8 Str.	#8 Sol. #8 Str.	.46	.52	162	W162	W162	2
YGC6C8	#6 Sol. #6 Str.	#8 Sol. #8 Str.	.73	.62	BG	XBG	WBG	2
YGC6C6	#6 Sol. #6 Str.	#6 Sol. #6 Str.	.76	.62	BG	XBG	WBG	2

TYPE YSHG

HIGH STRENGTH COPPER IRREVERSIBLE COMPRESSION

Double H-Tap Connector

Type YSHG Double H-Tap grounding series is comprised of five connectors designed to accommodate wire range sizes #14 through 500 kcmil, including ground rod sizes: 3/4", 1", and rebar sizes: #6, #8 and #9. Prefilled with PENETROX™ E2 and strip sealed.



Features and Benefits

- UL467 Listed.
 - ◇ Suitable for direct burial in earth or concrete.
- Material is high conductivity copper extrusion.
 - ◇ Minimizes resistance, eliminates corrosion due to dissimilar metals.
- Grooves are prefilled with PENETROX™ E2 oxide inhibitor and individually sealed.
 - ◇ Inhibits moisture and contaminants ensuring electrical integrity.

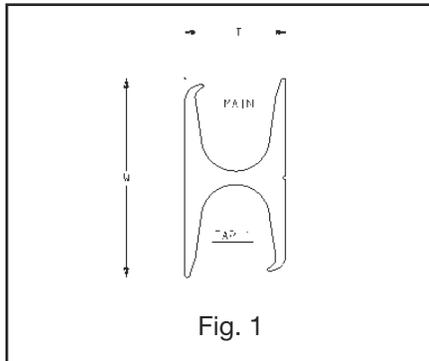


Fig. 1

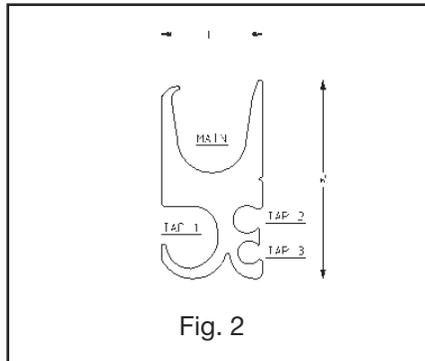


Fig. 2

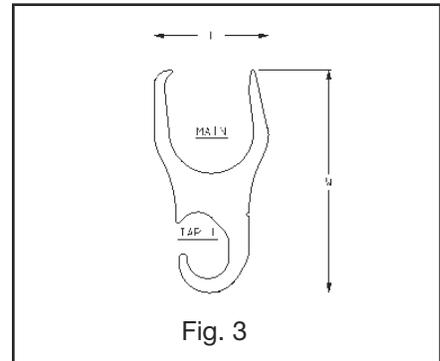


Fig. 3

Catalog Number	Fig. No.	Conductor Sizes				Tooling (number of crimps)		Index Embossment	W ±.06	T ±.04	L ±.06
		Main	Tap 1	Tap 2	Tap 3	PAT750/Y750	Y46				
YSHG4429	3	#9 & #8 Rebar, 1" [25] Ground Rod	250 - 2				PYFR (2)	K-R	3.22 [82]	1.70 [43]	2.44 [62]
* YSHG3931	2	#6 Rebar, 1" [25] Cu Clad Ground Rod, 3/4" Ground Rod 500 - 350 kcmil Copper	4/0 - 1/0	1 - 6	2 - 14		PYFR (2)	K-R	2.97 [75]	1.50 [38]	2.34 [59]
YSHG3434	1	#6 Rebar, 3/4" [19] Ground Rod 400 - 250 kcmil Copper	400 - 4/0			U1104 (4)	P1104 (2) †U1104 (4)	1104	2.43 [62]	1.15 [29]	2.44 [62]
YSHG3429	2	#6 Rebar, 3/4" [19] Ground Rod 400 - 4/0 kcmil Copper	3/0 - 1/0	1 - 4	8 - 14	U1104 (4)	P1104 (2) †U1104 (4)	1104	2.23 [57]	1.31 [33]	2.44 [62]

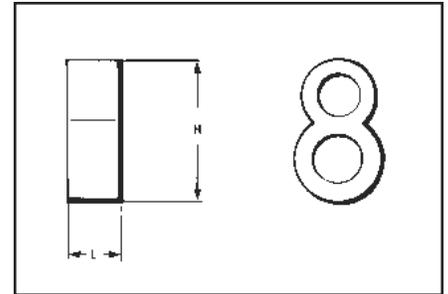
* NOTE: Not for use on 1" steel ground rod.
† Use PUADP-1 adapter.

TYPE YGHR-C

HYTAIL™

High Strength Irreversible
Compression Ground Rod
Tap Connectors

High torque strength ground rod connectors. Accommodates a wide range of copper conductors to ground rod. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



Catalog Number	H	B
YGHR26C12	1.94" [49.3]	.88" [22.4]
YGHR26C58	1.97" [50.0]	
YGHR26C34	2.19" [55.6]	
YGHR26C100	2.55" [64.8]	
YGHR29C12	1.94" [49.3]	
YGHR29C58	2.14" [54.4]	
YGHR29C34	2.19" [55.6]	
YGHR29C100	2.45" [62.2]	
YGHR34C58	2.14" [54.4]	
YGHR34C34	2.44" [62.0]	
YGHR34C100	2.70" [68.6]	

Catalog Number	Commercial Copper Cable Range	Nominal Ground Rod Dia.	Installation Tools, Die Set Catalog Number (Number of Crimps)				
			PAT750/Y750/Y35/Y39 ①	Y45 HYPRESS™ ①	Y46 HYPRESS™ ①		
YGHR26C12	#2 Str. (.292 Dia.) through 2/0 Str. (.419 Dia.)	1/2" [12.7]	U1011 (2) ④ PU998 (1)	S1012 (2) ④	P1011 (2) ④ PU998 (1)		
YGHR26C58		5/8" [15.9]		PU998 (1) ②			
YGHR26C34		3/4" [19.0]		S1011 (2) S1012 (2) PU998 (1)			
YGHR26C100*	1" [25.4]	S1012 (2) ④		S1011 (2) S1012 (2) ④ PU998 (1) ④ S1012 (2) ④ PU998 (1) ② S1011 (2)			
YGHR29C12	1/2" [12.7]	S1011 (2) S1012 (2) ④ PU998 (1) ④ S1012 (2) ④ PU998 (1) ② S1011 (2)				P1011 (2) ④ PU998 (1)	
YGHR29C58	5/8" [15.9]						
YGHR29C34	3/4" [19.0]						
YGHR29C100*	1" [25.4]						
YGHR34C58	300 kcmil (.630 Dia.)						5/8" [15.9]
YGHR34C34*	through						3/4" [19.0]
YGHR34C100*	500 kcmil (.813 Dia.)						1" [25.4]

NOTES:

- The catalog numbers shown are for unplated copper connectors for use on copper clad or stainless steel ground rod. To order electro-tin plated connectors for use on galvanized steel ground rod add suffix "TN" to the catalog number. Note: The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector.
- ① Ground rod must be pre-crimped with die U2CABT (Index No. 348) when the PU998 dies are used in the Y750, Y35, Y39, Y45, or Y46 tools. Pre-crimping is not required when the P1011, S1011, S1012 or U1011 dies are used. UPRECRIMP dies may be used for additional mechanical resistance on ground rods.

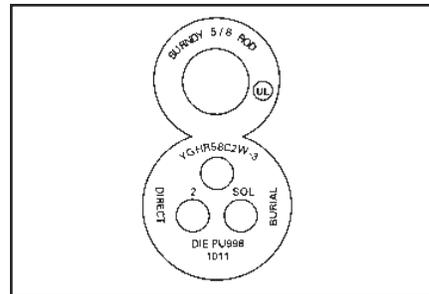
- ② Where a PU998 die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.
- ③ Where a PU998 die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.
- ④ These die numbers do not appear on the connector.
* These connectors can only be installed using the Y750, Y45 or the Y46 HYPRESS™ with the recommended dies. These connectors CAN NOT be installed with the Y35 and Y39 HYPRESS™. When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP™ die. For connections that must meet IEEE 837 requirements UPRECRIMP - type PRE crimp dies must be used for maximum clamping retention.

TYPE YGHR-C

HYTAIL™

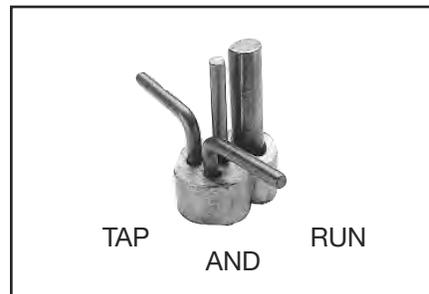
High Strength Irreversible Compression Ground Rod Tap Connectors

Type YGHR-C irreversible compression grounding connector is engineered specifically for the Telecommunications Industry for (1, 2 or 3) #2 solid, tinned or bare conductor taps. UL467 Listed. Acceptable for direct burial in earth or concrete. BURNDY® has designed this connector to meet the stringent requirements of OSHA, the National Electric Code (NEC), UL, and the Telecommunications Industry. Performance and long life are this connector's basic design guidelines.



Features and Benefits

- Tap side 1, 2 or 3 conductors.
 - ◊ One connector style can be used for many applications.
- Material is high conductivity wrought copper extrusion, identical material to the conductor.
 - ◊ High-conductivity copper minimizes resistance and voltage drop. Eliminates the possibility of corrosion due to dissimilar metals.
- System engineered tooling.
 - ◊ Each tooling recommendation has been designed to provide a reliable, dependable connection.
- The die index number is embossed on connector after completion of crimp.
 - ◊ Facilitates speedy inspection of installed connectors to ensure consistently reliable and dependable connections.
- Prefilled with PENETROX™ and individually sealed in clear polyethylene sheet.
 - ◊ Ensures the electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area. Maintains long-term high-conductivity.
- UL 467 Listed. Acceptable for direct burial.
 - ◊ May be used in direct burial or concrete embedded grounding applications. Provides quality assurance to recognized industry NEC standards from an independent party.



Catalog Number +	Ground Rod Diameter •	Tap Conductor ▲	Installation Tooling				Die Index
			PAT750/Y35/Y750**		Y46*		
			Die No.	No. of Crimps	Die No.	No. of Crimps	
YGHR58C2W-3	5/8"	#2 Sol. Copper 1, 2, or 3 may be connected	PU998†	(1)	PU998†	(1)	998 or 1011
			U1011	(2)	U1011	(2)	
					P998	(1)	
				P1011	(2)		

• Contact BURNDY® for other ground rod diameters.
 * PU998 and U1011 die sets require PUADP-1 adapter for use in the Y46 HYPRESS™.
 Tap positions may be left void when fewer than (3) conductors are used.
 + To order electro-tin plated connector for use on galvanized steel ground rod add suffix -"TN" to the catalog number.
 NOTE: The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector.

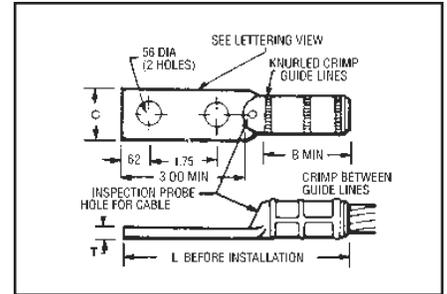
† Ground rod must be precrimped with die U2CABT (Index No. 348) when PU998 die set is used in the Y35, Y750 or Y46.
 ▲ HYPRESS™ tools. For even greater mechanical resistance use UPRECRIMP 58 dies.
 ** The Y750 utilizes PU dies and the U1011 die. The Y35 only uses PU998 die set.
 NOTE: A 12" bend radius is recommended for the conductor.

TYPE YGHA

HYLUG™

Heavy Duty Irreversible Compression Terminals

Heavy duty HYLUG™ irreversible compression terminals designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number, and (Number of Crimps) HYPRESS™ Y35/Y39/Y45 ① /Y46 ② /Y750 /PAT750	B	C	L	T
			YGHA2C-2N	2 str.	U1CRT (1)	.75
YGHA25-2N	1/0 str.	U27RT (1)	.83	.91	4.60	.19
YGHA26-2N	2/0 str.	U28RT (1)	.83	.97	4.38	.26
YGHA27-2N	3/0 str.	U29RT (1)	1.18	1.08	4.94	.29
YGHA28-2N	4/0 str.	U30RT (2)	1.18	1.22	4.94	.30
YGHA29-2N	250 kcmil	U31RT (2)	1.18	1.28	4.94	.34
YGHA31-2N	350 kcmil	U34RT (2)	1.18	1.62	5.00	.43
YGHA34-2N	500 kcmil	U36RT (3)	1.48	1.72	5.42	.40

① Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.

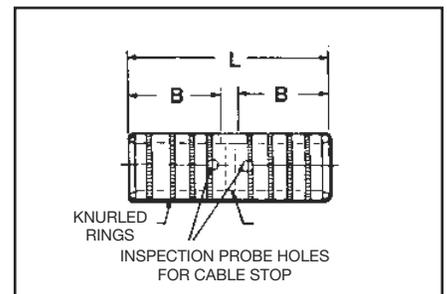
② Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.

TYPE YGHS

HYLINK™

Heavy Duty Irreversible Compression Terminals

Heavy duty HYLINK™ ground splice designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number, and (Number of Crimps) HYPRESS™ Y35/Y39/Y45 ① /Y46 ② /Y750 /PAT750	B	L
			YGHS2C	2 str.
YGHS25	1/0 str.	U27RT (1)	.83	1.89
YGHS26	2/0 str.	U28RT (1)	.83	1.89
YGHS27	3/0 str.	U29RT (1)	1.18	2.59
YGHS28	4/0 str.	U30RT (2)	1.18	2.59
YGHS29	250 kcmil	U31RT (2)	1.18	2.59
YGHS31	350 kcmil	U34RT (2)	1.18	2.59
YGHS34	500 kcmil	U36RT (3)	1.48	3.19

① Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.

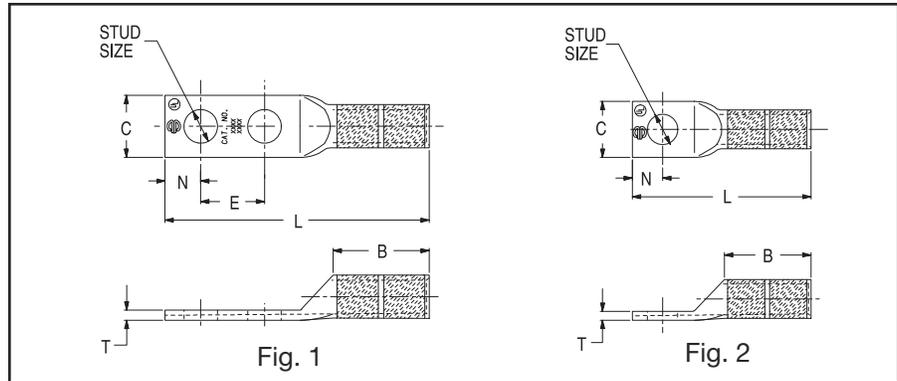
② Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.

TYPE YGA

HYLUG™

Grounding Irreversible Compression Terminals

Irreversible compression HYLUG™ Ground terminal specifically designed for grounding applications. Each connector has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



Catalog Number	Fig. No.	Copper Conductor Size	Installation Tools, Die Set Catalog Number (Number of Crimps)				Stud Size	B	C	L	T	E
			Mechanical		Hydraulic							
			Y2MR Die # (# of crimps)	MD7-34R Die # (# of crimps)	OUR840 Die # (# of crimps)	Y35/Y39/Y45/PAT750 ① /Y46 ② /Y750 Die # (# of crimps)						
YGA8C-TC10	2	8 sol./8 str.	Red (4)	W8CVT (2) X8CRT (2)	OUR840	U8CRT (2)	#10	.81	.41	1.57	.08	—
YGA8C-TC14	2	8 sol./8 str.	Red (4)	W8CVT (2) X8CRT (2)	OUR840	U8CRT (2)	1/4	.81	.44	1.69	.08	—
YGA8C-TC516	2	8 sol./8 str.	Red (4)	W8CVT (2) X8CRT (2)	OUR840	U8CRT (2)	5/16	.81	.51	1.75	.06	—
YGA8C-2N	1	8 sol./8 str.	Red (4)	W8CVT (2) X8CRT (2)	OUR840	U8CRT (2)	1/2	.81	.71	4.09	.05	1.75
YGA6C-TC10	2	6 sol./6 str.	Blue (4)	W5CVT (2) X5CRT (2)	OUR840	U5CRT (2)	#10	1.12	.42	1.89	.09	—
YGA6C-TC14	2	6 sol./6 str.	Blue (4)	W5CVT (2) X5CRT (2)	OUR840	U5CRT (2)	1/4	1.12	.45	2.02	.08	—
YGA6C-TC516	2	6 sol./6 str.	Blue (4)	W5CVT (2) X5CRT (2)	OUR840	U5CRT (2)	5/16	1.12	.51	2.08	.07	—
YGA6C-2TC38E2G1	1	6 sol./6 str.	Blue (4)	W5CVT (2) X5CRT (2)	OUR840	U5CRT (2)	3/8	1.12	.58	3.42	.06	.75
YGA6C-2N	1	6 sol./6 str.	Blue (4)	W5CVT (2) X5CRT (2)	OUR840	U5CRT (2)	1/2	1.12	.83	4.40	.12	1.75
YGA2C-2TC38	1	2 sol./2 str.	Brown (4)	W2CVT (2) X2CRT (2)	OUR840	U2CRT (2)	3/8	1.25	.60	3.48	.12	1.00
YGA2C-2N	1	2 str.	Brown (4)	W2CVT (2) X2CRT (2)	OUR840	U2CRT (2)	1/2	1.22	.81	4.71	.12	1.75
YGA25-2N	1	1/0 str.	—	W25VT (4) X25RT (4)	OUR840	U25RT (2)	1/2	1.35	.81	4.91	.12	1.75
YGA26-2N	1	2/0 str.	—	W26VT (4) X26RT (4)	OUR840	U26RT (2)	1/2	1.45	.81	4.89	.12	1.75
YGA28-2N	1	4/0 str.	—	W28VT (4) X28RT (4)	OUR840	U28RT (2)	1/2	1.57	1.00	5.06	.14	1.75
YGA29-2N	1	250 kcmil	—	W29VT (4)	OUR840	U29RT (2)	1/2	1.57	1.09	5.16	.16	1.75
YGA34-2N	1	500 kcmil	—	W34VT (4)	OUR840	U34RT (4)	1/2	2.20	1.52	5.94	.23	1.75

① Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.

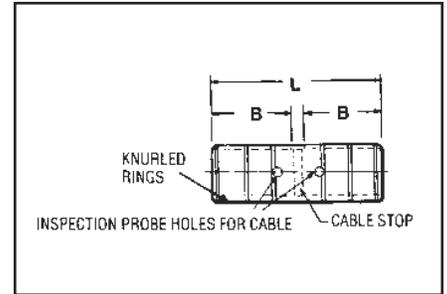
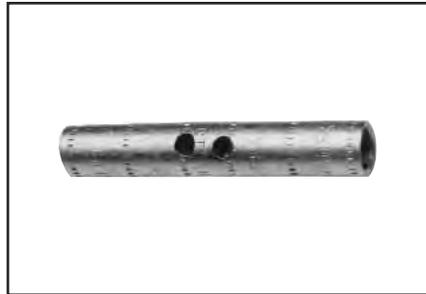
② Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.

TYPE YGS

HYLINK™

Grounding Irreversible
Compression Splices

Irreversible compression HYLINK™ ground splices specifically designed for grounding applications. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



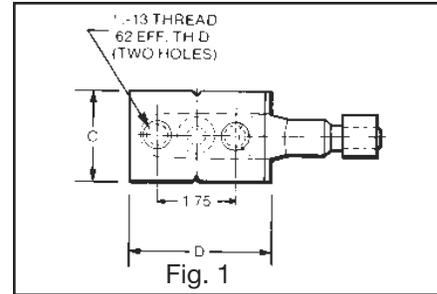
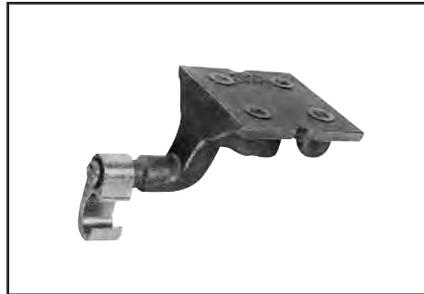
Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number (Number of Crimps)				B	L
		Mechanical			Hydraulic		
		Y2MR	MD7-34R	OUR840	Y35/Y39/Y45 ^①		
		Die # (# of Crimps)	Die # (# of Crimps)	Die # (# of Crimps)	/Y46 ^② /Y750/PAT750 Die # (# of Crimps)		
YGS8C	#8 sol./str.	—	X8CRT, W8CRT, W8CVT ^③		U8CRT (2)	.78	1.75
YGS6C	#6 sol./str.	—	X5CRT, W5CRT, W5CVT ^③		U5CRT (2)	1.09	2.38
YGS2C	2 str.	Brown (4)	W2CVT (2) X2CRT (2)		U2CRT (2)	1.22	2.67
YGS25	1/0 str.	—	W25VT (4) X25RT (4)		U25RT (2)	1.35	2.97
YGS26	2/0 str.	—	W26VT (4) X26RT (4)		U26RT (2)	1.45	3.13
YGS28	4/0 str.	—	W28VT (4) X28RT (4)		U28RT (2)	1.57	3.37
YGS29	250 kcmil	—	W29VT (4)		U29RT (2)	1.57	3.37
YGS34	500 kcmil	—	W34VT (4)	—	U34RT (4)	2.20	4.63

① Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.
 ② Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.
 ③ Use "X" with OUR840, "W" with MD6/MD7.

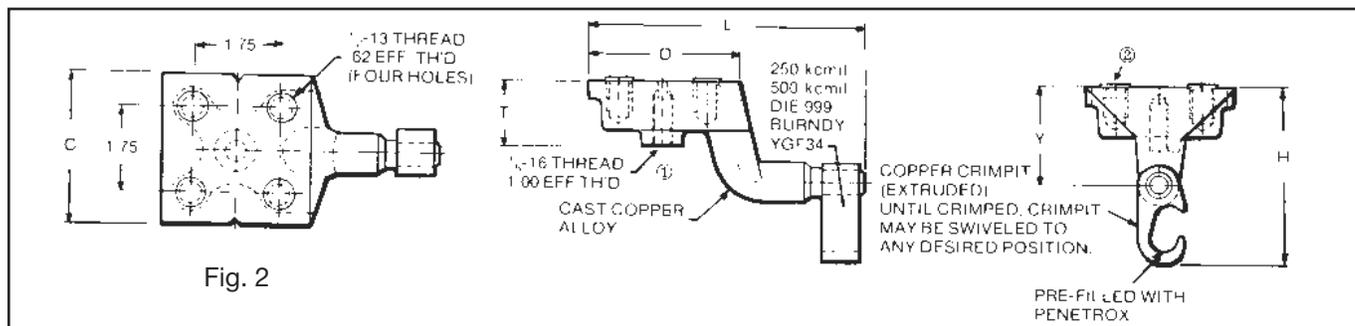
TYPE YGF

GROUNDING PLATE

The irreversible compression ground plate is designed to withstand the rigors of concrete construction. The ground plates are made of high strength, high-conductivity cast copper alloy body with a pure wrought copper compression element. In addition to the tapped NEMA size holes and spacing on the face, the plate comes with a tapped hole on the underside for ease of positioning prior to pouring the concrete. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837



Catalog Number	Fig. No.	C	D	H	L	T	Y
YGF29-2N	1	2.00	3.25	3.62	5.78	1.31	2.00
YGF29-4N	2	3.25	3.25	3.62	5.78	1.31	2.00
YGF34-2N	1	2.00	3.25	4.62	5.40	1.31	2.19
YGF34-4N	2	3.75	3.75	4.62	5.90	1.31	2.19

NOTES:

① This tapped hole may be used to position the grounding plate on a threaded rod prior to placement of the concrete.

① 3/8-16 thread with 1.00 EFF. Thread is standard. If other thread is required, add appropriate Code No. to Catalog No. for desired thread.
 -50 (1/2 -13, .94 EFF. Thread), -62 (5/8 -11, .94 EFF. Thread) and -75 (3/4 -10, .81 EFF. Thread)
 Example: YGF34-4N-50 is YGF34-4N with 1/2 -13 Thread

② Plastic plugs are provided to keep dirt out of the threaded holes until the attachment of grounding terminals.

Catalog Number	Copper Conductor Range	Tapped Holes		Installation Tools, Die Set Cat. No., and (number of crimps)		
		Size	Hole Centers	HYPRESS™		
				PAT750/Y750/Y35/Y39	Y45 ①	Y46 ②
YGF29-2N	2 - 250 kcmil	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF29-4N	2 - 250 kcmil	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF34-2N*	250 - 500 kcmil	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)
YGF34-4N*	250 - 500 kcmil	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)

ORDERING INFORMATION

① Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.

② Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.

* These connectors can only be installed using the Y750, Y45 or Y46 HYPRESS™ with recommended dies. These connectors CAN NOT be installed with the Y35 or Y39 HYPRESS™.

I-Beam Connector Installation Instructions



STEP 1

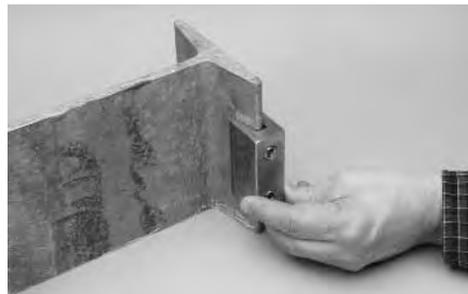
Sand or grind I-beam to bare metal on both sides. Galvanized beams should be cleaned with a solvent without disturbing the plating/galvanizing.



STEP 2

Select the appropriate PRECRIMP die kit for the beam.* Install the die set into the crimping tool. Precrimp the I-beam bare metal area. Crimp the length of the connector, slightly overlapping each crimp.

* For wide, parallel flanges and beams, the PIBEW P1 kit should be used. For standard angled flanges, the PIBES P1 should be used.



STEP 3

Select the connector and install directly over the precrimped area of the beam. Position the connector on the beam so the flange is fully inserted into the connector. Minimize sideways motion of the connector to prevent the loss of PENETROX™ between the connector and the beam.



STEP 4

Remove the PRECRIMP dies from the tool, leaving the embossing dies in place. Begin crimping at the center of the connector. Overlap the crimps by moving to either side of the center and crimp the full length of the connector. Inspect the assembled connector for die embossment (#1105) for quality assurance.



STEP 5

Remove the dummy stud from the connector. Replace with the screw set supplied in the TMHG grounding hardware kit. Screw the stud into the connector until the stud is finger tight.



STEP 6

Apply PENETROX™ to the surface of the YGIB. Install a YGA or YGHA terminal onto the ground conductor and slide the terminal over the studs. Place flat washers, lock washers, and nuts on the studs. Using a torque wrench, tighten the nuts to the recommended torque.

TYPE YGIB

GROUNDLINK™ CONNECTOR

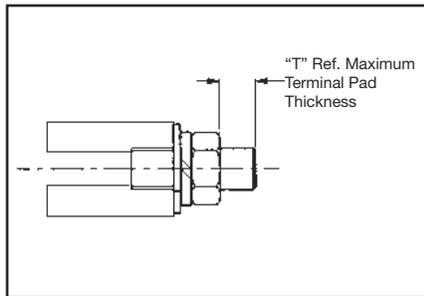
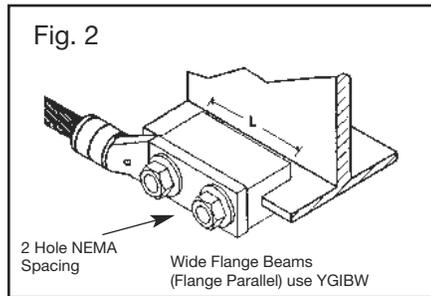
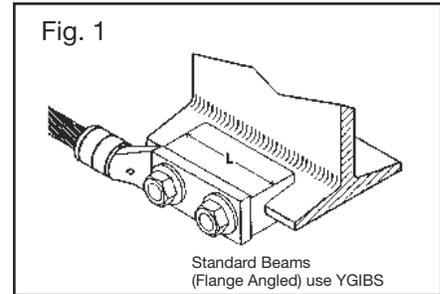
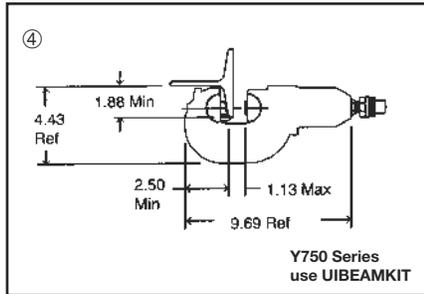
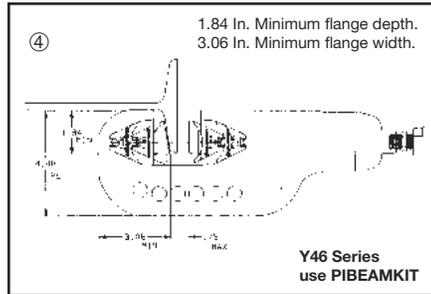
An irreversible compression ground connection which allows attachment to a structural steel standard (angled) or wide flange (parallel) beam. Installed with a required 5-piece die set, Catalog PIBEAMKIT or UIBEAMKIT. Die index 1105. GROUNDLINK™ connectors are made of high-conductivity wrought copper and come pre-filled with PENETROX™ E compound and strip sealed. Order terminal mounting hardware separately.



IEEE-837



Connector shipped with thread protection studs only. Order TMHG kits separately.



TERMINAL MOUNTING HARDWARE

Catalog Number	"T"
TMHG-42	.42
TMHG-92	.92

NOTE: Use TMHG-92 to double stack lugs.

NOTES:

- Terminal connector to be ordered separately. When I-beam connector is used with type "YGHA" terminal, the connection meets IEEE 837-1989 requirements. YGA-2N, YA-2N and other BURNDY® 2-hole NEMA copper terminals are suitable.
- Order "TMHG" Terminal Mounting Hardware Kit separately. Kit consists of 2 studs, 2 flat washers, 2 lockwashers and 2 hex nuts.
- Using the 1/4 hex key wrench, screw the stud into the connector until stud bottoms out in connector. Install a "YGHA" terminal, flat washer, lockwasher and hex nut onto stud. Tighten and torque to 480 pound-inches.
- Dimensions shown reflect the minimum dimensions required on a beam to properly install the I-beam connector.
- To correctly determine the appropriate YGIB connector to use based on flange thickness, order either YGIBGAUGE1 or YGIBKIT1 (KIT1 contains wiremike).

TYPE YGIB

(Continued)

GROUNDLINK™ CONNECTOR

Copper Conductor Range	Catalog Number	Fig. No.	"L"	"J"	i-Beam Flange Thickness	Suggested Terminals		"T" Ref.	
						Copper Conductor	Terminal		
2 - 4/0 AWG	YGIBS28-338-2N	1	3.00	1/2 - 13	.250" to .338"	#2 Str. AWG	YGHA2C-2N	.26	
	YGIBW28-338-2N	2	3.00			1/0 Str. AWG	YGHA25-2N	.19	
250 - 500 kcmil	YGIBS34-338-2N	1	6.00			2/0 Str. AWG	YGHA26-2N	.26	
	YGIBW34-338-2N	2				4/0 Str. AWG	YGHA28-2N	.30	
2 - 4/0 AWG	YGIBS28-400-2N	1	3.00			.338" to .400"	250 kcmil	YGHA29-2N	.34
	YGIBW28-400-2N	2	3.00				500 kcmil	YGHA34-2N	.40
250 - 500 kcmil	YGIBS34-400-2N	1	6.00		#2 Str. AWG		YGHA2C-2N	.26	
	YGIBW34-400-2N	2			1/0 Str. AWG		YGHA25-2N	.19	
2 - 4/0 AWG	YGIBS28-462-2N	1	3.00		.400" to .462"		2/0 Str. AWG	YGHA26-2N	.26
	YGIBW28-462-2N	2	3.00				4/0 Str. AWG	YGHA28-2N	.30
250 - 500 kcmil	YGIBS34-462-2N	1	6.00			250 kcmil	YGHA29-2N	.34	
	YGIBW34-462-2N	2				500 kcmil	YGHA34-2N	.40	
2 - 4/0 AWG	YGIBS28-550-2N	1	3.00			4.62" to .550"	#2 Str. AWG	YGHA2C-2N	.26
	YGIBW28-550-2N	2	3.00				1/0 Str. AWG	YGHA25-2N	.19
250 - 500 kcmil	YGIBS34-550-2N	1	6.00		2/0 Str. AWG		YGHA26-2N	.26	
	YGIBW34-550-2N	2			4/0 Str. AWG		YGHA28-2N	.30	
2 - 4/0 AWG	YGIBS28-613-2N	1	3.00		.550" to .613"		250 kcmil	YGHA29-2N	.34
	YGIBW28-613-2N	2	3.00				500 kcmil	YGHA34-2N	.40
250 - 500 kcmil	YGIBS34-613-2N	2	6.00	#2 Str. AWG		YGHA2C-2N	.26		
	YGIBW34-613-2N	2	6.00	1/0 Str. AWG		YGHA25-2N	.19		
2 - 4/0 AWG	YGIBS28-675-2N	1	3.00	.613" to .675"		2/0 Str. AWG	YGHA26-2N	.26	
	YGIBW28-675-2N	2	3.00			4/0 Str. AWG	YGHA28-2N	.30	
250 - 500 kcmil	YGIBS34-675-2N	1	6.00		250 kcmil	YGHA29-2N	.34		
	YGIBW34-675-2N	2			500 kcmil	YGHA34-2N	.40		

TYPE GSTUD-HY

VERSITAIL™

Structural Steel Grounding Connector

INSTALLATION

1. Weld the VERSITAIL™ to the steel member.
2. Select the proper connector for your specific application.
 - a. FOR COMPRESSION CONNECTORS
Select the proper BURNDY® “YGHP,” connector. Clean the conductor, join the VERSITAIL™ and the grounding conductor together with the recommended tool and die set, then crimp the connector over the knurled area of the VERSITAIL™.
 - b. FOR MECHANICAL CONNECTORS
Select the properly sized BURNDY® connector. Clean the conductor, then apply PENETROX™ E oxide inhibiting compound on the contact area for increased effectiveness and service life. Put the connector over the knurled area of the VERSITAIL™ and apply the recommended torque value for correct installation.



FEATURES

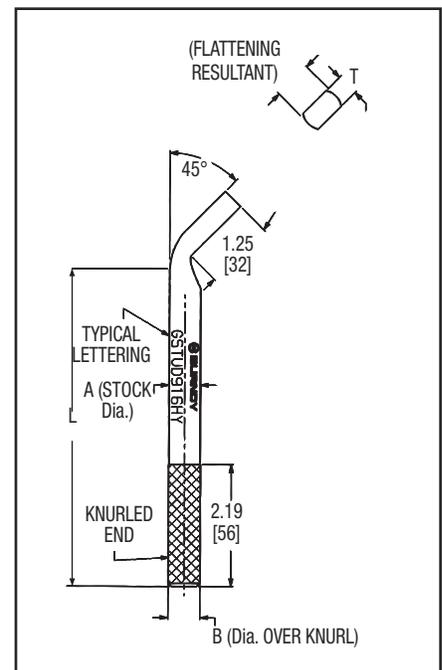
- The VERSITAIL™ may be welded to steel surfaces quickly and easily with normal construction equipment.
- The VERSITAIL™ eliminates costly disk grinding and the need to expose virgin metal. The welding process burns through the oxidation and “scale” to establish excellent electrical grounding continuity.
- The VERSITAIL™ may be installed by the welder in the field or at the steel fabricator based on customer preference.
- The VERSITAIL™ pure copper coating over low carbon, hot rolled steel is compatible with standard welding processes. No toxic gases are generated.
- The VERSITAIL™ knurled surface is copper plated and specifically designed to ensure excellent mechanical gripping and electrical integrity for BURNDY® compression and mechanical connectors in all grounding applications.
- The VERSITAIL™ may be installed during adverse weather conditions thus eliminating costly construction delays.

BENEFITS

- Low installation cost.
- No drilling . . . No cleaning . . .
- No special preparation

SPECIFICATIONS

- Low Carbon, hot rolled steel.
- Pure copper plated finish.



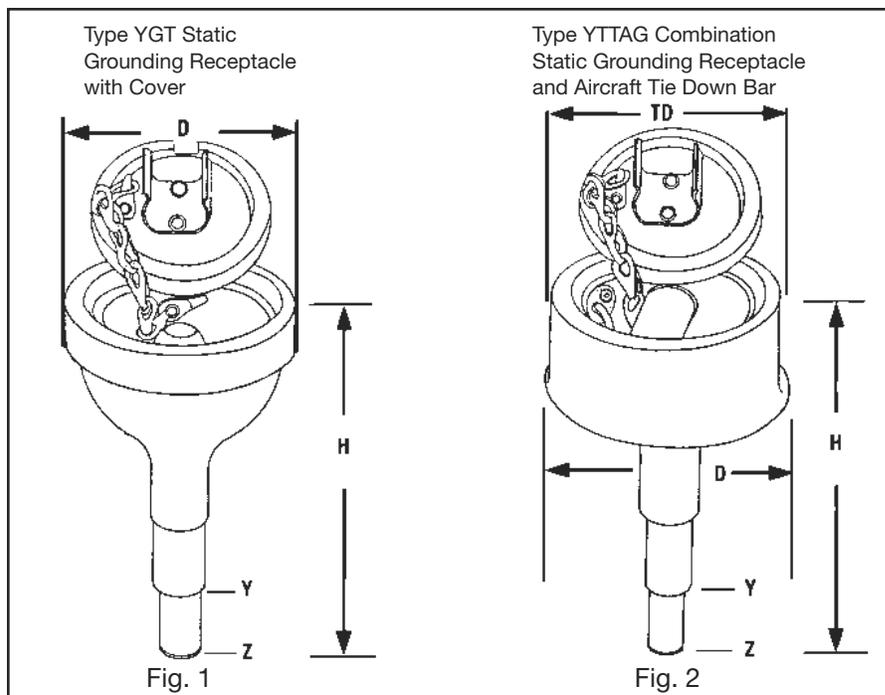
Catalog Number	Nom. Rod Size	Dimensions				Electrical Equivalent Copper Conductor Size (AWG)*
		A	B	L	T	
		In. [mm]	In. [mm]	In. [mm]	In. [mm]	
GSTUD14HY	1/4"	.25 [6.3]	.26 [6.6]	4.81 [122.2]	.19 [4.8]	#6
GSTUD38HY	3/8"	.38 [9.7]	.39 [9.9]	5.81 [147.6]	.25 [6.4]	#3
GSTUD916HY	5/8"	.56 [14.2]	.57 [14.5]	5.68 [144.3]	.38 [9.7]	1/0
GSTUD34HY	3/4"	.75 [19.0]	.76 [19.3]	5.81 [147.6]	.51 [13.0]	4/0

* This is the equivalent rating for continuous service. Larger conductors may be connected using both compression and bolted connectors in potential ground fault applications.

TYPES YGT & YTTAG

STATIC GROUNDING RECEPTACLE

Type YGT static grounding receptacles are designed for static grounding of equipment. The receptacle is connected to the ground grid with HYGROUND® compression connectors and finished flush with surface to provide a permanent corrosion proof grounding point.



Catalog Number	Figure Number	* HYGROUND® Connector	Dimensions				
			H	D	Y Dia.	Z Dia.	TD
YGT275	1	Select suitable YGHR or YGLR for 3/4" ground rod and sized to ground conductor.	5.5	2.75	.75	.56	—
YTTAG388	2		6.5	4.75	.75	.56	4.3

* When using U or PU dies with Y46 HYPRESS™, a PUADP-1 adapter is required.

NOTES:

1. Ground rod must be pre-crimped with U2CABT die set when PU998 die is used or for even higher mechanical resistance use special UPRECRIMP dies on ground rods.
2. Pre-crimping of ground is not necessary when P1011 die is used. Install YGHR or YGLR on hub Y. Hub Z is inserted into 1/2" rigid conduit. The conduit is driven into earth to provide support and provide correct level of receptacle prior to cement pour.

TYPE YG-B

BUS BAR CONNECTOR

BURNDY's YG14B2TC2C6C Compression Bus Bar Connector is ideally suited for cellular tower applicatons and is easier to use than exothermic connections. This high conductivity wrought copper connector allows attachment of the ground conductor to the ground bus with just one crimp using the BURNDY® Y750 HYPRESS™ Hydraulic Compression tool and the U1105 die set. This exclusive patent pending design allows the user to attach #2 AWG sol./str. and/or #6 sol./str. copper conductor to 1/4" thick copper bus bar. This connection is suitable using (1) or (2) conductors for power, grounding and bonding applications. UL Listed to both UL486 and UL467 (suitable for direct burial) ensures that this connector will meet the rigors of either application. Prefilled with PENETROX™ E compound and strip sealed.

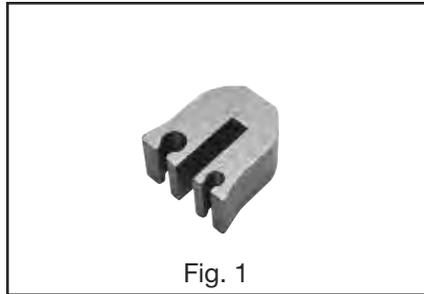


Fig. 1

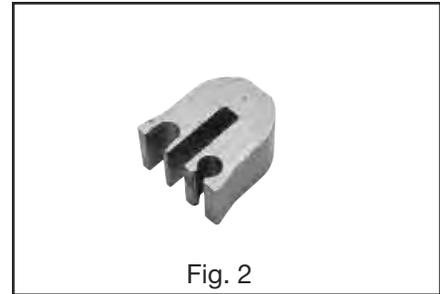


Fig. 2

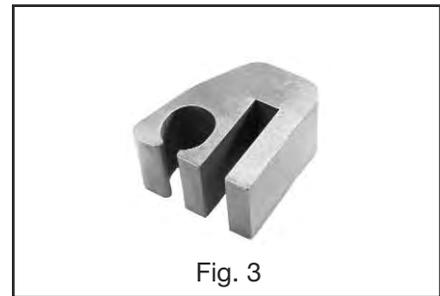
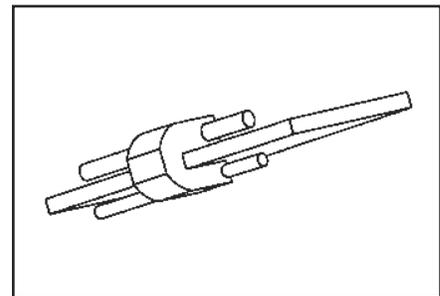
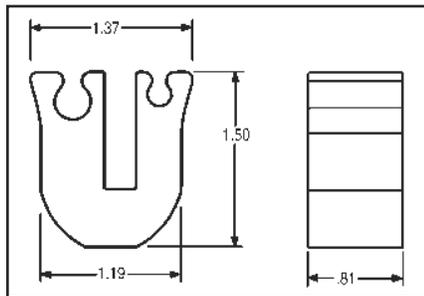


Fig. 3



Catalog Number	Fig No.	Ground Bar Thickness	Bus Bar Tap Conductors	Tooling	Installation Die No.	No. of Crimps
YG14B2TC2C6C	1	1/4"	#2 Sol./and/or Str. Copper #6 Sol./and/or Str. Copper	PAT750, Y750	U1105	1
YG14B2TC2C2C*	2	1/4"	#2 #2	PAT750, Y750	U1105	1
YG14BTC28	3	1/4"	4/0 AWG Str. to 1/0 AWG Str. Copper	PAT750, Y750	U1105	1

NOTE: Suitable for use with either (1) or (2) conductors (excluding YG14BTC26 and YG14BTC28).

* For continuous uncut conductor applications.

MECHANICAL GROUNDING CONNECTORS

More than 60 years of technological innovation has made BURNDY® mechanical grounding connectors one of the most widely used, highly respected lines in the industry. There is virtually no grounding application problem that this diversified line cannot help solve.

All BURNDY® mechanical grounding connectors have been designed for easy installation and for outstanding durability. Only the finest high copper alloys are used in their manufacture, ensuring top performance under the most extreme environmental conditions.

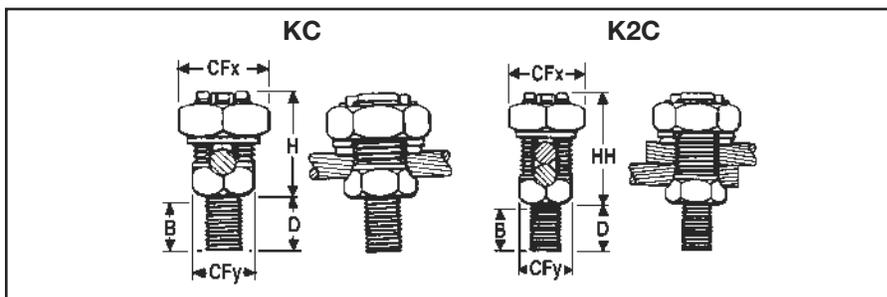
UL467 Listed for direct burial applications in earth or concrete.

TYPES KC, K2C

SERVIT POST™

For Copper Cable to Flat

SERVIT POST™ used to ground one or two cables to steel structures, fence posts, transformers. Also used to tap one or two cables from bus bar. One-wrench installation.



Catalog Number		Conductor		Stud Diameter	B	CFx	CFy	D	H	HH
Type KC †	Type K2C ‡	Stranded	Solid							
KC15	K2C15	12 - 9	12 - 8	1/4 - 20	3/8	1/2	3/8	1/2	5/8	7/8
KC15B1	K2C15B1				7/8			1		
KC17	K2C17	10 - 7	10 - 6	1/4 - 20	3/8	5/8	7/16	1/2	7/8	1
KC17B1	K2C17B1				7/8			1		
KC20	K2C20	10 - 5	10 - 4	5/16 - 18	13/32	11/16	1/2	5/8	7/8	1-1/8
KC20B1	K2C20B1				27/32			1		
KC22	K2C22	10 - 3	10 - 2	3/8 - 16	15/32	3/4	5/8	5/8	1	1-1/4
KC22B1	K2C22B1				31/32			1-1/8		
KC23	K2C23	8 - 2	10 - 1	3/8 - 16	15/32	13/16	5/8	5/8	1	1-3/8
KC23B1	K2C23B1				31/32			1-1/8		
KC25	K2C25	2 - 1/0	2 - 2/0	1/2 - 13	9/16	15/16	3/4	3/4	1-1/8	1-5/8
KC25B1	K2C25B1				1-1/16			1-1/4		
KC26	K2C26	2 - 2/0	2 - 3/0	1/2 - 13	17/32	1	7/8	3/4	1-3/8	1-7/8
KC26B1	K2C26B1				1-1/16			1-1/4		
KC28	K2C28	1 - 4/0	1 - 4/0	5/8 - 11	3/4	1-1/2	1-3/16	1	1-3/4	2-1/4
KC28B1	K2C28B1				1-1/4			1-1/2		
KC31	K2C31	1 - 350	—	5/8 - 11	3/4	1-11/16	1-3/8	1	2-1/4	2-7/8
KC31B1	K2C31B1				1-1/4			1-1/2		
KC34	K2C34	3/0 - 500	—	3/4 - 10	1	2	1-5/8	1-1/4	2-3/8	3-1/4
KC34B1	K2C34B1				1-1/2			1-3/4		

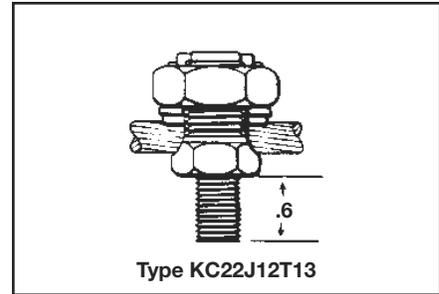
† For 1 conductor.
‡ For 1 or 2 conductors.
Add "NSP" suffix to have connector supplied w/split lockwasher and nut.

TYPES KC22J12T13, EQC632C

TRANSFORMER GROUND CONNECTORS

For Copper

Fits all standard EEI NEMA distribution transformers as a tank grounding terminal.



Catalog Number	Ranges
KC22J12T13	8 Sol. - 2 Sol.
KC26	2 Sol. - 2/0 Str.
KC34J12T13	3/0 - 500 Str.
EQC632C	8 Sol. - 2 Str.

Both, one-wrench installation.

TYPE KS

SERVIT®

For Copper

UL467 Listed for direct burial applications in earth or concrete. Compact, high-strength, high copper alloy SERVIT® split-bolt has free-running threads and easy to grip wrench flats. Highly resistant to cracking and corrosion.

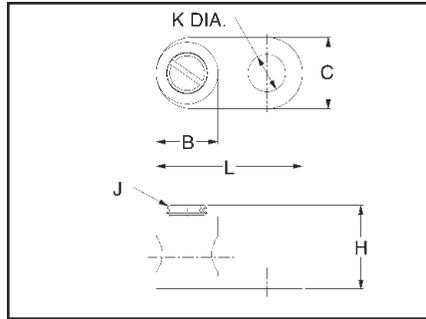


Catalog Number	Cross Flats	L	W	Copper Conductor Range (Sol. - Str.)	Rebar w/ (1) No. 8 Sol. Cu	Recommended Torque (In. Lb.)
KS15	.50	.85	.38	12 AWG - 8 AWG	N/A	80
KS17	.63	1.14	.45	8 AWG - 6 AWG	N/A	165
KS20	.69	1.20	.51	8 AWG - 4 AWG	N/A	165
KS22	.75	1.50	.60	6 AWG - 3 AWG	N/A	275
KS23	.82	1.54	.62	6 AWG - 2 AWG	N/A	275
KS25	.94	1.77	.73	4 AWG - 1/0	N/A	385
KS26	1.05	1.94	.82	2 AWG - 2/0 6 AWG - 8 AWG Str./Sol.	#3 (3/8")	385
KS27	1.36	1.86	1.17	1 AWG - 3/0	N/A	500
KS29	1.36	2.07	1.17	1 AWG - 250 kcmil 6 AWG - 8 AWG Str./Sol.	#4 (1/2")	650
KS31	1.70	2.51	1.41	1/0 AWG - 350 kcmil 6 AWG - 8 AWG Str./Sol.	#5 (5/8")	650
KS34	1.82	2.79	1.48	2/0 AWG - 500 kcmil 6 AWG - 8 AWG Str./Sol.	#6 (3/4")	825

TYPE GKA

For Copper

UL467 Listed for direct burial applications in earth or concrete. One-piece forged body construction insures mechanical integrity in an underground environment. Supplied with a stainless steel headless screw.



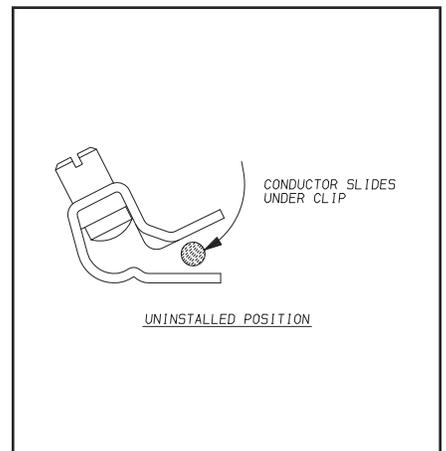
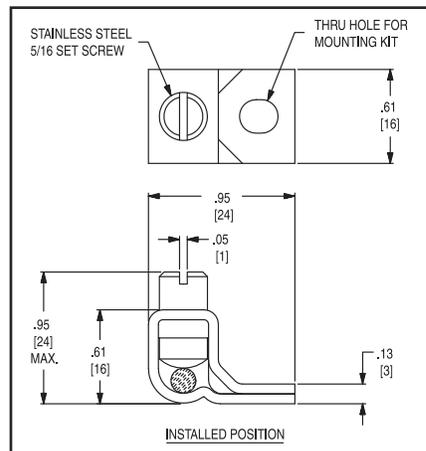
Catalog Number	Cable Range	B	C	H	J	K	L
GKA8C ¹	#10 Sol. - #8 Str.	.31	.38	.58	#10 - 32	.21	.81
GKA4C ²	#14 Sol. - #4 Str.	.46	.54	.71	5/16 - 24	.28	1.13

1. To be assembled with TMH322 stainless steel hardware kit. Ordered separately.
2. To be assembled with TMH 323 stainless steel hardware kit. Ordered separately.

TYPE KPB

For Copper

UL467 Listed for direct burial in earth or concrete. UL486 listed. This exclusive BURNDY® design accommodates #10 - #4 copper where continuous conductor runs are preferable.



Catalog Number	Range	Stud Hole
KPB4CG1	#10 - #4 CU	#10 ¹

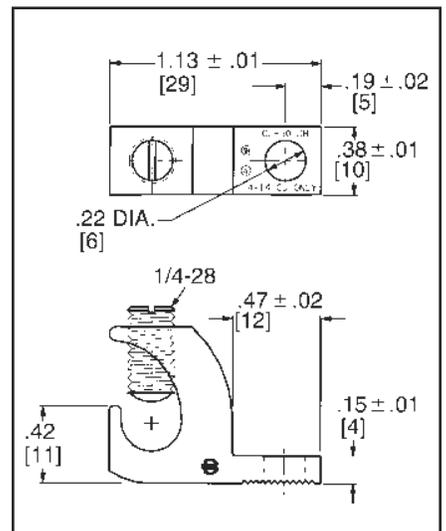
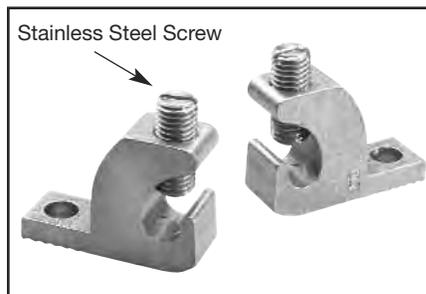
1. To be assembled with TMH322SS stainless steel hardware kit. Ordered separately.

TYPE CL50-1

COPPER LAY-IN QIKLUG™

For Copper

The Lay-In QIKLUG™ is manufactured from high strength pure electrolytic copper to ensure maximum strength and conductivity. UL467 Listed for direct burial in earth or concrete. The open-faced design allows for fast lay-in of the conductor without the need for cutting or breaking.



Catalog Number	Wire Range Copper	Stud Hole
CL50-1	#14 - #4 CU	#10
CL50-1TN*	#14 - #4 CU	#10

*-TN Version is tin plated. Commonly used for solar panel grounding.



TYPE GAR

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe

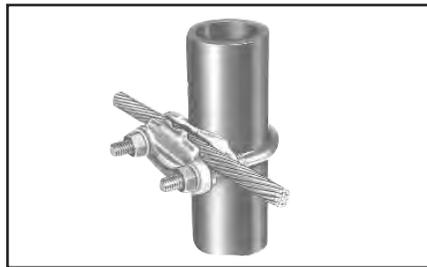
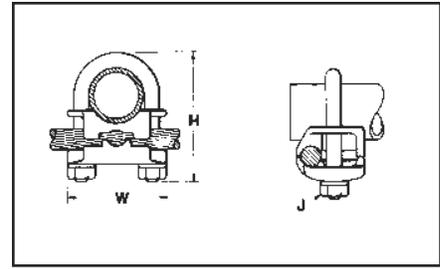
For Parallel or 90° Copper Cable Connection to Rod or Pipe with the Same Connector

High copper alloy ground connector for joining a range of cable, parallel or at right angles to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIMUM™ U-bolts, nuts and lockwashers, permit entire connection to be buried in ground or concrete without danger of corrosion.

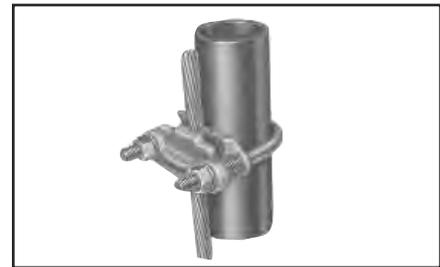
- One-wrench installation.
- UL467 Listed.
- Acceptable for direct burial.



Wire to Rebar



Wire at Right Angle to Pipe



Wire Parallel to Pipe



Catalog Number	Conductor			H	J	W
	Tube I.P.S.	Rod Size or O.D. Range	Rebar Size			
GAR114C	1/4	1/2	—	8 Sol. - 4 Str.	2-1/2	1-7/8
GAR1126				4 Sol. - 2/0 Str.		
GAR1129				2/0 Sol. - 250		
GAR644C	3/8	5/8 - 3/4	#5 (5/8") - #6 (3/4")	8 Sol. - 4 Str.	3/8	2-1/8
GAR6426				4 Sol. - 2/0 Str.		
GAR6429				2/0 Sol. - 250		
GAR6434				300 - 500		
GAR144C	1/2 - 3/4	7/8 - 1	#7 (7/8") - #8 (1")	8 Sol. - 4 Str.	3/8	2-3/8
GAR1426				4 Sol. - 2/0 Str.		
GAR1429				2/0 Sol. - 250		
GAR1434				300 - 500		
GAR154C	1	1-1/8 - 1-1/4	#9 (1-1/8") - #10 (1-1/4")	8 Sol. - 4 Str.	3/8	2-5/8
GAR1526				4 Sol. - 2/0 Str.		
GAR1529				2/0 Sol. - 250		
GAR1534				300 - 500		
GAR164C	1-1/4	1-3/8 - 1-1/2	#11 (1-3/8")	8 Sol. - 4 Str.	3/8	3
GAR1626				4 Sol. - 2/0 Str.		
GAR1629				2/0 Sol. - 250		
GAR1634				300 - 500		
GAR174C	1-1/2	1-5/8 - 1-7/8	—	8 Sol. - 4 Str.	3/8	3-1/4
GAR1726				4 Sol. - 2/0 Str.		
GAR1729				2/0 Sol. - 250		
GAR1734				300 - 500		
GAR184C	2	2 - 2-3/8	—	8 Sol. - 4 Str.	3/8	3-3/4
GAR1826				4 Sol. - 2/0 Str.		
GAR1829				2/0 Sol. - 250		
GAR1834				300 - 500		
GAR194C	2-1/2	2-1/2 - 2-7/8	—	8 Sol. - 4 Str.	3/8	4-1/4
GAR1926				4 Sol. - 2/0 Str.		
GAR1929				2/0 Sol. - 250		
GAR1934				300 - 500		

TYPE GAR

(Continued)

**FENCE POST GROUNDING
CONNECTOR**

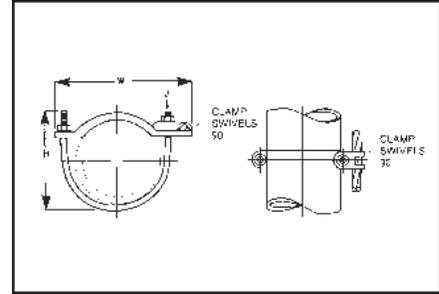
Catalog Number	Conductor			H	J	W
	Tube I.P.S.	Rod Size or O.D. Range	Cable			
GAR204C	3	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-3/4
GAR2026			4 Sol. - 2/0 Str.			
GAR2029			2/0 Sol. - 250			
GAR2034			300 - 500	6-3/8	1/2	5-1/4
GAR214C	3-1/2	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8
GAR2126			4 Sol. - 2/0 Str.			
GAR2129			2/0 Sol. - 250			
GAR2134			300 - 500	6-3/4	1/2	5-3/4
GAR224C	4	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8
GAR2226			4 Sol. - 2/0 Str.			
GAR2229			2/0 Sol. - 250			
GAR2234			300 - 500	6-7/8	1/2	6-1/4
GAR244C	5	—	8 Sol. - 4 Str.	7-3/4	3/8	6-7/8
GAR2426			4 Sol. - 2/0 Str.			
GAR2429			2/0 Sol. - 250	8-5/8	1/2	7-1/4
GAR2434			300 - 500			
GAR8629	6	—	2/0 Sol. - 250	8-13/16	1/2	8-3/8

Contact BURNDY® for additional pipe and wire size combinations not shown.

TYPES GAR-BU AND GAR3902 SERIES

GROUND CONNECTORS

Type GAR-BU is a high-conductivity copper ground connector for connecting a small to medium range copper ground conductor to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as cathodic protection. Cable clamp swivels to permit parallel grounding of one pipe or 90° degree cable run for grounding several parallel pipes. Single wrench installation. UL467 Listed and CSA certified.



Features and Benefits

- Cable clamp swivels at 90°.
 - ◇ Permits parallel grounding of one pipe or a 90° cable run for grounding several parallel pipes.
- One-wrench installation.
 - ◇ Simplified installation.
- DURIMUM™ silicon bronze hardware (-BU Series)*.
 - ◇ Long lasting corrosion resistance and acceptable for direct burial in earth or concrete.
- UL467 Listed.
 - ◇ Provides quality assurance to recognized industry NEC standards from an independent party.



Catalog Number *	Cable Range	IPS Size	O.D. Range	H	J	W	Recommended Tightening Torque
GAR3902-BU	#4 - 4/0 AWG	1/2" - 1"	.840 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
GAR3903-BU		1-1/4" - 2"	1.66 - 2.38	4.00		4.25	
GAR3904-BU		2-1/2" - 3-1/2"	2.88 - 4.00	6.50		6.00	
GAR3905-BU		4" - 5"	4.50 - 5.56	7.50		7.50	
GAR3906-BU		6"	6.62	8.50		8.62	
GAR3907-BU		8"	8.62	10.00		10.62	
GAR3908-BU		10"	10.75	12.00		12.75	
GAR3909-BU		12"	12.75	14.00		14.75	
GAR3902		#4 - 4/0 AWG	1/2" - 1"	.840 - 1.32		3.50	
GAR3903	1-1/4" - 2"		1.66 - 2.38	4.00	4.25		
GAR3904	2-1/2" - 3-1/2"		2.88 - 4.00	6.50	6.00		
GAR3905	4" - 5"		4.50 - 5.56	7.50	7.50		
GAR3906	6"		6.62	8.50	8.62		
GAR3907	8"		8.62	10.00	10.62		
GAR3908	10"		10.75	12.00	12.75		
GAR3909	12"		12.75	14.00	14.75		

* Type GAR-BU is supplied with DURIMUM™ silicon bronze hardware and is listed for direct burial.

TYPE GAR-RB

For Reinforcement Bar



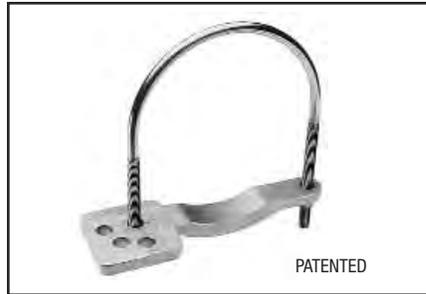
Catalog Number	Rebar	IPS Size	O.D. Range	Rod	Copper Conductor	
					Min.	Max.
GAR644C-RB	#3 - 6 (.375 - .750)	3/8	.625 - .75	5/8 - 3/4	8 Sol.	4 Str.

UL467 listed for direct burial in earth or concrete.

TYPE GAR-TC

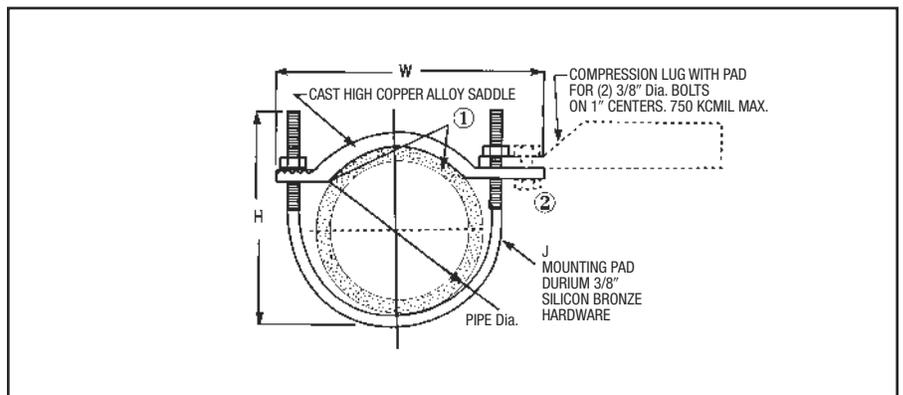
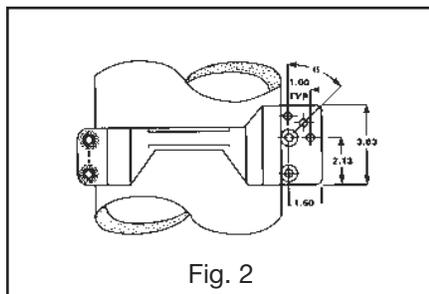
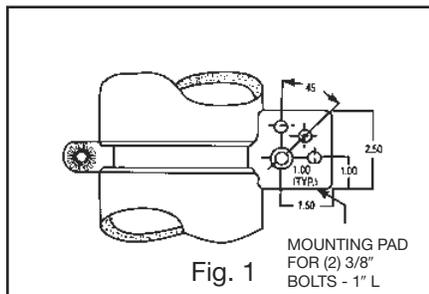
WATER PIPE GROUND CONNECTOR

Type GAR-TC is a high-conductivity copper ground connector that features a pre-drilled pad, allowing a 2-hole compression terminal to be directly connected to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as telecommunications grounding. Terminal may be mounted parallel, 45° or 90° degrees to the pipe. Acceptable for direct burial.



Features and Benefits

- Large, smooth connector contact area between pipe and ground clamp
 - ◊ Provides large surface contact area to maximize contact area between connector and pipe.
- The GAR-TC mounting pad permits parallel, 45° or 90° angle connections to the pipe.
 - ◊ Provides maximum flexibility for field installation.
- Pre-drilled pad for (2) 3/8" bolts on 1" centers.
 - ◊ Allows direct mounting of (2) hole compression terminals up to 750 kcmil to pipe.
- DURIMUM™ silicon bronze hardware.
 - ◊ Provide long lasting corrosion resistance acceptable for direct burial in earth or concrete.
- One-wrench installation.
 - ◊ Simplified installation.
- UL467 Listed.
 - ◊ Provides quality assurance to recognized industry NEC standards from an independent party. Type GAR-TC is acceptable for direct burial



Catalog Number	Fig. No.	Accommodates		H	J	W	Recommended Tightening Torque
		I.P.S.	O.D. Size				
GAR3902TC	1	1/2" - 1"	.840 - 1.32	3.50	3/8" - 16	3.75	240 in.-lbs.
GAR3903TC	1	1-1/4" - 2"	1.66 - 2.38	4.00		4.75	
GAR3904TC	1	2-1/2" - 3-1/2"	2.88 - 4.00	6.50		6.50	
GAR3905TC	1	4" - 5"	4.50 - 5.56	7.50		8.00	
GAR3906TC	1	6"	6.62	8.50		9.12	
GAR3907TC	2	8"	8.62	10.00	3/8" - 16	11.25	240 in.-lbs.
GAR3908TC	2	10"	10.75	12.00		13.25	
GAR3909TC	2	12"	12.75	14.00		15.25	

① Add suffix "-TNET" for electro-tin plated connector and electro-tin plated DURIMUM™ silicon bronze hardware. Tin plated catalog number includes mounting hardware for second bolt hole.
 ② TMH-289 includes (1) 38 x 125 HEB, (1) 38 CHEN, (1) 38 SW and (2) 38 FW. Order separately.

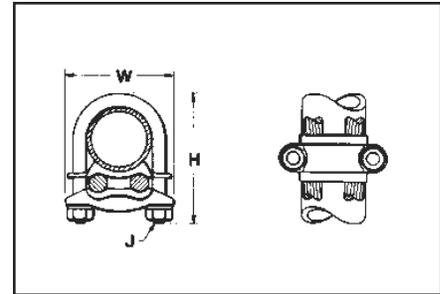
NOTE: Clean pipe surface beneath saddle until virgin metal is exposed, install GAR-TC ground connector and for maximum conductivity, apply PENETROX® E oxide inhibiting compound around perimeter of the saddle.

TYPE GD

CABLE TO ROD/TUBE GROUND CONNECTOR

For Two Copper Cables
to Rod or Tube

High copper alloy ground connector for joining a range of two parallel cables to rod or pipe. Especially good for grounding fence posts. High copper alloy cast body with DURIMUM™ U-bolts, nuts, and lockwashers make the GD suitable for burial in ground or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Catalog Number	Conductor			H	J	W	
	Tube I.P.S.	Rod Size or O.D. Range	Cable				
GD1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	2-5/8	
GD1529			2/0 Sol. - 250				
GD1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2		3/8	3
GD1629			2/0 Sol. - 250				
GD174C	1-1/2	1-5/8 - 1-7/8	8 Sol. - 4 Str.	4		1/2	3-1/4
GD1726			4 Sol. - 2/0 Str.				
GD1729			2/0 Sol. - 250				
GD1734			300 - 500				
GD184C	2	2 - 2-3/8	8 Sol. - 4 Str.	4-3/8	3/8	3-3/4	
GD1826			4 Sol. - 2/0 Str.				
GD1829			2/0 Sol. - 250				
GD1834			300 - 500				
GD194C	2-1/2	2-1/2 - 2-7/8	8 Sol. - 4 Str.	5	3/8	4-1/4	
GD1926			4 Sol. - 2/0 Str.				
GD1929			2/0 Sol. - 250				
GD1934			300 - 500				
GD204C	3	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-7/8	
GD2026			4 Sol. - 2/0 Str.				
GD2029			2/0 Sol. - 250				
GD2034			300 - 500				
GD214C	3-1/2	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8	
GD2126			4 Sol. - 2/0 Str.				
GD2129			2/0 Sol. - 250				
GD2134			300 - 500				
GD224C	4	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8	
GD2226			4 Sol. - 2/0 Str.				
GD2229			2/0 Sol. - 250				
GD2234			300 - 500				
				6-7/8	1/2	6-1/4	

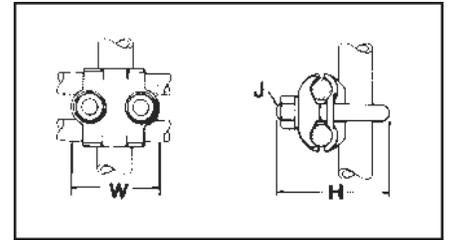
Complies with NFPA 78-86 HEAVY DUTY stacks.
(Order: LD for lead plating for HEAVY DUTY stack applications.)

TYPE GP

GROUND CONNECTOR

For Two Copper Cables to Rod or Pipe

High copper alloy ground connector for joining a range of parallel cables perpendicular to rod, pipe or column. Also used with one groove for run, the other for tap to equipment. High copper alloy cast body and DURIMUM™ U-bolts, nuts, and lockwashers make the GP suitable for direct burial in the ground or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



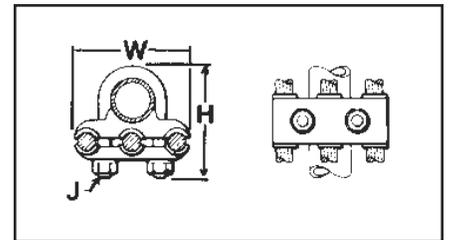
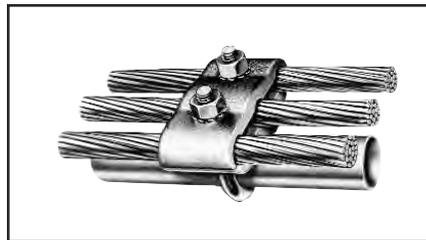
Catalog Number	Conductor			H	J	W
	Tube I.P.S.	Rod Size or O.D. Range	Cable			
GP114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
GP1126			4 Sol. - 2/0 Str.			
GP1129			2/0 Sol. - 250			
GP644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-7/8	1/2	2-1/8
GP6426			4 Sol. - 2/0 Str.			
GP6429			2/0 Sol. - 250			
GP6434			300 - 500	3-1/2		2-1/2
GP144C	1/2 - 3/4	7/8 - 1	8 Sol. - 4 Str.	2-3/4	38	2-3/8
GP1426			4 Sol. - 2/0 Str.			
GP1429			3/0 Sol. - 250			
GP1434			300 - 500	3-3/4	1/2	2-3/4
GP164C	1-1/4	1-5/8	8 Sol. - 4 Str.	3-1/2	3/8	3
GP1629			2/0 Sol. - 250			
GP1726	1-1/2	1-7/8	4 Sol. - 2/0 Str.	4		3-1/4
GP184C	2	2-3/8	8 Sol. - 4 Str.	4-1/8	3/8	3-11/16
GP1826			4 Sol. - 2/0 Str.	4-3/8		
GP2026	3	3-1/2	4 Sol. - 2/0 Str.	5-1/2		4-13/16
GP2226	4	4-1/2	4 Sol. - 2/0 Str.	6-3/8		5-13/16

TYPE GK

GROUND CONNECTOR

For Three Copper Cables to Rod or Pipe

High copper alloy ground connector for joining three equal cables to rod or tube. Cable grooves take a wide range of cable. High copper alloy cast body and DURIMUM™ U-bolts, nuts, and lockwashers make the GK suitable for direct burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Catalog Number	Conductor			H	J	W
	Tube I.P.S.	Rod Size or O.D. Range	Cable			
GK114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	2-1/2
GK1126			4 Sol. - 2/0 Str.			
GK1129			2/0 Sol. - 250			
GK644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
GK6426			4 Sol. - 2/0 Str.			
GK6429			2/0 Sol. - 250			
GK6434			300 - 500	3-1/2	1/2	3
GK1426	1/2 - 3/4	7/8 - 1	4 Sol. - 2/0 Str.	2-3/4	38	3-1/4
GK1429			2 Sol. - 250	3-3/4	1/2	3-7/8
GK1434			300 - 500			
GK1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	3-1/2
GK1529			2/0 Sol. - 250	3-3/4	1/2	4-1/8
GK1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2	3/8	3-7/8
GK1629			2/0 Sol. - 250	4-1/4	1/2	4-1/2
GK1726	1-1/2	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	4-1/8
GK1729			2/0 Sol. - 250	4-5/8	1/2	4-3/4
GK1826	2	2 - 2-3/8	4 Sol. - 2/0 Str.	4-1/4	3/8	4-5/8
GK1829			2/0 Sol. - 250	4-3/8	1/2	5-1/8
GK1926	2-1/2	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	5-1/8
GK1929			2/0 Sol. - 250	5	1/2	5-5/8

CAST BRONZE CLAMPS FOR CONDUIT

Pressure bar type conduit hub adjusts for 1/2", 3/4" EMT or 1/2" rigid conduit. Hub swings 360° for easy alignment. Zinc plated hardware.



Catalog Number	Accommodates Conductor Range			Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	Pipe Clamp	Wire Clamp
C-11JPT	1/2 - 1 [13 - 25]	10 - 6 Sol.	1/2 [13]	2.07 [53]	3.19 [81]	2.70 [69]	50 in.-lb.	50 in.-lb.
C-22JPT	1-1/4 - 2 [32 - 51]			2.70 [69]	3.83 [97]			
C-4JPT	2-1/2 - 4 [64 - 102]			4.39 [112]	5.15 [131]			

CAST BRONZE GROUND CLAMPS

For connecting grounding conductor to water pipe or copper tube. "D" indicates UL467 Listed for direct burial in earth and concrete and are supplied with silicon bronze hardware. "B" indicates brass hardware.



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Rebar	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
C-11N	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.81 [46]	2.25 [56]	.63 [16]	.63 [16]	50 in.-lb.	50 in.-lb.
C-11D		#4 - #8							
C-11B		—							
C-22 *	1-1/4 - 2 [32 - 51]	—	10 - 2 Str.	2.38 [60]	3.63 [92]	.75 [19]	1.00 [25]		
C-22D									
C-4 *	2-1/2 - 4 [64 - 114]	—	10 - 2 Str.	4.13 [105]	6.25 [159]	.96 [24]	1.88 [48]		
C-8 *								4-1/2 - 6 [114 - 165]	10 - 2 Str.

* Catalog numbers C-22, C-4, and C-8 are supplied with zinc plated steel hardware.

BUDGET PRICE CAST BRONZE GROUND CLAMP

Similar to above but lighter duty.

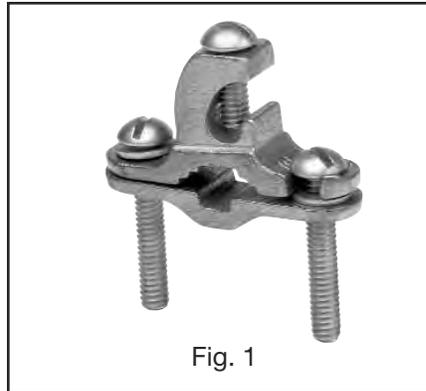


Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Rebar	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
C-5 (JUNIOR)	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.56 [40]	2.25 [56]	.56 [14]	.50 [13]	50 in.-lb.	50 in.-lb.

CAST BRONZE GROUND CLAMPS

With Lay-in Feature

For connecting grounding conductor to water pipe, copper tube, ground rod or rebar. The open face design allows for fast lay-in of the tap conductor without the need for cutting. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.



Catalog Number	Fig. #	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
		Main		Ground Rod	Tap	H	L	W	
		Water Pipe	Rebar	Ground	Ground				
C11K16D	Fig. 1	1/2" - 1"	#4 - #6	3/8" - 1"	#10 - #2 Str.	1.64"	2.28"	0.66"	50 in.-lbs.
C11K17D	Fig. 2	[13 - 25]							

DIE CAST CLAMPS

Die cast zinc with zinc plated screws.



Catalog Number	Accommodates Conductor Range		Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
CZ-11	1/2" - 1" [13 - 25]	10 - 2 Str.	1.56" [40]	2.25" [56]	.56" [14]	.50" [13]	50 in.-lb.	50 in.-lb.

CAST BRONZE CLAMPS

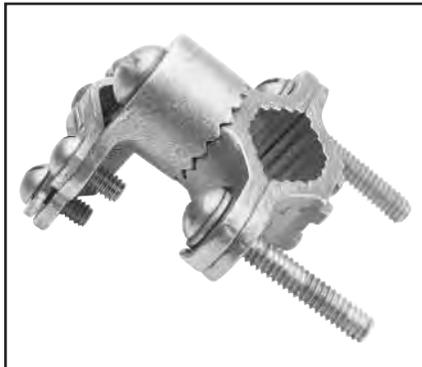
To connect armored cable to water pipe. Zinc plated screws. Pressure bar grips armor or outer cable insulation. 360° swing hub for easy alignment.



Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Armored Conductor	H	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13 - 25]	10 - 6 Sol.	1.38 [35]	3.05 [77]	1.41 [36]	50 in.-lb.	50 in.-lb.
C-22JA	1-1/4 - 2 [32 - 51]		2.60 [66]	3.69 [94]			
C-4JA	2-1/2 - 4 [64 - 102]		4.29 [109]	5.01 [128]			

CAST BRONZE GROUND CLAMPS

For connecting grounding conductor, EMT or rigid conduit to water pipe, copper tube, ground rod or rebar. Hub swings 360° for easy alignment. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.



Catalog Number	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
	Main			Tap				
	Water Pipe	Rebar	Ground Rod	Ground	H	L	W	
C11HD4/ODB	1/2" - 1" [13 - 25]	#4 - #6	3/8" - 1"	#8 - 4/0 AWG	2.25	2.65	1.56	50 in.-lbs.
C22HD4/ODB	1-1/4" - 2" [32 - 51]	—	—	#8 - 4/0 AWG	2.70	3.60	1.56	50 in.-lbs.

CAST BRONZE CLAMPS

For connecting armored cable to water pipe. Zinc plated screws. "D" indicates UL467 for direct burial in earth and concrete, supplied with silicon bronze hardware.



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Ground Clamp	H	L	W	C	Pipe Clamp	Wire Clamp
C-6	1/2 - 1 [13 - 25]	10 - 2 Str.	Bare Armored Unarmored Wire Cables or Cords	1.60	2.34	1.06	.63	50 in.-lb.	50 in.-lb.
C-6D				[41]	[59]	[27]	[16]		
C-7	1-1/4 - 2 [32 - 51]	10 - 2 Str.		2.38	3.62	.94	1.00		
				[60]	[92]	[24]	[25]		

CAST BRONZE CLAMP FOR RIGID CONDUIT

For grounding rigid conduit systems. Zinc plated screws.



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-61	1/2 - 1 [13 - 25]	#6 Sol. Max.	1/2 [13]	2.07 [53]	2.34 [59]	1.34 [34]	1.06 [27]	50 in.-lb.	50 in.-lb.
C-66	1-1/4 - 2 [32 - 51]			2.69 [68]	3.62 [92]	1.34 [34]	1.40 [36]		

CAST BRONZE CLAMPS FOR CONDUIT

For grounding rigid conduit systems. Continuity from rigid conduit systems to ground provided by cast bronze threaded conduit hub. Zinc plated screws.



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-11LH-1	1/2 - 1 [13 - 25]	10 Str. - 6 Sol.	1/2 [13]	2.25 [57]	3.23 [83]	.69 [18]	.97 [25]	50 in.-lb.	50 in.-lb.
C-22LH-1	1-1/4 - 2 [32 - 51]			2.88 [73]	3.50 [89]		1.34 [34]		
C-4LH-1	2-1/2 - 4 [54 - 102]			4.56 [116]	4.82 [122]		2.44 [62]		
C-11LH-2	1/2 - 1 [13 - 25]	2/0 - 10 Str.	3/4 [19]	2.56 [65]	2.86 [73]	1.00 [25]	1.13 [29]		
C-22LH-2	1-1/4 - 2 [32 - 51]			3.19 [65]	3.50 [89]		1.50 [38]		
C-4LH-2	2-1/2 - 4 [64 - 102]			4.88 [124]	4.82 [122]		2.38 [60]		
C-11LH-3	1/2 - 1 [13 - 25]	3/0 - 10 Str.	1 [25]	2.69 [68]	2.86 [73]	1.13 [29]	1.19 [30]		
C-22LH-3	1-1/4 - 2 [32 - 51]			3.32 [59]	3.50 [89]		1.56 [40]		
C-4LH-3	2-1/2 - 4 [63 - 102]			5.01 [127]	4.82 [122]		2.44 [62]		

* C-LH parts ending in "-1" have one screw and a washer, not shown. C-LH parts ending in "-2" or "-3" have two screws as shown.

CAST BRONZE CLAMP WITH COPPER STRAP

For grounding rigid conduit systems. Strap helps protect conduit system from water system vibrations. Zinc plated screws. Strap ETP copper.

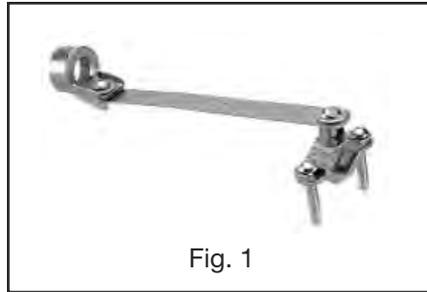


Fig. 1

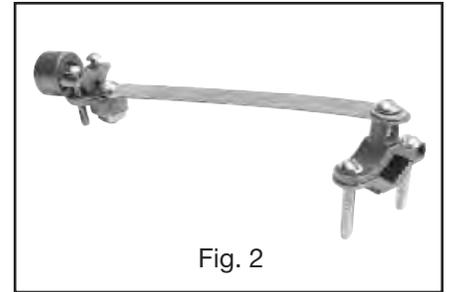


Fig. 2



Catalog Number	Fig. #	Accommodates Conductor Range			Reference Dimensions					Recommended Screw Torque (Inch Pounds)	
		Water Pipe	Ground	Hub Size	H	L	W	C	D	Pipe Clamp	Wire Clamp
C-11CSH-1	Fig. 1	1/2 - 1 [13 - 25]	6 Sol. Max.	1/2 [13]	1.75 [44]	8.50 [216]	1.06 [27]	1.06 [27]	6.12 [155]	50 in.-lb.	50 in.-lb.
C-11CSH-2	Fig. 1		4/0 Str. Max.	3/4 [19]			1.25 [32]	1.50 [38]			
C-11CSH-3	Fig. 1			1 [25]			1.50 [38]	1.75 [44]			
C11CSLH12	Fig. 2		#10 - 2/0 AWG	1/2 [13]			1.18	1.06 [27]		45 in.-lb.	

TYPE GC-A

DUAL RATED GROUND CLAMP

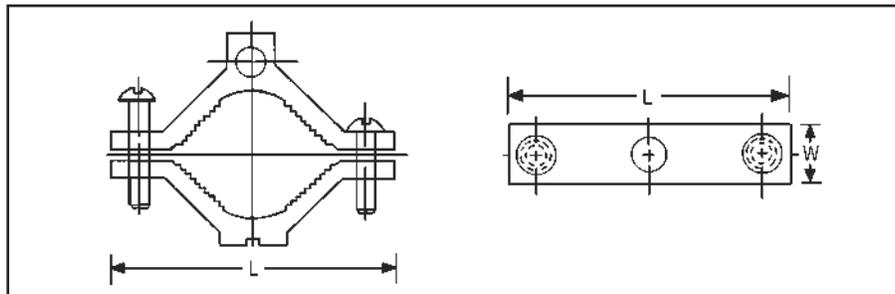
For Copper and
Aluminum Cable

GC-A ground clamps are UL Listed for use with either copper or aluminum conductors to copper water pipe, galvanized pipe or steel conduit. All clamps are constructed from tin plated high-strength extruded aluminum alloy. PENETROX™ oxide inhibiting joint compounds are recommended for all aluminum applications.



Features and Benefits

- Clamps are dual rated for both copper and aluminum conductors.
 - ◊ Maximum flexibility of application.
- All connectors are tin plated.
 - ◊ Provide low contact resistance and prevents galvanic corrosion.
- All clamps are range taking.
 - ◊ Only 3 catalog numbers covers complete range of applications from 1/2 - 4 inches.



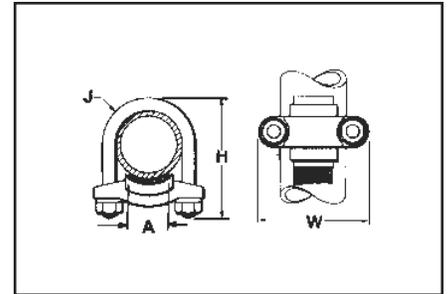
Catalog Number	Conduit, Pipe, or Water Tube Size	Wire Range	Screw Type	W	L	Hex Size
GC15A	1/2 - 3/4 - 1	1/0 - 14	Slotted	11/16	2-1/4	S
GC18A	1-1/4 - 1-1/2 - 2	250 kcmil - 6	Hex Socket	13/16	3-3/4	5/16
GC22A	2-1/2 - 3 - 3-1/2 - 4	250 kcmil - 6	Hex Socket	1	6-5/16	5/16

TYPE GG

GROUND CONNECTOR

For Copper Bar, Strap, Braid or Cable to Rod or Tube

High copper alloy ground connector for joining bar, strap, braid or cable to rod or tube. High copper alloy cast body, DURIMUM™ U-bolts, nuts and lockwashers make the GG particularly effective for use with braid for ground rods, switch handles, fence posts and gates. One-wrench installation.



Catalog Number	Conductor		A	H	J	W
	Tube I.P.S.	Rod				
GG15-1	1	1-1/8 - 1-1/4	1	3-3/8	3/8	2-5/8
GG16-1	1-1/4	1-3/8 - 1-1/2		3		
GG17-1	1-1/2	1-5/8 - 1-7/8		3-1/2		3-1/4
GG17-15			1-1/2			
GG18-1			1	4-1/4		3-3/4
GG18-15	2	2 - 2-3/8	1-1/2			
GG18-2			2	4-3/8		4-1/8
GG19-2				5		4-5/8
GG19-25	2-1/2	2-1/2 - 2-7/8	2-1/2			
GG20-2			2			
GG20-25	3	3 - 3-1/2	2-1/2	6-3/8		5-1/4
GG20-3			3			
GG21-2			2			
GG21-25			2-1/2			
GG21-3	3-1/2	3-1/2 - 4	3	5-7/8	1/2	5-3/4
GG21-35			3-1/2			
GG22-2			2			
GG22-25			2-1/2			
GG22-3	4	4 - 4-1/2	3	6-1/2		6-1/4
GG22-4			4			
GG24-2	5	—	2	7-5/8		7-1/4

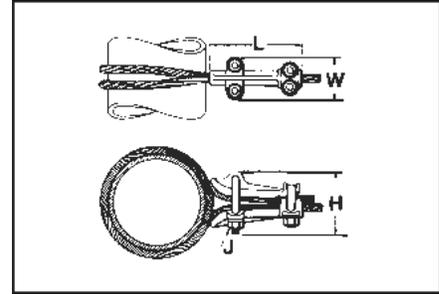
See note page 1

TYPE GQ

GROUND CONNECTOR

For Copper Cable to Tube

High copper alloy ground connector for cross connecting a wide range of cable. High copper alloy, cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GQ suitable for burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



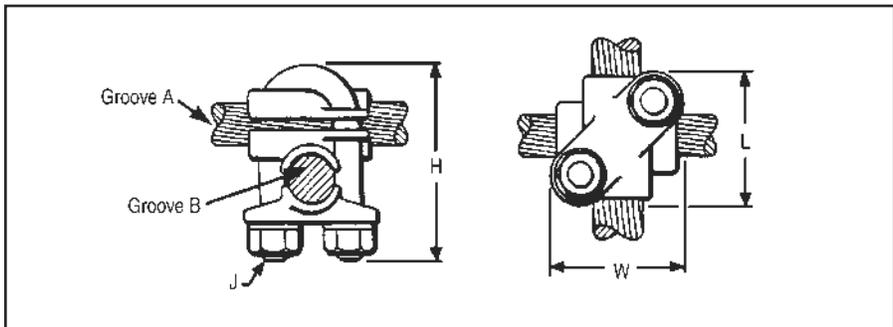
Catalog Number	Conductor		H	J	L	W
	Tube I.P.S.	Cable				
GQ2626	6" Max.	4 Str. - 2/0 Str.	4-1/2	1/2	5	2-1/2
GQ26-1	Above 6"		7-1/8			
GQ2929	6" Max.	2/0 Str. - 250	4-1/8		6	2-3/4
GQ29-1	Above 6"		7-1/2			

TYPE GX

GROUND CONNECTOR

For Copper Cables

High copper alloy ground connector for cross connecting a wide range of cable. The high copper alloy cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GX suitable for burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



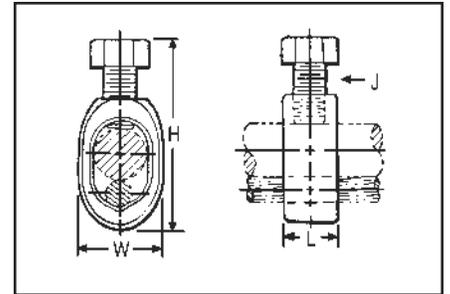
Catalog Number	Conductor		H	J	L	W
	Groove A	Groove B				
GX4C4C	8 Sol. - 4 Str.	8 Sol. - 4 Str.	1-7/8	3/8	1-5/8	1-5/8
GX264C	4 Sol. - 2/0 Str.	8 Sol. - 4 Str.	2-1/2		1-3/4	1-3/4
GX2626		4 Sol. - 2/0 Str.				
GX294C	2/0 Sol. - 250	8 Sol. - 4 Str.	2-3/4		1-7/8	1-7/8
GX2926		4 Sol. - 2/0 Str.				
GX2929	2/0 Sol. - 250					
GX344C	300 - 500	8 Sol. - 4 Str.		4-1/4	1/2	2-5/8
GX3426		4 Sol. - 2/0 Str.				
GX3429		2/0 Sol. - 250				
GX3434		300 - 500				

TYPE GRC

HIGH STRENGTH GROUND ROD CLAMP

For Copper Cable to Rod

High copper alloy ground connector for joining a range of cable to copper clad, galvanized steel, and stainless steel ground rods. Slips over end of rod, one-wrench installation. UL467 Listed for direct burial in earth and concrete.



REA LISTED

Catalog Number	Drive Rod	Conductor Range		H	W	L	J
		Min.	Max.				
GRC12	1/2	10 Sol.	2 Str.	2.00	.89	.63	3/8
GRC58	5/8		1 Str.	2.19	.95	.63	
GRC34	3/4	8 Sol.	1/0 Str.	2.47	1.09	.65	



TYPE GCRT1/0 GROUND CONNECTORS

GROUND CLAMP RANGE TAKING, UP TO 1/0

The GCRT1/0 is a range taking ground rod clamp offering another choice from the BURNDY® family of connectors. The GCRT1/0 works on 1/2", 5/8" and 3/4" ground rods with a wire range of #8 through 1/0! The clamp is UL467 Listed for direct burial in earth and concrete. Catalog number GCRT1/0.



Features and Benefits

- Range taking design helps reduce inventory.
- UL Listed and CSA Certified.
- UL467 Listed for direct burial in earth and concrete.



TYPE GRL

LIGHT DUTY ECONOMICAL GROUND ROD CLAMP

UL467 Listed. Acceptable for direct burial.



Catalog Number	Rod Size	Conductor Range	
		Minimum	Maximum
GRL3*	3/8	10 AWG	4 AWG
GRL4	1/2	10 AWG	2 AWG
GRL5	5/8	10 AWG	2 AWG
GRL6	3/4	10 AWG	2 AWG

* GRL3 not UL Listed.

FLEXIBLE COPPER BRAID JUMPER

Copper braid is made of tinned, pure copper wire woven and flattened into a rectangular shape for greater flexibility. Seamless, pure copper ferrules are formed and assembled on each end to provide appropriate contact surfaces.

Braid is used extensively to compensate for expansion and contraction of moving parts and for thermal movement of rigid devices; to prevent breakage of insulators or bushings or equipment because of misalignment during settling of substation foundations; to absorb shock and vibration of operating equipment; and to provide flexible current carrying leads between moving parts of heavy machinery or equipment.

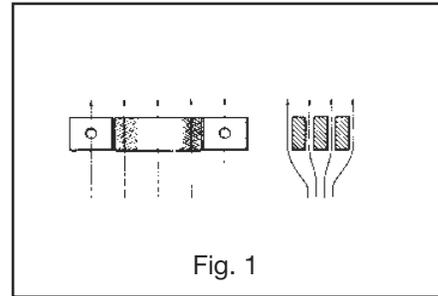


Fig. 1

BULK BRAID

Bulk braid can be ordered with a minimum order quantity of 10 feet. Specify feet in number of inches.

Example: 10 feet of 190 ampere braid is Catalog No. BB077L120.

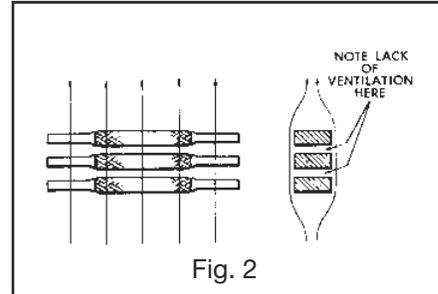


Fig. 2

CURRENT CARRYING CAPACITY

Flexible copper braid has generally better heat dissipation properties than flat bar, cable or other conductors, and therefore can be expected to have a greater current carrying capacity for a given cross-sectional area. This is due to its greater surface area resulting from the woven construction of fine strands. However, ventilation, due to the vertical convection current of air, is appreciably better when the long axis of the braid is vertical rather than horizontal, so that the long sides of the braid, rather than the edges, are exposed to the moving air. This is particularly true when spaced braids are used in multiple as can be seen by comparing Figures 1 and 2.

To take full advantage of ventilation, the cooling convection current of air should be permitted to flow freely between the braids. Therefore, if possible, the braids should be spaced apart, rather than bunched together, as illustrated in Figure 3. The effectiveness of spacing is, of course, greater when the braids are in a vertical position.

INDOOR RATING AMPS	EQUIV CIRCULAR AREA	CAT NO.	APPROX WEIGHT PER* FT
190	77,184	BB077L	.24
340	153,700	BB154L	.49
360	231,552	BB226L	.76
415	300,000	BB300L	1.06

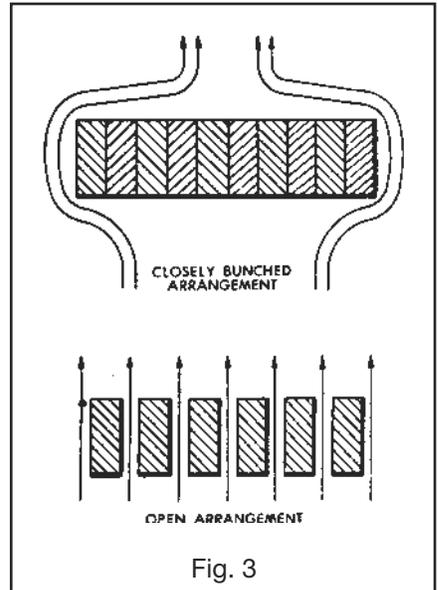


Fig. 3

Cooling Due to Convection Currents Much More Effective with Spaced Braid

FLEXIBLE COPPER BRAID

CUSTOM DESIGNS

Flexible copper braid offers an economical and efficient means of protecting electrical equipment from the potentially harmful effects of shock and vibration, terminal expansion, movement of components and misalignment that may occur during the service life of the equipment.

Many varieties of braid are required to meet those needs which we can build to your specifications.

We also offer engineering assistance in the selection of the most appropriate standard or custom braid configuration for your application.

CUSTOM VARIATIONS

Drilling

- * Undrilled
- * Elongated (slotted) holes
- * Special hole patterns and location
- * Metric
- * NEMA

Plating

- * Tin
- * Silver
- * Nickel
- * Unplated

Length

- * Jumper (overall)
- * Ferrule(s) contact

Insulated (covered)

- * Tubular
- * Heat shrink

Split Braid Assemblies

- * Stacked
- * Side-by-side

Multiple Ferrules

Preformed Configurations

- * Offset contact surfaces
- * Angular (e.g., 90°, 180°) bends
- * Ferrule contact surfaces rotated 90° on braid axis

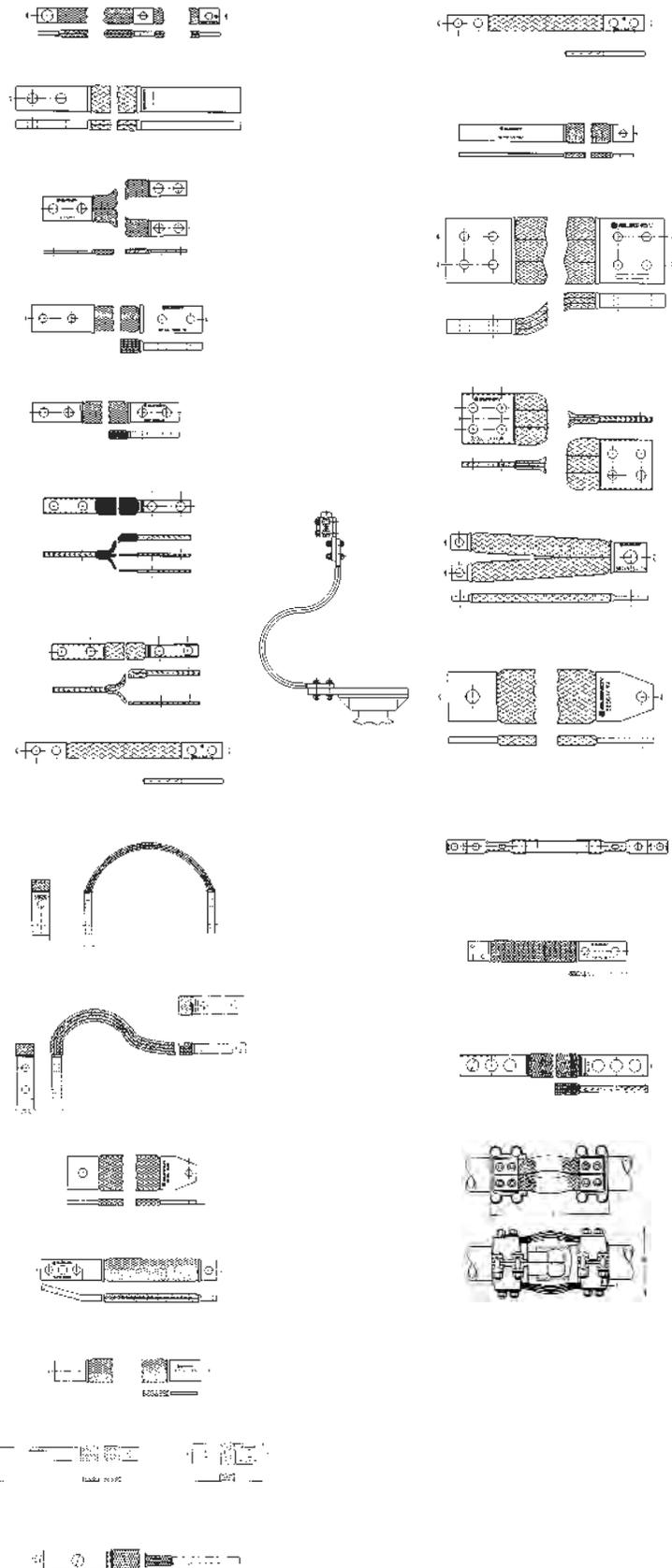
Combined Braid Assemblies

Combined Connector - Braid Assemblies

Ferrule Variations

- * Belled/unbelled
- * Width/thickness
- * Contact length
- * Special shaping
- * Bent at angle °

High Ampacity Requirements



TYPE B

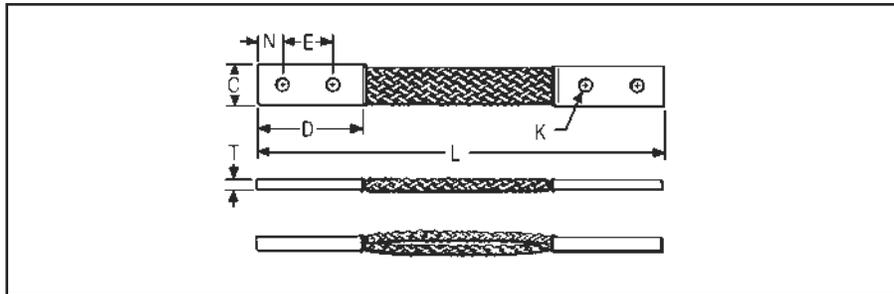
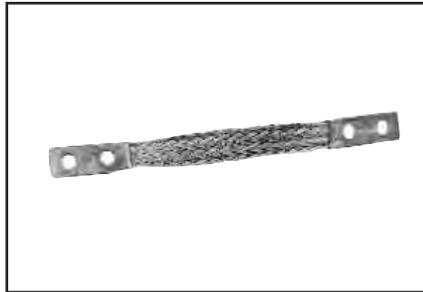
FLEXIBLE COPPER BRAID

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices.

Made of flat extra flexible, tinned, pure copper braid, with unplated, seamless, pure copper ferrules formed into a rectangular shape on each end.

Last two numbers in catalog number indicate total length of braid in inches (e.g., BD12N or BD12 is 12" long braid jumper).

Other lengths, plating and drilling are available. Refer to factory.



Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating		
									Indoor	Outdoor	
BD12 †	1	.94	2.50	1.25	.44	12	.62	.13	190	225	
BD12N** †			3.00	1.75	.56	12					
BD18 †			2.50	1.25	.44	18					
BD18N** †			3.00	1.75	.56	18					
BD24 †			2.50	1.25	.44	24					
BD24N** †			3.00	1.75	.56	24					
BE12 †	1	1.50	3.00	1.50	.44	12	.75	.17	340	405	
BE12N** †				1.75	.56	12					.62
BE18 †				1.50	.44	18					.75
BE18N** †				1.75	.56	18					.62
BE24 †				1.50	.44	24					.75
BE24N** †				1.75	.56	24					.62
BF12 †	1	1.19	3.00	1.50	.44	12	.75	.25	360	430	
BF12N** †				1.75	.56	12					.62
BF18 †				1.50	.44	18					.75
BF18N** †				1.75	.56	18					.62
BF24 †				1.50	.44	24					.75
BF24N** †				1.75	.56	24					.62
BG12	1	1.50	3.00	1.50	.44	12	.75	.25	415	495	
BG12N**				1.75	.56	12					.62
BG18				1.50	.44	18					.75
BG18N**				1.75	.56	18					.62
BG24				1.50	.44	24					.75
BG24N**				1.75	.56	24					.62

* This rating may vary with ambient conditions, orientation of the braid and other service conditions.

** Tongue drilled per (2) hole NEMA standard.

Note: All sizes are listed to UL467 and specific sizes (†) are certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards. Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details.

TYPE B

FLEXIBLE COPPER BRAID
(Continued)



Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
B2D12 †	2	.94	2.50	1.25	.44	12	.62	.25	380	455
B2D12N** †			3.00	1.75	.56	12	.62			
B2E12		1.62	3.00	1.50	.44	12	.75	.25	530	635
B2E12N**			3.00	1.75	.56	12	.62			
B2F12		1.38	3.00	1.50	.44	12	.75	.38	600	720
B2F12N**			3.00	1.75	.56	12	.62			
B2G12N**	1.50	3.00	1.75	.56	12	.62	.50	700	840	
B3D12 †	3	1.19	2.50	1.25	.44	12	.62	.25	470	560
B3D12N** †			3.00	1.75	.56	12	.62			
B3E12		1.64	3.00	1.50	.44	12	.75	.31	700	840
B3E12N**			3.00	1.75	.56	12	.62			
B3F12		1.44	3.00	1.50	.44	12	.75	.56	820	980
B3F12N**			3.00	1.75	.56	12	.62			
B3G12	1.69	3.00	1.50	.44	12	.75	.69	960	1150	
B3G12N**		3.00	1.75	.56	12	.62				
B4D12	4	1.19	2.50	1.25	.44	12	.62	.32	600	720
B4D12N**			3.00	1.75	.56	12	.62			
B4E12		1.64	3.00	1.50	.44	12	.75	.36	850	1020
B4E12N**			3.00	1.75	.56	12	.62			
B4F12		1.50	3.00	1.50	.44	12	.75	.78	1000	1200
B4F12N**			3.00	1.75	.56	12	.62			
B4G12N**	1.69	3.00	1.75	.56	12	.62	.94	1200	1440	

* This rating may vary with ambient conditions, orientation of the braid and other service conditions.
 ** Tongue drilled per (2) hole NEMA standard.

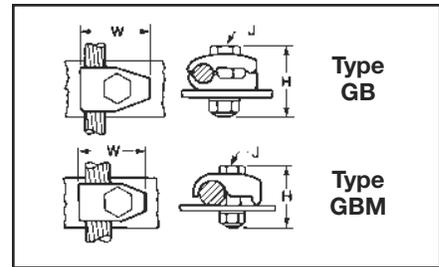
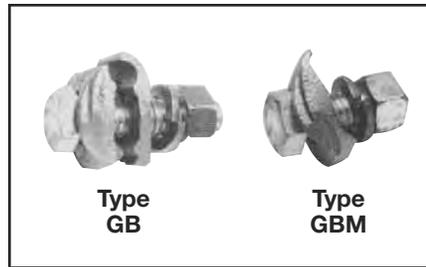
Note: All sizes are listed to UL467 and specific sizes (†) are certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards. Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details.

TYPES GB, GBM

GROUND CONNECTOR

For Copper Cable to Bar

High copper alloy ground connector for joining a range of cable to 1/4" thick bar.* Type GB separates cable from bar, GBM clamps cable directly on bar surface. One-wrench installation. UL467 Listed. The high copper alloy cast body and DURIMUM™ bolts, nuts, and lockwashers make the GB and GBM suitable for direct burial in concrete or ground.



Catalog Number		Conductor	H Type GB/GBL	H Type GBM	J	W Type GB/GBL	W Type GBM
Type GB	Type GBM						
GB4C	GBM4C	8 Sol. - 4 Str.	1-1/2	1-1/2	3/8	1-1/4	1-1/4
GB26	GBM26	4 Sol. - 2/0 Str.	2	2	1/2	1-1/2	1-1/2
+GBL30		4 Sol. - 300				7/8	0
GB29	GBM29	2/0 Sol. - 250	3	2-1/4		2	2
GB34	GBM34	300 - 500				2-3/8	2-3/8

+ GBL30 is not UL listed.

Add "GS" suffix for galvanized steel hardware.

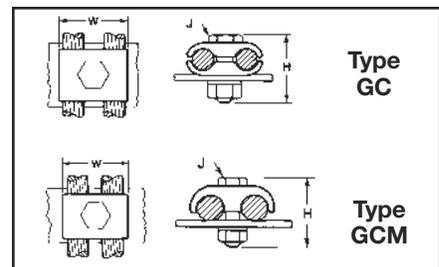
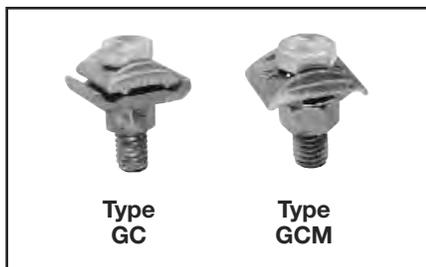
* For other bar thicknesses see note at bottom of page E-48.

TYPES GC, GCM

GROUND CONNECTOR

For Two Copper Cables to Bar

High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Type GC separates cable from bar, GCM clamps cable to bar surface. One-wrench installation. UL467 Listed. The high copper alloy cast body and DURIMUM™ bolts, nuts, and lockwashers make the GC and GCM suitable for direct burial in concrete or ground.



Catalog Number		Conductor	H Type GC/GCL	H Type GCM	J	W Type GC/GCL	W Type GCM
Type GC	Type GCM						
GC4C4C	GCM4C	8 Sol. - 4 Str.	1-1/2	1-1/2	3/8	1-3/8	1
GC2626	GCM26	4 Sol. - 2/0 Str.	2	—	—	1-3/4	1-3/8
GCL30	GCM30	4 Str. - 300	2	—	—	1	—
GC2929	GCM29	2/0 Sol. - 250	2-1/4	2	—	2-1/4	2
GC3434	GCM34	300 - 500	2-7/8	2-1/4	1/2	2-7/8	2-5/8

Smooth oval-shank bolts are available upon request for cable-tray applications (example: GC30G3). Also refer to type GC-CT.

Add "GS" suffix for galvanized steel hardware.

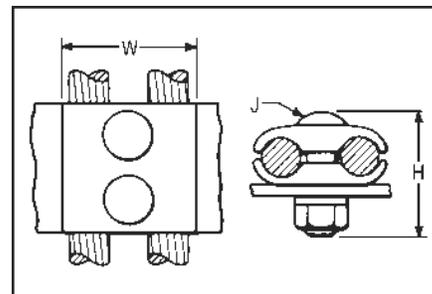
* For other bar thicknesses see note at bottom of page E-48.

TYPE GL

GROUND CONNECTOR

For Two Copper Cables to Bar

High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Two-bolt design, separates cable from bar. One-wrench installation. UL467 Listed. The high copper alloy cast body and DURIUUM™ bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground.



Catalog Number*	Conductor	H	J	W
GL4C4C	8 Sol. - 4 Str.	1-1/2	3/8	1-3/8
GL2626	4 Sol. - 2/0 Str.	2		1-3/4
GL2929	2/0 Sol. - 250	2-1/4	1/2	2-1/4
GL3434	300 - 500	2-7/8		2-7/8

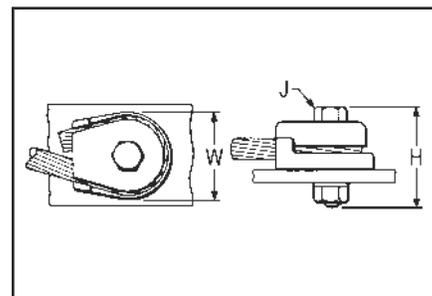
* For other bar thicknesses see note at bottom of page.

TYPE GZ

GROUND CONNECTOR

For Copper Cable to Bar

High copper alloy ground connector for joining a wide range of cable to 1/4" thick bar*. Cable is gripped by curving it around the clamping bolt in connector groove. UL467 Listed. The high copper alloy cast body and DURIUUM™ bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground.



Catalog Number*	Conductor	H	J	W
GZ4C-38	8 Str. - 4 Str.	1-1/2	3/8	1-1/8
GZ4C-12		1-7/8	1/2	1-3/4
GZ4C-58		2	5/8	
GZ26-38	3 Str. - 2/0 Str.	2-1/8	3/8	1-5/8
GZ26-12			1/2	1-3/4
GZ26-58		5/8		
GZ29-38		2-1/4	3/8	2-1/4
GZ29-12	2-3/8	1/2		
GZ29-58	2-1/2	5/8		

NOTE:

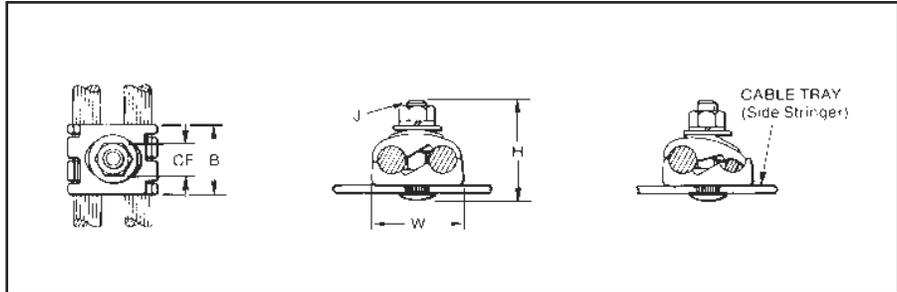
* The GB, GBM, GC, GCM, GL and GZ are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

TYPE GC-CT

**CABLETRAY
GROUND CLAMP**

This unique connector incorporates features which are unmatched. Made of tin-plated cast copper alloy, it accommodates either one or two conductors, copper or aluminum cable. In addition to a low profile head with a deep Phillips recess, the galvanized steel bolt has a ribbed neck which prevents rotation during installation when installed in a .44 diameter hole. When used on aluminum conductor, the cable must be scratch brushed and PENETROX™ A joint compound must be used on cable and connector.

UL467 Listed for copper conductor only. Suitable for direct burial in concrete or earth.



Catalog Number	Accommodates Copper or Aluminum Conductor in Either Groove	B	CF	H	J	W
GC2525CT	#6 Sol. (.162 Dia.) - 1/0 Str. (.372 Dia.)	1.12	.56	1.95	3/8" - 16	1.45
GC2626CT	#2 Sol. (.258 Dia.) - 2/0 Str. (.419 Dia.)	1.12	.56	1.95	3/8" - 16	1.70
GC2929CT	2/0 Str. (.414 Dia.) - 250 kcmil (.575 Dia.)	1.12	.56	2.20	3/8" - 16	1.98

NOTE:

The bolt head is mounted on the inside wall of cabletray to avoid damage to the cable insulation.
May be used with aluminum or galvanized steel cable tray.

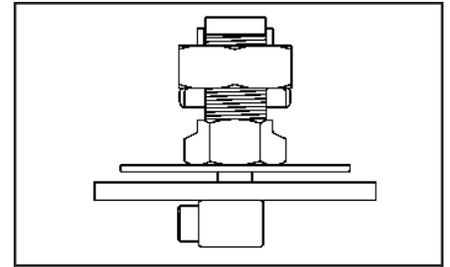
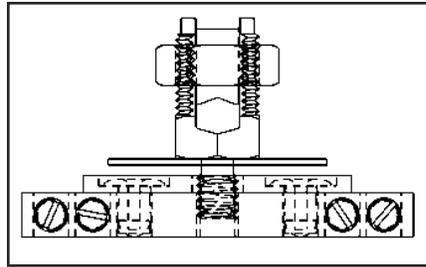
TYPE BDT

BONDIT™ INTERSYSTEM BONDING CONNECTOR

House Mounted or
Meter Socket Mounted

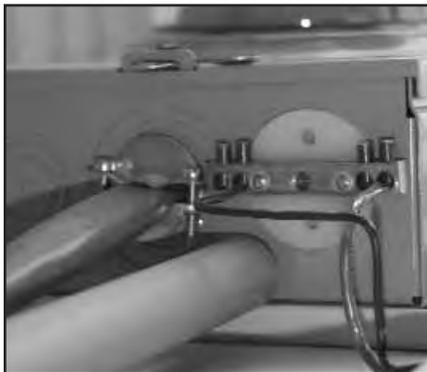
Designed to meet the requirements of 2008 NEC Article 250.94 “Bonding for Other Systems.” Corrosion-resistant stainless steel set screws. Accepts main ground wire (#2-#8) and up to 4 intersystem wires (#6-#14). Same design can be mounted directly to the meter socket or mounted to the house. Innovative design does not damage meter socket and will not void warranty.

Catalog Number: **BDT1**



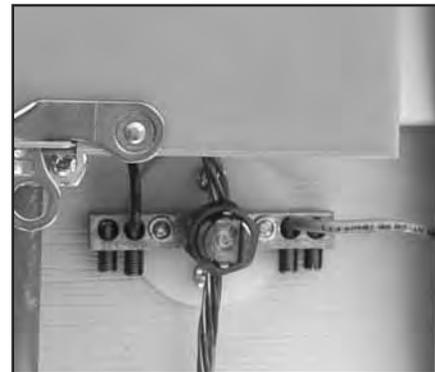
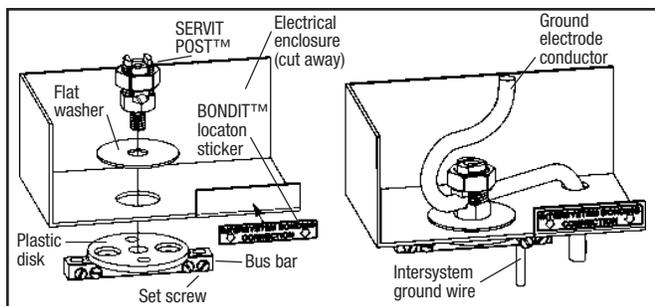
Features & Benefits

- Made in the USA!
- Meets Intersystem Bonding Requirements: NEC2008 250.94
- One connector does it all
- House mount or meter socket mount
- Incorporates proven BURNDY® SERVIT POST™ design
- Stainless steel set screws
- Accepts main ground wire (#2-#8), up to 4 intersystem wires (#6-#14)
- Easily mounts to meter box during new installation or can be wall mounted
- Easy to follow instructions included
- Does not damage meter socket; no worries about damaging the paint or voiding warranties
- Easily installed with a wrench and screwdriver
- Open design prevents buildup of hornets, bees, spiders



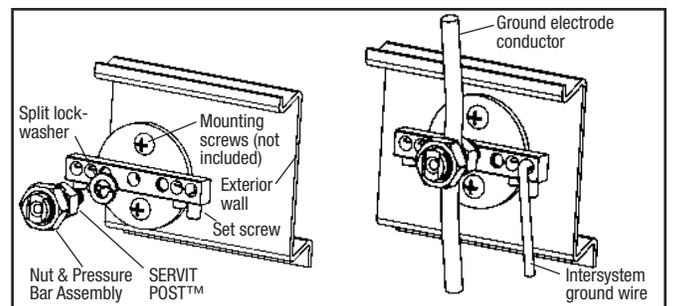
CONFIGURATION 1 – MOUNTED TO ENCLOSURE

1. Punch out a 1/2" or 3/4" knock out on the electrical enclosure.
2. Begin assembly by installing the ground electrode conductor in the SERVIT POST™ inside the electrical enclosure. Torque on SERVIT® nut: 275 in-lb max.
3. Install the rest of the connector as shown in figure 1 below, it is not necessary for the bus bar to be aligned parallel with the enclosure. (Note: the split washer is not used in this configuration.)
4. Tighten the intersystem ground wires with set screws in the bus bar to a maximum torque of 35 in-lb.
5. Adhere the BONDIT™ location sticker to the front of the electrical enclosure.



CONFIGURATION 2 – MOUNTED TO EXTERIOR WALL

1. Begin by assembling the connector as shown in figure 2 below. Be sure SERVIT POST™ is as tight as it can be while its groove is aligned with the ground electrode conductor. (Note: the flat washer is not used in this configuration.)
2. Use two mounting screws (not included) to secure the connector to the exterior wall so that the set screws in the bus bar face downward.
3. Install the ground electrode conductor into the SERVIT POST™ while turning the nut/pressure bar assembly to a maximum torque of 275 in-lb. (use 2 wrenches if necessary).
4. Tighten the intersystem ground wires with the set screws in the bus bar to a maximum torque of 35 in-lb.
5. If hidden from view, use the BONDIT™ location sticker to indicate the location.



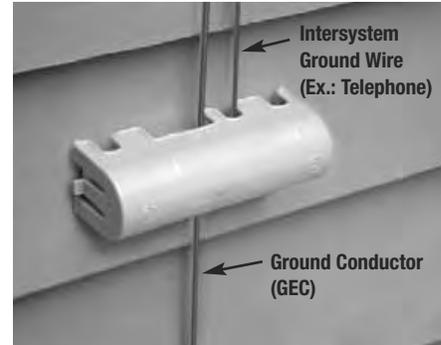
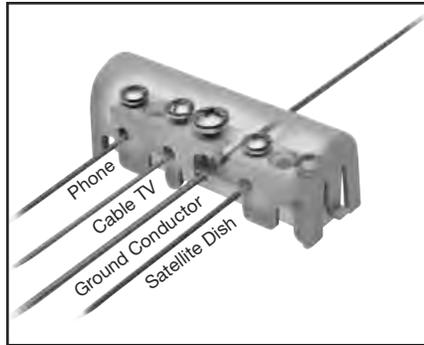
BONDIT™ - Wall Mount

Intersystem Bonding Connector

NEC 250.94 refers to a requirement in the 2008 National Electrical Code. In the past, ground wires from telephone systems or cable systems were allowed to be grounded separately from the GEC (Ground Electrode Conductor from the main electrical service). With the new code, all ground wires from separate systems such as telephone systems, CATV and radio systems must be tied together at one location to the GEC. Hence, the term intersystem refers to tying all of the “system” grounds together in one location. The BONDIT™ - Wall Mount is a great solution when the GEC is exposed (not in conduit).

With the new BONDIT™ - Wall Mount connector, BURNDY® provides an economical solution that meets the needs of NEC 250.94.

Catalog Number: **BDTIBB**



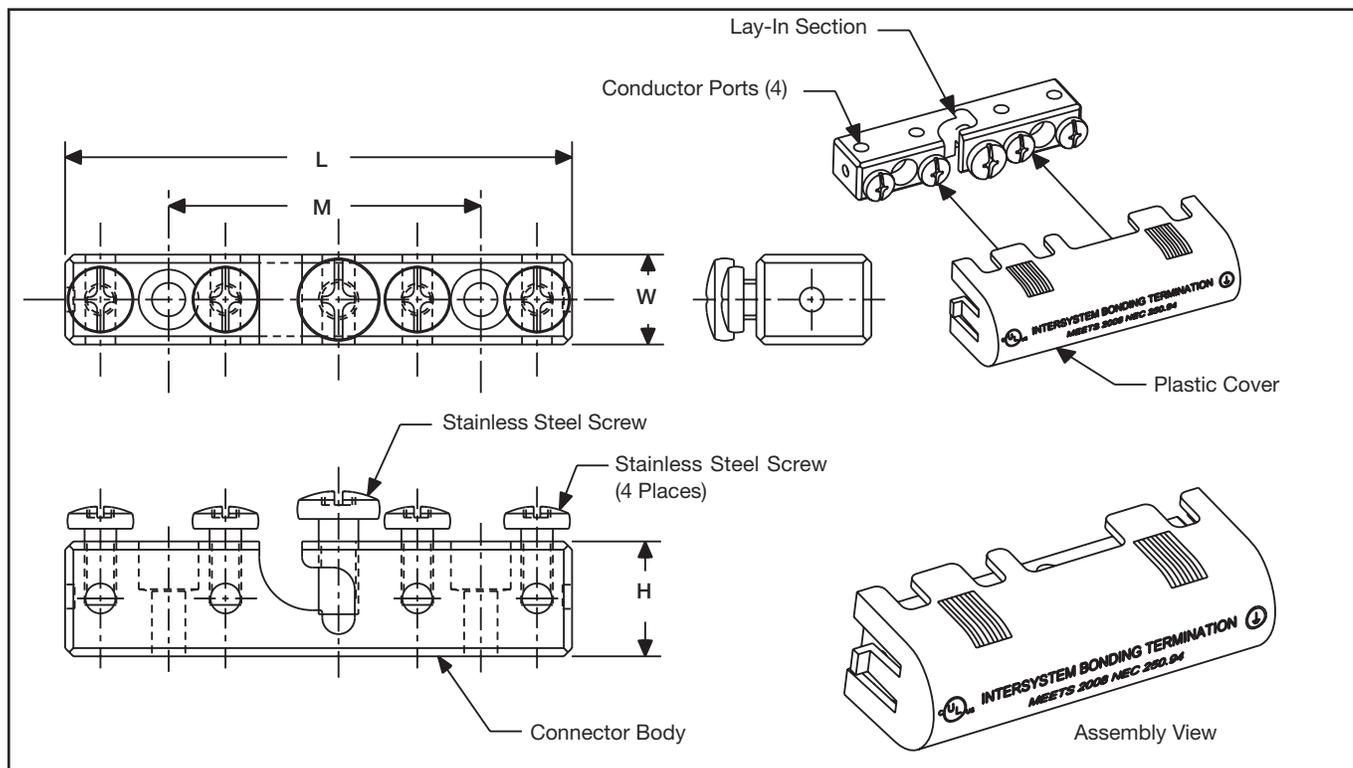
Features and Benefits:

- Meets the Intersystem Bonding requirements of NEC2008 250.94
- Provides an easy to access grounding point for utilities such as telecom and cable
- Easy to install
- UL Listed and CSA Certified
- Tin-plated connector body provides long-lasting corrosion resistance
- Stainless steel set screws



- Accepts main ground wire (#2 to #6), up to (4) intersystem wires (#4 to #14)
- Supplied with durable cover, easily secured over connector body
- Approved for use with solid or stranded conductors

Catalog Number	Conductor Range		Reference Dimensions			
	Lay-In Section	Conductor Ports	L	W	H	M
BDTIBB	#6 - #2 AWG	#14 - #4 AWG	3.99 [101]	.71 [18]	.91 [23]	2.46 [62]



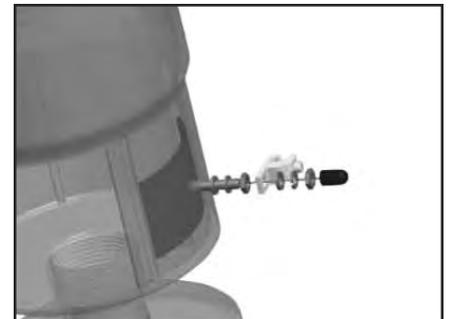
BWB680 SERIES

BURNDY® POOL WATER BONDING KIT

NEC 2008 680.26(C) states: “An intentional bond of a minimum conductive surface area of 9” shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B).”

In order to comply with this requirement BURNDY® is pleased to introduce the BWB680 Series. Made of non-corrosive stainless steel, the BURNDY® water bonding kit maintains constant contact with pool water to ensure that the pool is effectively bonded at all times.

BURNDY® BWB680 Series is one of the few and the most user friendly, products on the market that complies with this code. Other products that are currently available are placed in the plumbing, which is not always in contact with the water and therefore does not meet the code. Since the BWB680 is placed in the skimmer, it is always in contact with the water.



Some of the features of this product include:

- Easy installation
- Mounting hardware included
- UL Listed
- Placed out of the way on the side wall of the skimmer, below the basket



Catalog Number	Pool Type
BWB680IG	In-Ground
BWB860AG	Above Ground

Included in the BURNDY® BWB680 Series Bonding Kit: One bonding plate, (1) rubber sealing washer, (2) flat washers, (2) lock washers, (2) nuts and (1) BURNDY® CL501-TN

Skimmer

Bonding wire goes here

A pool skimmer acts as a water filter at the top of a pool. Because pool water is continuously flowing through the skimmer drain, installing the BURNDY® Pool Water Bonding Kit inside the skimmer is ideal for complying with NEC 2008 680.26(C).

BSD Series

STATIC DISCHARGE REELS

Static Discharge Reels are an excellent addition to the BURNDY® static discharge line of products. These reels are often used to dissipate static charge buildup developed while filling or dispensing fuel or other combustible liquids from fuel trucks or rail cars. Often used in the petroleum industry but applicable in any area where static discharge creates a potential hazard.

BURNDY® offers the three most common static discharge reels found in the market. These reels are heavy duty, with 50' lengths and are supplied with a 100 amp universal jaw-type grounding clamp. All reels come standard with spring rewind and centrifugal brake. The tension can be adjusted on these reels and installation instructions are included to ensure the most efficient mounting method.

Every reel is Proudly Made in the USA and meets the stringent quality expectations of the BURNDY® portfolio of grounding products.



Features & Benefits

- Automatic E-Z PULL™ Rewinding
- Rugged Steel Construction
- Compact Enclosed Design
- Positive Ratchet Lock
- Includes Ratchet On/Off Switch
- Steel Cable Installed
- 100 Amp Universal Jaw-Type Grounding Clamp
- Red Baked-on Finish
- 50' Cable Length
- Made in the USA

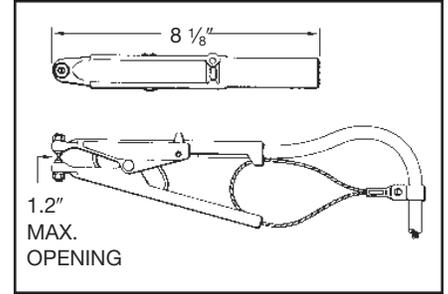
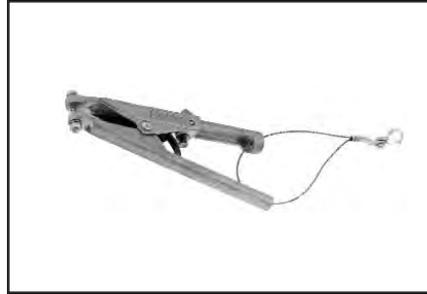
Catalog Number	Cable Length	Number of Jaw-Type Grounding Clamps	Weight (lbs.)
BSD2050	50 Feet	1	12
BSD2050N	50 Feet (Nylon Covered)	1	12
BSD2050Y	35 Feet plus 15 Feet for "Y"	2	13

TYPE GIE-G

GROUND CONNECTOR

For Vehicle Grounding
Heavy Duty Construction

High-strength copper alloy ground clamps for grounding gasoline trucks, tank cars, aircraft and other vehicles where danger of explosion due to static electricity exists. Corrosion resistant and supplied with nonsparking, adjustable, replaceable contact grip screws. Automatic safety release disconnects should a vehicle unexpectedly move from the grounded area. Accommodates 4 Str. flexible copper cable.



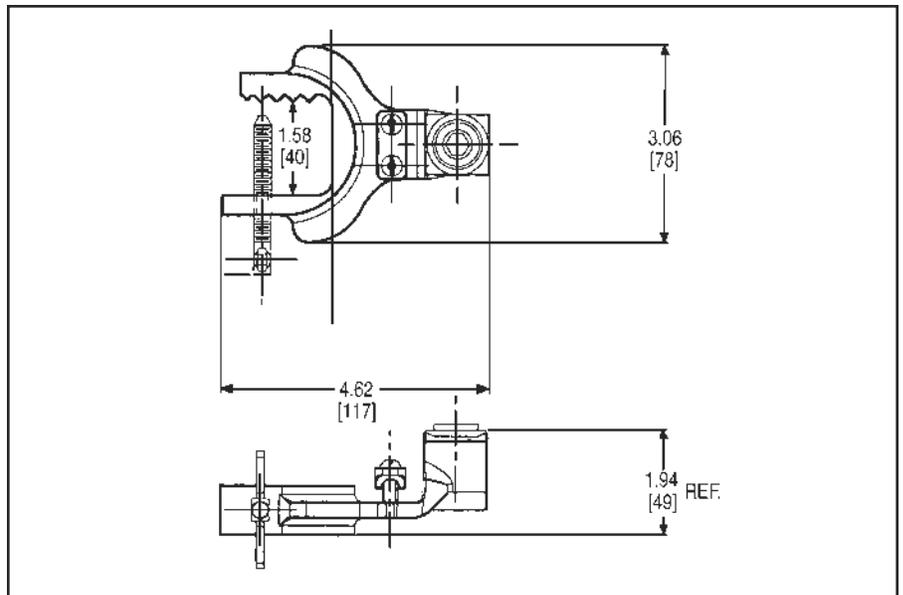
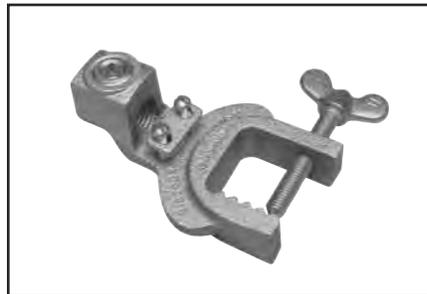
Catalog Number	Replaceable Contact Grip Screws		
	Catalog Number	Material	Point Configuration
GIE4CG3	GIE4CG3P5	Beryllium Copper	Cone Point
	GIE4CG3P7		Cup Point
GIE4CG4	GIE4CG4P5	Stainless Steel	Cone Point
	GIE4CG4P7		Cup Point

TYPE GIE-G

GROUND CONNECTOR

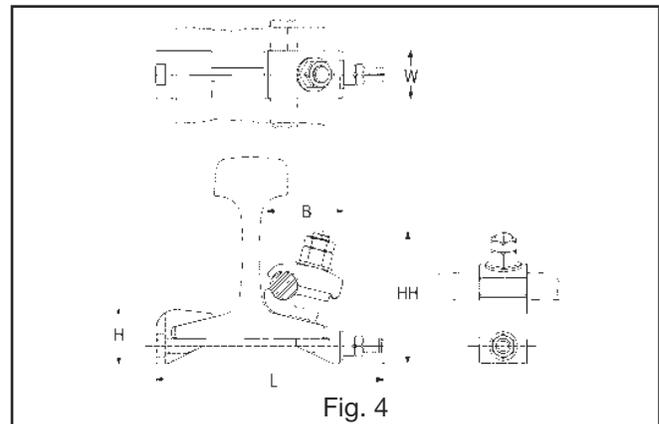
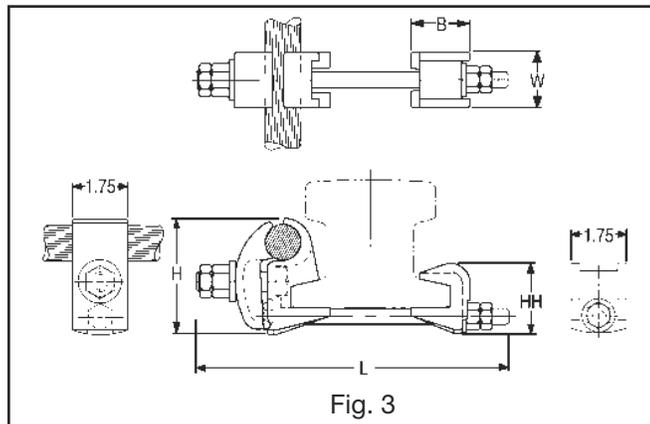
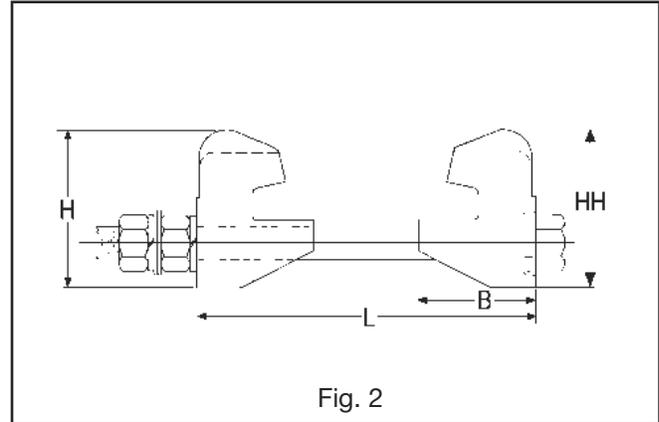
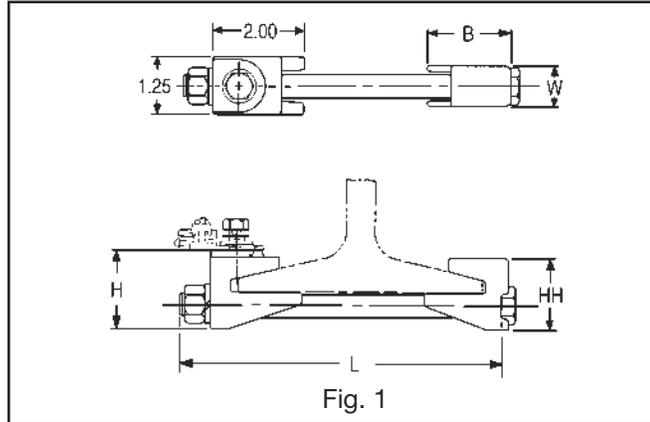
Accommodates flexible rubber sheath cable ranging from #6 to #2 conductor.

Catalog Number: **GIE2CG3**



RAIL CONNECTOR

Mechanical clamp connectors designed for use in power, contact or running rail applications. Connectors are cast of a high conductivity copper alloy, tin-plated, and assembled with high-strength DURIMUM™ hardware. Connectors designed for extended service life.



Catalog Number	Fig. No.	Accommodates	B	H	HH	L	W
J278	1	100 Lbs. A.R.E.A. Running Rail	1.81	1.88	1.72	7.50	.88
J279	1	75 or 90 Lbs. Running Rail	1.81	1.71	1.55	7.50	.88
J280	1	150 Lbs. Contact Rail	2.12	2.08	1.92	7.00	1.25
J295	2	150 Lbs. Third Rail	2.62	3.50	3.50	7.75	3.00
RGC44G1*	3	150 Lbs. NMC Contact Rail and (1) 800-1000 kcmil CU Cable	1.75	2.82	2.25	10.00	1.75
RGC39G1*	4	115 Lbs. Contact or Running Rail and (1) 500-750 kcmil CU Cable	2.75	2.00	4.78	8.32	1.25

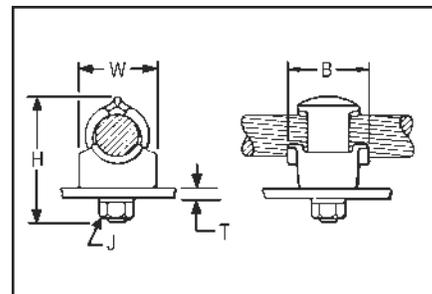
* Tin-plated.

TYPE QGFL

BARTAP™

For Copper Cable to Flat Bar or Pad

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation. DURIU™ nut and lockwasher.



Catalog Number	Conductor	B	H	J	T (Max.)	W
QGFL1CB1	10 Sol. - 1 Str.	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6			2-3/8		3/4	
QGFL26B1			2-1/8		1/4	
QGFL26B1T6	8 Sol. - 2/0 Str.	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2*			1-1/2		1/4	
QGFL26B2T6*			1-1/2		2-7/8	
QGFL29B1*	6 Str. - 250	1-5/8	2-5/8	3/8	1/4	1-3/8
QGFL29B1T6*			3-1/8		3/4	
QGFL31B1*	2 Sol. - 350	1-3/4	2-7/8	3/8	1/4	1-5/8
QGFL31B1T6*			3-1/4		3/4	
QGFL34B1	1/0 Sol. - 500	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6			3-5/8		3/4	
QGFL39B1	350 - 750	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6			3-5/8		3/4	
QGFL44B1			3-3/8		1/4	
QGFL44B1T6	750 - 1000	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 - 1500		4		1/4	
QGFL46B1T6	1500 - 2000	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1			4-3/4		1/4	

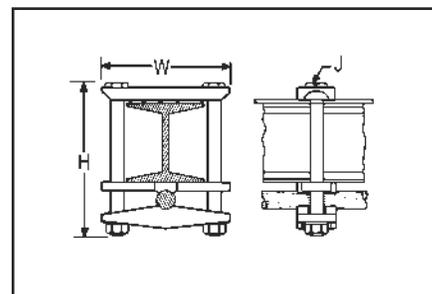
* Can be installed side by side or in line on NEMA drilled bar.

TYPE GA-H

GROUND CONNECTOR

For Copper Cable to "H" Beam

High copper alloy ground connector for joining a wide range of cable parallel to "H" beams or square tube. Hardware is made from DURIU™ for superior corrosion protection.



Catalog Number	Conductor		H	J	W
	"H" Beam	Cable			
GA25H26	1-7/8" × 1-7/8" - 2-1/2" × 2-1/2"	4 Sol. - 2/0 Str.	4-3/4	3/8	4

TYPE GRF

UNIGROUND™

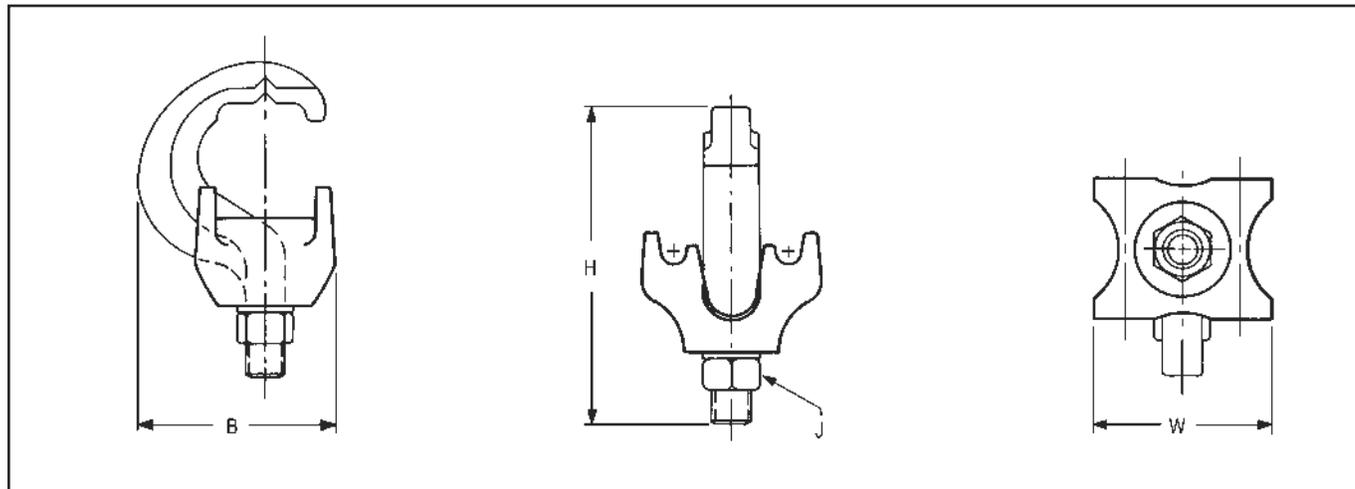
Raised Floor Grounding Connector

The BURNDY® UNIGROUND™ is a universal grounding clamp, specifically designed for all raised flooring systems. It can be installed on round or square pedestals and can accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.



Features and Benefits

- One connector fits all applications.
 - ◇ Ease of specification and installation.
- Single bolt design.
 - ◇ Ease of installation:
 - No need to disassemble.
 - Single wrench installation.
- Accepts 1 or 2 ground conductors.
 - ◇ Requires less connectors to install signal reference grid.
- Tin plated cast bronze construction.
 - ◇ Resists corrosion and provides extended life ground connection.
- Grounds all pedestals (round or square). Will handle up to 7/8" square and 1" round.
 - ◇ Ease of installation. One connector does it all
- Serves 3 needs:
 1. Signal Reference Grid.
 2. Static Ground.
 3. Fault Current Ground.
 - ◇ UNIGROUND™ solves all possible grounding problems found in computer applications today.



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Type		B	H	J	W
			Round	Square				
GRF4C-3	1 or 2	#8 - #2	Up to 1"	Up to 7/8"	1.96	3.14	3/8"	1.76
GRF4C-4	1 or 2	#8 - #2	Up to 3/4"	Up to 5/8"	1.79	3.13	3/8"	1.40

TYPES GP-G1, GP-RT

Raised Floor Grounding Clamps

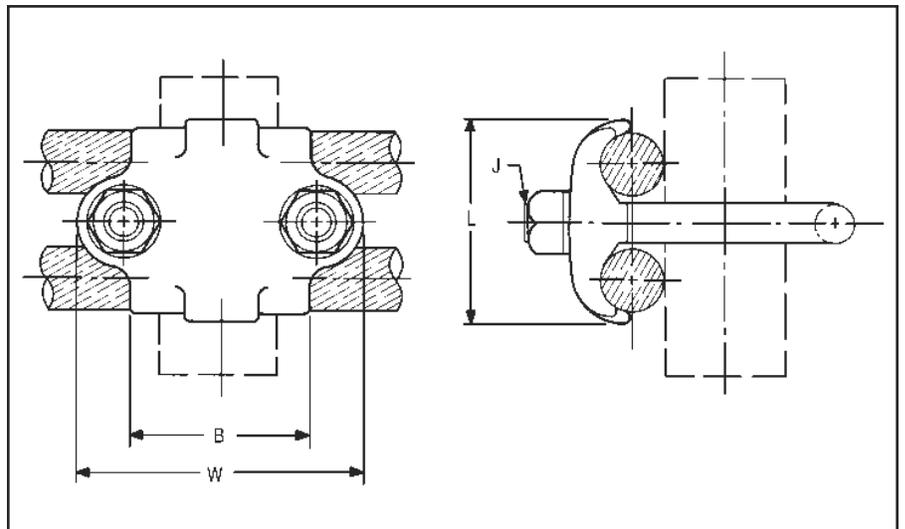
High copper alloy ground connector for raised floor computer grounding applications. These connectors can be installed on round and square pedestal applications and will accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

In addition we offer the GP1726RT, which is especially designed for penetrating epoxy paint on pedestals. This patented connector offers a low impedance, time saving connection between conductors and the Pedestal.



Features and Benefits

- Accepts 1 or 2 Ground Conductors
 - ◊ Requires less connectors to install signal reference grid.
- Made of copper alloy.
- DURIMUM™ U-Bolts, nuts and lockwashers.
 - ◊ Provides a low impedance ground path for maximum performance.
- Grounds all pedestals (round or square).
- Will handle from 3/4" to 1" round or square.
 - ◊ Ease of installation.
- Serves 3 needs.
 1. Signal Reference Grid.
 2. Static Ground.
 3. Fault Current Ground.
 - ◊ Connectors solves all possible grounding problems found in computer applications today.



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Type	B	J	L	W
			Round or Square				
GP654CG1	1 or 2	#8 Sol. - 4 Str.	3/4" - 1" Round	1.5	3/8"	1.31	2.38
GP64526G1	1 or 2	#4 Sol. - 2/0 Str.	3/4" - 7/8" Square	1.5	3/8"	1.69	2.38
GP1526G1	1 or 2	#4 Sol. - 2/0 Str.	1-1/4" Round	1.75	3/8"	1.69	2.62
GP1726RT	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8"	1.50	3.22
GP1726G1	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8"	1.50	3.22

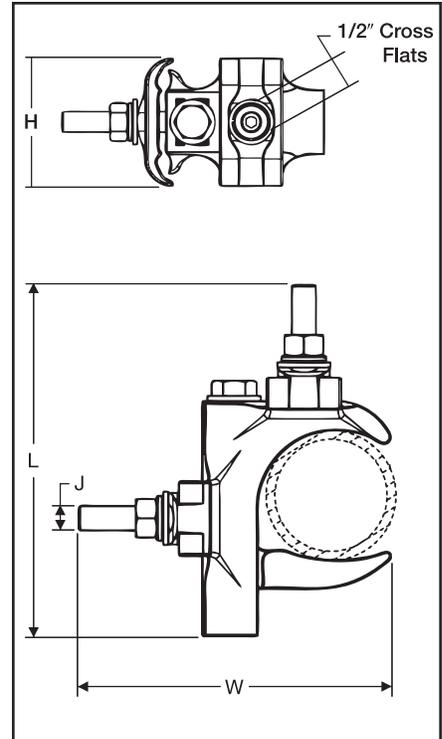
TYPE GXP1828RF

SUPER-CLAMP™

**Raised Floor Pedestal
Ground Connector**

The GXP1828RF is a versatile, easy to install, range taking ground connector. This grounding clamp accepts a wide range of pedestals and conductors. Accepted pedestal range is 3/4" through 2" (7/8" - 2" round; 3/4" - 1-1/2" square). The wire range is #6 solid to 4/0 stranded. The wires can be arranged in parallel or in a cross grid configuration—accepts 1 or 2 wires.

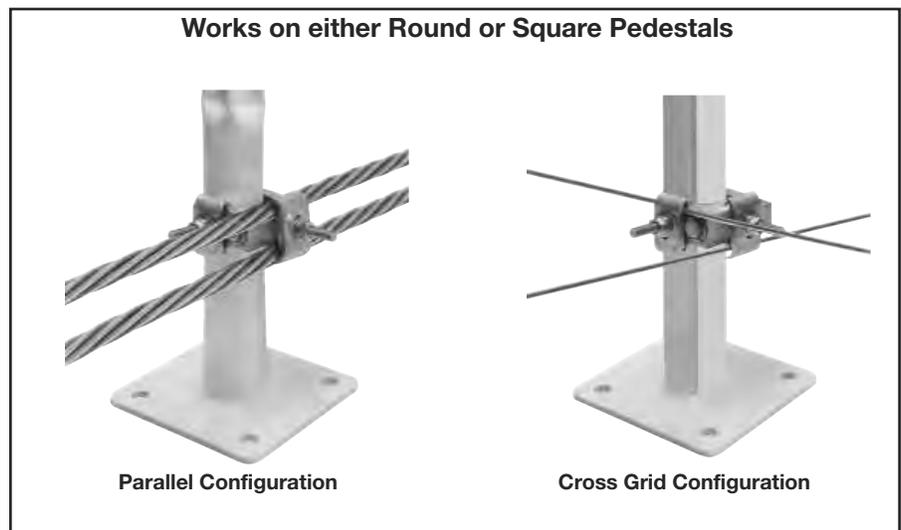
UL Listed for the US and Canadian markets (cULus). A high copper alloy body ensures excellent conductivity and the hardware is made of stainless steel. The connector is also rated for Direct Burial. The versatility of the connector makes it an excellent choice for applications requiring multiple conductor sizes and/or configurations.



Features & Benefits

- Fits a wide range of raised floor pedestals, from 3/4" to 2" (7/8" - 2" round; 3/4" - 1-1/2" square)
- Accepts a wide range of wire sizes, from #6 solid to 4/0 stranded
- Accommodates parallel wires or cross grid arrangements; wires can be installed in cross grid configuration
- Accepts one or two wires in any configuration
- Easy to install—open design eliminates need to disassemble before installing
- One socket size fits all hardware (1/2" socket size)
- Made of high copper alloy
- Stainless steel hardware
- UL Listed for the US and Canadian markets (cULus)
- Rated for Direct Burial

Catalog Number	Copper Conductor Range (Solid or Stranded)	Pedestal Range	Reference Dimensions				Recommended Tightening Torque (in-lb)	
			L	W	H	J	Conductor Saddle (Nut)	Pedestal Clamp (Bolt)
							120	180
GXP1828RF	6 AWG - 4/0 AWG	Round: 7/8" - 2" Square: 3/4" - 1-1/2"	4.53"	3.94"	1.96"	5/16"		

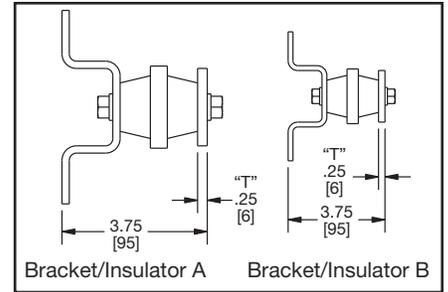
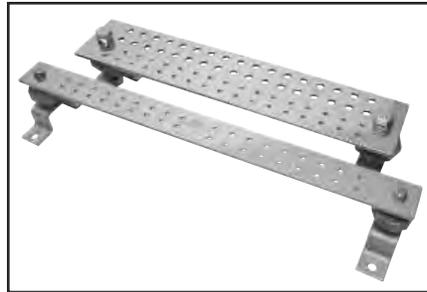


TYPE BBB

BURNDY® BusBar

Copper BusBar

Bare copper BusBar, UL Listed for grounding. Available in many sizes and hole patterns. Brackets and insulators included with most styles. Also available in undrilled, horizontal and vertical versions.

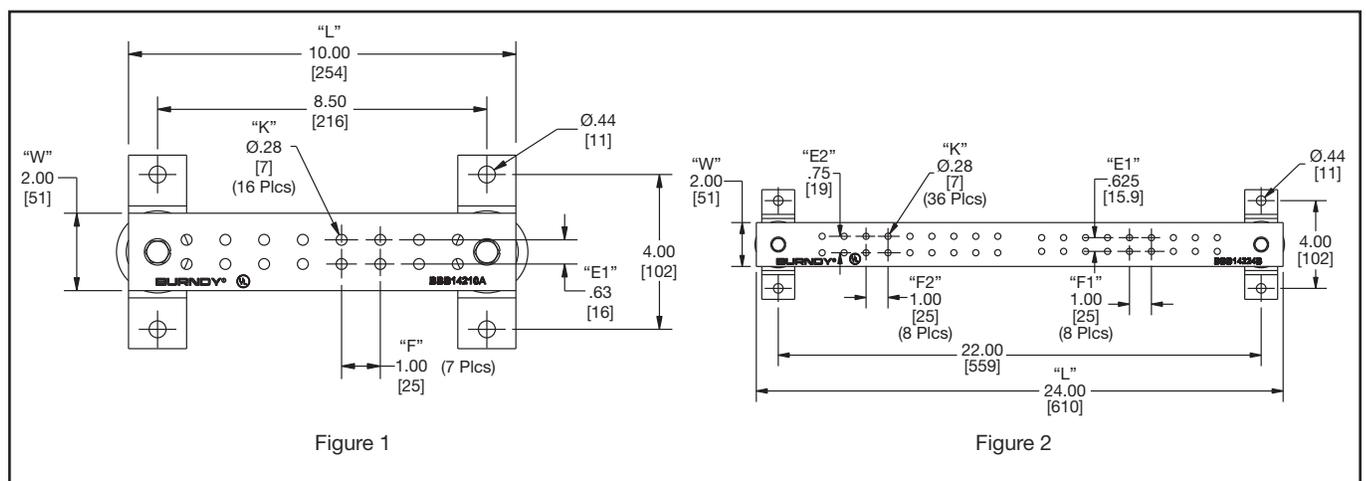


BusBar is used in a variety of applications. Can be used as a common ground point and "power" applications as well.



Catalog Number	Fig. No.	Insulator & Bracket	T - Bar Thickness	W - Bar Width	L - Bar Length	E1	E2	E3	F1	F2	No. of Holes	K
BBB14210A	1	A	1/4"	2"	10"	.63	—	—	1.00	—	16	.28
BBB14224B	2	A	1/4"	2"	24"	.625	.75	—	1.00	1.00	36	.28
BBB14410C	3	A	1/4"	4"	10"	.75	1.00	—	1.25	—	6	6-32 .28
BBB14410D	4	A	1/4"	4"	10"	1.25	1.00	—	1.13	1.13	6	6-32 .28
BBB14412E	5	A	1/4"	4"	12"	.75	—	—	2.00	1.25	18	.44
BBB14412F	6	A	1/4"	4"	12"	1.00	.75	—	2.00	1.25	12	.44 .28
BBB14416G	7	B	1/4"	4"	16"	.75	1.00	—	1.69	—	24	.44
BBB14416H	8	B	1/4"	4"	16"	1.00	1.00	.75	1.69	—	16	.44 .25
BBB14420J	9	B	1/4"	4"	20"	1.00	1.00	.75	1.00	—	34	.44 .25
BBB412UD	N/A	A	1/4"	4"	12"	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BBB424UD	N/A	B	1/4"	4"	24"	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BBBHR19*	N/A	N/A	3/16"	3/4"	19"	.38	Contact Factory for Dimensions					
BBBVR36*	N/A	N/A	1/4"	5/8"	36"	.32						

* Not UL Listed.



(Figures continued on next page)

TYPE BBB

BURNDY® BusBar

Copper BusBar (Continued)

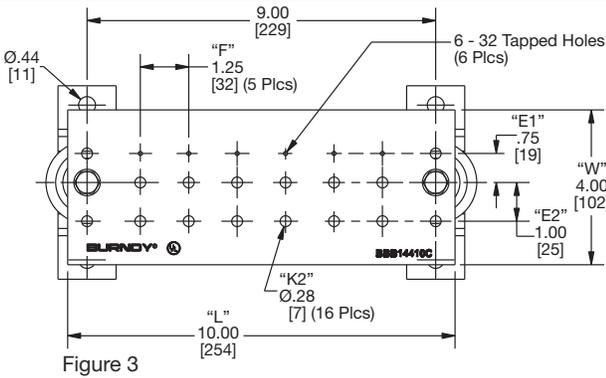
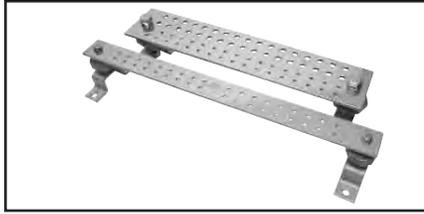


Figure 3

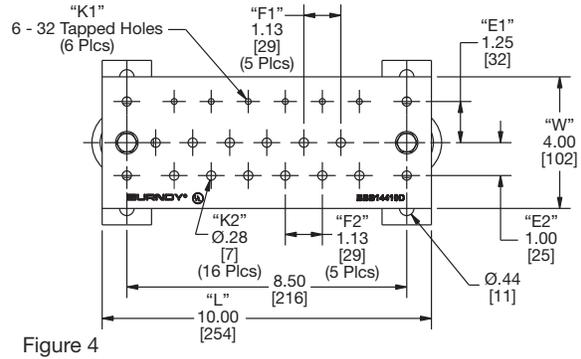


Figure 4

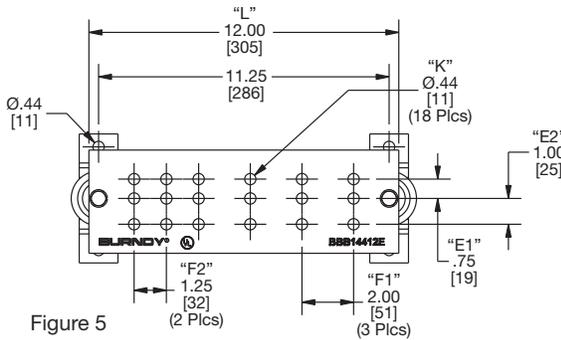


Figure 5

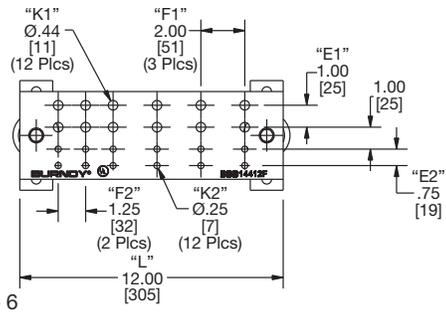


Figure 6

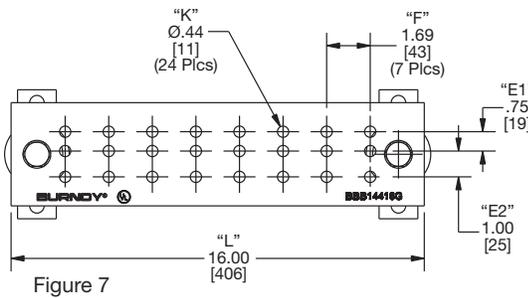


Figure 7

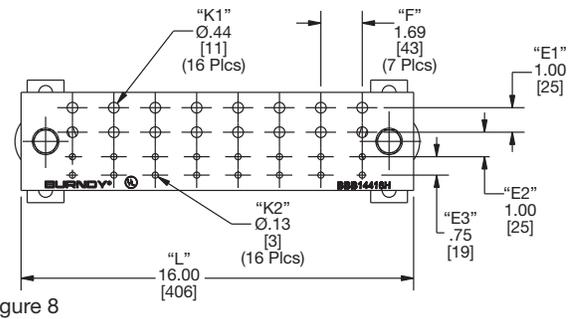


Figure 8

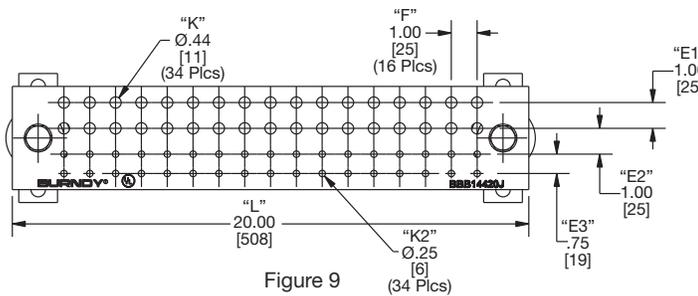


Figure 9

TABLE OF CONTENTS

BURNDYWeld®

<p>BURNDYWeld® Introduction 68</p> <p>Making a BURNDYWeld® Connection 69</p> <p> QIKLITE™ 70</p> <p> WELD METAL 71</p> <p> Type BCC-1 72</p> <p> Type BCC-2 73</p> <p> Type BCC-4 74</p> <p> Type BCC-11 75</p> <p> Type BCC-6 76</p> <p> Type BCC-14 76</p> <p> Type BCC-7 77</p> <p> Type BCR-1 78 RUS Accepted</p> <p> Type BCR-2 78</p> <p> Type BCR-3 80</p> <p> Type BCR-17 81</p>	<p> Type BCR-24 82</p> <p> Single Shot Molds 83</p> <p> Type BCS-1 84</p> <p> Type BCS-8 84</p> <p> Type BCS-2 85</p> <p> Type BCS-9 85</p> <p> Type BCS-3 86</p> <p> Type BCS-23 87</p> <p> Type BCS-4 88</p> <p> Type BCS-6 88</p> <p> Type BCS-7 89</p> <p> Type BCS-18 89</p> <p>BURNDY® GROUNDMAX™ 96 - 97</p> <p>BURNDY® GRIDMAX™ 98</p>
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For mold types or BURNDYWeld® items not shown, please contact factory.

BURNDYWeld®

The BURNDYWeld® connection process is a simple, efficient method of welding copper to copper or copper to steel. One advantage is that NO outside power is required when using the BURNDYWeld® exothermic process. The BURNDYWeld® process uses high temperature reaction of powdered copper oxide and aluminum. The reaction takes place in a semi-permanent graphite mold. These molds will last for fifty or more welds if proper care is given. The reaction takes place very rapidly, therefore the total amount of heat applied to the conductors or surfaces is considerably less than that of brazing or soldering. It is important to remember this when welding to insulated cable or thin wall pipe.

This system is very field friendly, since it is light and portable and requires no outside power source. It requires very little time or skill to obtain an efficient, maintenance free connection when using the BURNDYWeld® process.

For more information visit our website at www.burndy.com.

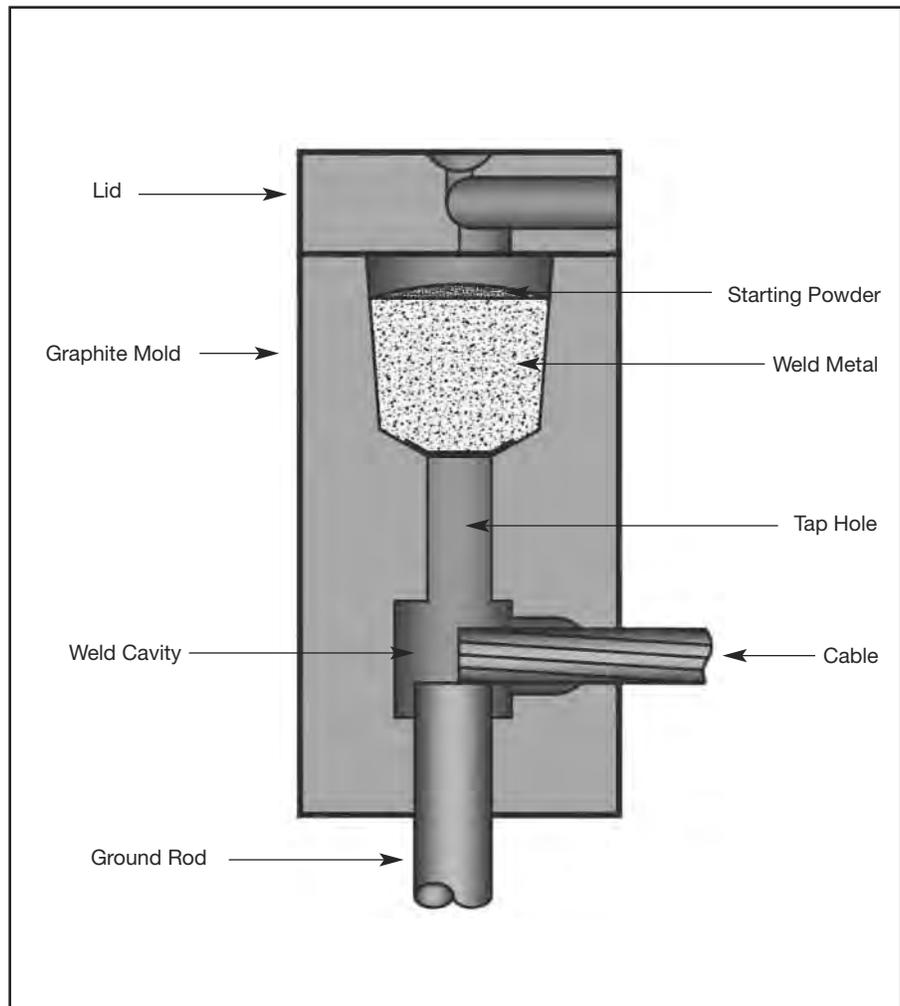
The BURNDYWeld® process has been used to weld materials other than copper for electrical purposes. Materials welded include:

Stainless Steel	Columbium	Brass
Copperweld®	Plain Steel	Bronze
Nichrome V	Everdur®	Niobium
Galvanized Steel	Kama	Chromax
Silicone Bronze	Steel Rail	Cast Iron
Copper Clad Steel	Cor-Ten®	Monel

When welding to galvanized steel it is recommended to resurface exposed bare steel.

The BURNDYWeld® connection is a molecular weld. The weld metal has the same melting point as copper. These factors along with the increased cross section of the connection, BURNDYWeld® connections:

1. Will not be affected by a high current surge. Tests have shown that the electrical conductor will melt before the BURNDYWeld® connection when subjected to high short circuit current. Consult IEEE Standard 837-1989.
2. Will not loosen or corrode at the point of weld. There are no contact surfaces or mechanical pressures involved. A BURNDYWeld® connection becomes an integral part of the conductor.
3. Have a current-carrying capacity equal to or greater than that of the conductors.



For mold types or BURNDYWeld® items not shown, please contact factory.

Making a BURNDYWeld® Connection



Step 1

Position cleaned conductors in mold after making sure mold is dry, by pre-heating or making a test joint.



Step 2

Place metal disc in bottom of mold crucible.



Step 3

Dump powder into crucible, being careful not to loosen all the starting powder.



Step 4

Close lid and place a small amount of starting powder in the ignition pocket.



Step 5

Ignite the starting powder with the Flint Ignitor.



Step 6

Wait 15 seconds, then remove weld and clean mold before making next connection.

For mold types or BURNDYWeld® items not shown, please contact factory.

BURNDYWeld® QIKLITE™

Battery Ignition System

The self-contained unit offers a built-in battery life indicator, 6' ignitor cord, and separate buttons for power and ignition. Also, no starting powder is used with this system so emissions are greatly reduced. QIKLITE™ works with "off-the-shelf" molds and weld metal, so contractors and installers can continue to use the same quality BURNDYWeld® products.

Since the unit operates with standard weld metal and molds, installers also have the option of using a traditional flint ignitor or the new QIKLITE™ system. Another feature is the speed of ignition, with virtually no delay between depressing the "push to operate" button and ignition of the weld metal. This instant ignition feature offers quick reassurance to the installer, without the delay.



Features and Benefits

- The QIKLITE™ system allows installers to make exothermic connections remotely
- Uses standard exothermic molds and weld metal
- Use the new BURNDYWeld® QIKLITE™ System or use a flint ignitor, this versatility makes this system better than anything available in the industry
- Installers have virtually 100% confidence that the connection can be completed, and no wasted material or weld metal shots
- No starting material required—which greatly reduces the amount of emissions generated
- Power is supplied by 4 standard "D" Size batteries
- Built-in battery life indicator
- There's virtually no delay in ignition after depressing the "push to operate" button
- Separate ON/OFF and Operate buttons
- Comes complete with durable 6' heat resistant cord
- Durable, long-lasting design
- QIKSTIK ignitor sticks are conveniently packaged and available separately or available packaged complete with standard weld metal

Catalog Number Standard Cartridge Size with Ignitor	Cartridges/Ignitors Per Box
15Q	20
25Q	20
32Q	10
45Q	20
65Q	20
90Q	10
115Q	10
150Q	10
200Q	10
250Q	10
500Q	10
QIKSTIK*	10

*Ignitor stick only.

Catalog Number	Description
QIKLITE	Battery Ignition System
QIKLITEKIT	QIKLITE™ Battery Ignition System and 20 QIKSTIK Ignitor Sticks



For mold types or BURNDYWeld® items not shown, please contact factory.

WELD METAL

BURNDYWeld® Weld Metal is packed in moisture-resistant plastic cartridges that have tight fitting caps. These cartridges, along with the necessary steel discs, are then packed in boxes that are hermetically-sealed. This ensures the powder arriving in good condition, always dry and ready for fast positive ignition.



BURNDYWeld® Weld Metal comes in several types; one for welding copper to copper, copper to steel, copper to rail, copper to cast iron and one for welding copper to steel for cathodic protection. The size and weight (in grams) of the cartridge are marked on each individual cartridge.

Standard Cartridge Size	Cast Iron Cartridge Size	Cathodic Protection Cartridge Size	Rail Cartridge Size	Cartridges Per Bo
15	15CI	15CP	15R	20
25	25CI	25CP	25R	20
32	32CI	32CP	32R	10
45	45CI	45CP	45R	20
65	65CI	65CP	65R	20
90	90CI	—	90R	10
115	115CI	—	115R	10
150	—	—	150R	10
200	—	—	200R	10
250	—	—	250R	10
500	—	—	500R	10

BURNDYWeld® Weld Metal is sold in box quantities only.

Steel Discs Sold Separately

Weld Metal Size	Catalog Number	Package Quantity
	Steel Discs Only	
15 to 65	B370320-01	20
90 to 115	B370320-02	10
150 to 500	B370320-03	10

For mold types or BURNDYWeld® items not shown, please contact factory.

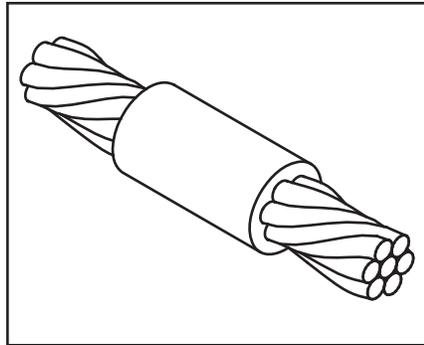
BCC-1 TYPE MOLDS

Horizontal End to End

BCC-1 Type Molds are used for horizontal end to end cable connections.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable	Mold Number	Price Key	Weld Metal	Handle Clamps
#8	Use Type BCC-14 on Page 76	—	—	—
#6	Use Type BCC-14 on Page 76	—	—	—
#4	B-5623	18 † *	25	N/A
#3	B-5624	18 † *	32	N/A
#2	B-5625	18 † *	32	N/A
#1	B-5626	18 † *	32	N/A
1/0	B-205	4	45	B-106
2/0	B-206	4	65	B-106
3/0	B-207	4	90	B-106
4/0	B-208	4	90	B-106
250 kcmil	B-209	4	115	B-106
300 kcmil	B-210	4	115	B-106
350 kcmil	B-211	4	150	B106
500 kcmil	B-213	4	200	B-107
750 kcmil	B-214	5	2-150	B-107
1000 kcmil	B-215	5	2-200	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
 Handle Clamps (see chart for correct handles)
 † Sold complete with handles
 * **B38-0309-00** Flint Ignitor (included)

Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

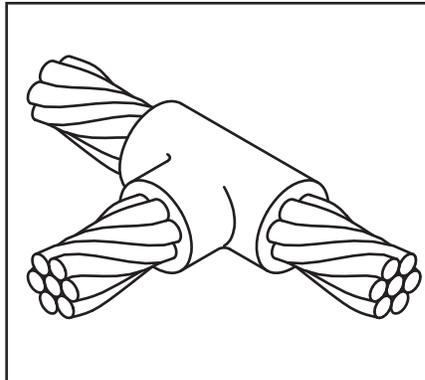
TYPE BCC-2 MOLDS

Horizontal Cable Tap to Horizontal Cable Run

Type BCC-2 Molds are used to join horizontal cable tap to a horizontal run cable.

Size range is #6 through 750 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6	#6	Use Type BCC-14 on Page 76	—	—	—
#4	#4	B-221	4	32	B-106
#2	#2	B-223	4	45	B-106
	#4	B-224	4	45	B-106
#1	#1	B-225	4	45	B-106
	#2	B-226	4	45	B-106
	#4	B-227	4	45	B-106
1/0	1/0	B-228	4	90	B-106
	#1	B-229	4	45	B-106
	#2	B-230	4	45	B-106
2/0	#4	B-231	4	45	B-106
	2/0	B-232	4	90	B-106
	1/0	B-233	4	90	B-106
	#1	B-234	4	45	B-106
3/0	#2	B-235	4	45	B-106
	#4	B-5475	4	45	B-106
	3/0	B-236	4	115	B-106
	2/0	B-237	4	90	B-106
4/0	1/0	B-238	4	90	B-106
	#1	B-239	4	45	B-106
	#2	B-240	4	45	B-106
	#4	B-5574	4	45	B-106
250 kcmil	4/0	B-241	4	150	B-106
	3/0	B-242	4	115	B-106
	2/0	B-243	4	90	B-106
	1/0	B-244	4	90	B-106
	#1	B-245	4	90	B-106
	#2	B-246	4	90	B-106
	#4	B-5021	4	90	B-106
250 kcmil	250 kcmil	B-247	4	150	B-106
	4/0	B-248	4	150	B-106
	3/0	B-249	4	150	B-106
	2/0	B-250	4	90	B-106
	1/0	B-251	4	90	B-106
	#1	B-252	4	90	B-106
	#2	B-253	4	90	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
300 kcmil	300 kcmil	B-254	4	200	B-106
	250 kcmil	B-255	4	150	B-106
	4/0	B-256	4	150	B-106
	3/0	B-257	4	150	B-106
	2/0	B-258	4	90	B-106
	1/0	B-259	4	90	B-106
	#1	B-260	4	90	B-106
	#2	B-261	4	90	B-106
350 kcmil	350 kcmil	B-262	4	200	B-106
	300 kcmil	B-263	4	200	B-106
	250 kcmil	B-264	4	200	B-106
	4/0	B-265	4	150	B-106
	3/0	B-266	4	150	B-106
	2/0	B-267	4	90	B-106
	1/0	B-268	4	90	B106
	#1	B-269	4	90	B-106
500 kcmil	#2	B-270	4	90	B-106
	500 kcmil	B-280	4	2-150	B-106
	350 kcmil	B-282	4	200	B-106
	300 kcmil	B-283	4	200	B-106
	250 kcmil	B-284	4	200	B-106
	4/0	B-285	4	150	B-106
	2/0	B-286	4	90	B-106
	1/0	B-287	4	90	B-106
750 kcmil	#1	B-288	4	90	B-106
	#2	B-289	4	90	B-106
	750 kcmil	B-290	5	500	B-107
	500 kcmil	B-291	5	2-200	B-107
	350 kcmil	B-293	4	250	B-106
	300 kcmil	B-294	4	200	B-106
	250 kcmil	B-295	4	200	B-106
	4/0	B-296	4	150	B-106
750 kcmil	2/0	B-297	4	150	B-106
	1/0	B-298	4	150	B-106

- Required Tools:
- Handle Clamps (see chart for correct handles)
 - B38-0309-00** Flint Ignitor
- Other recommended accessories:
- B40-0319-01** Mold Cleaner for cartridge sizes #15-#65 (pg 101)
 - B40-0319-03** Mold Cleaner for cartridge sizes #90-#500 (pg 101)
 - B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0330-00** Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

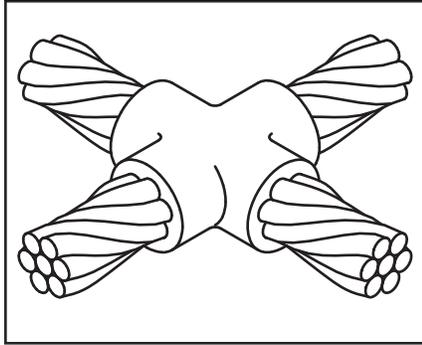
TYPE BCC-4 MOLDS

Horizontal to Horizontal Cable Cross

Type BCC-4 Molds are used to join two horizontal cables at right angles. One cable is cut and the other is a through run.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6	#6	Use Type BCC-11 on Page 75			
#4	#4	B-423	4	45	B-106
#3	#3	B-424	4	45	B-106
#2	#2	B-425	4	65	B-106
	#4	B-426	4	65	B-106
#1	#1	B-427	4	65	B-106
	#2	B-428	4	65	B-106
	#4	B-429	4	65	B-106
1/0	1/0	B-430	4	90	B-106
	#1	B-431	4	90	B-106
	#2	B-432	4	90	B-106
	#4	B-433	4	90	B-106
2/0	2/0	B-434	4	115	B-106
	1/0	B-435	4	115	B-106
	#1	B-436	4	115	B-106
	#2	B-437	4	115	B-106
3/0	3/0	B-438	4	150	B-106
	2/0	B-439	4	150	B-106
	1/0	B-440	4	115	B-106
	#1	B-441	4	115	B-106
4/0	#2	B-442	4	115	B-106
	4/0	B-443	4	200	B-106
	3/0	B-444	4	200	B-106
	2/0	B-445	4	150	B-106
	1/0	B-442	4	150	B-106
	#1	B-447	4	115	B-106
250 kcmil	#2	B-448	4	115	B-106
	250 kcmil	B-449	4	200	B-106
	4/0	B-450	4	200	B-106
	3/0	B-451	4	200	B-106
	2/0	B-452	4	150	B-106
	1/0	B-453	4	150	B-106
#1	#1	B-454	4	115	B-106
	#2	B-455	4	115	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
300 kcmil	300 kcmil	B-456	4	250	B-106
	250 kcmil	B-457	4	250	B-106
	4/0	B-458	4	200	B-106
	3/0	B-459	4	200	B-106
	2/0	B-460	4	150	B-106
	1/0	B-461	4	150	B-106
	#1	B-462	4	115	B-106
	#2	B-463	4	115	B-106
350 kcmil	350 kcmil	B-464	4	250	B-106
	300 kcmil	B-465	4	250	B-106
	250 kcmil	B-466	4	250	B-106
	4/0	B-467	4	200	B-106
	3/0	B-468	4	200	B-106
	2/0	B-469	4	200	B-106
	1/0	B-470	4	200	B-106
	#1	B-471	4	150	B-106
500 kcmil	#2	B-472	4	150	B-106
	500 kcmil	B-483	5	500	B-107
	350 kcmil	B-485	5	2-200	B-107
	300 kcmil	B-486	5	2-200	B-107
	250 kcmil	B-487	5	2-150	B-107
	4/0	B-488	5	2-150	B-107
	3/0	B-489	5	2-150	B-107
	2/0	B-490	4	250	B-106
1/0	1/0	B-491	4	250	B-106
	#1	B-492	4	200	B-106
	#2	B-493	4	200	B-106

Required Tools:

Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor

Other recommended accessories:

- B40-0319-01** Mold Cleaner for cartridge sizes #15-#65 (pg 101)
- B40-0319-03** Mold Cleaner for cartridge sizes #90-#500 (pg 101)
- B38-3922-00** Mold Cleaning Brush (pg 101)
- B38-0135-00** Cable Cleaning Brush (pg 101)
- B38-0330-00** Cable Clamp (pg 101)

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

For mold types or BURNDYWeld® items not shown, please contact factory.

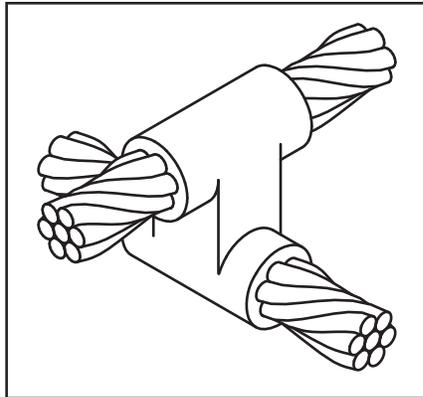
TYPE BCC-11 MOLDS

**Horizontal to Horizontal
 Cable Cross**

Type BCC-11 Molds are used to join uncut horizontal cables at right angles to each other.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6	#6	B-5432	191*	45	N/A
#4	#4	B-2687	4	65	B-106
#2	#2	B-2689	4	90	B-106
	#4	B-2690	4	65	B-106
#1	#1	B-2691	4	115	B-106
	#2	B-2692	4	90	B-106
	#4	B-2693	4	90	B-106
1/0	1/0	B-2694	22	150	B-106
	#1	B-2695	22	150	B-106
	#2	B-2696	22	115	B-106
	#4	B-2697	22	115	B-106
2/0	2/0	B-2698	22	200	B-106
	1/0	B-2699	22	200	B-106
	#1	B-2700	22	150	B-106
3/0	#2	B-2701	22	150	B-106
	#4	B-2702	22	250	B-106
3/0	2/0	B-2703	22	200	B-106
	1/0	B-2704	22	200	B-106
	#1	B-2705	22	150	B-106
	#2	B-2706	22	150	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
4/0	4/0	B-2707	22	250	B-106
	3/0	B-2708	22	250	B-106
	2/0	B-2709	22	200	B-106
	1/0	B-2710	22	200	B-106
	#1	B-2711	22	150	B-106
250 kcmil	#2	B-2712	22	150	B-106
	250 kcmil	B-2713	22	2-150	B-106
	4/0	B-2714	22	2-150	B-106
	3/0	B-2715	22	2-150	B-106
	2/0	B-2716	22	250	B-106
	1/0	B-2717	22	150	B-106
500 kcmil	#1	B-2718	22	200	B-106
	#2	B-2719	22	150	B-106
	500 kcmil	B-2747	23	3-250	B-107
	250 kcmil	B-2751	23	500	B-107
	4/0	B-2752	23	500	B-107
	3/0	B-2753	23	500	B-107
	2/0	B-2754	23	2-200	B-107
	1/0	B-2755	22	2-150	B-106
500 kcmil	#1	B-2756	22	250	B-106
	#2	B-2757	22	250	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

- Required Tools:
- Handle Clamps (see chart for correct handles)
 - † Sold complete with handles
 - * **B38-0309-00** Flint Ignitor
- Other recommended accessories:
- B40-0319-01** Mold Cleaner for cartridge sizes #15-#65 (pg 101)
 - B40-0319-03** Mold Cleaner for cartridge sizes #90-#500 (pg 101)
 - B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0330-00** Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

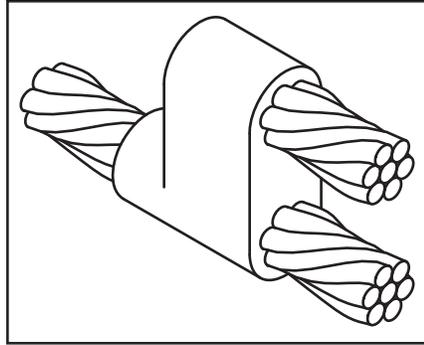
TYPE BCC-6 MOLDS

Horizontal Parallel Tap

Type BCC-6 Molds are used to join horizontal parallel tap to run connections. The tap cable is over the run cable.

Size range is #6 through 4/0 solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6 Sol	#6 Sol	B-1270	4	25	B-106
#6	#6	B-1271	4	25	B-106
#4	#4	B-1272	4	32	B-106
	#6	B-1273	4	32	B-106
	#6 Sol	B-1274	4	32	B-106
#2	#8 Sol	B-1275	4	32	B-106
	#2	B-1276	4	65	B-106
	#4	B-1277	4	45	B-106
	#6	B-1278	4	32	B-106
	#6 Sol	B-1279	4	32	B-106
#1	#8 Sol	B-1280	4	32	B-106
	#1	B-1281	4	65	B-106
	#2	B-1282	4	65	B-106
	#4	B-1283	4	45	B-106
	#6	B-1284	4	45	B-106
	#6 Sol	B-1285	4	45	B-106
#8 Sol	B-1286	4	45	B-106	

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
1/0	1/0	B-1287	4	90	B-106
	#1	B-1288	4	90	B-106
	#2	B-1289	4	65	B-106
	#4	B-1290	4	65	B-106
	#6	B-1291	4	45	B-106
	#6 Sol	B-1292	4	45	B-106
2/0	#8 Sol	B-1293	4	45	B-106
	2/0	B-1294	4	115	B-106
	1/0	B-1295	4	115	B-106
	#1	B-1296	4	90	B-106
	#2	B-1297	4	90	B-106
	#4	B-1298	4	65	B-106
	#6	B-1299	4	65	B-106
	#6 Sol	B-1300	4	65	B-106
	#8 Sol	B-1301	4	65	B-106
	4/0	4/0	B-1302	4	150
2/0		B-1303	4	115	B-106
1/0		B-1304	4	115	B-106
#1		B-1305	4	115	B-106
#2		B-1306	4	115	B-106
#4		B-1307	4	90	B-106
#6		B-1308	4	90	B-106
#6 Sol		B-1309	4	90	B-106
#8 Sol	B-1310	4	90	B-106	

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
 Handle Clamps (see chart for correct handles)
 Sold complete with handles
B38-0309-00 Flint Ignitor

Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)

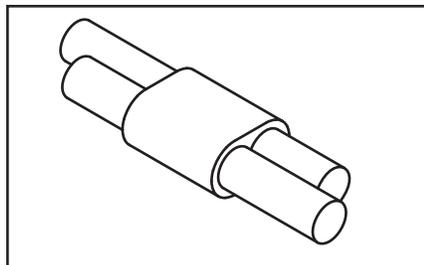
TYPE BCC-14 MOLDS

Horizontal Parallel through Cables

Type BCC-14 Molds are used to join horizontal parallel through run cables. Cables run side by side in the mold.

Size range is #8 through #6 solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#8	#8	B-5709	18+	15	N/A
#6	#6	B-5618	18+	25	N/A

For mold types or BURNDYWeld® items not shown, please contact factory.

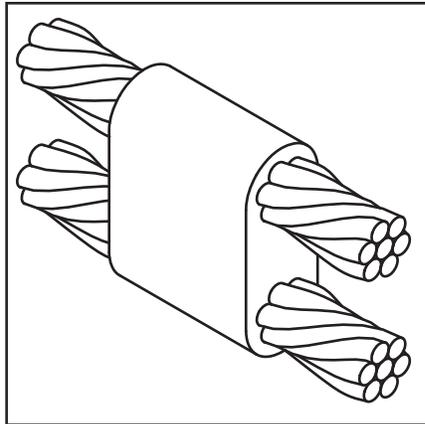
TYPE BCC-7 MOLDS

Horizontal Parallel through Cables

Type BCC-7 Molds are used to join horizontal parallel through run cables. One cable runs above the other cable in the mold.

Size range is #6 through 4/0 solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6	#6	Use Type BCC-14 on Page 76	—	—	—
#4	#4	B-1311	4	32	B-106
	#6	B-5627	4	32	B-106
	#6 Sol	B-8882	4	32	B-106
	#8	B-5629	4	32	B-106
	#8 Sol	B-5630	4	32	B-106
#2	#2	B-1313	4	65	B-106
	#4	B-1314	4	65	B-106
	#6	B-5631	4	45	B-106
	#6 Sol	B-5632	4	45	B-106
	#8	B-5634	4	45	B-106
#1	#8 Sol	B-5635	4	45	B-106
	#1	B-1315	4	65	B-106
	#2	B-1316	4	65	B-106
	#4	B-1317	4	65	B-106
	#6	B-5636	4	65	B-106
1/0	#6 Sol	B-5637	4	65	B-106
	#8	B-5638	4	45	B-106
	#8 Sol	B-5639	4	45	B-106
	1/0	B-1318	4	90	B-106
	#1	B-1319	4	65	B-106
	#2	B-1320	4	65	B-106
	#4	B-1321	4	65	B-106
#6	B-5642	4	65	B-106	
#6 Sol	B-1208	4	65	B-106	
#8	B-5644	4	65	B-106	
#8 Sol	B-5645	4	65	B-106	

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
2/0	2/0	B-1322	4	115	B-106
	1/0	B-1323	4	115	B-106
	#1	B-1324	4	90	B-106
	#2	B-1325	4	90	B-106
	#4	B-5659	4	90	B-106
	#6	B-5342	4	90	B-106
	#6 Sol	B-5652	4	90	B-106
	#8	B-5668	4	65	B-106
3/0	#8 Sol	B-5943	4	65	B-106
	3/0	B-1326	4	150	B-106
	2/0	B-1327	4	150	B-106
	1/0	B-1328	4	115	B-106
	#1	B-1329	4	115	B-106
	#2	B-1330	4	115	B-106
	#4	B-6046	4	115	B-106
	#6	B-5676	4	90	B-106
	#6 Sol	B-5679	4	90	B-106
	#8	B-5680	4	90	B-106
	#8 Sol	B-5682	4	90	B-106
	4/0	4/0	B-1331	4	200
3/0		B-1332	4	200	B-106
2/0		B-1333	4	150	B-106
1/0		B-1334	4	150	B-106
#1		B-1335	4	150	B-106
#2		B-1336	4	150	B-106
#4		B-5340	4	150	B-106
#6		B-5684	4	90	B-106
#6 Sol		B-6552	4	90	B-106
#8		B-5686	4	90	B-106
#8 Sol		B-5688	4	90	B-106

Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor

Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

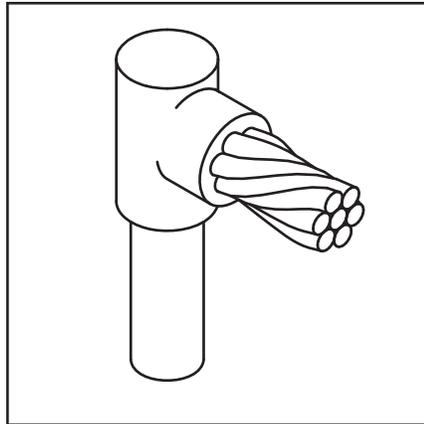
TYPE BCR-1 MOLDS

Horizontal Cable Terminal to Ground Rod

Type BCR-1 Molds are used to terminate horizontal copper cable at the top of a vertical ground rod.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-8402	18†*	25	N/A
	#4	B-8403	18†*	25	N/A
	#2	B-495	4	65	B-106
	#1	B-496	4	65	B-106
	1/0	B-497	4	90	B-106
	2/0	B-498	4	90	B-106
	3/0	B-499	4	90	B-106
	4/0	B-500	4	90	B-106
	250 kcmil	B-501	4	90	B-106
	300 kcmil	B-502	4	90	B-106
5/8"	#6	B-8414	18†	32	N/A
	#4	B-8415	18†	32	N/A
	#2	B-503	4	65	B-106
	#1	B-504	4	65	B-106
	1/0	B-505	4	90	B-106
	2/0	B-506	4	90	B-106
	3/0	B-507	4	90	B-106
	4/0	B-508	4	90	B-106
	250 kcmil	B-509	4	90	B-106
	300 kcmil	B-510	4	115	B-106
	350 kcmil	B-511	4	115	B-106
	500 kcmil	B-513	4	150	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-8422	181*	32	N/A
	#4	B-8426	191*	45	N/A
	#2	B-5781	4	90	B-106
	#1	B-514	4	90	B-106
	1/0	B-515	4	90	B-106
	2/0	B-516	4	90	B-106
	3/0	B-517	4	90	B-106
	4/0	B-518	4	90	B-106
	250 kcmil	B-519	4	90	B-106
	300 kcmil	B-520	4	115	B-106
1"	350 kcmil	B-521	4	115	B-106
	500 kcmil	B-523	4	150	B-106
	750 kcmil	B-524	4	250	B-106
	1/0	B-525	4	150	B-106
	2/0	B-526	4	150	B-106
	3/0	B-527	4	150	B-106
	4/0	B-528	4	150	B-106
	250 kcmil	B-529	4	150	B-106
	300 kcmil	B-530	4	200	B-106
	350 kcmil	B-531	4	200	B-106
	500 kcmil	B-533	4	200	B-106
	750 kcmil	B-534	4	250	B-106
	1000 kcmil	B-535	5	2-150	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copperclad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

- Required Tools:
- Handle Clamps (see chart for correct handles)
 - † Sold complete with handles
 - * **B38-0309-00** Flint Ignitor (included)
- Other recommended accessories:
- B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0304-00** File (pg 102)
 - B38-0330-00** Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

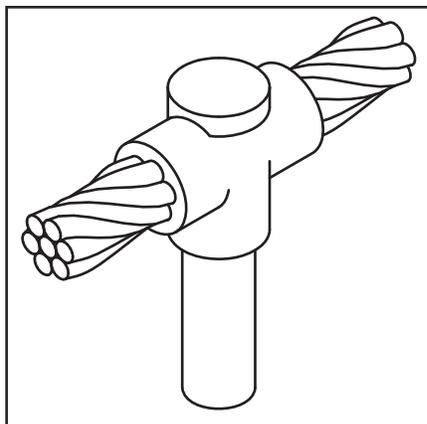
TYPE BCR-2 MOLDS

Horizontal Cable to Ground Rod

Type BCR-2 Molds are used to join horizontal through copper cable to the top of a vertical ground rod.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-8434	181†*	32	N/A
	#4	B-8435	18†*	32	N/A
	#2	B-537	4	90	B-106
	#1	B-538	4	90	B-106
	1/0	B-539	4	90	B-106
	2/0	B-540	4	90	B-106
	3/0	B-541	4	115	B-106
	4/0	B-542	4	115	B-106
	250 kcmil	B-543	4	150	B-106
	300 kcmil	B-544	4	200	B-106
5/8"	#6	B-8441	18†*	32	N/A
	#4	B-8442	18†*	32	N/A
	#2	B-545	4	90	B-106
	#1	B-546	4	90	B-106
	1/0	B-547	4	90	B-106
	2/0	B-548	4	115	B-106
	3/0	B-549	4	115	B-106
	4/0	B-550	4	115	B-106
	250 kcmil	B-551	4	150	B-106
	300 kcmil	B-532	4	200	B-106
350 kcmil	B-553	4	200	B-106	
500 kcmil	B-555	4	250	B-106	

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-8452	19†*	45	N/A
	#4	B-8454	19†*	65	N/A
	#2	B-556	4	90	B-106
	#1	B-557	4	90	B-106
	1/0	B-558	4	115	B-106
	2/0	B-559	4	115	B-106
	3/0	B-560	4	115	B-106
	4/0	B-561	4	115	B-106
	250 kcmil	B-562	4	150	B-106
	300 kcmil	B-563	4	200	B-106
1"	350 kcmil	B-564	4	200	B-106
	500 kcmil	B-566	4	250	B-106
	750 kcmil	B-567	5	2-200	B-107
	1/0	B-569	4	150	B-106
	2/0	B-570	4	150	B-106
	3/0	B-571	4	150	B-106
	4/0	B-572	4	150	B-106
	250 kcmil	B-573	4	200	B-106
	300 kcmil	B-574	4	200	B-106
	350 kcmil	B-575	4	200	B-106
500 kcmil	B-577	4	250	B-106	
750 kcmil	B-578	5	2-200	B-107	
1000 kcmil	B-579	5	500	B-107	

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copperclad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

- Required Tools:
- Handle Clamps (see chart for correct handles)
 - † Sold complete with handles
 - ***B38-0309-00** Flint Ignitor (included)
- Other recommended accessories:
- B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0304-00** File (pg 102)
 - B38-0330-00** Cable Clamp (pg 101)

For mold types or BURNDYWeld® items not shown, please contact factory.

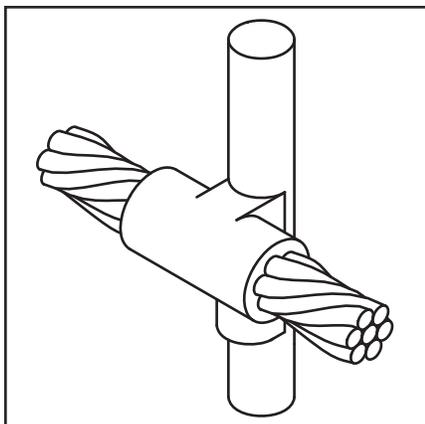
TYPE BCR-3 MOLDS

Horizontal Through Cable to Ground Rod

Type BCR-3 Molds are used to join horizontal through run cable to the side of a vertical ground rod.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-5321	24	65	B-106
	#4	B-2154	24	90	B-106
	#2	B-2155	24	90	B-106
	#1	B-2156	24	115	B-106
	1/0	B-1581	24	115	B-106
	2/0	B-1582	24	115	B-106
	4/0	B-1583	24	150	B-106
	250 kcmil	B-1584	24	150	B-106
5/8"	#6	B-5660	24	65	B-106
	#4	B-2157	24	90	B-106
	#2	B-2158	24	90	B-106
	#1	B-2159	24	115	B-106
	1/0	B-1586	24	115	B-106
	2/0	B-1587	24	115	B-106
	4/0	B-1588	24	150	B-106
	250 kcmil	B-1589	24	150	B-106
	500 kcmil	B-1593	13	2-200	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copperclad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-6630	24	65	B-106
	#4	B-2160	24	90	B-106
	#2	B-2161	24	90	B-106
	#1	B-2162	24	115	B-106
	1/0	B-1594	24	115	B-106
	2/0	B-1595	24	115	B-106
	4/0	B-1596	24	150	B-106
	250 kcmil	B-1597	24	200	B-106
	500 kcmil	B-1601	13	500	B-107
	750 kcmil	B-1602	13	3-250	B-107
1"	#6	B-6906	24	90	B-106
	#4	B-2163	24	90	B-106
	#2	B-2164	24	90	B-106
	#1	B-2165	24	115	B-106
	1/0	B-1603	24	15	B-106
	2/0	B-1604	24	115	B-106
	4/0	B-1605	24	150	B-106
	250 kcmil	B-1606	24	200	B-106
	500 kcmil	B-1610	13	500	B-107
	750 kcmil	B-1611	13	3-250	B-107

- Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
- Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)
B38-0304-00 File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

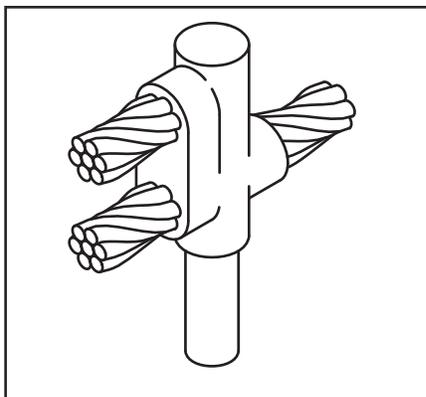
TYPE BCR-17 MOLDS

Horizontal Run and Tap Cables to Ground Rod

Type BCR-17 Molds are used to join horizontal run and tap cables to the top of a vertical ground rod.

Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#4	B-5416	4	90	B-106
	#2	B-6165	4	90	B-106
	#1	B-5830	4	90	B-106
	1/0	B-5940	4	115	B-106
	2/0	B-5850	4	150	B-106
	3/0	B-5833	4	200	B-106
	4/0	B-5380	4	200	B-106
5/8"	#4	B-5972	4	90	B-106
	#2	B-5935	4	115	B-106
	#1	B-5699	4	115	B-106
	1/0	B-5746	4	150	B-106
	2/0	B-5963	4	200	B-106
	3/0	B-5734	4	250	B-106
	4/0	B-5732	4	250	B-106
	250 kcmil	B-5722	5	2-150	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copperclad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#4	B-5698	4	90	B-106
	#2	B-5294	4	115	B-106
	#1	B-5390	4	115	B-106
	1/0	B-6025	4	150	B-106
	2/0	B-5738	4	200	B-106
	3/0	B-6003	4	250	B-106
	4/0	B-2566	4	250	B-106
	250 kcmil	B-5904	5	2-150	B-107
	300 kcmil	B-5857	5	2-200	B-107
	350 kcmil	B-5777	5	2-200	B-107
1"	500 kcmil	B-5961	5	3-200	B-106
	#4	B-5556	4	115	B-106
	#2	B-5555	4	150	B-106
	#1	B-6048	4	150	B-106
	1/0	B-5992	4	200	B-106
	2/0	B-5877	4	250	B-106
	3/0	B-5821	5	2-150	B-107
	4/0	B-5820	5	2-150	B-107
	250 kcmil	B-5804	5	2-200	B-107
	300 kcmil	B-5803	5	500	B-107
	350 kcmil	B-5561	5	500	B-107
	500 kcmil	B-5515	6	3-250	B-107
	750 kcmil	B-5513	6	2-500	B-107

- Required Tools:
- Handle Clamps (see chart for correct handles)
 - B38-0309-00** Flint Ignitor
- Other recommended accessories:
- B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0330-00** Cable Clamp (pg 101)
 - B38-0304-00** File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

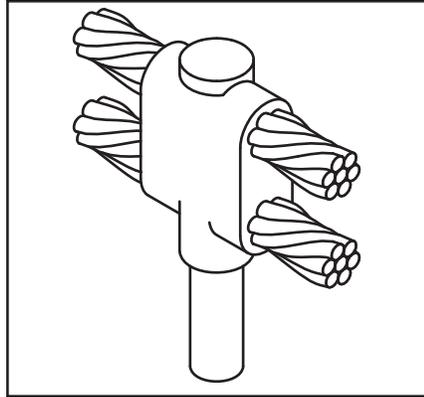
TYPE BCR-24 MOLDS

Horizontal Parallel Run Cables to Ground Rod

Type BCR-24 Molds are used to join horizontal parallel cables to the top of a vertical ground rod.

Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod.

Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#4	B-5640	4	115	B-106
	#2	B-5667	4	115	B-106
	#1	B-6002	4	115	B-106
	1/0	B-5767	4	150	B-106
	2/0	B-5604	4	200	B-106
	3/0	B-5560	4	250	B-106
5/8"	4/0	B-6766	4	250	B-106
	#4	B-6208	4	115	B-106
	#2	B-5702	4	150	B-106
	#1	B-5517	4	150	B-106
	1/0	B-5573	4	200	B-106
	2/0	B-8451	4	250	B-106
	3/0	B-2510	5	2-150	B-107
	4/0	B-5428	5	2-150	B-107
	250 kcmil	B-1212	5	2-200	B-107
	300 kcmil	B-2084	5	500	B-107
	350 kcmil	B-2558	5	500	B-107
	500 kcmil	B-2450	5	3-250	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copperclad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#4	B-8011	4	115	B-106
	#2	B-2320	4	150	B-106
	#1	B-2235	4	150	B-106
	1/0	B-6051	4	200	B-106
	2/0	B-8802	4	250	B-106
	3/0	B-8726	5	2-150	B-107
	4/0	B-5677	5	2-150	B-107
	250 kcmil	B-8461	5	2-200	B-107
	300 kcmil	B-8428	5	500	B-107
	350 kcmil	B-6294	5	500	B-107
	500 kcmil	B-8214	5	3-250	B-107
	750 kcmil	B-8027	6	2-500	B-107
1"	#4	B-5330	4	150	B-106
	#2	B-5332	4	200	B-106
	#1	B-5333	4	200	B-106
	1/0	B-5334	4	250	B-106
	2/0	B-5335	5	2-150	B-107
	3/0	B-5336	5	2-200	B-107
	4/0	B-5337	5	2-200	B-107
	250 kcmil	B-5338	5	500	B-107
	300 kcmil	B-5341	5	3-200	B-107
	350 kcmil	B-5351	5	3-200	B-107
	500 kcmil	B-5352	6	2-500	B-107
	750 kcmil	B-5353	64	5-250	B-107

Required Tools:

Handle Clamps (see chart for correct handles)

B38-0309-00 Flint Ignitor

‡ Crucible B-181 required

Other recommended accessories:

B38-3922-00 Mold Cleaning Brush (pg 101)

B38-0135-00 Cable Cleaning Brush (pg 101)

B38-0330-00 Cable Clamp (pg 101)

B38-0304-00 File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

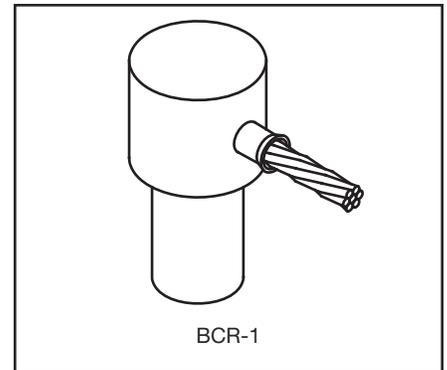
SINGLE SHOT MOLDS

RUS Accepted

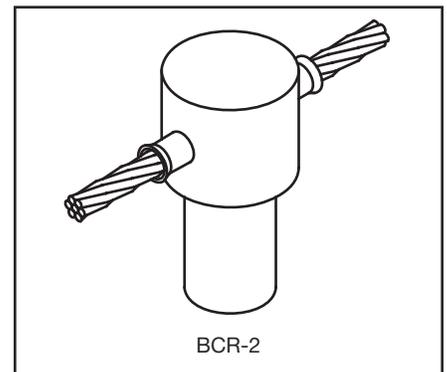
BURNDYWeld® Single Shot Molds are an economical way to make cable connections onto the top of a ground rod. The Single Shot is a disposable single use ceramic mold that comes complete with everything required except the Flint Ignitor.

Ground Rod Size	Cable Size		Type	Mold Number	Cadweld® Part #
	Solid	Stranded			
1/2"	#6, #8	#8	BCR-1 •	BS-2009	GR1-141G
	#3, #4	#4, #6	BCR-1 •	BS-2010	GR1-141L
	#1, #2	#2, #3	BCR-1 •	BS-2011	GR1-141V
	#6, #8	#8	BCR-2 •	BS-2024	GT1-141G
	#3, #4	#4, #6	BCR-2 •	BS-2025	GT1-141L
5/8"	#1, #2	#2, #3	BCR-2 •	BS-2026	GT1-141V
	#6, #8	#8	BCR-1 •	BS-2012	GT1-161G
	#3, #4	#4, #6	BCR-1 •	BS-2013	GT1-141L
	#1, #2	#2, #3	BCR-1 •	BS-2014	GR1-161V
	2/0, 1/0	1/0, #1	BCR-1 •	BS-2015	GR1-162C
		2/0	BCR-1 •	BS-2016	GR1-162G
	#6, #8	#8	BCR-2 •	BS-2027	FRT1-161G
	#3, #4	#4, #6	BCR-2 •	BS-2028	GT1-161L
	#1, #2	#2, #3	BCR-2 •	BS-2029	GT1-161V
	2/0, 1/0	1/0, #1	BCR-2 •	BS-2030	GT1-162C
	#6, #8	#8	BCR-24	BS-2105	NX1-161G
	#3, #4	#4, #6	BCR-14	BS-2106	NX1-161L
	#1, #2	#2, #3	BCR-24	BS-2107	NX1-161V
	#6, #8	#8	BCR-25	BS-2006	NT1-161G
	#3, #4	#4, #6	BCR-25	BS-2007	NT1-161L
#1, #2	#2, #3	BCR-25	BS-2008	NT1-161V	
3/4"	#6, #8	#8	BCR-1	BS-2017	GR1-181G
	#3, #4	#4, #6	BCR-1 •	BS-2018	GR1-181L
	#1, #2	#2, #3	BCR-1 •	BS-2019	GR1-181V
	2/0, 1/0	1/0, #1	BCR-1 •	BS-2020	GR1-182C
		2/0	BCR-1 •	BS-2021	GR1-182G
	#6, #8	#8	BCR-2 •	BS-2031	GT1-181G
	#3, #4	#4, #6	BCR-2 •	BS-2032	GT1-181L
	#1, #2	#2, #3	BCR-2 •	BS-2033	GT1-181V
	2/0, 1/0	1/0, #1	BCR-2 •	BS-2034	T1-182C
	#6, #8	#8	BCR-24	BS-2108	NX1-181G
	#3, #4	#4, #6	BCR-24	BS-2109	NX1-181L
	#1, #2	#2, #3	BCR-24	BS-2110	NX1-181V
	#6, #8	#8	BCR-25 •	BS-2068	NT1-181G
	#3, #4	#4, #6	BCR-25 •	BS-2069	NT1-181L
	#1, #2	#2, #3	BCR-25 •	BS-2070	NT1-181V

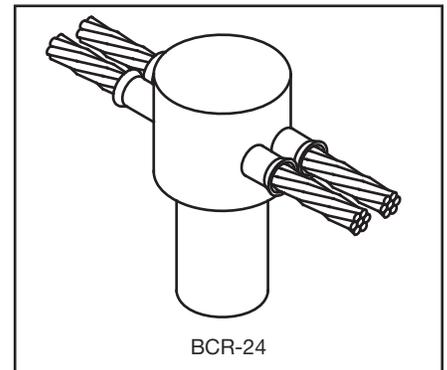
Cadweld® is a registered trademark of the Erico International Corporation.
 • UL Listed.



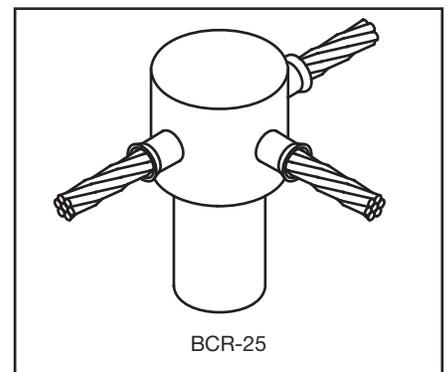
BCR-1



BCR-2



BCR-24



BCR-25

For mold types or BURNDYWeld® items not shown, please contact factory.

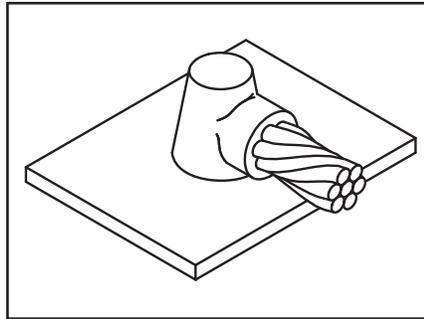
TYPE BCS-1 MOLDS

Horizontal Cable to Horizontal Steel Surface

Type BCS-1 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is **OFF** the surface.

Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
1/0	B-644	4	90	B-106
2/0	B-645	4	90	B-106
3/0	B-646	4	115	B-106
4/0	B-647	4	115	B-106
250 kcmil	B-648	4	115	B-106
300 kcmil	B-649	4	150	B-106
350 kcmil	B-650	4	200	B-106
500 kcmil	B-652	4	200	B-106
750 kcmil	B-653	5	2-150	B-106
1000 kcmil	B-654	5	2-200	B-107

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
- Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)
B38-0101-00 Rasp (pg 102)

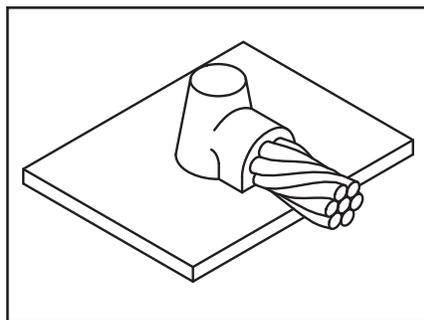
TYPE BCS-8 MOLDS

Horizontal Cable to Horizontal Steel Surface

Type BCS-8 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is **ON** the surface.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-628	3†**	45	N/A
#4	B-629	3†*	45	N/A
#2	B-630	3†*	45	N/A
#1	B-631	3†*	65	N/A
1/0	B-7146	4	90	B-106
2/0	B-7075	4	90	B-106
3/0	B-2199	4	115	B-106
4/0	B-6114	4	115	B-106
250 kcmil	B-2200	4	115	B-106
300 kcmil	B-2506	4	150	B-106
350 kcmil	B-2507	4	200	B-106
500 kcmil	B-2509	4	200	B-106
750 kcmil	B-2542	5	2-150	B-107
1000 kcmil	B-2511	5	2-200	B-107

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
 Handle Clamps (see chart for correct handles)
 † Sold complete with frame
 * **B38-0309-00** Flint Ignitor (included)
- Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0330-00 Cable Clamp (pg 101)
B38-0101-00 Rasp (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

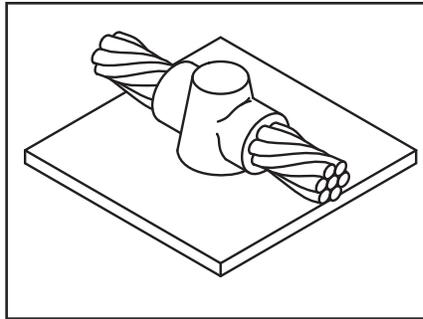
TYPE BCS-2 MOLDS

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-2 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is **OFF** the surface.

Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
1/0	B-616	4	90	B-106
2/0	B-617	4	115	B-106
3/0	B-618	4	115	B-106
4/0	B-619	4	150	B-106
250 kcmil	B-620	4	150	B-106
300 kcmil	B-621	4	200	B-106
350 kcmil	B-622	4	250	B-106
500 kcmil	B-624	5	2-150	B-107
750 kcmil	B-625-H	5	3-250	B-107
1000 kcmil	B-626-H	5	2-500	B-107

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
Handle Clamps (see above for correct handles)
B38-0309-00 Flint Ignitor
- Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

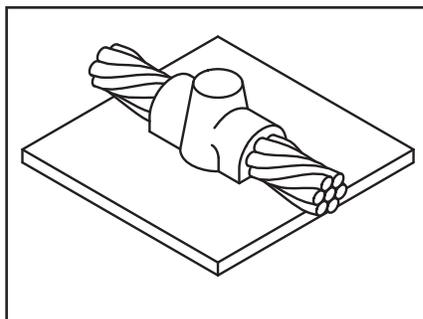
TYPE BCS-9 MOLDS

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-9 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is **ON** the surface.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® Products for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-602	3†*	45	N/A
#4	B-603	3†*	45	N/A
#2	B-604	3†*	45	N/A
#1	B-605	3†*	65	N/A
1/0	B-8379	4	90	B-106
2/0	B-5331	4	115	B-106
3/0	B-8381	4	115	B-106
4/0	B-7192	4	150	B-106
250 kcmil	B-8413	4	150	B-106
300 kcmil	B-8423	4	200	B-106
350 kcmil	B-8410	4	250	B-106
500 kcmil	B-5065	5	2-150	B-107

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
Handle Clamps (see chart for correct handles)
† Sold complete with handle frame
* **B38-0309-00** Flint Ignitor (included)
- Other recommended accessories:
B40-0319-01 Mold Cleaner for cartridge sizes #15-#65 (pg 101)
B40-0319-03 Mold Cleaner for cartridge sizes #90-#500 (pg 101)
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

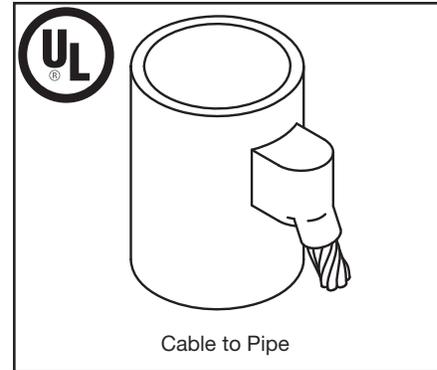
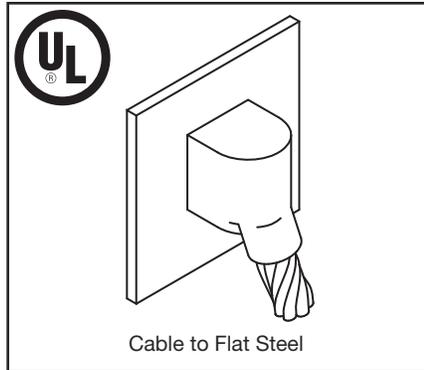
TYPE BCS-3 MOLDS

Angular Cable Drop to Vertical Steel Surface

Type BCS-3 Molds are used to join the end of a copper cable at a 45° angle to a vertical steel surface.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable to Flat Steel

Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-585	4	45	B-106
#4	B-586	4	45	B-106
#3	B-587	4	45	B-106
#2	B-588	4	45	B-106
#1	B-589	4	65	B-106
1/0	B-590	4	90	B-106
2/0	B-591	4	90	B-106
3/0	B-592	4	115	B-106
4/0	B-593	4	115	B-106
250 kcmil	B-594	4	115	B-106
300 kcmil	B-595	4	150	B-106
350 kcmil	B-596	4	200	B-106
500 kcmil	B-598	4	200	B-106
750 kcmil	B-599	5	2-150	B-107
1000 kcmil	B-600	5	2-200	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

Handle Clamps (see chart for correct handles)

B38-0309-00 Flint Ignitor

Other recommended accessories:

Magnetic Clamps to hold molds against vertical steel (pg E-89)

B38-3922-00 Mold Cleaning Brush (pg 101)

B38-0135-00 Cable Cleaning Brush (pg 101)

B38-0101-00 Rasp (pg 102)

Cable to Pipe

Cable Size	Pipe Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#4	1-1/4" to 4"	B-2476	4	45	B-106
	4" to 6"	B-2477	4	45	B-106
	6" to 10"	B-2478	4	45	B-106
	12" & up	B-586 ‡	4	45	B-106
#2 Sol	1-1/4" to 4"	B-9233-S	4	45	B-106
	4" to 6"	B-2480-S	4	45	B-106
	6" to 10"	B-2583-S	4	45	B-106
	12" & up	B-588-S ‡	4	45	B-106
#2	1-1/4" to 4"	B-9233	4	45	B-106
	4" to 6"	B-2480	4	45	B-106
	6" to 10"	B-2583	4	45	B-106
	12" & up	B-588 ‡	4	45	B-106
#1	1-1/4" to 4"	B-2482	4	65	B-106
	4" to 6"	B-2483	4	65	B-106
	6" to 10"	B-2484	4	65	B-106
	12" & up	B-589 ‡	4	65	B-106
1/0	1-1/4" to 4"	B-2486	4	90	B-106
	4" to 6"	B-2487	4	90	B-106
	6" to 10"	B-2488	4	90	B-106
	12" & up	B-590 ‡	4	90	B-106
2/0	1-1/4" to 4"	B-8833	4	90	B-106
	4" to 6"	B-2490	4	90	B-106
	6" to 10"	B-2491	4	90	B-106
	12" & up	B-591 ‡	4	90	B-106
3/0	1-1/4" to 4"	B-2493	4	115	B-106
	4" to 6"	B-2494	4	115	B-106
	6" to 10"	B-2495	4	115	B-106
	12" & up	B-592 ‡	4	115	B-106
4/0	1-1/4" to 4"	B-9021	4	115	B-106
	4" to 6"	B-2497	4	115	B-106
	6" to 10"	B-2498	4	115	B-106
	12" & up	B-593 ‡	4	115	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

Handle Clamps (see chart for correct handles)

B38-0309-00 Flint Ignitor

Other recommended accessories:

B106-32 Vertical Chain Clamp w/ B-106 Handles for 4" Pipe & smaller

B40-0106-27 20" Chain Extension for 4" to 10" Pipe

Use (2) 20" Chain Extensions for pipe sizes between 10" and 16"

B38-3922-00 Mold Cleaning Brush (pg 101)

B38-0135-00 Cable Cleaning Brush (pg 101)

B38-0101-00 Rasp (pg 102)

‡ Flat Surface Mold

For mold types or BURNDYWeld® items not shown, please contact factory.

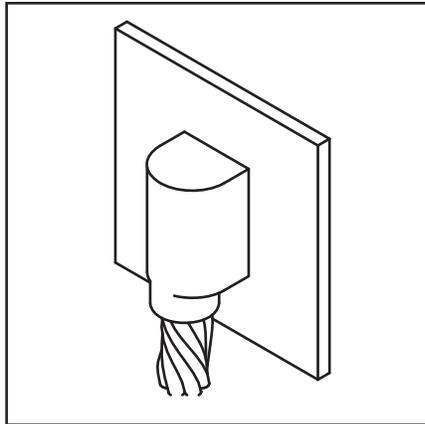
TYPE BCS-23 MOLDS

Vertical Cable Drop to Vertical Steel Surface

Type BCS-23 Molds are used to join vertical cable down to a vertical steel surface. Note that the cable is **OFF** the surface.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-5389	4	45	B-106
#4	B-5359	4	65	B-106
#2	B-2781	4	65	B-106
#1	B-5361	4	90	B-106
1/0	B-2189	4	115	B-106
2/0	B-2540	4	115	B-106
3/0	B-5362	4	150	B-106
4/0	B-8718	4	150	B-106
250 kcmil	B-8165	4	200	B-106
300 kcmil	B-5363	4	200	B-106
350 kcmil	B-9029	4	250	B-106
500 kcmil	B-8512	17	2-150	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor

Other recommended accessories:

Magnetic Clamps to hold molds against vertical steel
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

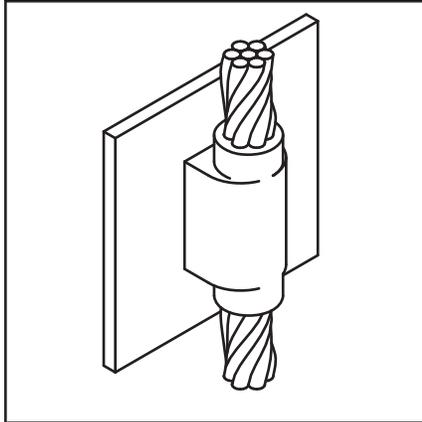
TYPE BCS-4 MOLDS

Vertical Through Cable to Vertical Steel Surface

Type BCS-4 Molds are used to join a vertical through copper cable to a vertical steel surface. Note that the cable is **OFF** the surface. For molds with the cable on the surface, contact BURNDY® Products.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1215	4	90	B-106
#4	B-1216	4	90	B-106
#2	B-1218	4	115	B-106
#1	B-1219	4	115	B-106
1/0	B-1220	17	200	B-106
2/0	B-1221	17	200	B-106
3/0	B-1222	17	250	B-106
4/0	B-1223	17	250	B-106
250 kcmil	B-1224	17	250	B-106
300 kcmil	B-1225-H	6	500	B-107
350 kcmil	B-1226-H	6	3-200	B-107
500 kcmil	B-1228-H	6	3-250	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
 Other recommended accessories:
 Magnetic Clamps to hold molds against vertical steel
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

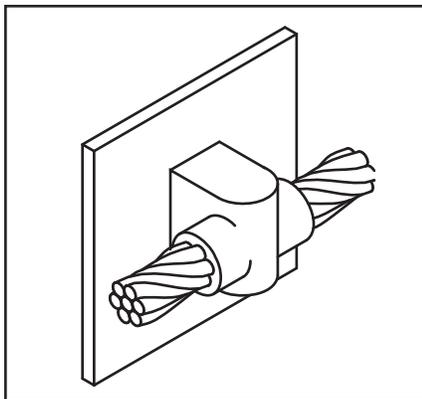
TYPE BCS-6 MOLDS

Horizontal Through Cable to Vertical Steel Surface

Type BCS-6 Molds are used to join horizontal through copper cable to a vertical steel surface. Note that the cable is **OFF** the surface.

Size range is #6 through 250 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1626	4	65	B-106
#4	B-1627	4	65	B-106
#2	B-1628	4	65	B-106
#1	B-1629	4	90	B-106
1/0	B-1630	4	115	B-106
2/0	B-1631	4	115	B-106
3/0	B-1632	4	150	B-106
4/0	B-1633	4	150	B-106
250 kcmil	B-1634	4	150	B-106

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
 Other recommended accessories:
B40-0319-01 Mold Cleaner for cartridge sizes #15-#65 (pg 101)
B40-0319-03 Mold Cleaner for cartridge sizes #90-#500 (pg 101)
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

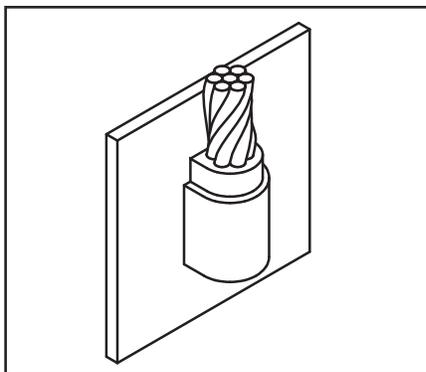
TYPE BCS-7 MOLDS

Overhead Vertical Tap Cable to Vertical Steel Surface

Type BCS-7 Molds are used to join an overhead vertical copper conductor drop tap to a vertical steel surface.

Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1635	4	65	B-106
#4	B-1636	4	65	B-106
#3	B-1637	4	65	B-106
#2	B-1638	4	65	B-106
#1	B-1639	4	90	B-106
1/0	B-1640	4	150	B-106
2/0	B-1641	4	150	B-106
3/0	B-1642	17	200	B-106
4/0	B-1643	17	200	B-106
250 kcmil	B-1644	17	200	B-106
300 kcmil	B-1645	17	250	B-106
350 kcmil	B-1646	6	2-150	B-107
500 kcmil	B-1648	6	2-200	B-107
750 kcmil	B-1649	6	500	B-107
1000 kcmil	B-1650	6	3-200	B-107

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
Other recommended accessories:
Magnetic Clamps to hold molds against vertical steel
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

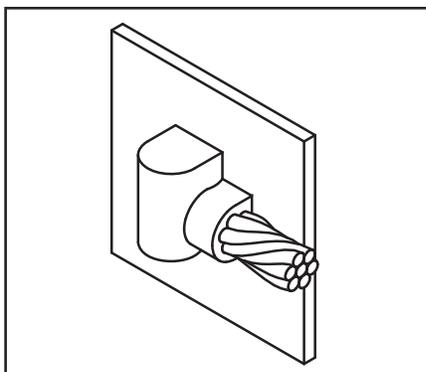
TYPE BCS-18 MOLDS

Horizontal Tap Cable to Vertical Steel Surface

Type BCS-18 Molds are used to connect a horizontal conductor to a vertical steel surface. Note that the cable is **ON** the surface.

Size range is #6 through 500 kcmil solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-5910	4	45	B-106
#4	B-2761	4	45	B-106
#2	B-2569	4	45	B-106
#1	B-6060	4	65	B-106
1/0	B-5419	4	90	B-106
2/0	B-2567	4	90	B-106
3/0	B-6072	4	115	B-106
4/0	B-9253	4	115	B-106
250 kcmil	B-2568	4	115	B-106
300 kcmil	B-6061	4	150	B-106
350 kcmil	B-6067	4	200	B-106
500 kcmil	B-8359	4	200	B-106

NOTE: Add (-R) to mold number for right hand mold or (-L) for left hand mold. Right hand (-R) mold will be furnished if not specified.

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
Other recommended accessories:
Vertical Chain Clamps
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

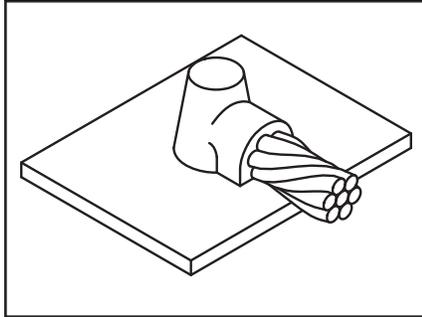
TYPE BCS-5 MOLDS

Horizontal Cable Tap to Horizontal Cast Iron Surface

Type BCS-5 Molds are used to join horizontal cable taps to horizontal cast iron surfaces. Note that the cable is **ON** the surface.

Size range is #6 through #1 solid or concentric stranded copper conductors.

Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6 Sol	B-1613	3+	25CI	N/A
#6	B-1614	3+	25CI	N/A
#4 Sol	B-1615	3+	45CI	N/A
#4	B-1616	3+	45CI	N/A
#2 Sol	B-1617	3+	45CI	N/A
#2	B-1618	3+	45CI	N/A
#1 Sol	B-1619	3+	65CI	N/A
#1	B-1620	3+	65CI	N/A

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

† Sold complete with frame
B38-0309-00 Flint Ignitor (included)

Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0101-00 Rasp (pg 102)

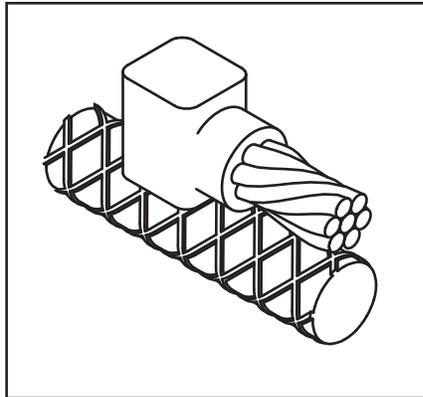
DO NOT use Type BCS-5 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

For mold types or BURNDYWeld® items not shown, please contact factory.

TYPE BCRE-1 MOLDS

Horizontal Parallel Tap to Rebar

Type BCRE-1 Molds are recommended for parallel, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Contact BURNDY® for information on molds for conductors not listed below.

Rebar Size	Cable Size	Mold Number	Packing Material ‡	Price Key	Weld Metal	Handle Clamps
#3	#6	B-7500	B38032900	4	25	B-106
	#4	B-7501	B38032900	4	32	B-106
	#2	B-7502	B38032900	4	45	B-106
	#1	B-7503	B38032900	4	65	B-106
	1/0	B-7504	B38032900	4	90	B-106
	2/0	B-7505	B38032900	4	90	B-106
	3/0	B-7506	B38032900	4	115	B-106
#4 & Larger	4/0	B-7507	B38032900	4	115	B-106
	#6	B-7508	B38406100	3+	25	N/A
	#4	B-7509	B38406100	3+	32	N/A
	#2	B-7510	B38406100	3+	45	N/A
#4	#1	B-7511	B38406100	3+	65	N/A
	1/0	B-7512	B38032900	4	90	B-106
	2/0	B-7513	B38032900	4	90	B-106
	3/0	B-7514	B38032900	4	115	B-106
	4/0	B-7515	B38032900	4	115	B-106
#5	1/0	B-7520	B38032900	4	90	B-106
	2/0	B-7521	B38032900	4	90	B-106
	3/0	B-7522	B38032900	4	115	B-106
	4/0	B-7523	B38032900	4	115	B-106
#6 & Larger	1/0	B-7528	B38406200	14+	90	N/A
	2/0	B-7529	B38406200	14+	90	N/A
	3/0	B-7530	B38406200	14+	115	N/A
	4/0	B-7531	B38406200	14+	115	N/A

‡ PACKING MATERIAL NOTE
 A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for **one** connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:
 Handle Clamps (see chart for correct handles)
 † Sold complete with frame
B38-0309-00 Flint Ignitor

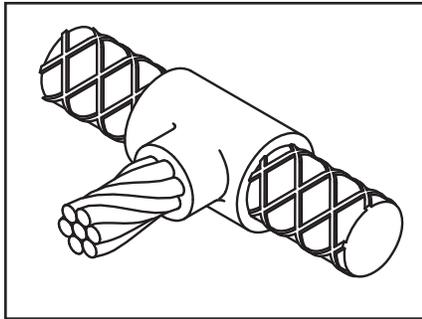
Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0304-00 File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

TYPE BCRE-2 MOLDS

Horizontal Cable Tap to Horizontal Rebar Run

Type BCRE-2 Molds are recommended for right angle, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Contact BURNDY® for information on molds for conductors not listed below.

Rebar Size	Cable Size	Mold Number	Packing Material ‡	Price Key	Weld Metal	Handle Clamps
#3	#6	B-7588	B38032900	4	45	B-106
	#4	B-7589	B38032900	4	45	B-106
	#2	B-7590	B38032900	4	65	B-106
	#1	B-7591	B38032900	4	65	B-106
	1/0	B-7592	B38032900	4	90	B-106
	2/0	B-7593	B38032900	4	90	B-106
	3/0	B-7594	B38032900	4	115	B-106
#4	4/0	B-7595	B38032900	4	115	B-106
	#6	B-7596	B38032900	4	45	B-106
	#4	B-7597	B38032900	4	45	B-106
	#2	B-7598	B38032900	4	65	B-106
	#1	B-7599	B38032900	4	65	B-106
	1/0	B-7600	B38032900	4	90	B-106
	2/0	B-7601	B38032900	4	90	B-106
#5	3/0	B-7602	B38032900	4	115	B-106
	4/0	B-7603	B38032900	4	115	B-106
	#6	B-7604	B38032900	4	90	B-106
	#4	B-7605	B38032900	4	90	B-106
	#2	B-7606	B38032900	4	90	B-106
	#1	B-7607	B38032900	4	90	B-106
	1/0	B-7608	B38032900	4	115	B-106
#6	2/0	B-7609	B38032900	4	115	B-106
	3/0	B-7610	B38032900	4	150	B-106
	4/0	B-7611	B38032900	4	150	B-106
	#6	B-7612	B38032900	4	90	B-106
	#4	B-7613	B38032900	4	90	B-106
	#2	B-7614	B38032900	4	90	B-106
	#1	B-7615	B38032900	4	90	B-106
#6	1/0	B-7616	B38032900	4	115	B-106
	2/0	B-7617	B38032900	4	115	B-106
	3/0	B-7618	B38032900	4	150	B-106
	4/0	B-7619	B38032900	4	150	B-106

‡ PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for **one** connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
 Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor

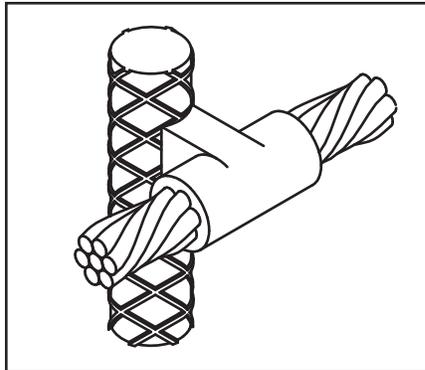
- Other recommended accessories
- B40-0319-01** Mold Cleaner for cartridge sizes #15-#65 (pg 101)
 - B40-0319-03** Mold Cleaner for cartridge sizes #90-#500 (pg 101)
 - B38-3922-00** Mold Cleaning Brush (pg 101)
 - B38-0135-00** Cable Cleaning Brush (pg 101)
 - B38-0304-00** File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

TYPE BCRE-3 MOLDS

Horizontal through Cable to Vertical Rebar

Type BCRE-3 Molds are recommended for horizontal conductors to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Contact BURNDY® for information on molds for conductors not listed below.

Rebar Size	Cable Size	Mold Number	Packing Material ‡	Price Key	Weld Metal	Handle Clamps
#3	#6	B-7620	B38032900	24	90	B-106
	#4	B-7621	B38032900	24	90	B-106
	#2	B-7622	B38032900	24	90	B-106
	#1	B-7623	B38032900	24	115	B-106
	1/0	B-7624	B38032900	24	115	B-106
	2/0	B-7625	B38032900	24	115	B-106
	3/0	B-7626	B38032900	24	150	B-106
#4	4/0	B-7627	B38032900	24	150	B-106
	#6	B-7628	B38032900	24	90	B-106
	#4	B-7629	B38032900	24	90	B-106
	#2	B-7630	B38032900	24	90	B-106
	#1	B-7631	B38032900	24	115	B-106
	1/0	B-7632	B38032900	24	115	B-106
	2/0	B-7633	B38032900	24	115	B-106
#5	3/0	B-7634	B38032900	24	150	B-106
	4/0	B-7635	B38032900	24	150	B-106
	#6	B-7636	B38032900	24	90	B-106
	#4	B-7637	B38032900	24	90	B-106
	#2	B-7638	B38032900	24	90	B-106
	#1	B-7639	B38032900	24	115	B-106
	1/0	B-7640	B38032900	24	115	B-106
#6	2/0	B-7641	B38032900	24	115	B-106v
	3/0	B-7642	B38032900	24	150	B-106
	4/0	B-7643	B38032900	24	150	B-106
	#6	B-7644	B38032900	24	90	B-106
	#4	B-7645	B38032900	24	90	B-106
	#2	B-7646	B38032900	24	90	B-106
	#1	B-7647	B38032900	24	115	B-106
#7 & Larger	1/0	B-7648	B38032900	24	115	B-106
	2/0	B-7649	B38032900	24	115	B-106
	3/0	B-7650	B38032900	24	150	B-106
	4/0	B-7651	B38032900	24	150	B-106
	#6	B-7652	B38406300	4+	90	B-106-41
	#4	B-7653	B38406300	4+	90	B-106-41
	#2	B-7654	B38406300	4+	90	B-106-41
#7 & Larger	#1	B-7655	B38406300	4+	115	B-106-41
	1/0	B-7656	B38406300	4+	115	B-106-41
	2/0	B-7657	B38406300	4+	115	B-106-41
	3/0	B-7658	B38406300	4+	150	B-106-41
	4/0	B-7659	B38406300	4+	150	B-106-41

‡ PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for **one** connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

Handle Clamps (see chart for correct handles)

B38-0309-00 Flint Ignitor

Other recommended accessories:

Vertical Chain Clamps

† **B40-0319-03** Mold Cleaner for cartridge sizes #90-#500 (pg 101)

B38-3922-00 Mold Cleaning Brush (pg 101)

B38-0135-00 Cable Cleaning Brush (pg 101)

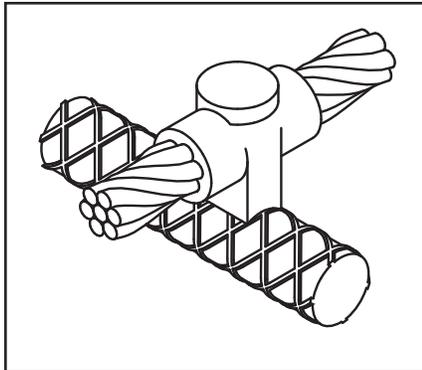
B38-0304-00 File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

TYPE BCRE-4 MOLDS

Horizontal through Cable to Horizontal Rebar

Type BCRE-4 Molds are recommended for horizontal through conductors to horizontal rebar at right angle connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Contact BURNDY® for information on molds for conductors not listed below.

Rebar Size	Cable Size	Mold Number	Packing Material ‡	Price Key	Weld Metal	Handle Clamps
#3	#6	B-7708	B38032900	4	90	B-106
	#4	B-7709	B38032900	4	90	B-106
	#2	B-7710	B38032900	4	90	B-106
	#1	B-7711	B38032900	4	115	B-106
	1/0	B-7712	B38032900	22	115	B-106
	2/0	B-7713	B38032900	22	115	B-106
	3/0	B-7714	B38032900	22	150	B-106
#4	4/0	B-7715	B38032900	22	150	B-106
	#6	B-7716	B38032900	4	90	B-106
	#4	B-7717	B38032900	4	90	B-106
	#2	B-7718	B38032900	4	90	B-106
	#1	B-7719	B38032900	22	115	B-106
	1/0	B-7720	B38032900	22	115	B-106
	2/0	B-7721	B38032900	22	115	B-106
#5	3/0	B-7722	B38032900	22	150	B-106
	4/0	B-7723	B38032900	22	150	B-106
	#6	B-7724	B38032900	4	90	B-106
	#4	B-7725	B38032900	4	90	B-106
	#2	B-7726	B38032900	4	90	B-106
	#1	B-7727	B38032900	22	115	B-106
	1/0	B-7728	B38032900	22	115	B-106
#6 & Larger	2/0	B-7729	B38032900	22	115	B-106
	3/0	B-7730	B38032900	22	150	B-106
	4/0	B-7731	B38032900	22	150	B-106
	#6	B-7732	B38406100	14+	90	N/A
	#4	B-7733	B38406100	14+	90	N/A
	#2	B-7734	B38406100	14+	90	N/A
	#1	B-7735	B38406100	14+	115	N/A
1/0	B-7736	B38406200	14+	115	N/A	
2/0	B-7737	B38406200	14+	115	N/A	
3/0	B-7738	B38406200	14+	150	N/A	
4/0	B-7739	B38406200	14+	150	N/A	

‡ PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for **one** connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

- For sizes not listed, contact BURNDY®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
- For expedited service, contact BURNDY®.

Required Tools:

Handle Clamps (see chart for correct handles)

† Sold complete with frame

B38-0309-00 Flint Ignitor

Other recommended accessories:

B40-0319-03 Mold Cleaner for cartridge sizes #90-#500 (pg 101)

B38-3922-00 Mold Cleaning Brush (pg 101)

B38-0135-00 Cable Cleaning Brush (pg 101)

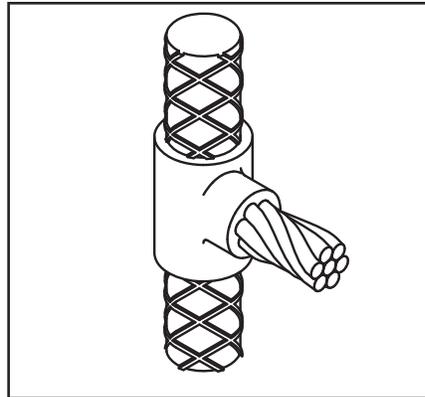
B38-0304-00 File (pg 102)

For mold types or BURNDYWeld® items not shown, please contact factory.

TYPE BCRE-6 MOLDS

Horizontal Cable Tap to Vertical Rebar

Type BCRE-6 Molds are recommended for horizontal conductors terminating at right angles to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Contact BURNDY® for information on molds for conductors not listed below.

Rebar Size	Cable Size	Mold Number	Packing Material ‡	Price Key	Weld Metal	Handle Clamps
#3	#6	B-7884	B38032900	4	90	B-106
	#4	B-7885	B38032900	4	90	B-106
	#2	B-7886	B38032900	4	90	B-106
	#1	B-7887	B38032900	4	115	B-106
	1/0	B-7888	B38032900	4	115	B-106
	2/0	B-7889	B38032900	4	115	B-106
	3/0	B-7890	B38032900	4	150	B-106
#4	4/0	B-7891	B38032900	4	150	B-106
	#6	B-7892	B38032900	4	90	B-106
	#4	B-7893	B38032900	4	90	B-106
	#2	B-7894	B38032900	4	90	B-106
	#1	B-7895	B38032900	4	115	B-106
	1/0	B-7896	B38032900	4	115	B-106
	2/0	B-7897	B38032900	4	115	B-106
#5	3/0	B-7898	B38032900	4	150	B-106
	4/0	B-7899	B38032900	4	150	B-106
	#6	B-7900	B38032900	4	90	B-106
	#4	B-7901	B38032900	4	90	B-106
	#2	B-7902	B38032900	4	90	B-106
	#1	B-7903	B38032900	4	115	B-106
	1/0	B-7904	B38032900	4	115	B-106
#6	2/0	B-7905	B38032900	4	115	B-106
	3/0	B-7906	B38032900	4	150	B-106
	4/0	B-7907	B38032900	4	150	B-106
	#6	B-7908	B38032900	4	90	B-106
	#4	B-7909	B38032900	4	90	B-106
	#2	B-7910	B38032900	4	90	B-106
	#1	B-7911	B38032900	4	115	B-106
#7 & Larger	1/0	B-7912	B38032900	4	115	B-106
	2/0	B-7913	B38032900	4	115	B-106
	3/0	B-7914	B38032900	4	150	B-106
	4/0	B-7915	B38032900	4	150	B-106
	#6	B-7916	B38406300	4	90	B-106-32
	#4	B-7917	B38406300	4	90	B-106-32
	#2	B-7918	B38406300	4	90	B-106-32
#7 & Larger	#1	B-7919	B38406300	4	115	B-106-32
	1/0	B-7920	B38406300	4	115	B-106-32
	2/0	B-7921	B38406300	4	115	B-106-32
	3/0	B-7922	B38406300	4	150	B-106-32
	4/0	B-7923	B38406300	4	150	B-106-32

‡ PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for **one** connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

- For sizes not listed, contact BURNDY®.
 - Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
 - For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®.
 - For expedited service, contact BURNDY®.
- Required Tools:
Handle Clamps (see chart for correct handles)
B38-0309-00 Flint Ignitor
- Other recommended accessories:
B38-3922-00 Mold Cleaning Brush (pg 101)
B38-0135-00 Cable Cleaning Brush (pg 101)
B38-0304-00 File (pg 102)

*The B106-32 comes complete with a B-106 handle clamp and B40-0106-76 vertical chain clamp. Although good for use on all sizes of rebar, vertical chain clamps are strongly recommended on large size rebar as they hold the mold to the rebar securely. If you already have a B-106 handle clamp, you can purchase the vertical chain clamps separately. See page E-91 for a variety of options.

For mold types or BURNDYWeld® items not shown, please contact factory.

**BURNDY®
GROUNDMAX™**

BURNDY® GROUNDMAX™ is an economical solution for areas with very difficult grounding issues. BURNDY® GROUNDMAX™ is highly conductive in a wet or dry application and does not require moisture to lower the resistance of your grounding system. BURNDY® GROUNDMAX™ contains a corrosion inhibitor which forms a film on copper, creating a barrier against corrosion.

BURNDY® GROUNDMAX™ can be poured in dry or pumped in slurry form. No tamping required. It is very contractor friendly. No special tools required.

**BURNDY® GROUNDMAX™
Advantages:**

- Easy to install.
- Electrically conductive.
- Environmentally friendly.
- Will not leach into the ground.
- Positive low resistance, electrical connection to earth.
- Does not contain any hazardous chemicals.
- Compatible with all copper grounding systems.
- Contains a corrosion inhibitor to protect copper.
- Will not expand or shrink.
- Not affected by freezing.
- Excellent shelf life.
- Typical resistivity <10 Ohm-cm

Material Required Per Linear Foot of Trench												
Width of Trench (Inches)												
Thickness of BURNDY® GROUNDMAX™ (Inches)		4	6	8	10	12	14	16	18	20	22	24
	2	4.1	6.2	8.1	10.1	12.1	14.1	16.2	18.2	20.2	22.2	24.2
	3	6.2	9.3	12.1	15.2	18.2	21.2	24.2	27.3	30.3	33.3	36.4
	4	8.2	12.3	16.2	20.2	24.2	28.3	32.3	36.4	40.4	44.5	48.5
	5	10.3	15.4	20.2	25.3	30.3	35.4	40.4	45.5	50.5	55.6	60.6
	6	12.3	18.5	24.2	30.3	36.4	42.4	48.5	54.6	60.6	66.7	72.7
	7	14.4	21.6	28.3	35.4	42.4	49.5	56.6	63.7	70.7	77.8	84.9
	8	16.4	24.7	32.3	40.4	48.5	56.0	64.7	72.7	80.8	88.9	97.0
	9	18.5	27.8	36.4	45.5	54.6	63.7	72.7	81.8	90.9	100.0	109.1
	10	20.6	30.8	40.4	50.5	60.6	70.7	80.8	90.9	101.0	111.1	121.2

To calculate the lbs. of material required to fill a trench:

- Determine desired thickness.
- Move to the right until you are under the known width of the trench. This number will be the weight of the material in lbs./linear ft.
- Take this number and multiply by the length of the trench in feet. Your answer will be the amount of BURNDY® GROUNDMAX™ material required to fill the trench to the desired level in lbs.

Example:

Thickness: = 6 inches
 Width = 18 inches
 54.6 lbs. per linear ft. (from the table above)
 Answer = 54.6 lbs. per linear ft. x 25 ft. trench = 1,365 lbs. of BURNDY® GROUNDMAX™
 = 28 (50 lb.) bags of BURNDY® GROUNDMAX™

For mold types or BURNDYWeld® items not shown, please contact factory.

**BURNDY®
GROUNDMAX™**

Application Information

Vertical Installation

Drill or bore a hole the desired diameter and depth. Suspend ground electrode in center of hole to be filled. Pour BURNDY® GROUNDMAX™ until desired level is obtained. No tamping is required.

Dry Volume of BURNDY® GROUNDMAX™ vs. Hole Size		Ground Resistance Comparison of Bare Rod vs.	
Hole Size	Lbs. of BURNDY® GROUNDMAX™ Per Ft.	Hole Size with 5/8" x 10' Rod in Center of 15' Hole	Percent Resistance Compared to Rod Only (100%)
4"	6.5	4"	52%
6"	14.5	6"	47%
8"	25.8	8"	44%
10"	40.4	10"	42%
12"	58.1	12"	40%

Horizontal or Grid Construction†

Pour into horizontal trench until level of ground wire is reached. Place ground wire. Pour in additional BURNDY® GROUNDMAX™ until wire is covered to desired height. Cover with fill. No tamping required.

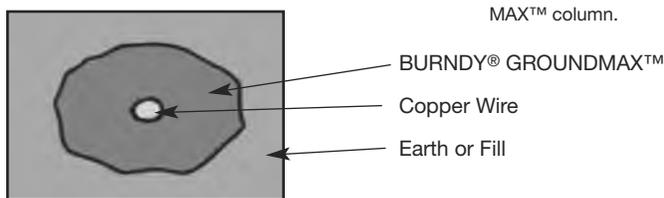
For grid construction, pour BURNDY® GROUNDMAX™ and spread over ground grid until desired thickness is achieved. Cover with fill.

Steady State Leakage Resistance‡ Using 4/0 Copper Wire vs. BURNDY® GROUNDMAX™					
Length	.475" Diameter Wire Only	Percentage of Resistance with .475" Wire Plus BURNDY® GROUNDMAX™ in Various Diameters Compared to Wire Only (100%)			
		2"	3"	4"	6"
25'	100%	83%	78%	74%	69%
50'	100%	85%	81%	77%	73%
75'	100%	86%	82%	79%	75%
100'	100%	87%	83%	80%	77%
150'	100%	88%	84%	82%	78%
200'	100%	88%	85%	83%	79%
250'	100%	89%	85%	83%	80%
300'	100%	89%	86%	84%	80%

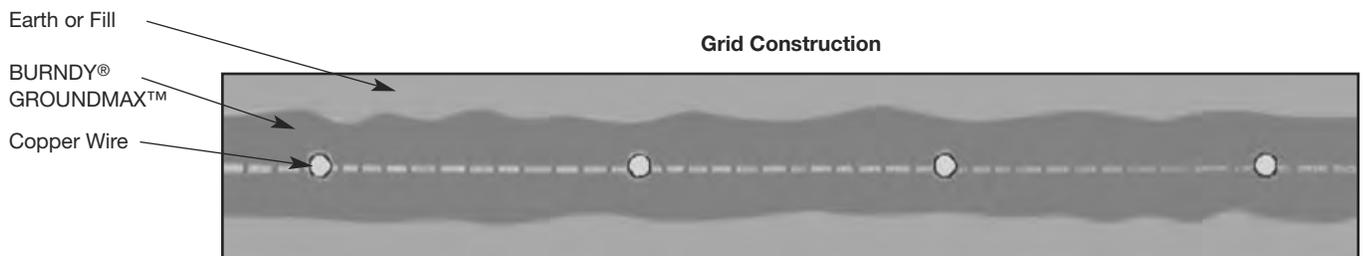
† Entire grounding system should be surrounded by BURNDY® GROUNDMAX™. Conductors should be insulated as they exit BURNDY® GROUNDMAX™ column.

‡ The use of BURNDY® GROUNDMAX™ around the grounding system will also reduce surge impedance by increasing the effective contact area of the electrode to soil.

Horizontal Construction



Grid Construction

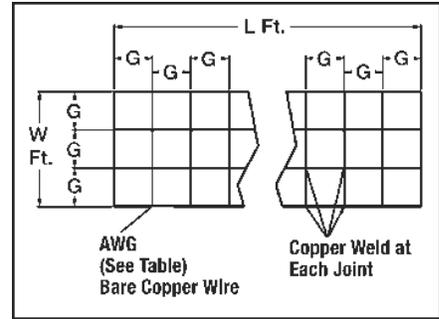
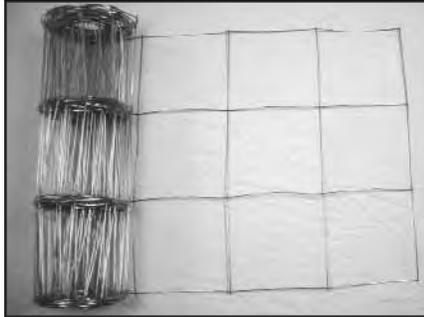


For mold types or BURNDYWeld® items not shown, please contact factory.

BURNDY® GRIDMAX™

PREFABRICATED WIRE MESH

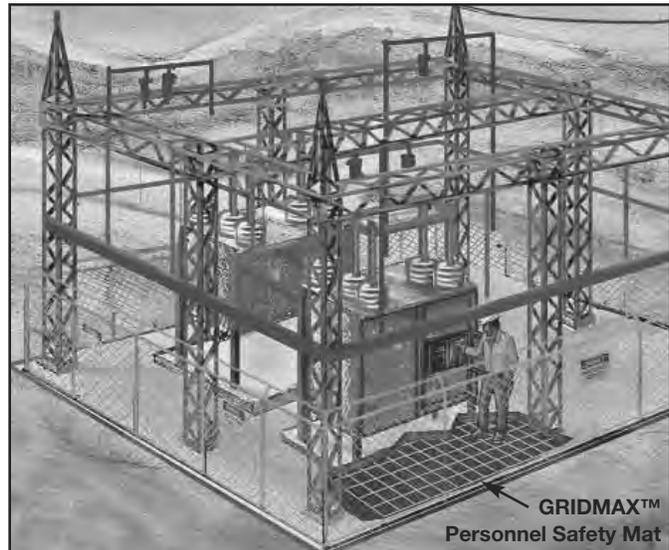
Grounding, Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding



Features and Benefits

- Manufactured from bare solid copper.
- Spaced on 4", 6" or 12" centers.
- Copper to copper weld with 6% silver.
- Furnished in sections with lengths from 4' to 100'.
- Easily and economically installed using BURNDYWeld® HYGROUND® or our Mechanical connectors.
- Sizes made specifically for the Pool and Spa market 3' x 100' and 3' x 50'. But can be used where any large area grounds are required.

Catalog Number	Conductor	Dimensions		
		G (spacing)	L (length)	W (width)
BGM3100	8 AWG	12"	100'	3'
BGM3050	8 AWG	12"	50'	3'
BGM640044	6 AWG	4"	4'	4'
BGM640068	6 AWG	8"	6'	4'
BGM64006	6 AWG	12"	6'	4'
BGM640066	6 AWG	6"	6'	4'

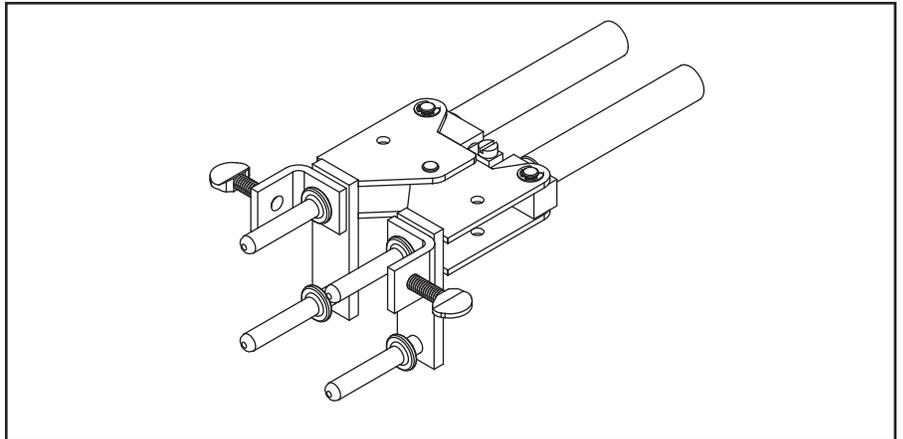


For mold types or BURNDYWeld® items not shown, please contact factory.

B-106 & B-107 HANDLE CLAMPS

BURNDYWeld® Handle Clamps make possible the use of many different sizes and types of molds with only two different clamps. The two handle clamps are catalog numbers **B-106** and **B-107**. These will fit 95% of all standard BURNDYWeld® molds.

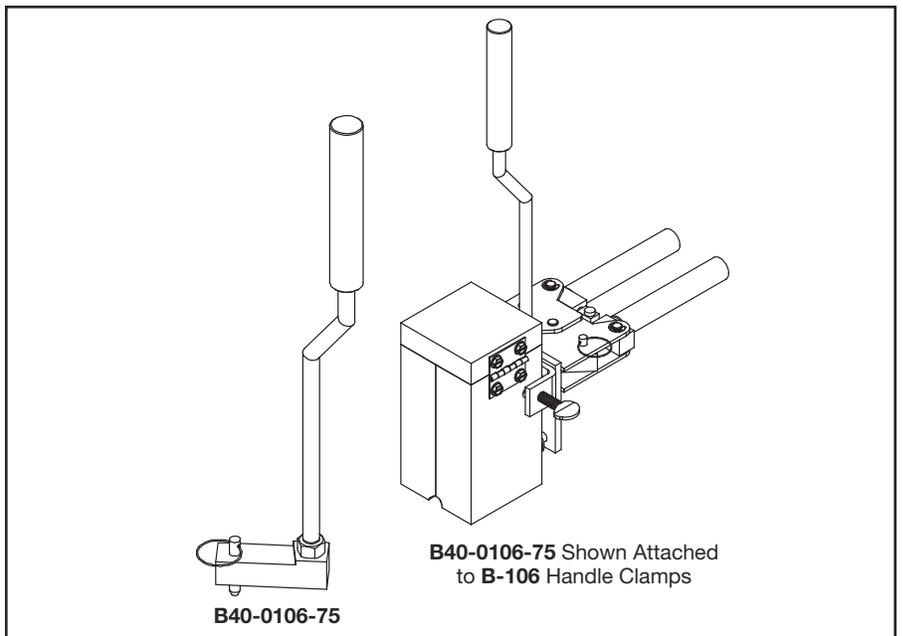
1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" x 3 1/8" square.
2. Use B-107 clamps for all molds having a price key 5, 6, 8 or 23. These molds are a nominal 4" x 4" square.
3. All molds having a price key 2, 3, 9, 10, 11, 12, 14, 15 or 16 have an attached frame; separate handles are not required.



B40-0106-75 HANDLE ATTACHMENT

This Handle Attachment is used to hold Price Key-14 molds in position. It easily attaches to the B-106 Handle Clamp. This Handle Attachment can be used with weld types BCRE-1 and BCRE-4.

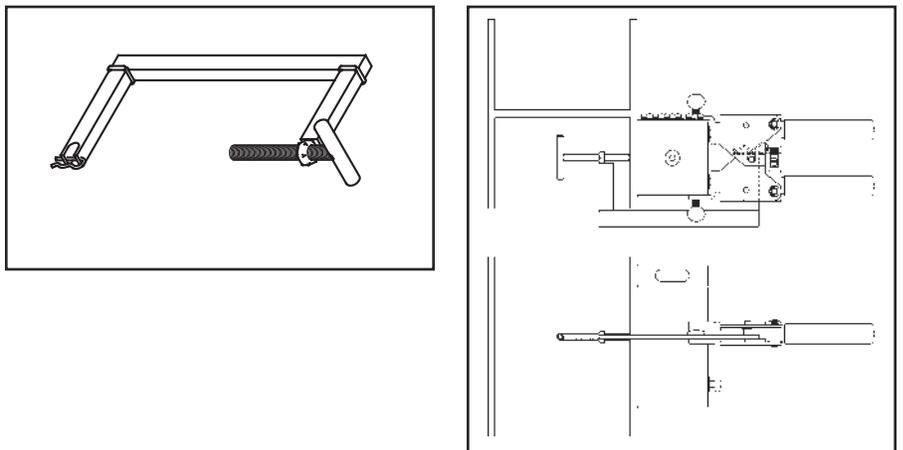
Catalog Number **B40-0106-75**



MOLD SUPPORT CLAMP

The Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types BCS-3, BCS-18, BCS-23 and BCS-27.

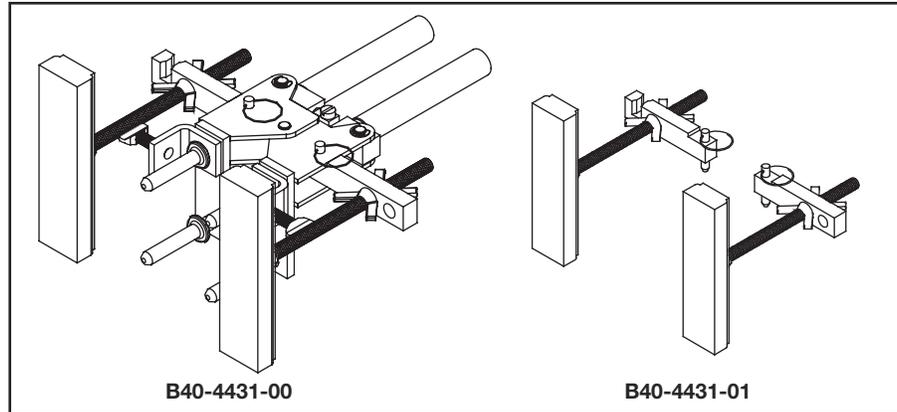
Catalog Number **B40-3657-00**



For mold types or BURNDYWeld® items not shown, please contact factory.

VERTICAL MAGNETIC CLAMPS

Magnetic Clamps are used to hold a mold in position on a vertical steel surface. The magnetic clamp can be purchased complete with B-106 Handle Clamps or if you already have a set of handle clamps, you can order just the magnetic mounting assembly. The mounting assembly can easily be mounted on the prongs of your existing B-106 handle clamps. A minimum of 10" is required.

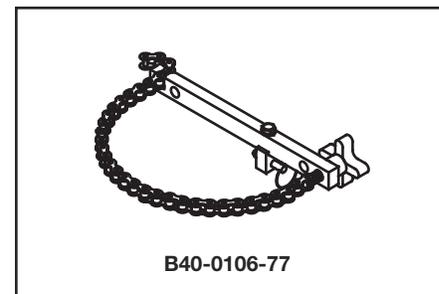
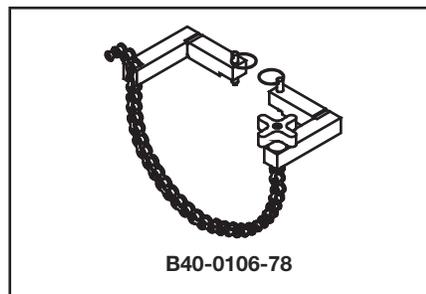
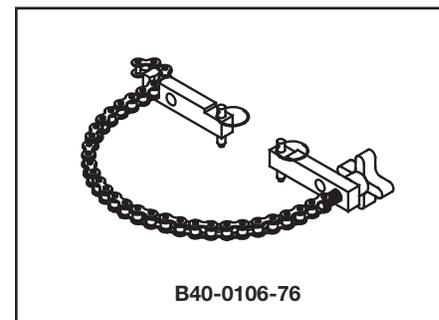
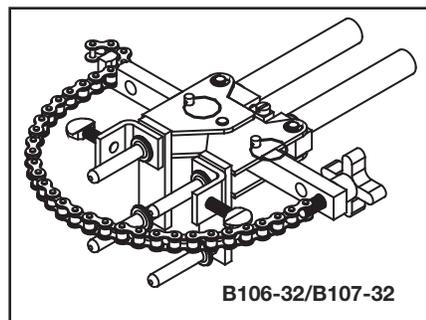


Magnetic Clamps With B106 Handle		
Catalog Number	Fits Molds W/Price Key	For Use With Weld Types
B404431-00	4 & 17	BCS-3, 4, 7 & 23

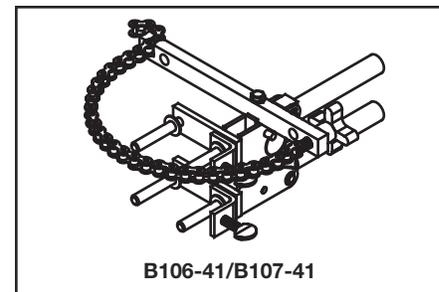
Magnetic Clamp Only		
Catalog Number	Fits Handle Clamps	For Use With Weld Types
B40-4431-01	B-106 & B-107	BCS-3, 4, 7 & 23

HORIZONTAL & VERTICAL CHAIN CLAMPS

Chain Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. For larger pipe a 20" chain extension is available to allow the chain clamps to be used on pipe up to 10" in diameter. The chain clamp can be purchased complete with B-106 or B-107 Handle Clamps or if you already have a set of handle clamps, you can order just the chain clamp and mounting assembly. The mounting assembly can easily be attached to your existing handle clamps. 20" Chain Extension catalog number: B40-0106-27.



Chain Clamps			
Catalog Number	Fits Molds W/Price Key	For Use With Weld Types	Pipe Position
B106-32	4, 17, 22 & 24	BCS-3, 4, 7, 23 & BCRE-6	Vertical
B107-32	5, 6 & 23	BCS-3, 4, 7 & 23	Vertical
B106-37	4, 17, 22 & 24	BCS-1, 2, 5, 8 & 9	Horizontal
B107-37	5, 6 & 23	BCS-1, 2, 5, 8 & 9	Horizontal
B106-41	4, 17	BCS-6, 18 & BCRE-3	Vertical



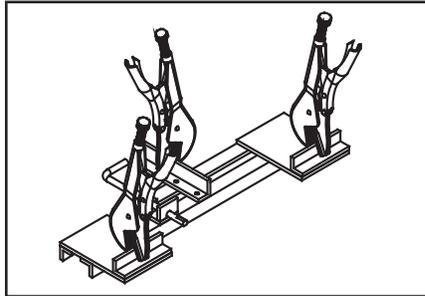
Chain Clamp Only (Handle Clamps Not Included)			
Catalog Number	Fits Handle Clamp	For Use With Weld Types	Pipe Position
B40-0106-76	B-106 & B-107	BCS-3, 4, 7, 23 & BCRE-6	Vertical
B40-0106-78	B-106 & B-107	BCS-1, 2, 5, 8 & 9	Horizontal
B40-0106-77	B-106 & B-107	BCS-6, 18 & BCRE-3	Vertical

For mold types or BURNDYWeld® items not shown, please contact factory.

BURNDYWeld® ACCESSORIES

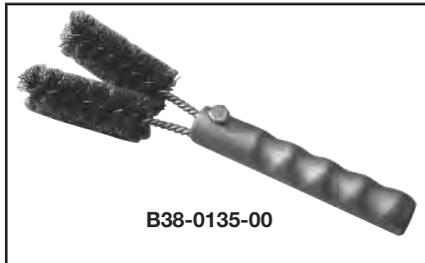
B38-0330-00 CABLE CLAMP

The BURNDYWeld® Cable Clamp is recommended for holding a wide range of cables properly in place in molds when welding cables that are under tension. This prevents the cables from pulling out of the mold when the weld is made.



CABLE CLEANING AND CARD CLOTH BRUSH

The Cable Cleaning Brush is recommended for cleaning heavily oxidized cables. The V-shape brushes permit their use over a wide range of cable sizes. Brush assembly consists of a handle with two stiff wire bristle brushes that are rotatable, for longer life and are replaceable.



B38-0135-00



B38-0306-00

The Card Cloth Brush is used for cleaning large conductors and bus bar. It has short stiff bristles. These brushes are for cleaning cable only, not molds.

The Mold Cleaning Brush **B38-3922-00** is used to clean the graphite mold without scratching the mold.

Cable Cleaning Brush **B38-0135-00**
 Replacement Brush **B38-0135-01**
 Card Cloth Brush **B38-0306-00**
 Mold Cleaning Brush **B38-3922-00**



B38-3922-00

MOLD CLEANERS

Mold Cleaners are used to clean the slag from molds that are not split through the crucible.

- B40-0319-01** for cartridge sizes #15 through #65
- B40-0319-03** for cartridge sizes #90 through #500



PACKING MATERIAL

Packing material is used to prevent the molten weld metal from leaking out of the mold. When the cable opening becomes worn from heavy use, the packing material may be used to prolong mold use. It is also used around 7 strand cable to prevent leaking. Packing material comes in a 1 lb. or 5 lb. package.

Catalog Number	Description
B38412900	1 lb. package
B38412905	5 lb. package



For mold types or BURNDYWeld® items not shown, please contact factory.

BURNDYWeld® ACCESSORIES



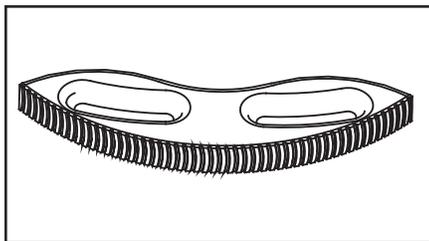
BURNDYWeld® TOOL KIT

- B38-0302-00** Tool Kit with Tools Shown except Rasp
- B38-0302-02** Tool Kit with Tools Shown and Rasp
- B38-0303-00** Tool Box only



BURNDYWeld® TOOLS

- B38-0309-00** Flint Ignitor
- B38-0304-00** 8" File
- B38-0307-00** Crimping Tool
- B38-3922-00** Mold Cleaning Brush
- B38-0308-00** 6" Screwdriver
- B38-0305-00** Wire Brush
- B38-0101-00** Rasp
- B38-0306-00** Card Cloth Brush



B38-0101-00 RASP

This tempered steel, curved rasp is recommended for removing rust and mill scale from steel and cast iron surfaces. The blade is replaceable. To order replacement rasp blade, specify catalog number **B38-0101-01**.

Not recommended for use on galvanized surfaces.



B38-0309-00 FLINT IGNITOR

The B38-0309-00 Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included. For added safety a Flint Ignitor extension is available, catalog number **B38-0904-00**, that attaches to the B38-0309-00 Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **B38-0309-01**.

For mold types or BURNDYWeld® items not shown, please contact factory.

GROUND ROD DRIVING SLEEVES

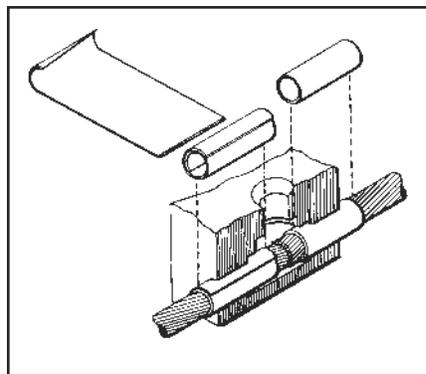
Ground Rod Driving Sleeves are placed over the top of a ground rod while driving it into the ground. This prevents the top from mushrooming or flaring out. Ground rod driving sleeves are available in sizes to fit all standard unthreaded ground rods.



Catalog Number	For Use On
B38-3662-01	1/2" Copper Clad or Steel Ground Rod
B38-3662-02	5/8" Copper Clad Ground Rod
B38-3662-05	5/8" Steel Ground Rod
B38-3662-03	3/4" Copper Clad Ground Rod
B38-3662-06	3/4" Steel Ground Rod
B38-3662-04	1" Copper Clad Ground Rod

SHIM STOCK AND ADAPTER SLEEVES

BURNDYWeld® molds designed for larger cable sizes can be used on smaller diameter cables if copper adapter sleeves or shim stock are utilized. The copper shim stock, .0108" × 1-1/2" × 3", is normally wrapped around cable until the diameter is about equal to the cable opening. A tight fit is not necessary as the shim stock will unwrap slightly and prevent leakage of weld metal. To order shim stock use part number **B38-0329-00**. Shim stock comes 100 pieces per box.



For Use on Cable Size		Part No.	Use in Mold Size	Sleeve Dimensions		
Stranded	Solid			O.D.	I.D.	Length
#12, #14	#10, #12, #14	BA-200	#6 Str & Sol	.156	.111	1.00
#9, #10	#8, #9, #10	BA-208	#4 Sol	.203	.140	1.00
#7, #8, #10	#6, #8	BA-201	#4	.227	.177	1.00
#6	#5	BA-202	#2	.292	.198	1.00
#4, #5	#3, #4	BA-207	#2	.302	.246	1.00
#4	#2	BA-204	#1	.340	.246	1.00
#2	#1	BA-203	1/0	.370	.307	1.00
#1	1/0	BA-209	2/0	.420	.359	1.00
1/0, #1	2/0	BA-205	3/0 & 4/0 Sol	.469	.385	1.00
2/0, 1/0	3/0	BA-240	4/0	.524	.437	1.50
4/0	—	BA-211	300 kcmil	.625	.545	1.25
250 kcmil	—	BA-212	350 kcmil	.677	.595	1.25
350, 400 kcmil	—	BA-213	500 kcmil	.811	.762	1.50
250, 300, 350 kcmil	—	BA-214	500 kcmil	.811	.700	1.50
750, 800 kcmil	—	BA-215	1000 kcmil	1.156	1.05	1.50

For mold types or BURNDYWeld® items not shown, please contact factory.

TROUBLE SHOOTING TIPS

PROBLEM	PROBABLE CAUSE	CORRECTION TO MAKE
Insufficient metal to make weld.	Worn mold resulting in leaking weld metal.	Replace mold. If only worn around conductor opening, use duct seal around conductor. Do not get duct seal into mold cavity.
	Wrong size cartridge for mold.	Check ID plate for mold and compare with number on bottom of cartridge.
	Too much spillage when dumping powder.	Carefully open lid while holding over crucible and dump.
	Wrong mold for conductor being used.	Replace with correct mold. In some applications, shim stock or adapter sleeves can be used to enlarge cable to fit mold.
Mold does not close tightly causing weld metal to leak out.	Handle clamps not properly adjusted.	Remove cotter pin between the handles of the mold and adjust handle tension by backing out the eye bolt.
	Dirt or slag stuck in parting line of mold.	Clean mold thoroughly between connections.
	Bent or out-of-round cable.	Straighten or cut out bad section of cable.
Handle clamps will not lock closed.	Handle clamps not properly adjusted.	Remove cotter pin between the handles of the mold and adjust handle tension by backing out the eye bolt.
Excessively high weld, bubbly or gassy appearance, poor weld.	Moisture in mold.	Pre-heat mold to above 220° F with a propane torch, or ignite a sacrificial shot in mold with pieces of scrap conductor in it. If it is a horizontally split mold, shoot 3/4 of the recommended cartridge to make sure you do not lock up mold.
	Oil, grease, moisture or foreign material on conductors.	Pre-heat conductors with propane torch then use a clean wire brush on conductor to remove any residue left on conductors. If welding to cast iron or steel surface, weld area must be cleaned down to bright metal.
	Duct seal in weld cavity.	Take special precautions to keep duct seal out of weld cavity.
	Weld powder has gotten wet.	Replace with fresh, dry weld powder.
Weld metal blows out top of mold.	Mold worn or chipped around disc seal allowing powder to leak into mold cavity.	Replace mold.
	Forgot to use steel disc or did not seat it properly at bottom of crucible.	Make sure disc is seated at bottom of crucible before pouring the powder into crucible.

TROUBLE SHOOTING TIPS

(Continued)

PROBLEM	PROBABLE CAUSE	CORRECTION TO MAKE
Cannot ignite powder.	Insufficient starting powder in ignition pocket on mold lid.	Place at least half of starting powder in ignition pocket of mold lid. Use all starting powder for each connection.
	Flint ignitor not shooting enough spark.	Clean flint ignitor according to directions on box or replace flint ignitor.
	Starting powder lumped together.	Break up starting powder on lid with edge of powder tube.
	Starting powder has gotten wet.	Remove shot from mold and replace with a dry cartridge.
Mold wearing out too fast.	Improper cleaning of mold.	Use mold cleaner, soft natural bristle brush or clean rag to clean mold between shots. Do not use wire brush or screwdriver on molds.
	Bent or out of round cable causes chipping and premature wear of the mold.	Use caution when closing mold. Do not force mold shut around bent, twisted or out of round conductors.
Poor weld to ground rod.	Weight of mold not supported during reaction causing mold to slip when cable melts.	Use locking pliers on ground rod under mold to support the weight of the mold during the reaction.
	Moisture or contaminant on cable or ground rod.	Pre-heat conductors with propane torch then use a clean wire brush on conductors to remove any residue left on conductors.
Weld will not stick to steel surface.	Improperly cleaned area on steel.	An area larger than the weld area should be cleaned down to bright clean metal.
	Moisture or contaminant on cable or ground rod.	Pre-heat conductors with propane torch then use a clean wire brush on conductors to remove any residue left on conductors.
	Cable is improperly positioned in mold, blocking the flow of weld metal.	Position cable in mold in accordance with directions for mold. If directions are not available, position top of cable in the center of where the liquid weld metal hits the steel.
Weld will not stick to cast iron surface.	All of the causes listed under welding to steel surface also apply to this section.	
	Not using CI (Cast Iron) powder.	Specify "CI" behind cartridge when ordering powder (i.e., 25 CI).
Cable pulls out of mold when it is fired.	Cables are either twisted or under tension.	Use B38-0330-00 cable clamp or other method to remove tension. Cut out severely twisted cable.

TYPES PENETROX™ A, A-13, E AND HT

OXIDE-INHIBITING JOINT COMPOUNDS

PENETROX™ oxide-inhibiting compounds produce low initial contact resistance, seal out air and moisture, prevent oxidation or corrosion, exhibit superior weathering characteristics, are usable over wide temperature ranges, and provide a high conductivity "gas-tight" joint. All PENETROX™ compounds contain homogeneously suspended metal particles. The suspended metal particles assist in penetrating thin oxide films, act as electrical "bridges" between conductor strands, aid in gripping the conductor, improve electrical conductivity and enhance the integrity of the connection.

The specially formulated PENETROX™ compounds are for use with compression and bolted connectors providing an improved service life for both copper and aluminum connections. Additionally, the non-toxic compounds are an excellent lubricant for threaded applications reducing galling and seizing.



PENACARTRIDGE

PENACARTRIDGE is a 1 lb. cartridge filled with PENETROX-A. It's designed to fit standard caulking guns for easy insertion into transmission and distribution connectors. Additionally, this packaging design provides a convenient method for applying PENETROX™ to many different applications.



PENETROX™ A-13

PENETROX™ A-13 is a synthetic base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connection plus aluminum conduit threads. It is compatible with rubber, polyethylene and other insulating materials. UL Listed for all voltages.



PENETROX™ A

PENETROX A is a natural (petroleum) base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connections and aluminum conduit threads. It is not recommended for use with rubber or polyethylene insulated conductors. UL listed to 600V.



PENETROX™ E

PENETROX™ E is a synthetic base compound with evenly suspended copper particles. It is recommended for copper to copper, copper threads and all grounding applications. UL listed.



PENETROX™ HT

PENETROX™ HT is a synthetic silicone based compound with evenly suspended zinc particles and nickel-aluminum alloy particles. It is recommended for aluminum to aluminum connection. It is compatible with rubber. Designed for use with High Temperature ACSS and ACCC connectors. Not UL Listed.

PENETROX A, A-13, E AND HT

TECHNICAL INFORMATION

PENETROX A

PENETROX A consists of a natural (petroleum) base vehicle in which zinc particles are suspended. For aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. It is not recommended for use with rubber and polyethylene insulated conductors. UL Listed to 600 volts.

PENETROX A-13

PENETROX A-13 consists of a non-petroleum base vehicle in which zinc particles are suspended. Recommended for aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. Compatible with insulating materials such as rubber, or polyethylene. UL Listed and recommended for all voltages.

PENETROX E

PENETROX E consists of a non-petroleum base vehicle in which copper granules are suspended. Recommended for copper to copper applications, grounding and for use on copper conduit threads. UL Listed.

PENETROX HT

PENETROX HT consists of a non-petroleum base vehicle in which zinc and nickel-aluminum particles are suspended. Recommended for use with aluminum to aluminum High Temperature rated ACSS and ACCC conductors. Not UL Listed.

Easy to apply:

1. Scratch brush the conductor surfaces until bright and clean.
2. Immediately apply PENETROX™ to the conductive surfaces.
3. For EHV applications, remove all excess PENETROX™ after installation is complete.



SHELF LIFE

When stored in its original container in cool (under 100°F) dry environment, PENETROX™ oxide inhibiting compound will remain workable and functional for 5 years from the date marked on the container provided it is mixed per instructions prior to use.

PROPERTIES OF PENETROX™

Property	Value PENETROX™ Definition	PENETROX™ HT	PENETROX™ E & A13	PENETROX™ A
Penetration (Unworked)	The value in accordance to ASTM D217 indicates the consistency of a grease. The higher the number, the softer the grease.	240	250	230
Dropping Point (Minimum)	The temperature at which the grease passes from the semi-solid to a liquid state under test conditions.	>580° F	500° F	230° F
Pour Point (Maximum)	The lowest temperature at which the compound will flow. Pour point is the lubricant's ability to perform in cold conditions.	-58° F	-10° F	-15° F

* MSDS sheets available through customer service.

ORDERING INFORMATION

Catalog Number				Container Type	Container Size
PENETROX™ A	PENETROX™ A-13	PENETROX™ E	PENETROX™ HT		
PENA 1/2	—	—	—	Tube	1/2 oz.
PEN A-4	PEN A13-4	PEN E-4	PENHT-4	Squeeze Bottle	4 oz.
P8A	PEN A13-8	PEN E-8	PENHT-8	Squeeze Bottle	8 oz.
PENACARTRIDGE	PENA13CARTRIDGE	—	PENHT-1LB	Cartridge	1 lb.*
PEN A-QT	PEN A13-QT	PEN E-QT	—	Plastic Tub	1 Quart
PEN A-GAL	PEN A13-GAL	PEN E-GAL	PENHT-GAL	Can	1 Gallon
PEN A-5GAL	PEN A13-5GAL	PEN E-5GAL	—	Pail	5 Gallons
PEN A-55GAL	PEN A13-55GAL	PEN E-55GAL	—	Drum	55 Gallons

* 1 lb. cartridge will fit standard caulking guns.



HARDWARE DATA

RECOMMENDED TIGHTENING TORQUE

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant and correspond to NEMA recommendations.

Copper alloy connectors have hardware made of DURIMUM™, which is BURNDY's trade name for silicon bronze alloy ASTMB99 type B. This material was first introduced by BURNDY® in 1927 for use in outdoor construction, and today, is the standard throughout the industry.

DURIMUM™ and Steel Hardware		Aluminum Hardware	
Bolt Size	Recommended Torque (Inch Pounds)	Bolt Size	Recommended Torque (Inch Pounds)
1/4 - 20	80	1/2 - 13	300
5/16 - 18	180	5/8 - 11	480
3/8 - 16	240	3/4 - 10	650
1/2 - 13	480		
5/8 - 11	660		
3/4 - 10	1,050		

Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Both nuts and bolts are lubricated to eliminate

galling and to provide consistent clamping forces.

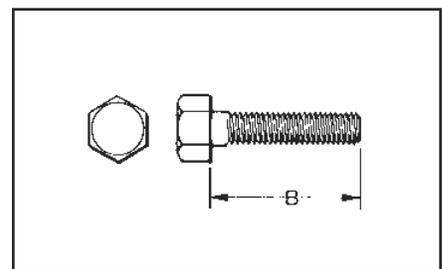
To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

DURIMUM™ BOLT

SILICON BRONZE

BURNDY® introduced silicon-bronze bolts, nuts, and other hardware items on outdoor connector applications in 1927. Today the DURIMUM™ trademark is a standard for this use.

DURIMUM™ bolts combine high strength with corrosion resistance. **Bolts up to 2 inches long are fully threaded; longer bolts are threaded for two inches.** Heads have Amer-



ican Standard dimension, and the threads are per American National Coarse Series, Class #2 fit. The silicon bronze is per ASTM B99.

Catalog Number	Thread Size	B Length	Catalog Number	Thread Size	B Length	Catalog Number	Thread Size	B Length
25x50 HEB BOX	1/4-20	1/2"	38x125 HEB BOX	3/8-16	1-1/4"	50x300 HEB BOX	1/2-13	3"
25x62 HEB BOX	1/4-20	5/8"	38x150 HEB BOX	3/8-16	1-1/2"	50x325 HEB BOX	1/2-13	3-1/4"
25x75 HEB BOX	1/4-20	3/4"	38x175 HEB BOX	3/8-16	1-3/4"	50x350 HEB BOX	1/2-13	3-1/2"
25x100 HEB BOX	1/4-20	1"	38x200 HEB BOX	3/8-16	2"	50x375 HEB BOX	1/2-13	3-3/4"
25x125 HEB BOX	1/4-20	1-1/4"	38x225 HEB BOX	3/8-16	2-1/4"	50x400 HEB BOX	1/2-13	4"
25x150 HEB BOX	1/4-20	1-1/2"	38x250 HEB BOX	3/8-16	2-1/2"	50x450 HEB BOX	1/2-13	4-1/2"
25x200 HEB BOX	1/4-20	2"	38x275 HEB BOX	3/8-16	2-3/4"	50x500 HEB BOX	1/2-13	5"
25x250 HEB BOX	1/4-20	2-1/2"	38x300 HEB BOX	3/8-16	3"	50x550 HEB BOX	1/2-13	5-1/2"
25x300 HEB BOX	1/4-20	3"	38x325 HEB BOX	3/8-16	3-1/4"	50x600 HEB BOX	1/2-13	6"
31x50 HEB BOX	5/16-18	1/2"	38x350 HEB BOX	3/8-16	3-1/2"	62x100 HEB BOX	5/8-11	1"
31x62 HEB BOX	5/16-18	5/8"	38x400 HEB BOX	3/8-16	4"	62x125 HEB BOX	5/8-11	1-1/4"
31x75 HEB BOX	5/16-18	3/4"	38x450 HEB BOX	3/8-16	4-1/2"	62x150 HEB BOX	5/8-11	1-1/2"
31x100 HEB BOX	5/16-18	1"	38x500 HEB BOX	3/8-16	5"	62x175 HEB BOX	5/8-11	1-3/4"
31x125 HEB BOX	5/16-18	1-1/4"	44x150 HEB BOX	7/16-14	1-1/2"	62x200 HEB BOX	5/8-11	2"
31x150 HEB BOX	5/16-18	1-1/2"	44x200 HEB BOX	7/16-14	2"	62x225 HEB BOX	5/8-11	2-1/4"
31x175 HEB BOX	5/16-18	1-3/4"	50x75 HEB BOX	1/2-13	3/4"	62x250 HEB BOX	5/8-11	2-1/2"
31x200 HEB BOX	5/16-18	2"	50x100 HEB BOX	1/2-13	1"	62x275 HEB BOX	5/8-11	2-3/4"
31x250 HEB BOX	5/16-18	2-1/2"	50x125 HEB BOX	1/2-13	1-1/4"	62x300 HEB BOX	5/8-11	3"
31x300 HEB BOX	5/16-18	3"	50x150 HEB BOX	1/2-13	1-1/2"	62x325 HEB BOX	5/8-11	3-1/4"
38x50 HEB BOX	3/8-16	1/2"	50x175 HEB BOX	1/2-13	1-3/4"	62x350 HEB BOX	5/8-11	3-1/2"
38x62 HEB BOX	3/8-16	5/8"	50x200 HEB BOX	1/2-13	2"	62x400 HEB BOX	5/8-11	4"
38x75 HEB BOX	3/8-16	3/4"	50x225 HEB BOX	1/2-13	2-1/4"	62x450 HEB BOX	5/8-11	4-1/2"
38x88 HEB BOX	3/8-16	7/8"	50x250 HEB BOX	1/2-13	2-1/2"	62x500 HEB BOX	5/8-11	5"
38x100 HEB BOX	3/8-16	1"	50x275 HEB BOX	1/2-13	2-3/4"	62x600 HEB BOX	5/8-11	6"

DURIUM™ NUT

SILICON BRONZE

DURIUM™ hexagon regular nuts are non-magnetic and are made to American Standard dimensions. American National Coarse Series threads, #2 fit.

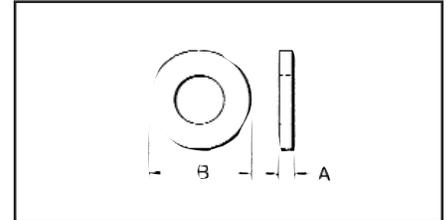


Catalog Number	Thread Size
25C HEN BOX	1/4-20
31C HEN BOX	5/16-18
38C HEN BOX	3/8-16
44C HEN BOX	7/16-14
50C HEN BOX	1/2-13
62C HEN BOX	5/8-11

DURIUM™ FLAT WASHER

SILICON BRONZE

High strength DURIUM™ Flat Washers are non-magnetic and free from galvanic action when in contact with copper. Conforms to SAE standards.



Catalog Number	For Bolt Size	Nominal Dimensions in Inches	
		A	B
25 FW BOX	1/4	1/16	5/8
31 FW BOX	5/16	1/16	11/16
38 FW BOX	3/8	1/16	13/16
44 FW BOX	7/16	1/16	15/16
50 FW BOX	1/2	3/32	1-1/16
62 FW BOX	5/8	3/32	1-5/16

DURIUM™ SPLIT LOCKWASHER

SILICON BRONZE

DURIUM™ spring type lockwasher has high resiliency and exerts constant pressure on the face of the nut, preventing vibration from loosening the nut.

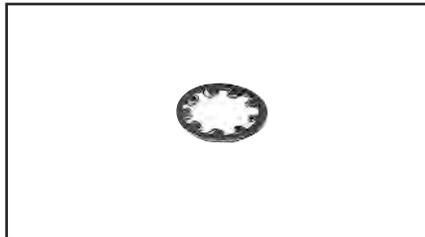


Catalog Number	For Bolt Size
25 SW BOX	1/4
31 SW BOX	5/16
38 SW BOX	3/8
44 SW BOX	7/16
50 SW BOX	1/2
62 SW BOX	5/8

DURIUM™ INTERNAL TOOTH LOCKWASHER

SILICON BRONZE

DURIUM™ Internal Tooth Lockwashers are available as illustrated. The teeth are twisted slightly and present biting edges which grip the nut and the part being clamped, preventing the nut from backing off.

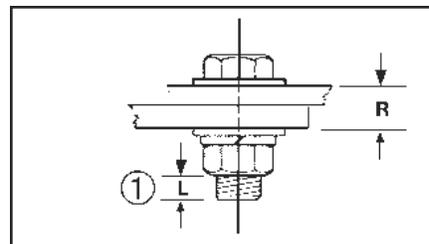


Catalog Number	For Bolt Size
25 NW BOX	1/4
31 NW BOX	5/16
38 NW BOX	3/8
44 NW BOX	7/16
50 NW BOX	1/2
62 NW BOX	5/8

TYPE TMH

DURIUM™ SILICON BRONZE HARDWARE KITS

Type TMH are DURIUM™ silicon bronze hardware kits. The kits can be ordered for specific applications ensuring the proper type and amount of hardware for each installation. Packaged in separate sealed bags, they are convenient to use, eliminating mismatched quantities. DURIUM™ silicon bronze material provides long lasting corrosion resistance.



Catalog Number	Size	Each TMH Kit Includes:					Working Range R	Installation Torque (In-lbs)
		Bolt		Flat Washer	Split Washer	Hex Nut		
		Length	Qty.					
TMH262	1/4-20	0.75	2	4	2	2	0.09 - 0.34	80
TMH263		1.00	2	4	2	2	0.34 - 0.59	
TMH264		1.25	2	4	2	2	0.59 - 0.84	
TMH265		1.50	2	4	2	2	0.84 - 1.09	
TMH266	3/8-16	0.75	2	4	2	2	0.00 - 0.19	240
TMH267		1.00	2	4	2	2	0.19 - 0.44	
TMH268		1.25	2	4	2	2	0.44 - 0.69	
TMH269		1.50	2	4	2	2	0.69 - 0.94	
TMH270		1.75	2	4	2	2	0.94 - 1.19	
TMH271		2.00	2	4	2	2	1.19 - 1.44	
TMH332 ²		2.75	2	4	2	2	—	
TMH261 †		3.00	2	4	2	2	2.15 - 2.40	
TMH289 ††	1.25	1	2	1	1	0.02 - 0.27		
TMH295	1/2-13	1.25	2	4	2	2	0.27 - 0.49	480
TMH272		1.50	2	4	2	2	0.49 - 0.74	
TMH294		1.75	2	4	2	2	0.74 - 0.99	
TMH69		2.00	2	4	2	2	0.99 - 1.24	

† For use with CUSA750-2TC38 copper spacer adaptor, (2) terminals and™ thick equipment bus bar. For other combinations contact BURNDY®.
 †† For use with all GAR-TC connectors. "R" dimension is allowable pad thickness of terminal

* For other combinations contact BURNDY®.
 ① "L" dimension never exceeds .25"
 2 For use with CUSA442TC38 on 1/4" bus bar and HYLUG™ 4/0 - 750 kcmil.

TYPE TMH-SS

STAINLESS STEEL HARDWARE KITS

Type TMH-SS are stainless steel hardware kits. Just like the standard TMH kits, these kits can be ordered for specific applications ensuring the proper type and amount of hardware for each installation. They are packaged in separate sealed bags and convenient for use and ordering.

Catalog Number	Size	Each TMH Kit Includes:					Working Range R	Installation Torque (In-lbs)
		Bolt		Flat Washer	Split Washer	Hex Nut		
		Length	Qty.					
TMH322SS	10 - 32	0.875	1	0	1	1	-	45
TMH262SS	1/4-20	0.75	2	4	2	2	0.09 - 0.34	80
TMH263SS		1.00	2	4	2	2	0.34 - 0.59	
TMH264SS		1.25	2	4	2	2	0.59 - 0.84	
TMH265SS		1.50	2	4	2	2	0.84 - 1.09	
TMH267SS	3/8-16	1.00	2	4	2	2	0.19 - 0.44	240
TMH268SS		1.25	2	4	2	2	0.44 - 0.69	
TMH269SS		1.50	2	4	2	2	0.69 - 0.94	
TMH270SS		1.75	2	4	2	2	0.94 - 1.19	
TMH271SS		2.00	2	4	2	2	1.19 - 1.44	
TMH261SS †		3.00	2	4	2	2	2.15 - 2.40	
TMH295SS	1/2-13	1.25	2	4	2	2	0.27 - 0.49	480
TMH272SS		1.50	2	4	2	2	0.49 - 0.74	
TMH294SS		1.75	2	4	2	2	0.74 - 0.99	
TMH69SS		2.00	2	4	2	2	0.99 - 1.24	

**GALVANIZED
STEEL HARDWARE**

Galvanized bolts, nuts, flatwashers, and internal tooth lockwashers are manufactured per ASTM307 Grade A. Bolts up to 2 inches long are fully threaded; longer bolts are threaded for 2 inches. Nut surfaces and bolt heads have American Standard dimensions, and the threads are per American National Coarse Series, Class #2 fit. Galvanizing is per ASTM A153.

BOLTS



Catalog Number	Thread Size	Length (B)
38x125 HGSB	3/8-16	1.25
38x275 HGSB	3/8-16	2.75
38x225 HGSB	3/8-16	2.25
50x100 HGSB	1/2-13	1.00
50x150 HGSB	1/2-13	1.50
50x200 HGSB	1/2-13	2.00
62x100 HGSB	5/8-11	1.00
62x175 HGSB	5/8-11	1.75
75x125 HGSB	3/4-10	1.25

NUTS



Catalog Number	Thread Size
31CHGSN	5/16-18
38 HGSN-009	3/8-16
38 HGSN	3/8-16
50 HGSN	1/2-13
62 HGSN	5/8-11

FLATWASHER



Catalog Number	Bolt Size	Nominal Dimensions (Inches)	
		I.D. A	O.D. B
38x81 FWGS	3/8	0.406	0.813
50x106 FWGS	1/2	0.531	1.06

**INTERNAL TOOTH
LOCKWASHERS**

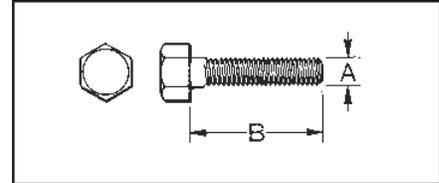


Catalog Number	Bolt Size
38 NWGS	3/8
50 NWGS	1/2
62 NWGS	5/8
75 NWGS	3/4

ALUMINUM HARDWARE

BOLTS

BURNDY® aluminum hexagon head bolts are manufactured of alloy 2024-T4 and are finished with anodic coating and lubricated. Threads are coarse series, class 2A fit.



Catalog Number	Thread Size	B Length	Catalog Number	Thread Size	B Length
50x150 HAB BOX	1/2-13	1-1/2"	50x500 HAB BOX	1/2-13	5"
50x175 HAB BOX	1/2-13	1-3/4"	50x550 HAB BOX	1/2-13	5-1/2"
50x200 HAB BOX	1/2-13	2"	62x175 HAB BOX	5/8-11	1-3/4"
50x225 HAB BOX	1/2-13	2-1/4"	62x200 HAB BOX	5/8-11	2"
50x250 HAB BOX	1/2-13	2-1/2"	62x225 HAB BOX	5/8-11	2-1/4"
50x275 HAB BOX	1/2-13	2-3/4"	62x250 HAB BOX	5/8-11	2-1/2"
50x300 HAB BOX	1/2-13	3"	62x300 HAB BOX	5/8-11	3"
50x325 HAB BOX	1/2-13	3-1/4"	62x350 HAB BOX	5/8-11	3-1/2"
50x350 HAB BOX	1/2-13	3-1/2"	62x400 HAB BOX	5/8-11	4"
50x375 HAB BOX	1/2-13	3-3/4"	62x450 HAB BOX	5/8-11	4-1/2"
50x400 HAB BOX	1/2-13	4"	62x500 HAB BOX	5/8-11	5"
50x425 HAB BOX	1/2-13	4-1/4"	62x550 HAB BOX	5/8-11	5-1/2"
50x450 HAB BOX	1/2-13	4-1/2"	62x600 HAB BOX	5/8-11	6"

NUTS

BURNDY® aluminum nuts are manufactured of alloy 6061-T6, are finished type, coarse thread, class 2B fit.



Catalog Number	Thread Size
50 HAN BOX	1/2-13
62 HAN BOX	5/8-11

FLATWASHER

BURNDY® aluminum flat washers are manufactured of alloy 2024-T4 and are medium design.



Catalog Number	Description	For Bolt Size
50 FWA BOX	Flat Washer	1/2
62 FWA BOX	Flat Washer	5/8

SPLIT LOCKWASHERS

BURNDY® aluminum split lockwashers are manufactured of alloy 7075-T6 and are regular design.



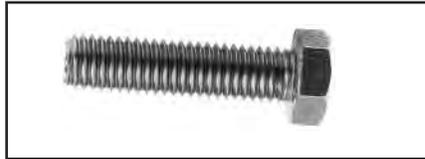
Catalog Number	Description	For Bolt Size
50 SWAL BOX	Split Washer	1/2
62 SWAL BOX	Split Washer	5/8

STAINLESS STEEL HARDWARE

Stainless steel bolts, nuts, flatwashers and split lockwashers are manufactured from 18-8 non-magnetic material. Bolts up to 2 inches long are fully threaded; longer bolts

are threaded for 2 inches. Nut surfaces and bolt heads have American National Coarse Series, Class #2 fit.

BOLTS



Catalog Number	Thread Size	Length B (Inches)
38X125 HSSB	3/8-16	1.25
38x225 HSSB	3/8-16	2.25
38x250 HSSB	3/8-16	2.50
38x275 HSSB	3/8-16	2.75
50x200 HSSB	1/2-13	2.00
50x250 HSSB	1/2-13	2.50
50x300 HSSB	1/2-13	3.00
62x300 HSSB	5/8-11	3.00

NUTS



Catalog Number	Thread Size
25 HSSN	1/4-20
38 HSSN	3/8-16
50 HSSN	1/2-13
62 HSSN	5/8-11

SPLIT LOCKWASHERS



Catalog Number	For Bolt Size
25 SWSS LT	1/4
38 SWSSMD	3/8
50 SWSSMD	1/2
62 SWSSMD	5/8

FLATWASHER



Catalog Number	Bolt Size	Nominal Dimensions (Inches)	
		I.D. A	O.D. B
25 FWSS	1/4	0.266	0.688
38 FWSS	3/8	0.406	1.000
50 FWSS	1/2	0.594	1.125
62 FWSS	5/8	0.656	1.312

BELLEVILLE WASHERS

Any bolted "pad to flat" electrical connection should include a bolt, two flatwashers, and the nut. In addition, if any of the flat components is aluminum, a properly designed Belleville washer should be interposed between one of the flatwashers and either the bolt head or the nut, with the hollow of the Belleville washer placed against the flat washer. BURNDY® Belleville washers are designed to maintain substantial force when tightened to NEMA-recommended values and finely finished to avoid galling.



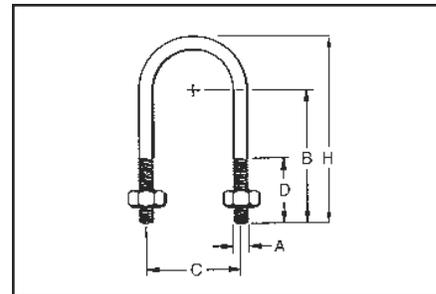
Catalog Number	Material	Bolt Size	Nominal Dimensions		
			Thickness	I.D.	O.D.
38x75 BWSS	Stainless	3/8	.062	.388	.750
50x106 BWSS		1/2	.095	.530	1.06

The stainless washers are 301 stainless steel.

TYPE UB

DURIUM™ SILICON BRONZE U-BOLTS

DURIUM™ U-BOLTS are specifically designed for electrical connections to pipe and rod. The U-BOLTS are threaded on the straight portion of the legs only allowing for more contact surface on the pipe or rod. American National Coarse Threads Class #2 fit. The silicon bronze is per ASTM B99.



Catalog Number	Thread Size	H	C	D	B	
UB101	1/4-20	1.38	0.75	0.75	0.88	
UB104		1.81	1.12	0.88	1.12	
UB105		2.03	1.31	1.00	1.25	
UB106		2.31	1.62	1.12	1.38	
UB107		2.66	1.94	1.31	1.56	
UB336		3/8-16	1.50	0.88	0.62	0.88
UB337			1.94	1.12	0.75	1.19
UB178	2.00		0.88	0.75	1.38	
UB354	2.44		1.25	1.00	1.62	
UB187	2.47		1.16	1.06	1.69	
UB271	2.50		1.00	1.19	1.81	
UB222	2.69		1.50	1.12	1.75	
UB242	2.72		1.16	1.31	1.94	
UB383	2.75		0.94	1.47	2.09	
UB269	2.78		1.19	1.38	2.00	
UB357	2.78		1.69	1.12	1.75	
UB384	2.91		1.44	1.38	2.00	
UB249	3.00		1.50	1.44	2.06	
UB1031	3.31		1.75	1.90	2.25	
UB244	3.31		1.75	1.62	2.25	
UB199	3.41		2.34	1.44	2.05	
UB204	3.47		2.06	1.62	2.25	
UB124	3.50		2.75	1.31	1.94	
UB268	3.97		2.34	2.00	2.62	
UB257	4.16		2.81	1.94	2.56	
UB1032	4.41		2.81	2.56	2.81	
UB310	4.41		2.81	2.19	2.81	
UB266	4.97		3.31	2.50	3.12	
UB267	5.53		3.94	2.75	3.38	
UB258	5.56		4.00	2.75	3.38	
UB264	6.16		4.44	3.12	3.75	
UB1033	6.16		4.44	3.50	3.75	
UB261	6.34	4.94	3.06	3.69		
UB422	7.69	6.00	3.88	4.50		
UB1027	8.12	7.12	2.88	4.38		
UB1028	9.62	9.12	2.88	4.88		
UB1029	11.20	11.25	2.88	5.38		
UB1030	12.70	13.25	2.88	5.88		
UB224	1/2-13	2.44	1.12	0.88	1.62	
UB358		2.66	1.31	1.00	1.75	

Catalog Number	Thread Size	H	C	D	B
UB226	1/2-13	2.75	1.25	1.12	1.88
UB291		2.81	1.19	1.22	1.97
UB293		2.81	1.75	1.19	1.69
UB464		3.12	1.81	1.31	1.96
UB540		3.19	1.38	1.75	2.25
UB254		3.41	1.31	1.75	2.50
UB328		3.41	2.94	0.94	1.69
UB400		4.03	1.31	2.38	3.12
UB256		4.16	2.22	2.06	2.81
UB230		4.34	2.94	1.88	2.62
UB311		4.44	1.88	2.50	3.25
UB302		4.62	2.47	2.38	3.12
UB232		4.97	3.44	2.25	3.00
UB260		5.34	2.94	2.88	3.62
UB390		5.38	2.50	3.12	3.88
UB263		5.78	4.56	2.50	3.25
UB282		6.31	4.12	3.25	4.00
UB236		6.41	5.06	2.88	3.62
UB399		6.66	1.31	5.00	5.75
UB436		6.66	4.56	3.62	4.12
UB262		6.78	5.06	3.25	4.00
UB392		7.06	1.62	5.25	6.00
UB416		7.53	5.06	4.00	4.75
UB300		7.62	6.12	3.56	4.31
UB306		7.88	6.12	3.81	4.56
UB275		5.09	1.19	3.60	4.25
UB437		8.56	6.12	4.50	5.25
UB294	5/8-11	3.50	1.38	1.75	2.50
UB314		3.66	2.09	1.56	2.31
UB425		3.72	2.31	1.50	2.25
UB317		4.97	1.81	3.00	3.75
UB315		5.56	2.09	3.44	4.19
UB318	3/4-10	4.22	2.44	1.87	2.62
UB344		4.72	1.94	2.63	3.38
UB319		6.34	2.44	4.00	4.75

INTRODUCTION

INSTALLATION TOOLS

The BURNDY® total compression program offers the most complete line of installation tooling whether mechanical, full cycle ratchet, self contained hydraulic, remote controlled hydraulic, power actuated pumps, hoses and accessories, available to the electrical industry. These tools have been designed to integrate with the complete line of BURNDY® compression connectors. Whether you're a small contractor working with #22 wire or a large utility working with 2500 kcmil conductor, there's a BURNDY® compression tool available to do the job. The benefits of compression are many; however, probably the most significant benefit is reliability. There's nothing more important to the electrical industry today than reliability. It represents the one area that leads to economical installations that will endure for the life of the installation.

TOOL CENTER

An important element of the BURNDY® engineered system is the Tool Center, 150 Burndy Road, Littleton, NH 03561 (800-426-8720). This center provides advice and information on the operation, maintenance and repair of BURNDY® tools. The repair center is staffed with specialized technicians who provide the best possible tool repair service, for all BURNDY® tools, pumps and accessories. We designed and produced the first self contained hydraulic compression electrical connector installation tool in 1934. In our continuing efforts to provide the highest quality and highest value connection systems, we offer the current BURNDY® tool policy.

LIMITED WARRANTY

The majority of BURNDY® tools are warranted to be free of defects in materials and workmanship for a period of five (5) years from the date of shipment. Please contact the Tool Center (800-426-8720) for warranty information on a specific item. If inspection by a certified tool technician shows the issue is due to by defective workmanship or material, BURNDY® will repair (or at our option), replace the tool.

This Warranty does not apply where:

- Repairs or alterations have been made or attempted by others
- Repairs are required because of normal wear and tear
- The tool has been abused, misused or improperly maintained
- The use of any non-BURNDY® products has resulted in damage to the tool

STANDARD LIMITED WARRANTY AND LIMITATION OF LIABILITY

BURNDY® warrants that the goods and services stated on the face hereof, when furnished to Buyer by BURNDY®, conform with the current written specifications and drawings of BURNDY® (or with those of the Buyer specifically accepted by BURNDY® in writing), and will be free of defects in materials and workmanship. The sole obligation of BURNDY® (and Buyer's sole and exclusive remedy) for any breach of warranty under the foregoing warranty shall be to repair (at location designated by BURNDY®) or, at the option of BURNDY®: To replace FOB the original point of delivery any goods which are non-conforming or defective and are so specified by Buyer in a written certified mail notice to an officer of BURNDY® within the applicable warranty period. BURNDY® expressly disclaims any and all express or implied warranties other than the warranty of its title to goods and the warranty hereinabove set forth. Such disclaimer includes, without limitation, warranty of fitness for a particular purpose and warranty of merchantable quality.

Limitation of Liability — BURNDY® will not, under any circumstances, be liable for the cost of removal or reinstallation of goods or the cost of disassembly or reassembly of equipment in connection therewith, or for loss of the use of Buyer's equipment or facilities, or for loss of business or good will or profits, or for cost of inspection or storage, or for any incidental or consequential damages of any nature or description whatever which may arise from the sale of goods to Buyer from BURNDY®.

REPAIR POLICY

All non-warranty repaired tools are completely reconditioned and receive a limited 1-year warranty. Non-warranty repair returns tools to like new condition at a maximum cost of 40% the current cost of a new tool. A nominal service charge of \$5.00 is applied to all repairs to cover shop supplies, oil disposal and other miscellaneous services not covered as part of the standard repair. If the decision is made not to repair, a handling charge of \$25.00 will be applied plus return freight costs.

RETURN PROCEDURE

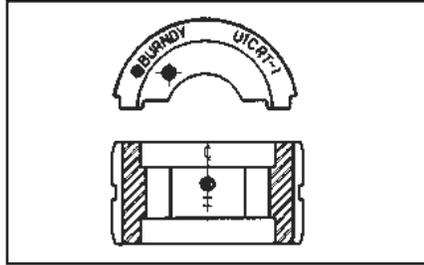
All tools sent to the BURNDY® Tool Center or an authorized repair center must be accompanied by a purchase order with detailed bill to and ship to address authorizing repair. Requests for repair charges before work is done must be stated on the purchase order. All tools sent to the BURNDY® Tool Center or an authorized repair center as a warranty claim must be accompanied by a proof of purchase such as a BURNDY® invoice or invoice from any BURNDY® distributor.

All tools must be shipped at the owner's expense, prepaid. BURNDY® pays for the return freight, same surface freight as received. Airfreight returns will be returned same way collect for non-warranty repair and prepaid for warranty repairs. This warranty and repair policy supersedes all previous policies and is in effect January 1, 2005.

12-TON U DIES*

BURNDY® Die Sets

Fits Y35, Y39, Y750 Series,
PAT750-18V Series,
PAT46-18V, Y46
(W/PUADP-1 Adapter)



U die case Part# **PT29291**, holds up to 15 dies

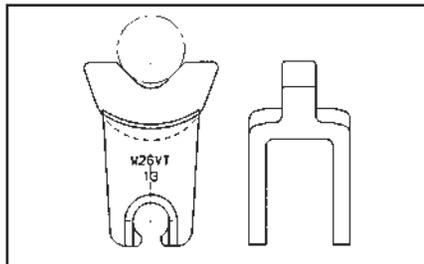
	Wire Size	Copper	Aluminum
Small	#8	U8CRT	U8CABT
	#6	U5CRT	U6CABT
	#4	U4CRT	U4CABT
	#3	U3CRT	N/A
	#2	U2CRT	U2CABT
	#1	U1CRT-1	U1CART
	1/0	U25RT	U25ART
	2/0	U26RT	U26ART
	3/0	U27RT	U27ART
	4/0	U28RT	U28ART
	250 kcmil	U29RT	U29ART
	300 kcmil	U30RT	U30ART
	350 kcmil	U31RT	U31ART
	400 kcmil	U32RT	U32ART
	500 kcmil	U34RT	U34ART
	535 Flex kcmil	U38XRT	N/A
	600 kcmil	U36RT	U36ART
	750 kcmil	U39RT	U39ART-2
Large	777 Flex	U44XRT	N/A

* Non-tension U-type 12-ton dies for YA, YS, YA-A, YS-A style connectors.
NOTE: N/A = not applicable.

W DIES

BURNDY® Die Sets

Fits Tools MD6, MD7,
Y500CTHS, PAT600-18V,
PATMD6



Cat. No. **CASEWDIES**

Compact Die Case

Compact die case for (12) "W" or "X" die sets. Dies purchased separately.

	Wire Size	Copper	Copper	Aluminum
Small	#8	W8CVT	W8CRT	X8CART
	#6	W5CVT	W5CRT	W161
	#4	W4CVT	W4CRT	W162
	#3	W3CRT	W3CRT	N/A
	#2	W2CVT	W2CRT	W239
	#1	W1CVT	W1CRT	W163
	1/0	W25VT	W25CRT	W241
	2/0	W26VT	W26CRT	W245
	3/0	W27VT	W27CRT	W166
	4/0	W28VT	W28CRT	W660
	250	* W29VT	W29CRT	N/A
	300	* W30VT	W30CRT	N/A
	350	* W31VT	W31CRT	* W31ART
	400	* W32VT	W32CRT	N/A
	450	W33VT	W33CRT	
	500	* W34VT	W34CRT	N/A
Large	600	** W36RT	W36CRT	N/A

* These sizes (250-500) for Y5000CTHS, MD7-34(R), BAT500, BCT500HS only.

** For PAT600-18V only.

NOTE: N/A = not applicable.

Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.

**Y750HSXT AND
Y750CHSXT RUBBER
COVERED HEAD**

750 REVOLVER HYPRESS™

Hydraulic Hand Operated Tool
12-Ton Crimp Force

Conductor Range:
#14 - 750 kcmil Cu/Al
#4 - 556.5 kcmil ACSR

The BURNDY® Y750HSXT Series HYPRESS™ is a wide mouth (1.65") hand operated hydraulic 12 ton crimping tool for use on virtually all compression applications. The C-shaped head rotates 355° relative to the handle and is mated to a patented rapid advance pump. The Y750HSXT provides easy tapping, splicing, and terminating of overhead lines, the full line of HYGROUND® compression grounding connectors, NEC cable connections, and N30 - N650 Navy cable connections.

The Y750HSXT accepts all BURNDY® "U" dies for use on conductor ranges of #14 - 750 kcmil AL/CU and #4 - 556.5 kcmil ACSR conductors.

The Y750CHSXT HYPRESS™ has a rubber-covered head and handles for tool impact protection.

Each Y750HSXT uses standard BURNDY® dies and off-the-shelf connectors available world-wide. Supplied with a durable high impact formed carrying case to hold the tool, and die compartment to hold "U" die sets. (Dies sold separately.) All BURNDY® Y750HSXT series tools are provided with a 5-year limited warranty.



BENEFITS

- Covers a wide range of applications with a lightweight, self-contained system and provides easy tool removal from continuous conductors with its C-shaped head.
- Easy tool positioning with its 355° head rotation.
- Patented rapid advance pump for faster crimps.
- Exposed positive die lock buttons for easy die change out and die retention.
- Handle trigger drain for convenient ram retraction.
- Quality assurance is provided with an audible "Pop-Off" pressure relief valve.
- Comfort grip handles help ease operator fatigue with continuous use.
- Long life expectancy from the company that provided the industry with the first self-contained hydraulic tool in 1934.
- Rubber covered head and handles on Y750CHSXT for tool impact protection.
- Supplied with high impact plastic carrying case.
- 5-year limited warranty.

SPECIFICATIONS

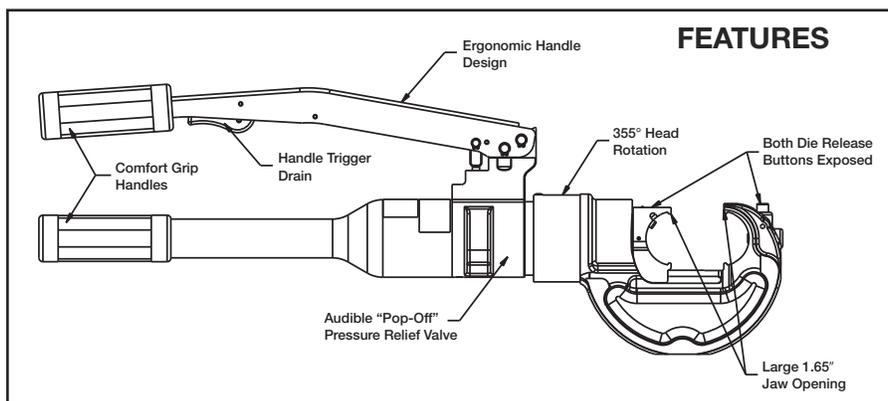
- Force developed:** 12 tons
- Weight:** 14.5 lbs. (6.6 kg)
- Length:** 23.96" (608 mm)
- Height:** 2.86" (78 mm)
- Width:** 8.71" (222 mm)
- Jaw opening:** 1.65" (42 mm)

FOR USE ON

- Tension Sleeves
 - Copper #8 sol. - 500 kcmil
 - Aluminum #8 sol. - 556.5 kcmil
 - ACSR #4 - 556.5 kcmil
- Taps
 - Copper #14 sol. - 500 kcmil
 - Aluminum #8 - 500 kcmil
- Aerial Cable
 - Copper #6 - 500 kcmil
- Terminals & Splices
 - Aluminum #8 - 750 kcmil
 - Copper #8 - 750 kcmil
 - ACSR #4 - 556 kcmil
- HYGROUND® (Compression Grounding)
 - Copper #8 - 500 kcmil (cable/ground rod)
 - Ground Rods 1/2" - 1" Diameter

ACCESSORIES:

Cat. No.	Description
Y750HSCASE	Plastic Carrying Case for Y750HSXT or Y750CHSXT.
PT29279-2	Force test gauge for accurate visual reading of output force.
PT29291	Die Case Steel case for storage and protection of "U" dies.
WIREMIKE	Provides quick and easy identification of commonly used conductors.



PATRIOT® HIGH PERFORMANCE PAT750XT-18V

Battery Actuated Tool

Hydraulic Self-Contained 12-Ton Crimping Tool

The BURNDY® PATRIOT® High Performance PAT750XT-18V tool is 25% faster than previous models. In addition to faster crimp cycles, the High Performance PAT750XT-18V has newly designed electronics that are field proven for ultimate reliability and proven to handle the harshest work environments.

The High Performance PAT750XT-18V incorporates the latest engineering technology with a refined hydraulic system for ultra performance, speed and reliability. All PATRIOT® tools feature the BURNDY INFINITY DRIVE® transmission which has a lifetime warranty.

The High Performance PAT750XT-18V features the BURNDY® Y750 tool head, capable of using all "U" style dies, and incorporates a bearing and alignment guide for use on HYGROUND® and other asymmetrical connectors. Features reliable head rotation design for operation in virtually any position. All PATRIOT® battery actuated hydraulic tools provide a consistent, reliable connection every time.

Each PATRIOT® tool uses standard BURNDY® dies and off-the-shelf connectors available world-wide. Supplied with a durable high impact formed carrying case to hold the tool, battery charger, two batteries, tool retention lanyard, and die compartment to hold "U" die sets. (Dies sold separately.) Provided with a 5-year limited warranty.



Features and Benefits

- Refined hydraulic system for ultra performance, speed and reliability.
- Field proven electronics for ultimate reliability in the harshest environments.
- True, one-handed operation for advance, retract, and hold.
- 12 tons of output force for use on virtually all compression applications.
- State of the art crimping head design, 360° head rotation lets user get into tight areas easier.
- Allows use of standard BURNDY® dies already in use.
- Ergonomically balanced tool design eases operation and helps lessen fatigue.
- Durable high impact formed carrying case provides superior protection and stores all accessories.
- **PAT750CXT-18V** — with rubber covered head is available.
- 18 volt Ni-MH battery eliminates voltage depression (memory issues).
- 5-year limited warranty on tool.
- Lifetime warranty on INFINITY DRIVE®.
- 1-year warranty on batteries and charger.

SPECIFICATIONS

Output force: 12 tons
(10.9 metric tons)

Tool Weight: 16.5 lbs (7.5 kg)
With Battery

Length: 15.75" (40 cm)

Width: 3.5" (8.89 cm)

Height: 13.5" (34.29 cm)

Operating Voltage: 18 V-DC

Recharge Time: < 45 minutes

FOR USE ON

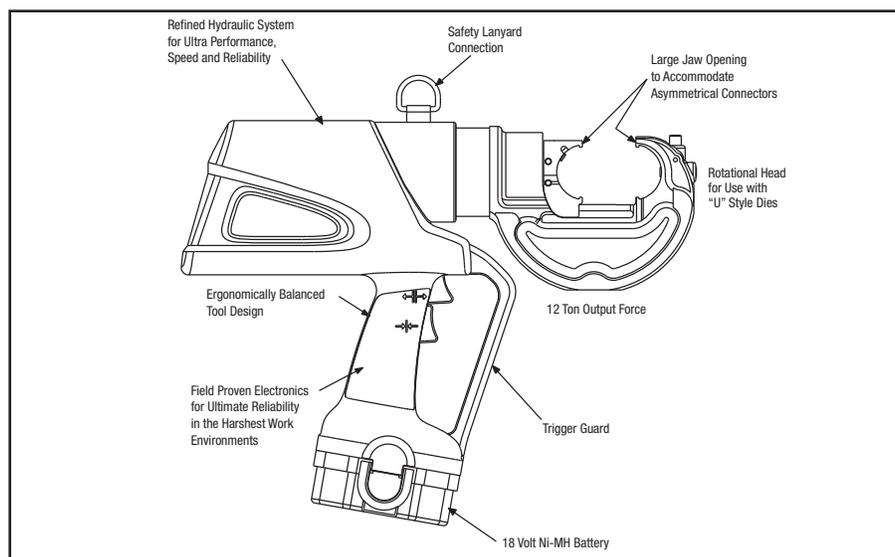
- Tension Sleeves
 - Copper #8 sol. - 500 kcmil
 - Aluminum #8 sol. - 587.2 kcmil
 - ACSR #4 - 556.5 kcmil
- Taps
 - Copper #14 sol. - 500 kcmil
 - Aluminum #8 - 500 kcmil
- Aerial Cable
 - Copper #6 - 500 kcmil
- Terminals & Splices
 - Aluminum #8 - 750 kcmil
 - Copper #8 - 750 kcmil
 - ACSR #4 - 556 kcmil
- HYGROUND®
 - Copper #8 - 500 kcmil (cable/ground rod)
 - Ground Rods 1/2" - 1" Diameter

ACCESSORIES

Battery: Cat# **BAT18V**
Hi-capacity (2.6 AH)

Chargers:
120V-AC Cat# **PATCHGR18V**
12/24V-DC Cat# **BCT/PATDCCHGR**
240/250V-AC Cat# **PATCHGR250V**

Lanyard: Cat# **PT208620**



PATRIOT® HIGH PERFORMANCE PAT750-LI

18 Volt Lithium-Ion Battery Actuated Tool

Hydraulic Self-Contained 12-Ton Crimping Tool

The BURNDY® PATRIOT® PAT750-LI Lithium-Ion tool is approximately 25% faster than the previous models. In addition to faster crimp cycles, the High Performance PAT750-LI has newly designed electronics that are field proven for ultimate reliability and proven to handle the harshest work environments.

The PAT750-LI incorporates the latest engineering technology with a refined hydraulic system for ultra performance, speed and reliability. The redesigned field proven electronics provides the ultimate reliability in the harshest work environments. All BURNDY® battery actuated hydraulic tools provide a consistent, reliable connection every time. The PAT750-LI features the BURNDY® Y750 tool head, capable of using all "U" style dies, and incorporates a bearing and alignment guide for use on HYGROUND® and other asymmetrical connectors. The crimp head rotates 355° for operation in virtually any position.

Each PATRIOT® tool uses standard BURNDY® dies and off-the-shelf connectors available world-wide. Supplied with a durable high impact formed carrying case to hold the tool, battery charger, two 18 volt Lithium-Ion batteries, tool retention lanyard, and die compartment to hold "U" die sets. (Dies sold separately.) Provided with a 5-year limited warranty. All PATRIOT® tools feature the BURNDY® INFINITY DRIVE® transmission which has a lifetime warranty.



Features and Benefits

- Refined hydraulic system for ultra performance, speed and reliability
- Field proven electronics for ultimate reliability in the harshest environments
- Overmolded handle for comfort and improved grip; allows for one-handed operation for advance, retract, and hold
- 18 volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work
- 30-minute charger controls current, voltage & temperature to maximize battery life. Forced air cooling fan cools the battery by forcing cool air through the battery's built-in air vents
- State of the art crimping head design, 355° head rotation lets user get into tight areas easier
- Allows use of standard BURNDY® dies already in use
- Ergonomically balanced tool design eases operation
- Durable high impact formed carrying case provides superior protection and stores all accessories
- **PAT750C-LI** with rubber covered head is available
- 5-year limited warranty on tool
- Lifetime warranty on INFINITY DRIVE®
- 1-year warranty on batteries and charger

SPECIFICATIONS

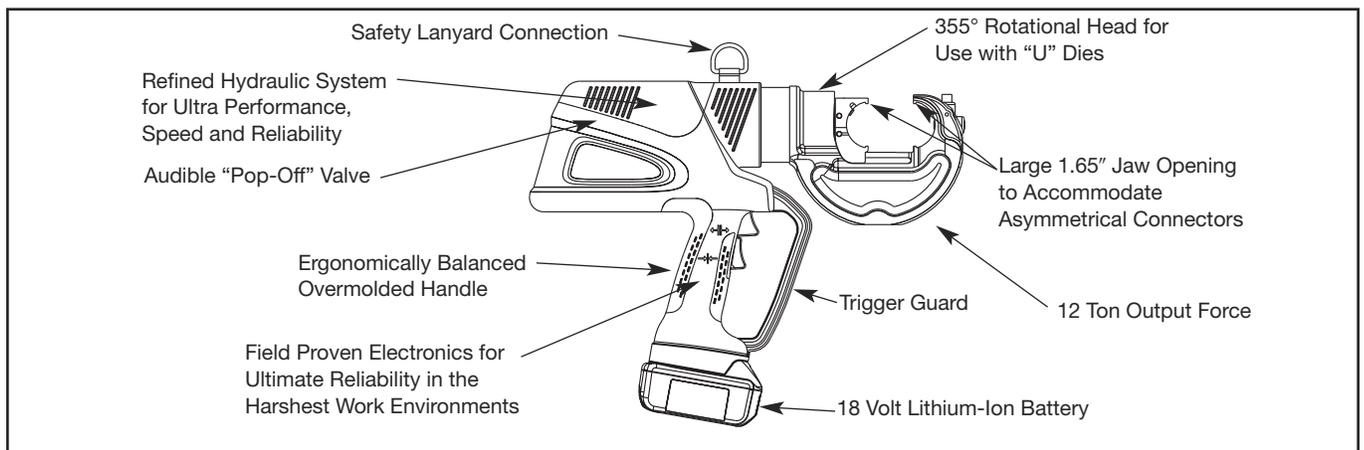
- Output Force:** 12 tons (10.9 metric tons)
- Tool Weight:** 15.7 lbs. (7.12 kg) With Battery
- Length:** 15.75" (40 cm)
- Width:** 3.5" (8.89 cm)
- Height:** 13.5" (34.29 cm)
- Operating Voltage:** 18 V-DC
- Recharge Time:** 30 minutes

FOR USE ON

- Tension Sleeves
 - Copper #9 sol. - 500 kcmil
 - Aluminum #8 sol. - 587.2 kcmil
 - ACSR #4 - 556.5 kcmil
- Taps
 - Copper #14 sol. - 500 kcmil
 - Aluminum #8 - 500 kcmil
- Aerial Cable
 - Copper #6 - 500 kcmil
- Terminals & Splices
 - Aluminum #8 - 750 kcmil
 - Copper #8 - 750 kcmil
 - ACSR #4 - 556 kcmil
- HYGROUND®
 - Copper #8 - 500 kcmil (cable/ground rod)
 - Ground Rods 1/2" - 1" Diameter

ACCESSORIES

- Battery:** Cat# **BAT18VLI** (3.0 AH) Hi-capacity
- Chargers:**
 - 120V-AC Cat# **PATCHGR-LI**
 - 12/24V-DC Cat# **PATCHGR-LIDC**
 - 240/250V-AC Cat# **PATCHGR-LI250V**
- Lanyard:** Cat# **PT208620**



PATRIOT® PAT46-18V

Battery Actuated Tool

Hydraulic Self-Contained 15-Ton Crimping Tool

The BURNDY® PATRIOT® PAT46-18V incorporates the latest engineering technology with a patented high speed hydraulic pump. Our battery actuated hydraulic tool provides a consistent, reliable connection every time. The PAT46-18V features BURNDY's Y46 tool head, capable of using all "P" and "U" style dies.

Each PATRIOT® uses standard BURNDY® dies and off-the-shelf connectors available worldwide. Supplied with a durable high impact formed carrying case to hold the tool, battery charger, two batteries, tool retention lanyard, and die compartments to hold both "P" and "U" die sets (dies sold separately). All BURNDY® PATRIOT® PAT46 tools are provided with a 5-year limited warranty.

PAT46C-18V — with rubber covered head is available.



Features and Benefits

- BURNDY's largest battery actuated crimp tool, providing 15-tons of output force with a 2" jaw opening.
 - ◇ Allows users to install the largest variety of splices, taps and terminals with one tool. Also provides easy placement and removal from continuous conductor lengths.
- State of the art C-Head crimp design with 355° head rotation.
 - ◇ Versatile tool head positioning lets user get into tight areas easier.
- Retractable assist handle under head of tool for better handling of tool.
 - ◇ Allows for better balance of tool and retractable for getting head into tight areas.
- Durable high impact formed carrying case.
 - ◇ Provides superior protection and stores all accessories.
- 18-volt Ni-MH battery eliminates voltage depression (memory issues).
 - ◇ Less "down-time" due to high capacity, high voltage 18-volt battery
- 5-year limited warranty on tool. 1-year warranty on battery and charger.

SPECIFICATIONS

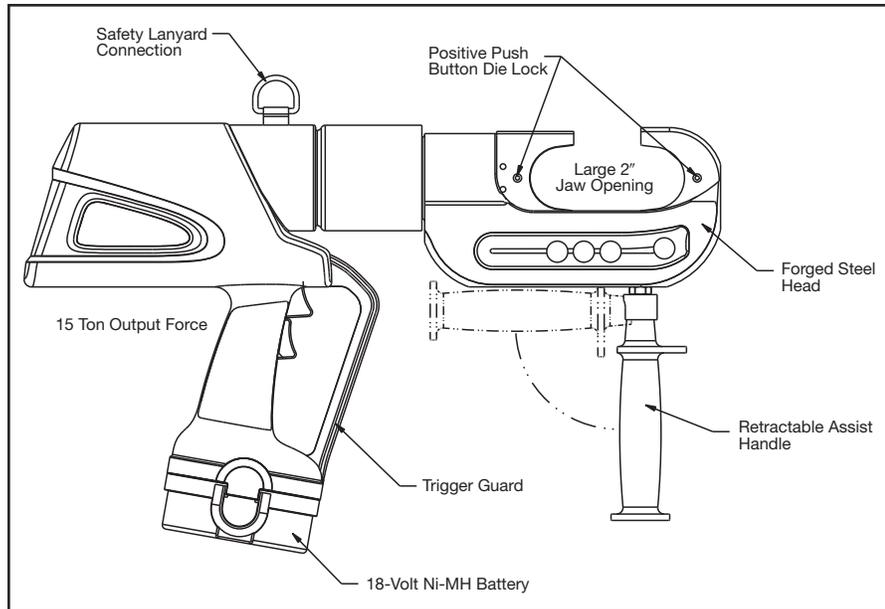
- Output Force:** 15 tons (13.6 metric tons)
- Weight:** 26.2 lbs. (11.88 kg)
- Length:** 20.77" (52.76 cm)
- Height:** 14.43" (36.65 cm)
- Width:** 3.70" (9.40 cm)
- Operating Voltage:** 18V-DC
- Battery Recharge Time:** <45 minutes

FOR USE ON

Connector Type	Conductor Range
Copper, Terminals, grounding: to 500 kcmil #8 AWG str. - 1500 kcmil Code Cable, Navy Cable, Flexible and Extra Flexible 1/2" - 1" Ground Rods	YGA, YGHA, YGF Terminals, uninsulated: #8 to 1500 kcmil: YA, YA-2N, YA-L, YA-LB, YA-TC, YA-2LN, YAB-4N, YAV-L Box, YAV-L, YAV-RS Box, YAV-RS, YA-TC-FX Terminals, insulated: #8 to 2/0 YAEV-L Box, YAEV-L, YAEV-H, YAEV-RS, YAEV-RH Splices: #8 to 1500 kcmil YS, YS-T, YS-L, YS-LB, YST, YSP-T, YGS, YGHS Taps: YH, YCHC #14 to 1000 kcmil, YC-C to 4/0 AWG Taps, grounding: to 500 kcmil YGHC-C, YGHP-C, YGHR-C
Aluminum #8 AWG - 1250 kcmil Code Cables	Terminals: YA-A, AYP, AYPO Splices: YS-A, YS-AT, YRB Taps: YFD, YFN, YFO, YFR
ACSR	See BURNDY® Overhead Transmission and Distribution Catalog Module

ACCESSORIES

- Cutter Die:** Cat# **P15K**
Die max. 1.2" dia.
- "U" Die Adapter:** Cat# **PUADP-1**
- Battery:** Cat# **BAT18V**
High Capacity Ni-MH (2.6 AH)
- Chargers:** Cat# **PATCHGR18V**
120V-AC
Cat# **BCT/PATDCCHGR**
12/24V-DC
Cat# **PATCHGR250V**
240/250V-AC



PATRIOT® PAT46-LI

**18 Volt Lithium-Ion
Battery Actuated Tool**

**Hydraulic Self-Contained
15-Ton Crimping Tool**

The BURNDY® PATRIOT® PAT46-LI Lithium-Ion tool incorporates the latest engineering technology with a patented high speed hydraulic pump. The redesigned field proven electronics provides the ultimate reliability in the harshest work environments. BURNDY® battery actuated hydraulic tools provide a consistent, reliable connection every time. The PAT46-LI features BURNDY's Y46 tool head, capable of using all "P" and "U" style dies.

Each PATRIOT® tool uses standard BURNDY® dies and off-the-shelf connectors available world-wide. Supplied with a durable high impact formed carrying case to hold the tool, battery charger, two 18 volt Lithium-Ion batteries, tool retention lanyard, and die compartments to hold both "P" and "U" die sets (dies sold separately). All BURNDY® PATRIOT® tools are provided with a 5-year limited warranty. All PATRIOT® tools feature the BURNDY® INFINITY DRIVE® transmission which has a lifetime warranty.

PAT46C-LI — with rubber covered head is available.

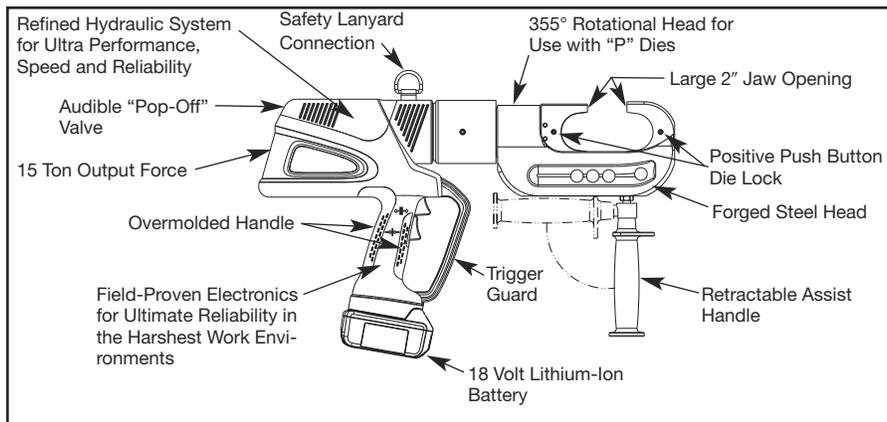
Features and Benefits

- BURNDY's largest battery actuated crimp tool providing 15-tons of output force with a 2" jaw opening
 - ◇ Allows users to install largest variety of splices, taps and terminals with one tool and provides easy placement and removal from continuous conductor lengths
- Redesigned field proved electronics
 - ◇ Provides the ultimate reliability in the harshest work environments



Features and Benefits (continued)

- Overmolded ergonomic handle
 - ◇ For comfort and improved grip; allows for one handed operation for advance, retract, and hold
- 18-volt (3.0 AH) Li-Ion batteries
 - ◇ Batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and 430% more lifetime work
 - ◇ Less "down-time" due to high capacity (3.0 AH), 18 volt Li-Ion battery
 - ◇ No voltage depression (memory issues)
- 30-minute smart charger
 - ◇ Controls current, voltage and temperature to maximize battery life
 - ◇ Forced air cooling fan cools the battery by forcing cool air through the battery's built-in air vents
- State of the art C-Head crimp design with 355° head rotation
 - ◇ Versatile tool head positioning lets user get into tight areas easier
- Retractable assist handle under head of tool for better handling of tool
 - ◇ Allows for better balance of tool and retractable for getting head into tight areas
- Durable high impact formed carrying case
 - ◇ Provides superior protection and stores all accessories
- PAT46C-LI with rubber covered head is available
- 5-year limited warranty on tool
- Lifetime warranty on INFINITY DRIVE®
- 1-year warranty on batteries and charger



SPECIFICATIONS

- Output Force:** 15 tons (13.6 metric tons)
- Total Weight:** 25.5 lbs. (11.88 kg)
- Length:** 20.77" (52.76 cm)
- Height:** 14.43" (36.65 cm)
- Width:** 3.70" (9.40 cm)
- Operating Voltage:** 18V-DC
- Recharge Time:** 30 minutes

FOR USE ON

Connector Type	Conductor Range
Copper, Terminals, #8 AWG str. - 1500 kcmil Code Cable, Navy Cable, Flexible and Extra Flexible 1/2" - 1" Ground Rods	grounding: to 500 kcmil YGA, YGHA, YGF Terminals, uninsulated: #8 to 1500 kcmil: YA, YA-2N, YA-L, YA-LB, YA-TC, YA-2LN, YAB-4N YAV-L Box, YAV-L, YAV-RS Box, YAV-RS, YA-TC-FX Terminals, insulated: #8 to 2/0 YAEV-L Box, YAEV-L, YAEV-H, YAEV-RS, YAEV-RH Splices: #8 to 1500 kcmil YS, YS-T, YS-L, YS-LB, YST, YSP-T, YGS, YGHS Taps: YH, YCHC #14 to 1000 kcmil, YC-C to 4/0 AWG Taps, grounding: to 500 kcmil YGHC-C, YGHP-C, YGHR-C
Aluminum #8 AWG - 1250 kcmil Code Cables	Terminals: YA-A, AYP, AYP0 Splices: YS-A, YS-AT, YRB Taps: YFD, YFN, YFO, YFR
ACSR	See BURNDY® Overhead Transmission and Distribution Catalog Module

ACCESSORIES

- Cutter Die:** Cat# **P15K**
Maximum Dia. 1.2"
- "U" Die Adapter:** Cat# **PUADP-1**
- Battery:** Cat# **BAT18VLI**
High Capacity Li-Ion (3.0 AH)
- Chargers:**
 - 120V-AC Cat# **PATCHGR-LI18V**
 - 12/24V-DC Cat# **PATCHGR-LIDC**
 - 240/250V-AC Cat# **PATCHGR-LI250V**

MCC500, MCC1000

Manual Cable Cutters

The MCC series cable cutters are precision cable cutters incorporating high leverage shear-type design capable of cutting up to 1000 kcmil copper and aluminum cables. Rugged steel blades and fiberglass construction provide cutting ease, long life and minimum cable distortion.

The MCC series cable cutters are warranted to be free from defects in material (excluding blades) and workmanship for one year.



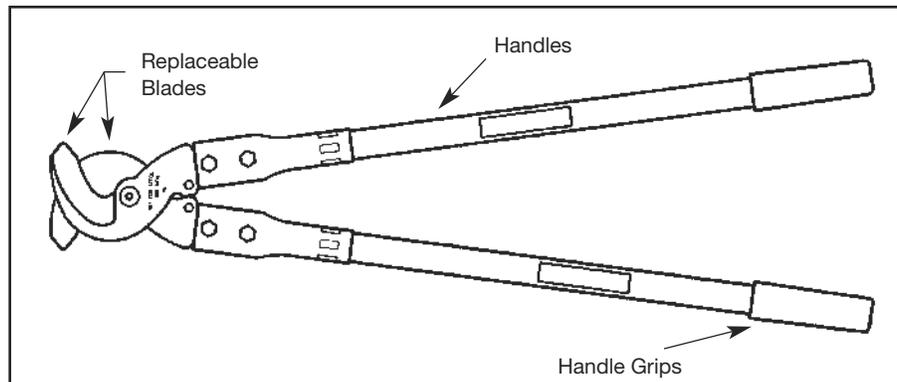
FEATURES

- High quality design and construction.
- Rugged high quality steel blades.
- Fiberglass handles with soft grips.

BENEFITS

- Easy cutting with minimal cable distortion.
- Excellent cutting edge performance.
- Provides comfortable tool operation and long life.

Catalog Number	Overall Length	Max. Capacity		Max. Insulation Diameter	Weight
		Copper	Aluminum		
MCC500	21" [533 mm]	500 kcmil	500 kcmil	1.25" [32 mm]	3.5 lbs. (1.5 kg)
MCC1000	32" [813 mm]	1000 kcmil	1000 kcmil	1.90" [48 mm]	9.0 lbs. (4.0 kg)



Replacement Blades

Catalog Number	Description
MCC500BLADESET	Replacement blades for MCC500
MCC1000BLADESET	Replacement blades for MCC1000

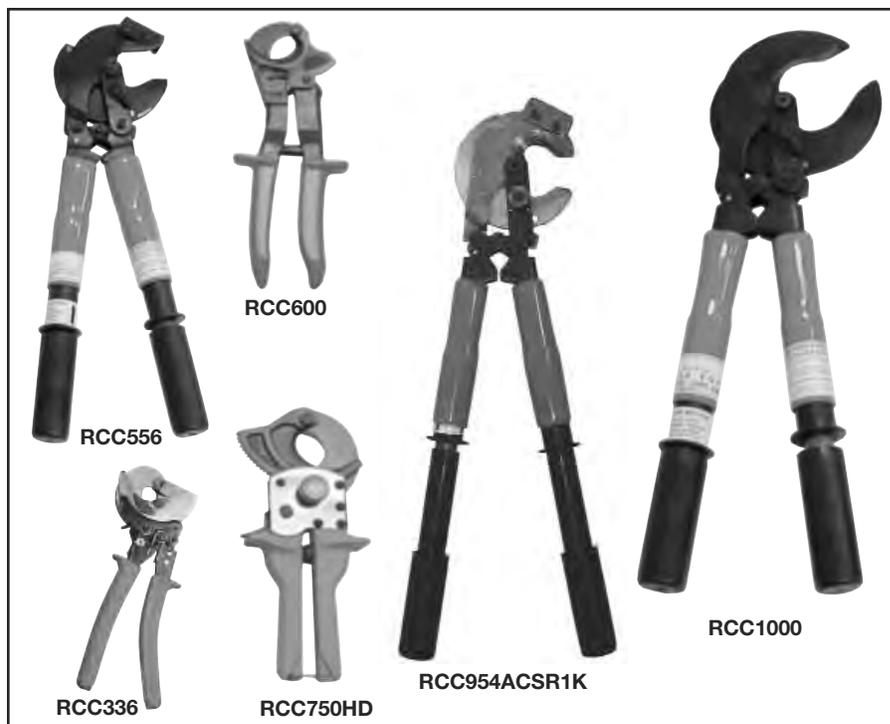
**RCC336, RCC556,
RCC600, RCC750HD,
RCC954ACSR1K,
RCC1000**

Ratchet Cable Cutters

The RCC series cable cutters are precision high quality tools designed to cut up to 954 ACSR and 1000 kcmil copper and aluminum. The tools are equipped with rugged steel blades, and a precision bi-directional ratchet mechanism for positive blade control, including where applicable, a fast action thumb slide collar for rapid blade advance and rugged fiberglass or non-slip grip handles. RCC600 and RCC750HD have cushion grip covered steel handles.

The RCC series cable cutters are warranted to be free from defects in material (excluding blades) and workmanship for one year.

For replacement blades, consult factory for details.

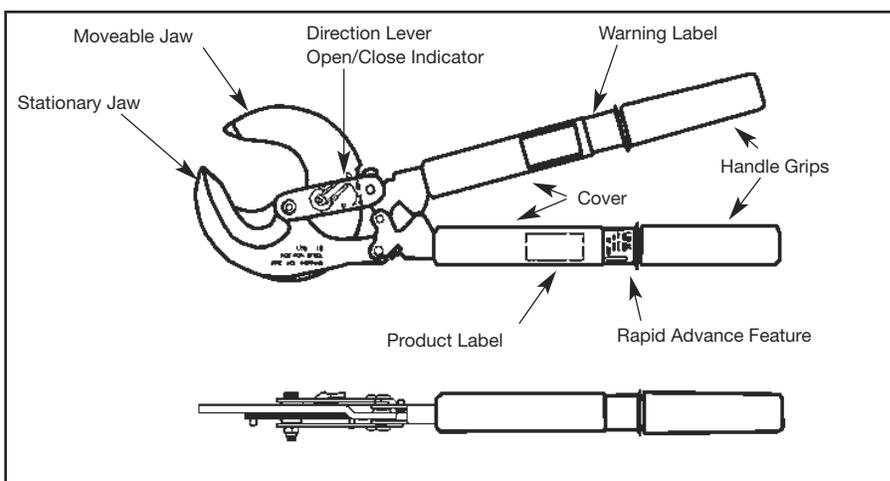


FEATURES

- Patented high strength steel blades.
- Quick release, bi-directional ratchet mechanism.
- Rapid blade advance.

BENEFITS

- Easy cutting with minimal cable distortion.
- Excellent cutting edge performance.
- Provides comfortable tool operation and long life.



Catalog Number	Overall Length	Maximum Capacity			Maximum Insulation Diameter	Weight
		Copper	Aluminum	ACSR		
RCC336	10.5" [267 mm]	350 kcmil [177 mm]	500 kcmil [253 mm]	336 kcmil [18.31 mm]	0.74" [18.8 mm]	1.2 Lbs. (0.5 kg)
RCC556	20" [508 mm]	500 kcmil [26.70 mm]	500 kcmil [26.70 mm]	556 kcmil [23.55 mm]	1.25" [31.75 mm]	4.5 Lbs. (2.0 kg)
RCC600	10" [254 mm]	600 kcmil [26.70 mm]	600 kcmil [26.70 mm]	—	1.25" [31.75 mm]	1.27 Lbs. (.57 kg)
RCC750HD	10.5" [267 mm]	750 kcmil [29.36 mm]	750 kcmil [29.36 mm]	—	1.62" [41.15 mm]	2.43 Lbs. (1.1 kg)
RCC954ACSR1K	22.75" [578 mm]	1000 kcmil [33.27 mm]	1000 kcmil [33.27 mm]	954 kcmil [30.38 mm]	1.38" [35.05 mm]	6.5 Lbs. (2.95 kg)
RCC1000	20" [508 mm]	1000 kcmil [33.27 mm]	1000 kcmil [33.27 mm]	—	2.375" [60.32 mm]	4.5 Lbs. (2.0 kg)

YCUT129ACSR

Hydraulic Hand Operated Cutter

The BURNDY® YCUT129ACSR incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The cutter head rotates 180 degrees to allow users to get into tight areas easier. The YCUT129ACSR weighs only 11.4 pounds, yet delivers 7 tons of cutting force. The YCUT129ACSR with its hardened steel blades is capable of cutting up to 1.29" diameter bare or insulated copper and aluminum cable, 1113 ACSR, 5/8" ground rod, 1/2" rebar and 5/8" diameter soft steel bolts 1/2" standard guy strand and up to 3/8" EHS guy strand.

The YCUT129ACSR comes equipped with a high impact formed carrying case to hold the tool and accessories. The BURNDY® YCUT129ACSR is provided with a 5-year limited warranty (excluding blades).



SPECIFICATIONS

- Force Developed:** 7 U.S. short tons
- Tool Weight:** 11.4 lbs. (5.1 kg)
- Length:** 22.4" (56.9 cm)
- Width:** 2.5" (6.4 cm)
- Height:** 6.6" (16.8 cm)

FOR USE ON

- Copper Cable: up to 1.29"
- Aluminum Cable: up to 1.29"
- ACSR: up to 1113 ACSR
- Ground Rod: up to 5/8"
- Rebar: up to 1/2"
- Soft Steel Bolts: up to 5/8"
- Standard Guy Strand: up to 1/2"
- EHS Guy Strand: up to 3/8"

ACCESSORIES

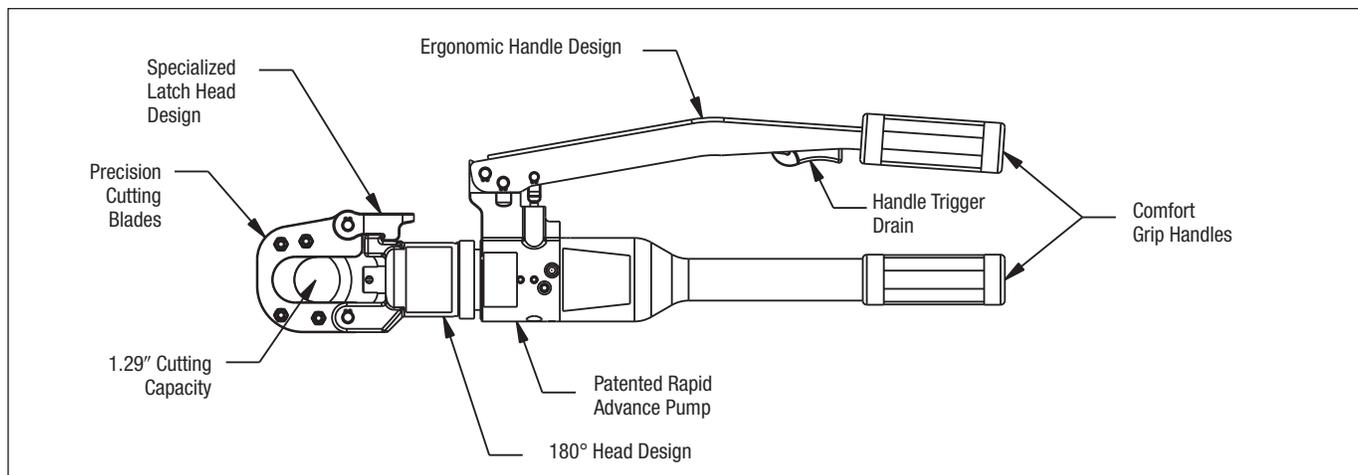
- **Carrying Case:** Cat# PT10024162

Replacement Blades:

- Cat# PT10037388
(Moving Blade)
- Cat# PT10037384
(Fixed Blade)

Features and Benefits

- Patented rapid advance pump.
 - ◇ Faster cuts with less hand strokes.
- Specialized latch head design.
 - ◇ Interference free closure on mid-span cuts.
- Handle trigger drain
 - ◇ For convenient blade retraction.
- Hardened steel blades.
 - ◇ Ability to cut ACSR, ground rods, rebar and guy wire.
- Comfort grip handles.
 - ◇ Help ease fatigue with continuous use.
- 180-degree head rotation.
 - ◇ Versatile head positioning to get into tight areas easier.
- Durable high impact formed carrying case.
 - ◇ Provides tool protection and stores accessories.
- 5-year limited warranty on tool (excluding blades).
 - ◇ Customer satisfaction and support.



BCC1000CUAL

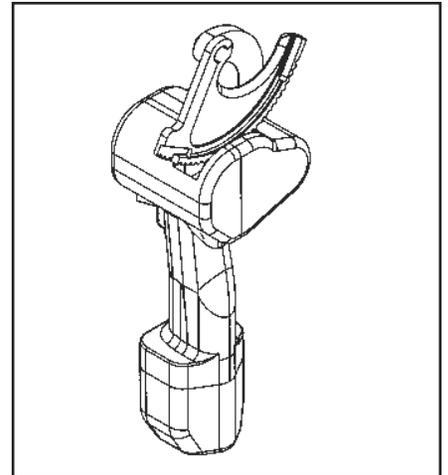
Battery Actuated Cable Cutter

The BURNDY® BCC1000CUAL is a 12 V-DC battery actuated cable cutter capable of cutting up to 750 kcmil hard drawn copper cable, and up to 1000 kcmil soft drawn copper and up to 2" O.D. aluminum cable. DO NOT CUT STEEL or ACSR. The BCC1000CUAL comes with battery powered cutting tool, sealed nickel cadmium 12 V battery, 120V AC charger, carrying case, and wrist loop which provides added security when making cuts overhead.

The BURNDY® BCC1000CUAL is designed to cut copper and aluminum cables in a limited amount of space. The BCC1000CUAL makes fast reliable cuts without stress to the user. Just squeeze the trigger and it will cut through your toughest copper and aluminum cables. The BCC1000CUAL has a three-way switch (forward, reverse, and neutral) which allows the user to make partial cuts, back off cables, or make adjustments during cutting.

The battery charge time is approximately 1 hour for a fast charge (80%), 4 to 6 hours for a quick charge, and 14 to 16 hours for a standard charge (100%). The 12 V battery can be recharged approximately 1,000 times.

The BCC1000CUAL (excluding cutting blades) is warranted to be free of defects in material and workmanship for a period of 90 days, except in the case of abuse or modification.



FEATURES

- Hook head design.
- Three way switch.
- Hardened steel blades.
- Ergonomic design.
- Wrist loop.

BENEFITS

- Simplifies conductor cutting and allows working in tight spaces.
- Allows backing off cable, partial cuts, and adjusting during cutting.
- Helps ensure consistent cuts and longer blade life.
- Prevents hand/wrist injury.
- Withstands rugged use. Resists oil and solvents.
- Added security when cutting cables overhead.

ACCESSORIES

Catalog Number	Item Description
BCCBAT12V	BCC1000CUAL Battery
BCCCHGR	BCC1000CUAL Charger
BCCCASE	BCC1000CUAL Carrying Case
RP50RP03	BCC1000CUAL Moving Blade
RP50RP02	BCC1000CUAL Fixed Blade

SPECIFICATIONS

Cutting Tool

Specifications	Description
Drive Unit:	12 V-DC Motor
Dimensions:	4" L × 4.5" W × 14.5" H
Weight:	6 lbs.
Cutting Capacity:	1000 kcmil soft drawn copper, 750 kcmil hard drawn copper and up to 2" O.D. aluminum

Battery

Specifications	Description
Battery Type:	Sealed nickel cadmium
Voltage:	12 V-DC
Rated Capacity:	1.2 A/hr
Charge Time:	Fast, approx. 1 hour Quick, 4-6 hours Standard, 14-16 hours
Dimensions:	2.75" L × 2.7" W × 4.75" H
Weight:	1.4 lb.

Battery Charger

Specifications	Description
Input Voltage:	120 V-AC
Input Frequency:	60 Hz
Input Current:	110/120V
Dimensions:	5.7" L × 3" W × 2.8" H
Weight:	2.2 lbs.

FOR USE ON

Maximum conductors accommodated:
 750 kcmil hard drawn copper
 1000 kcmil soft drawn copper
 1000 kcmil aluminum

PATRIOT® PATCUT129ACSR-18V

Battery Actuated Tool

Hydraulic Self-Contained Cutter

The BURNDY® PATCUT129ACSR-18V battery powered cutting tool is compact, fast, easy to use and incorporates the latest in battery tool technology. The ergonomic design allows one hand operation so that the other is free to manipulate the conductor in the proper cutting position. The PATCUT129ACSR-18V incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The cutter head rotates 180 degrees to allow users to get into tight areas easier. The PATCUT129ACSR-18V is capable of cutting up to 1.29" diameter copper and aluminum cable, 1113 ACSR, 5/8" ground rod, 1/2" rebar, 5/8" diameter soft steel bolts, up to 1/2" standard guy strand, and up to 3/8" EHS guy strand.

The PATCUT129ACSR-18V operates on industry standard 18-volt Ni/MH batteries that eliminate voltage depression or "memory" issues. The PATCUT129ACSR-18V comes equipped with a high impact formed carrying case to hold the tool, a tool retention lanyard, a battery charger and two batteries. The PATCUT129ACSR-18V is provided with a 5-year limited warranty (excluding blades), and 1-year on batteries and charger.



Features and Benefits

- Battery powered cutting technology.
 - ◇ Easy tool operation and portability.
- Advance design high-speed pump completes tough cuts faster.
 - ◇ Longer life, efficiency, and reliability.
- Specialized latch head design.
 - ◇ Interference free closure for mid-span cuts.
- Ergonomic design allows one hand operation.
 - ◇ User has one hand free to manipulate material to be cut.
- 180 degree head rotation.
 - ◇ Versatile head positioning allows user to get into tight areas easier.
- Mechanical ram release.
 - ◇ Reliable ram release (no battery power consumption).
- Operates on 18 volt Ni-MH batteries.
 - ◇ Eliminates voltage depression or "memory" issues.
- Durable high impact formed carrying case.
 - ◇ Provides tool protection and stores all accessories.
- 5-year limited warranty on tool (excluding blades) and 1 year on batteries and charger.
 - ◇ Customer satisfaction and support.

SPECIFICATIONS

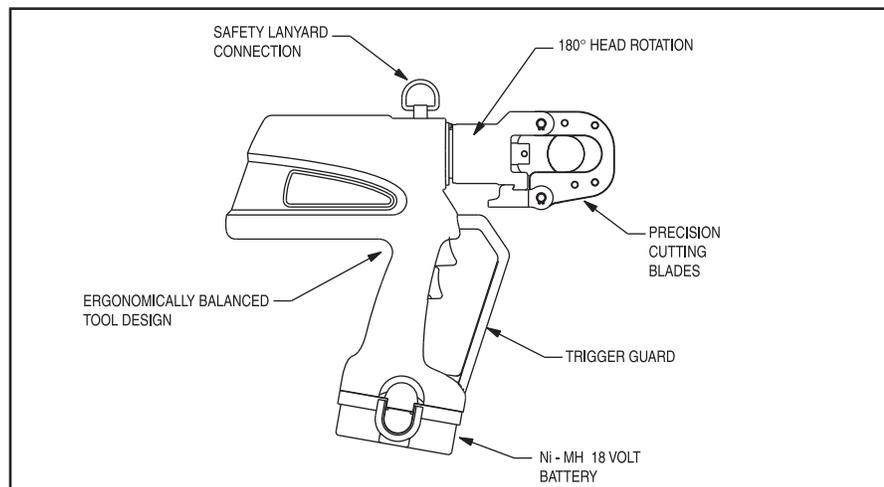
- Tool Weight:** 11 lbs.
- Length:** 14.5"
- Width:** 3.5"
- Height:** 13.5"
- Operating Voltage:** 18 V-DC
- Recharge Time:** < 45 mins.

FOR USE ON

- Copper Cable: up to 1.29"
- Aluminum Cable: up to 1.29"
- ACSR: up to 1113 ACSR
- Ground Rod: up to 5/8"
- Rebar: up to 1/2"
- Soft Steel Bolts: up to 5/8"
- Standard Guy Strand: up to 1/2"
- EHS Guy Strand: up to 3/8"

ACCESSORIES

- **Lanyard:** Cat# **PT208620**
- **Battery:** Cat# **BAT18V**
Hi-capacity (2.6 AH)
- **Charger:**
120V-AC Cat# **PATCHGR18V**
12/24V-DC Cat# **BCT/PATDCCHGR**
240/250V-AC Cat# **PATCHGR250V**
- **Replacement Blades:**
Cat# **PT10037388**
(Moving Blade)
Cat# **PT10037384**
(Fixed Blade)



**PATRIOT®
PATCUT129-LI**

**18 Volt Lithium-Ion
Battery Actuated Cutter**

**Hydraulic Self-Contained
Cutting Tool**

The BURNDY® PATRIOT® PATCUT129-LI Lithium-Ion tool incorporates the latest engineering technology with a refined hydraulic system for ultra performance, speed and reliability. The redesigned field proven electronics provide the ultimate reliability in the harshest work environments. All BURNDY® battery actuated hydraulic tools provide a consistent cut every time.

The PATCUT129-LI battery powered cutting tool is compact, fast, easy to use and incorporates the latest in battery tool technology. The ergonomic design allows one hand operation so that the other is free to manipulate the conductor in the proper cutting position. The PATCUT129-LI incorporates a specialized latch-style cutting head that allows interference-free closure for mid-span cuts. The cutter head rotates 180 degrees to allow users to get into tight areas easier. The PATCUT129-LI is capable of cutting up to 1.29" diameter copper and aluminum cable, 1113 ACSR, 5/8" ground rods, 1/2" rebar, 5/8" diameter soft steel bolts, up to 1/2" standard guy strand, and up to 3/8" EHS guy strand.

The PATCUT129-LI is supplied with a durable high impact formed carrying case to hold the tool, battery charger, two 18 volt Lithium-Ion batteries and tool retention lanyard. The PATCUT129-LI is provided with a 5-year limited warranty (excluding blades), and 1-year on batteries and charger. All PATRIOT® tools feature the BURNDY® INFINITY DRIVE® transmission which has a lifetime warranty.



Features and Benefits

- Refined hydraulic system for ultra performance, speed and reliability
- Field proven electronics for ultimate reliability in the harshest environments
- Overmolded handle for comfort and improved grip; allows for one-handed operation for advance, retract, and hold
- Specialized latch head design for interference free closure for mid-span cuts
- 18-volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work
- 30 minute charger controls current, voltage and temperature to maximize battery life
- Forced air cooling fan cools the battery by forcing cool air through the battery's built-in air vents
- 180° head rotation allows user to get into tight areas easier
- Ergonomically balanced tool design eases operation and lessens fatigue
- Durable high impact formed carrying case provides superior protection and stores all accessories
- 5-year limited warranty on tool (excluding blades)
- Lifetime warranty on INFINITY DRIVE®
- 1-year warranty on batteries and charger

SPECIFICATIONS

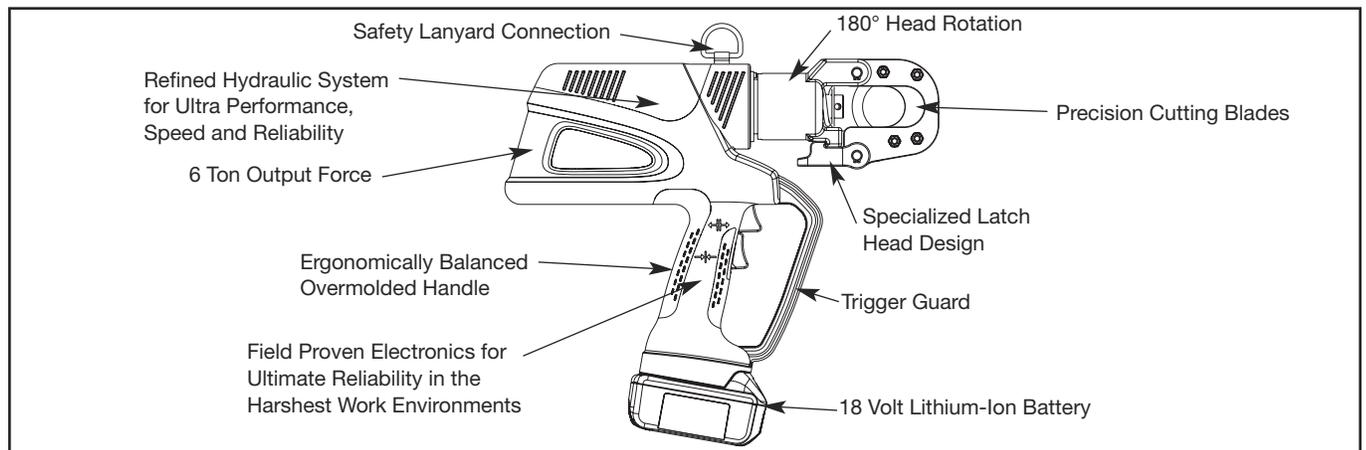
Tool Weight: 10.2 lbs (4.6 kg) with Battery
Length: 14.5" (36.8 cm)
Width: 3.5" (8.9 cm)
Height: 13.5" (34.3 cm)
Operating Voltage: 18 V-DC
Recharge Time: 30 minutes

FOR USE ON

Copper & Aluminum Cable:	Up to 1.29"
ACSR:	Up to 1113
Ground Rod:	Up to 5/8"
Rebar:	Up to 1/2"
Soft Steel Bolts:	Up to 5/8"
Standard Guy Strand:	Up to 1/2"
EHS Guy Strand:	Up to 3/8"

ACCESSORIES

- Battery:** Cat# **BAT18VLI**
(3.0 AH) Hi-capacity
- Chargers:**
 120V-AC Cat# **PATCHGR-LI**
 12/24V-DC Cat# **PATCHGR-LIDC**
 240/250V-AC Cat# **PATCHGR-LI250V**
- Replacement Blades:**
 Cat# **PT10037388**
 (Moving Blade)
 Cat# **PT10037384**
 (Fixed Blade)
- Lanyard:** Cat# **PT208620**



PATRIOT® PATCUT245CUAL-18V

Battery Actuated Tool

Hydraulic Self-Contained Cutter

The BURNDY® PATCUT245CUAL-18V battery powered cutting tool is compact, fast, easy to use and incorporates the latest in battery tool technology. The ergonomic design allows one hand operation so that the other is free to manipulate the conductor in the proper cutting position. The PATCUT245CUAL-18V incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The cutter head rotates 180 degrees to allow users to get into tight areas easier. The PATCUT245CUAL-18V is capable of cutting up to 2.45" diameter copper and aluminum cable.

The PATCUT245CUAL-18V operates on industry standard 18-volt Ni/MH batteries that eliminate voltage depression or "memory" issues. The PATCUT245CUAL-18V comes equipped with a high impact formed carrying case to hold the tool, a tool retention lanyard, a battery charger and two batteries. The PATCUT245CUAL-18V is provided with a 5-year limited warranty (excluding blades), and 1-year on batteries and charger.



Features and Benefits

- Battery powered cutting technology.
 - ◇ Easy tool operation and portability.
- Advance design high-speed pump completes tough cuts faster.
 - ◇ Longer life, efficiency, and reliability.
- Specialized latch head design.
 - ◇ Interference free closure for mid-span cuts.
- Ergonomic design allows one hand operation.
 - ◇ User has one hand free to manipulate material to be cut.
- 180-degree head rotation.
 - ◇ Versatile head positioning allows user to get into tight areas easier.
- Mechanical ram release.
 - ◇ Reliable ram release (no battery power consumption).
- Operates on 18-volt Ni/MH batteries.
 - ◇ Eliminates voltage depression or "memory" issues.
- Durable high impact formed carrying case.
 - ◇ Provides tool protection and stores all accessories.
- 5-year limited warranty on tool (excluding blades) and 1-year on batteries and charger.
 - ◇ Customer satisfaction and support.

SPECIFICATIONS

Tool Weight:	14.5 lbs. (5.4 kg)
	With Battery
Length:	18" (45.7 cm)
Width:	3.75" (9.5 cm)
Height:	14.75" (37.5 cm)
Operating Voltage:	18 V-DC
Recharge Time:	< 45 mins.

FOR USE ON

Copper and	Up to 2.45" O.D
Aluminum Cable:	(62.2 mm)

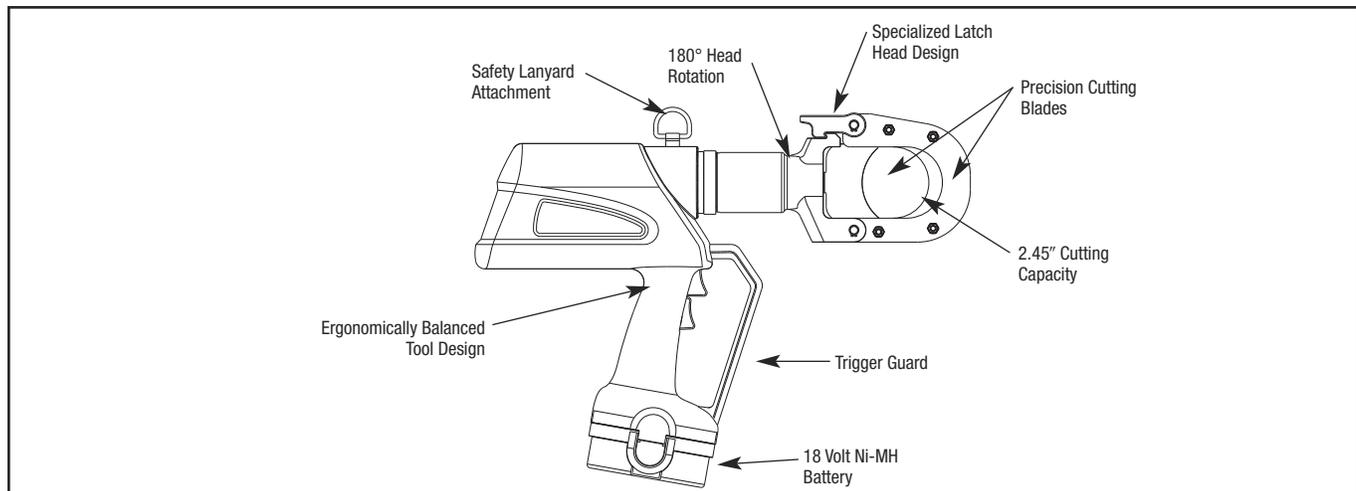
For Copper and Aluminum cable only. Do not cut steel, ground rod, rebar, or guy wire.

ACCESSORIES

- **Carrying Case:** Cat# **PT10044980**
- **Lanyard:** Cat# **PT208620**
- **Battery:** Cat# **BAT18V**
Hi-capacity (2.6 AH)
- **Charger:**

120V-AC	Cat# PATCHGR18V
12/24V-DC	Cat# BCT/PATDCCHGR
240/250V-AC	Cat# PATCHGR250V
- **Replacement Blades:**

Cat# PT10038657	(Moving Blade)
Cat# PT10040663	(Fixed Blade)



**PATRIOT®
PATCUT245-LI**

**18 Volt Lithium-Ion
Battery Actuated Cutter**

**Hydraulic Self-Contained
Cutting Tool**

The BURNDY® PATRIOT® PATCUT245-LI Lithium-Ion tool incorporates the latest engineering technology with a refined hydraulic system for ultra performance, speed and reliability. The redesigned field proven electronics provide the ultimate reliability in the harshest work environments. All BURNDY® battery actuated hydraulic cutting tools provide a consistent cut every time.

The PATCUT245-LI battery powered cutting tool is compact, fast, easy to use and incorporates the latest in battery tool technology. The ergonomic design allows one hand operation so that the other is free to manipulate the conductor in the proper cutting position. The PATCUT245-LI incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The cutter head rotates 180 degrees to allow users to get into tight areas easier. The PATCUT245-LI is capable of cutting up to 2.45" diameter copper and aluminum cable.

The PATCUT245-LI is supplied with a durable high impact formed carrying case to hold the tool, battery charger, two 18 volt Lithium-Ion batteries and tool retention lanyard. The PATCUT245-LI is provided with a 5-year limited warranty (excluding blades), and 1-year on batteries and charger. All PATRIOT® tools feature the BURNDY® INFINITY DRIVE® transmission which has a lifetime warranty.



Features and Benefits

- Refined hydraulic system for ultra performance, speed and reliability
- Field proven electronics for ultimate reliability in the harshest environments
- Overmolded handle for comfort and improved grip; allows for one-handed operation for advance, retract, and hold
- Specialized latch head design for interference free closure for mid-span cuts
- 18-volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work
- 30 minute charger controls current, voltage and temperature to maximize battery life
- Forced air cooling fan cools the battery by forcing cool air through the battery's built-in air vents
- 180° head rotation allows user to get into tight areas easier
- Ergonomically balanced tool design eases operation and lessens fatigue
- Durable high impact formed carrying case provides superior protection and stores all accessories
- 5-year limited warranty on tool (excluding blades)
- Lifetime warranty on INFINITY DRIVE®
- 1-year warranty on batteries and charger

SPECIFICATIONS

- Tool Weight:** 13.7 lbs (6.2 kg)
With Battery
- Length:** 18.1" (45.9 cm)
- Width:** 3.5" (8.9 cm)
- Height:** 13.5" (34.3 cm)
- Operating Voltage:** 18 V-DC
- Recharge Time:** 30 minutes

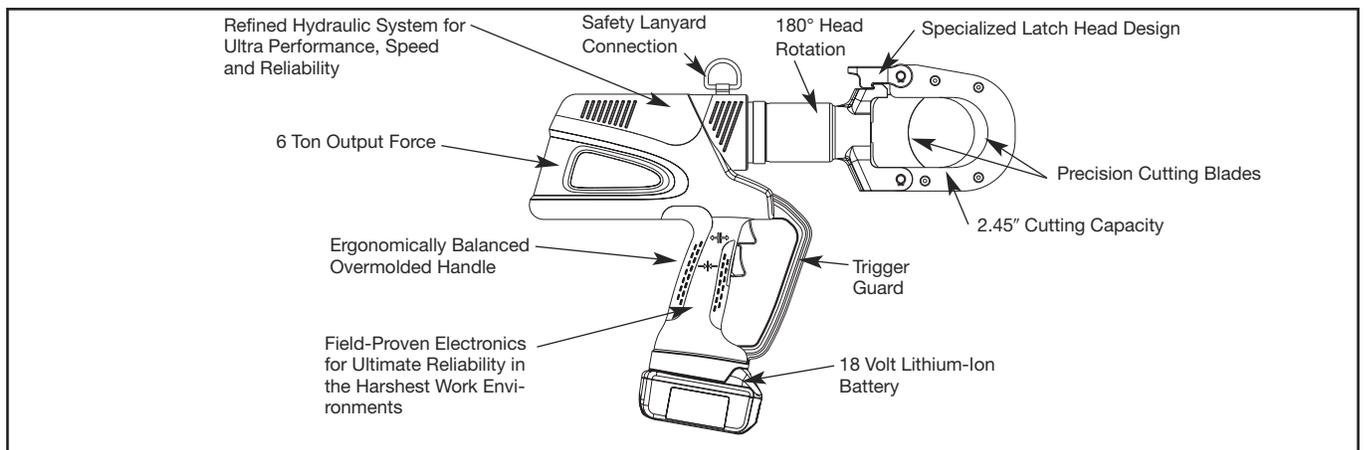
FOR USE ON

Copper & Aluminum Cable: Up to 2.45" O.D.

For Copper and Aluminum cable only. Do not cut steel, ground rods, rebar, or guy wire.

ACCESSORIES

- Battery:** Cat# **BAT18VLI**
(3.0 AH) Hi-capacity
- Chargers:**
 - 120V-AC Cat# **PATCHGR-LI**
 - 12/24V-DC Cat# **PATCHGR-LIDC**
 - 1240/250V-AC Cat# **PATCHGR-LI250V**
- Replacement Blades:**
 - Cat# **PT10038657**
(Moving Blade)
 - Cat# **PT10040663**
(Fixed Blade)
- Lanyard:** Cat# **PT208620**



Y10AC9

Electric Hydraulic Pump

Hydraulic Output Pressure of 10,000 PSI

The Y10AC9 electric hydraulic pump is for use with all HYPRESS™ heads and cutters requiring 10,000 PSI operating pressure. The Y10AC9 is equipped with a built-in, factory set pressure relief valve. An audible “pop” and recycling of the pump as well as relaxing of the hose signal completion of the crimping/cutting cycle. Pump is supplied with a durable hand-held electric pendant switch.

Features and Benefits

- Lightweight, small size.
 - ◇ Easy to lift, carry and transport tool around job site with lightweight body and handle.
- Factory set relief valve.
 - ◇ High quality crimps are achieved with built-in, factory set pressure relief valve and audible recycling of pump to signal completion of crimp cycle.
- 100,000 (+) life cycles.
 - ◇ Long durable life expectancy with lightweight cast aluminum reservoir body.



Specifications

- Motor:** 115V AC 50/60 Hz
5/8 HP, 10,000 rpm
11 amp current draw
- Reservoir Volume:** 1.61 quarts
- Height:** 14.38"
- Base:** 6.5" × 8.25"
- Weight:** 28 lbs. (with oil)

FOR USE ON

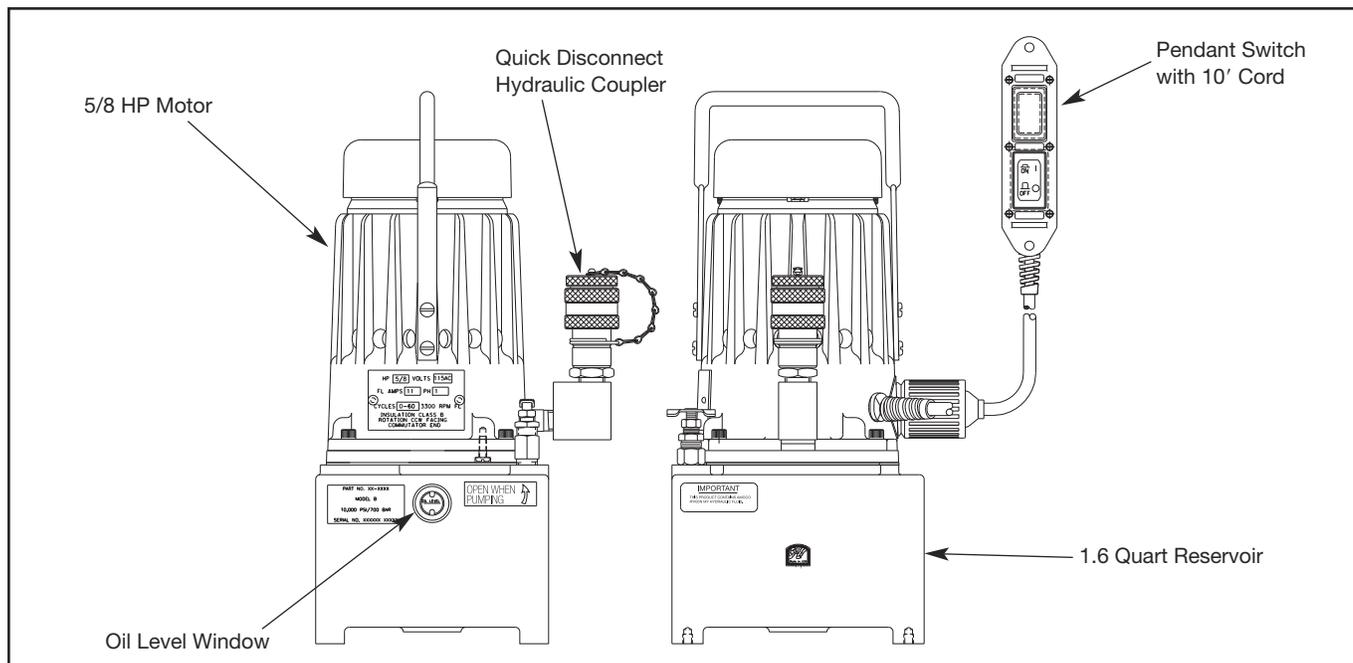
Y34BH, Y35BH, Y35BH4, Y39BH, Y45, Y46, Y46C, Y750BHXT, Y750CBHXT, Y644MBH, Y4PC834MBH, Y81KFTMBH, Y60BHU, RHCC129ACSR, RHCC245CUAL

ACCESSORIES

- Catalog Number: YAC-CASE**
Steel carrying case with handle and locking latch.

The BURNDY® **Y10AC9OEM** is an additional electric hydraulic pump offering that comes equipped with a foot switch and “jog-and-hold” feature. Keep both hands on the connection with the Y10AC9OEM pump kit. For further details please contact customer service.

- Convenient 115V AC electric powered motor.
- Saves time with quick disconnect hydraulic fitting.
- Sealed electric pendant switch.
 - ◇ Easy operation with durable remote pendant switch with 10-foot cord.
- 5-year limited warranty.



EPP10 AND EPP6

EPP Series Electric/Hydraulic Pump

Hydraulic Output Pressures
of 10,000 PSI and 6,000 PSI

The lightweight and durable EPP10 electric/hydraulic pump is for use with all BURNDY® HYPRESS™ remote heads and cutters requiring 10,000 PSI operating pressure. Both the EPP10 and the EPP6 are equipped with a built-in, factory set pressure relief valve. An audible “pop” and recycling of the pump and relaxing of the hose, signals completion of the crimping/cutting cycle. Both pumps are supplied with a durable hand-held electric pendant switch, for remote operation of the unit, and have a manual selection switch mounted for operation of the unit at the pump. The operator can select which method is best suited for the application.

An optional carry/shipping case can be ordered. All EPP Series pumps have been life cycle tested to over 100,000 cycles without failure, and are warranted to be free of defects in materials and workmanship for five (5) years when properly maintained and operated.



FEATURES

- Lightweight.
- Small size.
- Factory set relief valve.
- 100,000 (+) life cycles.
- Sealed electric pendant switch.

BENEFITS

- High quality crimps are achieved with built in, factory set pressure release valve and audible recycling of pump to signal completion of crimp cycle.
- Easy to lift, carry and transport tool around job site with lightweight body and handle.
- Convenient 115 V-AC electric powered motor.
- Durable remote pendant switch.
- Easy operation controlled with pendant switch, or manual switch.
- Saves time with quick disconnect hydraulic fitting.
- Long durable life expectancy with lightweight cast aluminum reservoir body.
- 5-year limited warranty.

SPECIFICATIONS

Motor: 115 V-AC/60 Hz
1/2 HP @ 3450 RPM

**Maximum
current draw:** 12.5 amperes
Reservoir volume: 2 qts.
Height: 16"
Base: 6" × 8"
Weight: 30 lbs.

FOR USE ON

EPP10 10,000 Y34BH, Y35BH, Y35BH-4,
Y39BH, Y45, Y46, Y46C,
Y60BHU, 750BH,
Y750BH-2, Y644MBH,
RHCC Series Cutters

EPP6 6,000 Y35L, Y28B

ACCESSORIES

Cat. No. **EPPCASE-1**
Steel carrying case with handle and locking latch.

Y750BHXT AND Y750CBHXT RUBBER COVERED HEAD

HYPRESS™

12-Ton Remote Power Operated Hydraulic Tool

Conductor Range:
 #14 - 750 kcmil Al/Cu
 #4 - 556.5 kcmil ACSR

12 ton remote power operated hydraulic tool. The Y750BHXT HYPRESS™ incorporates a wide mouth (1.65") C-shaped head for all compression applications. The hook style head provides for easy tapping, splicing, and terminating of overhead lines as well as the full range of HYGROUND® compression grounding system connectors, NEC cable connections and N30 - N650 Navy cable applications.

All standard BURNDY® "U" dies fit the Y750BHXT and Y750CBHXT HYPRESS™. Dies and accessories sold separately.

The Y750CBHXT has a permanently molded rubber covered head and includes a separate rubber molded boot that covers the lower body and hydraulic fitting for tool impact protection. 5-year limited warranty.



BENEFITS

- Covers a wide range of applications and provides easy tool removal from continuous conductors with its C-shaped head (1.65" opening).
- Easy die change out and retention with exposed positive die lock buttons.
- Uses all standard BURNDY® U-dies.
- Y750CBHXT provides molded rubber covering on head, body and hose fittings.
- Hot stick adapter sold separately.
- Infinitely rotatable head, so hydraulic couplers won't easily loosen.
- 5-year limited warranty.

SPECIFICATIONS

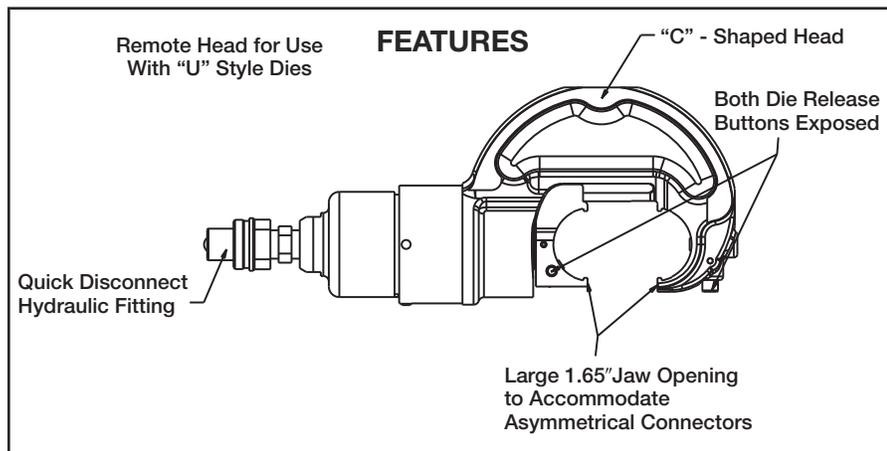
Operating pressure: 10,000 psi
 Force developed: 12 tons
 Jaw opening: 1.65" (42 mm)
 Length: 12.8" (325 mm)
 Weight: 10.3 lbs. (4.7 kg)
 Head width: 5.2" (132 mm)

FOR USE ON

- **Tension Sleeves**
 - Copper #8 sol - 500 kcmil
 - Aluminum #6 sol. - 556.5 kcmil
 - ACSR #4 - 556.5 kcmil
- **Taps**
 - Copper #14 solid - 500 kcmil
 - Aluminum #6 - 500 kcmil
- **Aerial Cable**
 - Copper #6 - 500 kcmil
- **Terminals and Splices**
 - Aluminum #8 - 750 kcmil
 - Copper #8 - 750 kcmil
 - ACSR #4 - 556 kcmil
- **HYGROUND® (Compression Grounding)**
 - Copper #6 - 500 kcmil (cable/ground rod)
 - Ground Rods 1/2" - 1" Diameter

ACCESSORIES:

Cat. No.	Description
PT29402-1	Adjustable head grip for joining head to universal hot sticks.
PT29279-2	Force test gauge for accurate visual reading of output force.
PT29291	Die Case Steel case for storage and protection of "U" dies.
WIREMIKE	Provides quick and easy identification of commonly used conductors.



Y46 AND Y46C

HYPRESS™

15 Ton Force Remote Operated Hydraulic Tool—10,000 PSI

The Y46 standard tool and Y46C rubber covered tools are lightweight, compact and versatile with installation dies for both circumferential and nest-indentor types. Accessories include “U-” die adapter, a cable cutting die for 1.2” diameter non-steel conductors, plus a lifting eye and universal hot-stick adapter for overhead line construction. 5-year limited warranty.



BENEFITS

- Compact “C” shaped head allows easy placement and removal from continuous conductor lengths.
- Versatile and economical-HYPRESS™ tools work on all commonly used copper and aluminum products.
- Dies and adapters lock into or remove from tool head easily with the positive push button die locks.
- Safety, strength and high quality is provided with strong forged steel and precision machined components.
- Excellent for HYGROUND® compression grounding applications through 1” ground rods and up to 500 kcmil taps, terminals and splices.
- Provides UL Listed and CSA Certified connections when used in conjunction with listed BURNDY® HYLUG™ terminals and HYLINK™ splices.
- Y46C has a permanently molded head of 3/16” rubber and includes a separate molded rubber boot to cover the lower HYPRESS™ body and hydraulic coupler for impact protection.

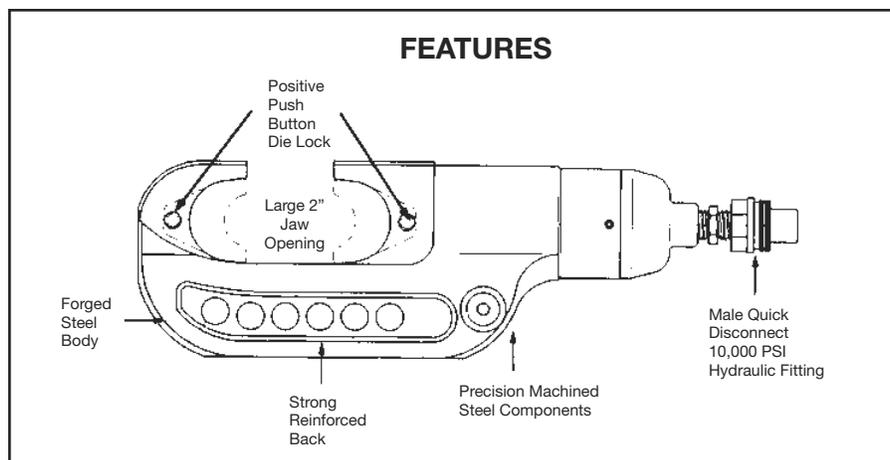
SPECIFICATIONS

	Y46	Y46C
Force developed:	15 Tons	15 Tons
Operating pressure:	10,000 psi	10,000 psi
Jaw opening:	2”	2”
Maximum width:	4-1/2”	4-3/4”
Overall length:	15”	21-3/4”
		(incl. boot)
Weight (less case):	16 lbs.	17-1/2 lbs.
Molded Covering:	No	Yes

FOR USE ON

Connector Type	Conductor Range
Copper #8 AWG str.-1500 kcmil	Terminals-Grounding to 500 kcmil YGA, YGHA, YGF
Code Cable	Terminals-Uninsulated #8 to 1500 kcmil YA, YA-2N, YA-L, YA-LB, YA-TC, YA-2LN, YAB-4N, Flexible and Extra Flexible
1/2”-1” Ground Rods	YAV-L Box, YAV-L, YAV-RS Box, YAV-RS, YA-TC-FX
	Terminals-Insulated #8 to 2/0 YAEV-L Box, YAEV-L, YAEV-H, YAEV-RS, YAEV-RH
	Splices #8 to 1500 kcmil YS, YS-T, YS-L, YS-LB, YST, YSP-T, YGS, YGHS
	Taps YH, YCHC #14 to 1000 kcmil YC-C to 4/0 AWG
	Taps-Grounding to 500 kcmil YGHC-C, YGHP-C, YGHR-C
Aluminum #8 AWG-1250 kcmil	Terminals YA-A, AYP, AYPO
Code Cables	Splices YS-A, YS-AT, YRB
	Taps YFD, YFN, YFO, YFR
ACSR	See Burndy Overhead Transmission and Distribution Catalog Module

FEATURES



ACCESSORIES:

- Cat. No.**
- P15K** Cutter die max. 1.2” dia.
 - PUADP-1** “U”-die adapter
 - PT10128** Universal hotstick adapter-Y46
 - Y46-2** Same as Y46 with Female coupler

RHCC129ACSR

10,000 PSI Remote Cable Cutter

Remote Power Operated Hydraulic Cable Cutter

The BURNDY® RHCC129ACSR remote hydraulic cable cutter incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The RHCC129ACSR with its precision cutting blades is capable of cutting up to 1.29" diameter bare or insulated copper and aluminum cable, 1113 ACSR, 5/8" ground rod, 1/2" rebar, 5/8" diameter soft steel bolts, 1/2" standard guy strand, and up to 3/8" EHS guy strand.

The RHCC129ACSR is provided with a 5-year limited warranty (excluding blades).



Features and Benefits

- Specialized latch head design.
 - ◊ Interference free closure for mid-span cuts.
- Precision cutting blades.
 - ◊ For clean cuts on Cu/Al, ACSR, ground rods, rebar, guy strand, and soft steel bolts.
- High strength steel cylinder.
 - ◊ For durability and long life.
- Lightweight ergonomic design allows one hand operation.
 - ◊ User has one hand free to manipulate material to be cut.
- Durable canvas carrying bag.
 - ◊ Provides tool protection and stores all accessories.
- 5-year limited warranty on tool (excluding blades).
 - ◊ Customer satisfaction and support.

SPECIFICATIONS

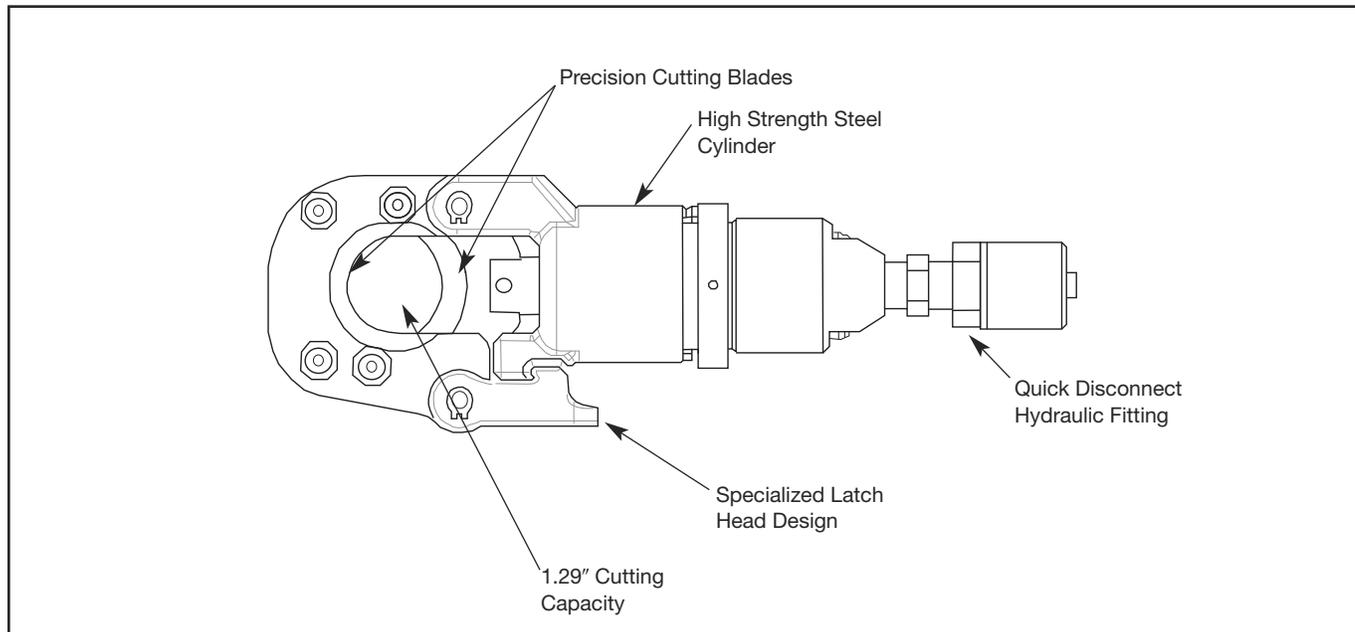
- Operating Pressure:** 10,000 psi (700 bar)
- Tool Weight:** 5.85 lbs. (2.65 kg)
- Length:** 11.25" (286 mm)
- Width:** 3.7" (94 mm)

FOR USE ON

- Copper Cable: up to 1.29"
- Aluminum Cable: up to 1.29"
- ACSR: up to 1113 ACSR
- Ground Rod: up to 5/8"
- Rebar: up to 1/2"
- Soft Steel Bolts: up to 5/8"
- Standard Guy Strand: up to 1/2"
- EHS Guy Strand: up to 3/8"

ACCESSORIES

- Canvas Bag:** Cat# **PT10043890**
- Replacement Blades:** Cat# **PT10037388** (Moving Blade)
Cat# **PT10037384** (Fixed Blade)
- Hot Stick Adapter:** Cat# **RHCCHSA**



RHCC245CUAL

10,000 PSI Remote Cable Cutter

Remote Power Operated Hydraulic Cable Cutter

The BURNDY® RHCC245CUAL remote hydraulic cable cutter incorporates a specialized latch style cutting head that allows interference-free closure for mid-span cuts. The RHCC245CUAL with its precision cutting blades is capable of cutting up to 2.45" diameter copper and aluminum cable.

The RHCC245CUAL is provided with a 5-year limited warranty (excluding blades).



Features and Benefits

- Specialized latch head design.
 - ◇ Interference free closure for mid-span cuts.
- Precision cutting blades.
 - ◇ For clean cuts on copper and aluminum cable.
- High strength steel body.
 - ◇ For durability and long life
- Lightweight ergonomic design allows one hand operation.
 - ◇ User has one hand free to manipulate material to be cut.
- Durable canvas carrying bag.
 - ◇ Provides tool protection and stores all accessories.
- 5-year limited warranty on tool (excluding blades).
 - ◇ Customer satisfaction and support.

SPECIFICATIONS

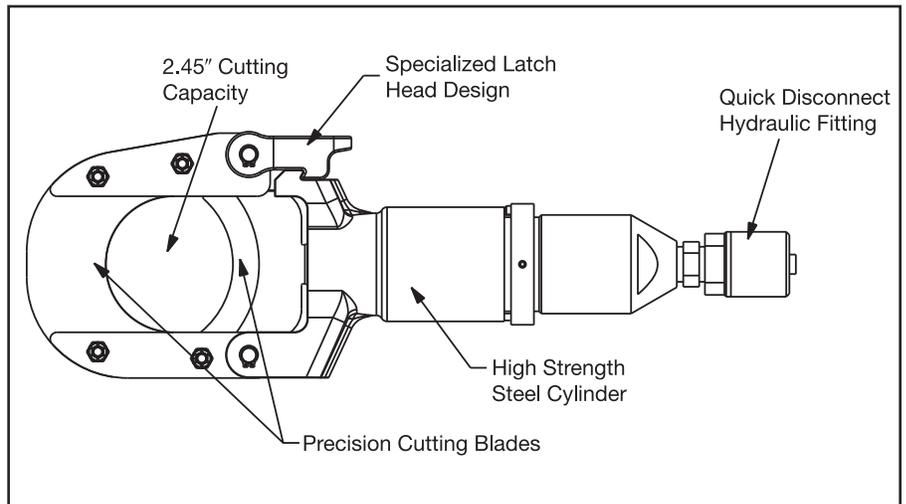
Operating Pressure: 10,000 psi (700 bar)
Tool Weight: 8.3 lbs. (3.8 kg)
Length: 14.8" (376 mm)
Width: 4.75" (121 mm)

FOR USE ON

Copper & Aluminum 2.45" O.D. (62 mm)

ACCESSORIES

Canvas Bag: Cat# **PT10054094**
Replacement Blades: Cat# **PT10038657** (Moving Blade)
 Cat# **PT10040663** (Fixed Blade)



HYDRAULIC HOSES

NON CONDUCTIVE HOSES*



10,000 PSI

- | Cat. No. | Description |
|-------------|---|
| PT 29900-10 | 10' - 3/16" diameter - non conductive hose with stackable couplers (male/female) - orange |
| PT 29900-15 | 15' - 3/16" diameter - non conductive hose with stackable couplers (male/female) - orange |
| PT 29900-25 | 25' - 3/16" diameter - non conductive hose with stackable couplers (male/female) - orange |
| PT 29901-10 | 10' - 1/4" diameter - non conductive hose with stackable couplers (male/female) - orange |
| PT 29901-15 | 15' - 1/4" diameter - non conductive hose with stackable couplers (male/female) - orange |
| PT 29901-25 | 25' - 1/4" diameter - non conductive hose with stackable couplers (male/female) - orange |

Note: 1/4" diameter hose provides higher flow rate for faster ram movement.

* For proper care and maintenance of hydraulic hoses, consult the "Hydraulic Hose Care" manual, Form No. 7828

NON CONDUCTIVE HOSES*



6,000 PSI

- | Cat. No. | Description |
|-------------|--|
| PT 29902-10 | 10' - non conductive hose with stackable couplers (male/female) - orange |
| PT 29902-15 | 15' - non conductive hose with stackable couplers (male/female) - orange |
| PT 29902-25 | 25' - non conductive hose with stackable couplers (male/female) - orange |
| PT 29074-1 | Non conductive hose carrying bag |

* For proper care and maintenance of hydraulic hoses, consult the "Hydraulic Hose Care" manual, Form No. 7828

CONDUCTIVE HOSES*



10,000 PSI

- | Cat. No. | Description |
|----------|---|
| PT 91 | 8' - steel braided hose with steel spring reinforced ends. Stackable couplers (male/female) - Black. No electrical rating. DO NOT use on energized conductor. |

8,800 PSI

- | Cat No. | Description |
|---------|---|
| PT 76 | 8' - steel braided hose with steel spring reinforced ends. Stackable couplers (male/female) - Black. No electrical rating. DO NOT use on energized conductor. |

* For proper care and maintenance of hydraulic hoses, consult the "Hydraulic Hose Care" manual, Form No. 7828.



Do not attempt to repair or recouple the hose yourself!

**REFERENCE
TABLE OF CONTENTS**

Specifications for BURNDY® HYGROUND® Connector System	138	Solid Copperweld Cable	141
HARDWARE DATA	139	Copperweld — Copper Cable	141
CABLE DATA (TABLES)		Stranded Copperweld Cable	142
Copper Tube	140	Galvanized Steel Cable	142
Solid Copper Wire	140	AWG vs. Metric Wire Sizes	143
Stranded Copper Cable	140 - 141	ALPHA-NUMERIC INDEX	144 -149

Specifications for BURNDY® HYGROUND® Connector System

Ground Connectors

1.0 Scope

- 1.1 This specification establishes the material, design, marking and performance requirements of compression grounding connectors used to make permanent ground connections for direct burial, embedment in concrete, or for above grade applications.
- 1.2 The specification also provides the requirements for mechanical connectors intended for bonding applications within the grounding network.

2.0 Materials

- 2.1 All ground connections shall be made using BURNDY® HYGROUND® compression ground connectors.
- 2.2 Compression ground connectors shall be manufactured from pure wrought copper in compliance with ASTM B187.
- 2.3 Mechanical cast connectors are allowed for bonding applications and shall be manufactured from a copper alloy of minimum 80% copper, according to ASTM B30.

3.0 Design

- 3.1 All ground connectors must be designed for fault-duty loading, and must have the fault capacity of the maximum sized conductor for which it is designed.
- 3.2 Pad terminals and in-line splices may accommodate only one conductor size. All other ground connectors must be range taking.
- 3.3 Structural steel and bus bar ground connectors may accommodate only one rigid member conductor.
- 3.4 All ground connectors must be provided with a corrosion-inhibiting compound preapplied to the contact surfaces. The compound must be compatible with the

conductors accommodate by the connector.

- 3.5 All ground connectors must be capable of being provided with tin plating, if required by agency jurisdiction or by the application.
- 3.6 All mechanical bonding connectors must be designed to withstand 150% of the recommended installation torque.

4.0 Marking

- 4.1 All connectors must be clearly and permanently marked with the following information:
 - 4.1.1 Manufacturer's inspection symbol
 - 4.1.2 Catalog number
 - 4.1.3 Conductor accommodation(s)
 - 4.1.4 Installation die index or die catalog number (compression)
 - 4.1.5 Underwriters Laboratories Listing Mark/CSA certification mark
 - 4.1.6 The words "Suitable for Direct Burial," or "Direct Burial," or "Burial" as specified per ANSI/UL467.
- 4.2 The smallest unit package shall contain the information listed under 4.1, and shall also include installation tooling.

5.0 Ground Connector Installation

- 5.1 Installation of connectors shall be made in accordance with the manufacturer's recommendations. The instructions typically include conductor preparation (cleaning, pre-crimp), installation tool and die selection, and application of the proper number of crimps.
- 5.2 Connectors must be installable under all types of weather/field conditions without special safety precautions or procedures.

- 5.3 Connectors must be installable without using or producing hazardous materials or byproducts.

6.0 Ground Connector Inspection

- 6.1 Compression dies must provide embossment of the connector upon successful installation. The embossed index must match the marking on the installed connector.
- 6.2 Connector marking information specified in 4.1 must be legible after installation for inspector cross-reference.
- 6.3 Closed barrel connectors may have inspection holes at the appropriate location to verify proper cable insertion.

7.0 Performance

- 7.1 All system connectors must be Listed by Underwriters Laboratories/Canadian Standards Association for direct burial in earth or embedment in concrete per ANSI/UL467 Standard for Grounding and Bonding Equipment/CSA C22.2 No. 41.
- 7.2 All ground connectors must meet the requirements of IEEE Std 837 Standard for Qualifying Permanent Connections Used in Substation Grounding.
- 7.3 Connectors must be suitable for lightning protection applications. Listing to UL96 Lightning Protection Components is preferred on applicable items.

HARDWARE DATA

RECOMMENDED TIGHTENING TORQUE

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant.

Copper alloy connectors have hardware made of DURIMUM™, which is BURNDY's trade name for silicon bronze alloy ASTMB99. This material was first introduced by BURNDY® in 1927 for use in outdoor construction, and today, is the standard throughout the industry.

Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion

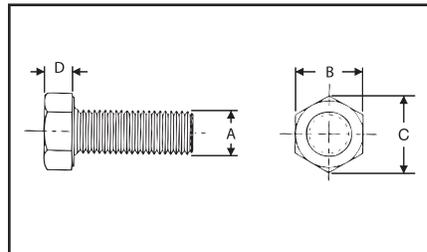
Steel Hardware		Aluminum Hardware	
Bolt Size	Recommended Torque (Inch Pounds)	Bolt Size	Recommended Torque (Inch Pounds)
1/4 - 20	80	1/2 - 13	300
5/16 - 18	180	5/8 - 11	480
3/8 - 16	240	3/4 - 10	650
1/2 - 13	480		
5/8 - 11	660		
3/4 - 10	1050		

and does not require anodizing. Bolts are lubricated to eliminate galling and to provide consistent clamping forces.

The size material for clamping hardware are selected to provide the required force when tightened to the recommended torque. To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

DURIUM™ (SILICON BRONZE)

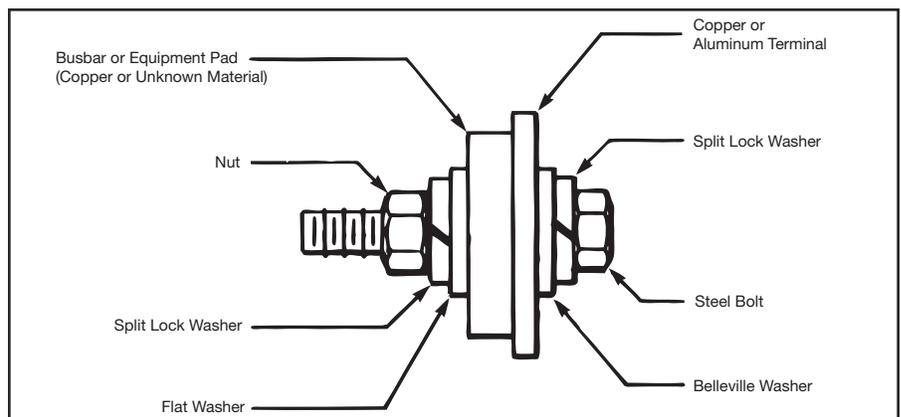
HEXAGONAL BOLT DATA



② Catalog No. Series	(Bolt Size) "A"	"B"	"C"	"D"	③ Recommended Torque (in-lb)	Min. Breaking Force (lb)	Min. Shearing Force (lb)
25X__HEB	1/4 - 20 UNC	7/16	.50	.16	80	1,780	990
31X__HEB	5/16 - 18 UNC	1/2	.56	.21	180	2,930	1,640
38X__HEB	3/8 - 16 UNC	9/16	.65	.24	240	4,350	2,430
50X__HEB	1/2 - 13 UNC	3/4	.87	.32	480	7,950	4,460
62X__HEB	5/8 - 11 UNC	15/16	1.08	.40	660	12,700	7,100
75X__HEB	3/4 - 10 UNC	1-1/8	1.30	.48	1,050	17,510	10,540

1. Material: DURIMUM™ (Silicon Bronze)
- ② "___" is substituted for bolt length. Consult sales representative for available lengths.
- ③ These torque values develop maximum bolt preload.
4. This drawing is based on BURNDY® engineering spec.

RECOMMENDED TERMINATION HARDWARE



CABLE DATA

COPPER TUBE (BUS)

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
Standard Pipe Sizes			
1/4"	0.540	0.375	0.082 5
3/8"	0.675	0.494	0.090 5
1/2"	0.840	0.625	0.107 5
3/4"	1.050	0.822	0.114 0
1"	1.315	1.062	0.126 5
1-1/4"	1.660	1.368	0.146 0
1-1/2"	1.900	1.600	0.150 0
2"	2.375	2.062	0.156 5
2-1/2"	2.875	2.500	0.187 5
3"	3.500	3.062	0.219 0
3-1/2"	4.000	3.500	0.250 0
4"	4.500	4.000	0.250 0
4-1/2"	5.000	4.500	0.250 0
5"	5.563	5.063	0.250 0
6"	6.625	6.125	0.250 0
Extra Heavy Pipe Sizes			
1/4"	0.540	0.294	0.123
3/8"	0.675	0.421	0.127
1/2"	0.840	0.542	0.149
3/4"	1.050	0.736	0.157
1"	1.315	0.951	0.182
1-1/4"	1.660	1.272	0.194
1-1/2"	1.900	1.494	0.203
2"	2.375	1.933	0.221
2-1/2"	2.875	2.315	0.280
3"	3.500	2.892	0.304
3-1/2"	4.000	3.358	0.321
4"	4.500	3.818	0.341
4-1/2"	5.000	4.250	0.375
5"	5.563	4.813	0.375
6"	6.625	5.751	0.437
Double Extra Heavy Pipe Sizes			
1/2"	0.840	0.252	0.294
3/4"	1.050	0.434	0.308
1"	1.315	0.599	0.358
1-1/4"	1.660	0.896	0.382
1-1/2"	1.900	1.100	0.400
2"	2.375	1.503	0.436
2-1/2"	2.875	1.771	0.552
3"	3.500	2.300	0.600
3-1/2"	4.000	2.728	0.636
4"	4.500	3.152	0.674
4-1/2"	5.000	3.580	0.710
5"	5.563	4.063	0.750
6"	6.625	4.897	0.864

Tube dimensions (excepting wall thickness, of double extra heavy) taken from A.S.T.M. Specification B42-33.
Tubular values based on a density of 0.322 pound per cubic inch.

* Conductivity of 98% I.A.C.S. at 20° C or 68° F.

**SOLID COPPER WIRE
(ASTM B1, B2, & B3)**

Size AWG (Solid)	Wire Dia. Inch	Hard Drawn	Medium Drawn	Soft Drawn
		Normal Breaking Load Pounds	Minimum Breaking Load Pounds	Elongation in 10 In. % Min.
18	.040 30	85.76	67.61	25
17	.045 26	107.5	84.71	25
16	.050 82	135.2	106.2	25
15	.057 07	170.0	133.0	25
14	.064 08	213.8	166.6	25
13	.071 96	268.2	208.0	25
12	.080 81	337.0	261.6	25
11	.090 74	422.5	327.6	25
10	.101 9	529.2	410.4	25
9	.114 4	661.0	514.2	30
8	.128 5	826.0	643.9	30
7	.144 3	1,030	806.6	30
6	.162 0	1,280	1,010	30
5	.181 9	1,591	1,265	30
4	.204 3	1,970	1,584	30
3	.229 4	2,439	1,984	30
2	.257 6	3,003	2,450	30
1	.289 3	3,688	3,024	30
1/0	.324 9	4,519	3,730	35
2/0	.364 8	5,518	4,599	35
3/0	.409 6	6,722	5,667	35
4/0	.460 0	8,143	6,980	35

**STRANDED COPPER WIRE
(ASTM B8 EXCLUDING BREAKING LOADS)**

Size		ASTM Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Circular Mills	AWG	Class	No. of Wires	Cable Diameter Inches	Minimum Breaking Load Pounds	Minimum Breaking Load Pounds	Minimum Breaking Load Pounds
					1,022	20	B
1,624	18	B	7	0.045 6	78.99	63.91	51.03
2,583	16	B	7	0.057 6	124.7	100.4	81.14
4,107	14	B	7	0.072 6	197.1	157.7	124.2
6,530	12	B	7	0.091 5	311.1	247.7	197.5
10,380	10	B	7	0.116	491.7	388.9	314.0
13,090	9	B	7	0.130	618.2	487.4	395.9
16,510	8	B	7	0.146	777.2	610.7	499.2
20,820	7	B	7	0.164	977.1	765.2	629.5
26,250	6	B	7	0.184	1,288	958.6	793.8
33,100	5	B	7	0.206	1,542	1,201	1001
41,740	4	AA	3	0.254	1,879	1,465	1213
41,740	4	B&A	7	0.232	1,938	1,505	1262
52,630	3	AA	3	0.285	2,359	1,835	1530

CABLE DATA (Continued)

STRANDED COPPER WIRE (Continued)
(ASTM B8 EXCLUDING BREAKING LOADS)

Size		ASTM Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Stranded		Class	No. of Wires	Cable Diameter Inches	Minimum Breaking Load Pounds	Minimum Breaking Load Pounds	Minimum Breaking Load Pounds
Circular Mills	AWG				Minimum Breaking Load Pounds	Minimum Breaking Load Pounds	Minimum Breaking Load Pounds
52,630	3	B&A	7	0.260	2,433	1,885	1592
66,370	2	AA	3	0.320	2,913	2,299	1929
66,370	2	B&A	7	0.292	3,045	2,361	2007
83,690	1	AA	3	0.360	3,621	2,879	2432
83,690	1	A	7	0.328	3,804	2,958	2432
83,690	1	B	19	0.332	3,899	3,037	2531
105,500	1/0	A&A	7	0.368	4,752	3,705	3067
105,500	1/0	—	12	0.390	4,841	3,755	3191
105,500	1/0	B	19	0.373	4,901	3,805	3191
133,100	2/0	A&A	7	0.414	5,926	4,640	3867
133,100	2/0	—	12	0.438	6,048	4,703	3867
133,100	2/0	B	19	0.419	6,152	4,765	4024
167,800	3/0	A&A	7	0.464	7,366	5,812	4876
167,800	3/0	—	12	0.492	7,556	5,890	4876
167,800	3/0	B	19	0.470	7,698	5,970	5074
211,600	4/0	A&A	7	0.522	9,154	7,278	6149
211,600	4/0	—	12	0.522	9,483	7,378	6149
211,600	4/0	B	19	0.528	9,617	7,479	6149

SOLID COPPERWELD CABLE
(ASTM B227)

Conductor Size (AWG)	Nominal Diameter (Inches)	Circular Mills	Minimum Breaking Load (lbs.)			
			Grade 40 HS	Grade 40 EHS	Grade 30 HS	Grade 30 EHS
4	0.2043	41,740	3,540	—	3,934	4,671
5	0.1819	33,090	2,937	—	3,249	3,911
—	0.1650*	27,230	2,779	—	2,779	3,367
6	0.1620	26,240	2,679	—	2,679	3,246
7	0.1443	20,820	2,207	—	2,207	2,681
8	0.1285	16,510	1,816	—	1,816	2,205
—	0.1280*	16,380	1,802	—	1,802	2,188
9	0.1144	13,090	1,491	—	1,491	1,790
—	0.1040*	10,820	1,283	1,325	1,283	1,487
10	0.1019	10,380	1,231	—	1,231	1,460
12	0.0808	6,530	774	—	774	918
—	0.0800*	6,400	759	—	759	900
—	0.0640*	4,096	485	—	485	576
18	0.0403	1,624	193	—	193	228
—	0.0390*	1,521	180	—	180	214
20	0.0320	1,024	121	—	121	144

* These diameters are often employed by purchasers for communication lines BUT are not in the American Wire Gauge (B & S Wire Gauge) series, as are the other diameters listed.

COPPERWELD-COPPER CABLE
(ASTM B229)

Conductor Size Hard Drawn Copper Equivalent		Type	Nominal Diameter of Conductor (Inches)	Minimum Breaking Load (Pounds)
cmii	AWG			
350,000	—	E	0.788	32,420
350,000	—	EK	0.735	23,850
350,000	—	V	0.754	23,480
300,000	—	E	0.729	27,770
300,000	—	EK	0.680	20,960
300,000	211,600	V	0.698	20,730
250,000	—	E	0.666	23,920
250,000	—	EK	0.621	17,840
250,000	—	V	0.637	17,420
—	4/0	E	0.613	20,730
211,600	4/0	G	0.583	15,640
211,600	4/0	EK	0.571	15,370
211,600	4/0	V	0.586	15,000
211,600	4/0	F	0.550	12,290
167,800	3/0	E	0.545	16,800
167,800	3/0	J	0.555	16,170
167,800	3/0	G	0.519	12,860
167,800	3/0	EK	0.509	12,370
167,800	3/0	V	0.522	12,200
167,800	3/0	F	0.490	9,980
133,100	2/0	K	0.534	17,600
133,100	2/0	J	0.494	13,430
133,100	2/0	G	0.463	10,510
133,100	2/0	V	0.465	9,846
133,100	2/0	F	0.436	8,094
105,600	1/0	K	0.475	14,490
105,600	1/0	J	0.440	10,970
105,600	1/0	G	0.412	8,563
105,600	1/0	F	0.388	6,536
83,690	1	N	0.464	15,410
83,690	1	K	0.423	11,900
83,690	1	J	0.392	9,000
83,690	1	G	0.367	6,956
83,690	1	F	0.346	5,266
66,360	2	P	0.462	16,870
66,360	2	N	0.413	12,680
66,360	2	K	0.377	9,730
66,360	2	J	0.349	7,322
66,360	2	A	0.366	5,876
66,360	2	G	0.327	5,626
66,360	2	F	0.308	4,233
55,620	3	P	0.411	13,910
52,620	3	N	0.368	10,390
52,620	3	K	0.336	7,910
52,620	3	J	0.311	5,955
52,620	3	A	0.326	4,810
41,740	4	P	0.366	11,420
41,740	4	N	0.328	8,460
41,740	4	D	0.348	7,340
41,740	4	A	0.290	3,938
33,090	5	P	0.326	9,311
33,090	5	D	0.310	6,035
33,090	5	A	0.258	3,193
26,240	6	D	0.276	4,942
26,240	6	A	0.230	2,585
26,240	6	C	0.225	2,143
20,820	7	D	0.246	4,022
20,820	7	A	0.223	2,754
16,510	8	D	0.219	3,256
16,510	8	A	0.199	2,233
16,510	8	C	0.179	1,362
11,750	9	D	0.174	1,743

CABLE DATA (Continued)

**STRANDED COPPERWELD CABLE
(ASTM B228)**

Nominal Diameter † (Inch) Size AWG ‡	Circular Mils	Diameter* (Inch)	Breaking Load Lbs.**		
			High Strength		Extra High Strength
			40% Cond.	30% Cond.	30% Cond.
7/8 (19 No. 5)	628,900	.910	50,240	55,570	66,910
13/16 (19 No. 6)	498,800	.810	41,600	45,830	55,530
23/32 (19 No. 7)	395,500	.721	34,390	37,740	45,850
27/32 (19 No. 8)	313,700	.642	28,380	31,040	37,690
9/16 (19 No. 9)	248,800	.572	23,390	25,500	30,610
5/8 (7 No. 4)	292,200	.613	22,310	24,780	29,430
9/16 (7 No. 5)	231,700	.546	18,510	20,470	24,650
1/2 (7 No. 6)	183,800	.486	15,330	16,890	20,460
7/16 (7 No. 7)	145,700	.433	12,670	13,910	16,890
3/8 (7 No. 8)	115,600	.385	10,460	11,440	13,890
11/32 (7 No. 9)	91,650	.343	8,616	9,393	11,280
5/16 (7 No. 10)	72,680	.306	7,121	7,758	9,196
3 No. 5	99,310	.392	8,373	9,262	11,860
3 No. 6	78,750	.349	6,934	7,639	9,754
3 No. 7	62,450	.311	5,732	6,291	7,922
3 No. 8	49,530	.277	4,730	5,174	6,282
3 No. 9	39,280	.247	3,898	4,250	5,129
3 No. 10	31,150	.220	3,221	3,509	4,160
3 No. 12	19,590	.174	2,236	—	—

† The designation "Inch" is the approximate diameter in proper fraction of an inch.
 ‡ The designation of "AWG" is a combination of the number of wires each of the American Wire Gage size indicated by "No."
 * Diameter of circumscribing.
 ** Breaking loads of 7-wire and 19-wire conductors are taken as 90% of the sum of the breaking loads of individual wires; breaking load of 3-wire conductors is taken as 95% of the sum of the breaking loads of the individual wires.

**GALVANIZED STEEL CABLE
(ASTM A475)**

Inches	Nominal Diameter of Strand (mm)	Number of Wires in Strand	Minimum Breaking Load (lbs.)				
			Utilities Grade	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
1/8	(3.18)	7	—	540	910	1,330	1,830
5/32	(3.97)	7	—	870	1,470	2,140	2,940
3/16	(4.76)	7	—	1,150	1,900	2,850	3,990
3/16	(4.76)	7	2,400	—	—	—	—
7/32	(5.56)	3	—	1,400	2,340	3,500	4,900
7/32	(5.56)	7	—	1,540	2,560	3,850	5,400
1/4	(6.35)	3	3,150	1,860	3,040	4,730	6,740
1/4	(6.35)	3	4,500	—	—	—	—
1/4	(6.35)	7	—	1,900	3,150	4,750	6,650
9/32	(7.14)	3	—	2,080	3,380	5,260	7,500
9/32	(7.14)	7	4,600	2,570	4,250	6,400	8,950
5/16	(7.94)	3	6,500	2,490	4,090	6,350	9,100
5/16	(7.94)	7	—	3,200	5,350	8,000	11,200
5/16	(7.94)	7	6,000	—	—	—	—
3/8	(9.52)	3	8,500	3,330	5,560	8,360	11,800
3/8	(9.52)	7	11,500	4,250	6,950	10,800	15,400
7/16	(11.11)	7	18,000	5,700	9,350	14,500	20,800
1/2	(12.70)	7	25,000	7,400	12,100	18,800	26,900
1/2	(12.70)	19	—	7,620	12,700	19,100	26,700
9/16	(14.29)	7	—	9,600	15,700	24,500	35,000
9/16	(14.29)	19	—	9,640	16,100	24,100	33,700
5/8	(15.88)	7	—	11,600	19,100	29,600	42,400
5/8	(15.88)	19	—	11,000	18,100	28,100	40,200
3/4	(19.05)	19	—	16,000	26,200	40,800	58,300
7/8	(22.22)	19	—	21,900	35,900	55,800	79,700
1	(25.40)	9	—	28,700	47,000	73,200	104,500
1	(25.40)	37	—	28,300	46,200	71,900	102,700
1-1/8	(28.58)	37	—	36,000	58,900	91,600	130,800
1-1/4	(31.75)	37	—	44,600	73,000	113,600	162,200

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equiv- alent Circ. Mils	AWG Size	Metric Wire Size MM	Stranding/Wire Diameter per Strand		Approximate Overall Diameter		Circ. Mils	Equiv- alent Circ. Mils	AWG Size	Metric Wire Size MM	Stranding/Wire Diameter per Strand		Approximate Overall Diameter	
				In.	MM	In.	MM					In.	MM	In.	MM
—	937	—	0.50	1/.032	1/.813	.032	.061	83690	—	1	—	19/.0064	19/1.50	.332	8.43
1020	—	20	—	7/.0121	1/3.07	.036	0.91	—	98680	—	50	19/.073	19/1.85	.365	9.27
—	1480	—	.75	1/.039	1/.091	.039	0.99	10500	—	1/0	—	19/.0745	19/1.59	.373	9.46
1620	—	18	—	1/.0103	1/1.02	.040	1.02	133100	—	2/0	—	19/.0837	19/2.13	.419	10.6
1620	—	18	—	7/.0152	7/.386	.046	1.16	—	138100	—	70	19/.086	19/2.18	.430	10.9
—	1974	—	1.0	1/.045	1/1.14	.045	1.14	167800	—	3/0	—	19/.094	19/2.59	.470	11.9
—	1974	—	1.0	7/.017	7/.422	.061	1.30	167800	—	3/0	—	36/.0673	37/1.71	.471	12.0
2580	—	16	—	1/.0503	1/1.29	.051	1.29	—	187500	—	95	19/.101	19/2.57	.505	12.8
2580	—	16	—	7/.0192	7/.468	.058	1.46	—	187500	—	95	37/.072	37/1.83	.504	12.5
—	2960	—	1.5	1/.055	1/1.40	.055	1.40	211600	—	4/0	—	19/.1055	19/2.89	.528	13.4
—	2960	—	1.5	7/.021	7/5.33	.063	1.60	—	237.8 kcmil	—	120	37/.081	37/2.06	.567	14.4
4110	—	14	—	1/.0641	1/1.63	.064	1.63	250 kcmil	—	—	—	37/.0822	37/2.07	.575	14.6
4110	—	14	—	7/.0242	7/.615	.073	1.84	300 kcmil	—	—	150	37/.090	37/2.29	.630	16.0
—	4934	—	2.5	1/.071	1/1.80	.071	1.80	350 kcmil	—	—	—	37/.0973	37/2.47	.681	17.3
—	4934	—	2.5	7/.027	7/6.66	.081	2.06	—	365.1 kcmil	—	185	37/.100	37/2.54	.700	17.8
6530	—	12	—	1/.0308	1/2.05	.081	2.05	400 kcmil	—	—	—	37/.104	37/2.64	.728	18.5
6530	—	12	—	7/.0305	7/.775	.092	2.32	—	473.6 kcmil	—	240	37/.114	37/2.90	.798	20.3
—	7894	—	4	1/.089	1/2.26	.089	2.26	—	473.6 kcmil	—	240	61/.089	61/2.26	.801	20.3
—	7894	—	4	7/.034	7/.864	.102	2.59	500 kcmil	—	—	—	37/.1162	37/2.95	.813	20.7
10380	—	10	—	1/.1019	1/2.59	.102	2.59	500 kcmil	—	—	—	61/.0905	61/2.30	.814	20.7
10380	—	10	—	7/.0355	7/.978	.116	2.93	—	592.1 kcmil	—	300	61/.099	61/2.51	.891	22.6
—	11840	—	6	1/.109	1/2.77	.109	2.77	600 kcmil	—	—	—	61/.0992	61/2.52	.893	22.7
—	11840	—	6	7/.042	7/.107	.126	3.21	700 kcmil	—	—	—	61/.1071	61/2.72	.964	24.5
13000	—	9	—	1/.1144	1/2.91	.114	2.91	750 kcmil	—	—	—	61/.1109	61/2.82	.998	25.4
13090	—	9	—	7/.0432	7/1.10	.130	3.30	750 kcmil	—	—	—	91/.0908	91/2.31	.998	25.4
16510	—	8	—	1/.1285	1/3.26	.128	3.25	—	789.4 kcmil	—	400	61/.114	61/2.90	1.026	26.1
16510	—	8	—	7/.0486	7/1.23	.146	3.70	800 kcmil	—	—	—	61/.1145	61/2.91	1.031	26.2
—	19740	—	10	1/.141	1/3.58	.141	3.58	800 kcmil	—	—	—	91/.0938	91/2.38	1.032	26.2
—	19740	—	10	7/.054	7/1.37	.162	4.12	1000 kcmil	986.8 kcmil	—	500	61/.1280	61/3.25	1.152	28.3
20520	—	7	—	1/.1443	1/3.67	.144	3.67	1000 kcmil	—	—	—	91/.1048	91/2.66	1.153	29.3
20520	—	7	—	7/.0545	7/1.38	.164	4.15	—	1233.7 kcmil	—	625	91/.117	91/2.97	1.287	32.7
26240	—	6	—	1/.162	1/4.11	.162	4.11	1250 kcmil	—	—	—	91/.1172	91/2.93	1.289	32.7
26240	—	6	—	7/.0612	7/1.55	.184	4.66	1250 kcmil	—	—	—	127/.0992	127/2.52	1.200	32.8
—	31580	—	16	7/.008	7/1.73	.204	5.13	1500 kcmil	—	—	—	91/.1284	91/3.26	1.412	36.9
33090	—	5	—	7/.0688	7/1.75	.206	5.24	1500 kcmil	—	—	—	127/.1087	127/2.76	1.413	36.9
41740	—	4	—	7/.0772	7/1.96	.232	5.88	—	1578.8 kcmil	—	800	91/.132	91/3.35	1.452	36.9
—	49340	—	25	7/.085	7/2.16	.255	6.48	—	1973.5 kcmil	—	1000	91/.147	91/3.73	1.617	41.1
—	49340	—	25	19/.052	10/1.32	.260	6.60	2000 kcmil	—	—	—	127/.1255	127/3.19	1.632	41.5
52620	—	3	—	7/.0867	7/2.20	.260	6.61	2000 kcmil	—	—	—	169/.1088	169/2.76	1.632	41.5
66300	—	2	—	7/.0974	7/2.47	.292	7.42	—	—	—	—	—	—	—	—
—	69070	—	35	7/.100	7/2.54	.300	7.62	—	—	—	—	—	—	—	—
—	69070	—	35	19/.001	19/1.55	.305	7.75	—	—	—	—	—	—	—	—

Index

CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.
GROUNDMAX™	97	38 SW BOX	109	50x225 HEB BOX	108	65Q	70	B-1317	77
PATCUT129-LI	127	38 SWSSMD	113	50x250 HAB BOX	112	65R	71	B-1318	77
PATCUT245-LI	129	38C HEN BOX	109	50x250 HEB BOX	108	75 NWGS	111	B-1319	77
PENETROX-A	106	38x100 HEB BOX	108	50x250 HSSB	113	75x125 HGSB	111	B-1320	77
115	71	38x125 HEB BOX	108	50x275 HAB BOX	112	90	71	B-1321	77
115CI	71	38x125 HGSB	111	50x275 HEB BOX	108	90CI	71	B-1322	77
115Q	70	38X125 HSSB	113	50x300 HAB BOX	112	90Q	70	B-1323	77
115R	71	38x150 HEB BOX	108	50x300 HEB BOX	108	90R	71	B-1324	77
15	71	38x175 HEB BOX	108	50x300 HSSB	113	B-106	99	B-1325	77
150	71	38x200 HEB BOX	108	50x325 HAB BOX	112	B-107	99	B-1326	77
150Q	70	38x225 HEB BOX	108	50x325 HEB BOX	108	B-1208	77	B-1327	77
150R	71	38x225 HGSB	111	50x350 HAB BOX	112	B-1212	82	B-1328	77
15CI	71	38x225 HSSB	113	50x350 HEB BOX	108	B-1215	88	B-1329	77
15CP	71	38x250 HEB BOX	108	50x375 HAB BOX	112	B-1216	88	B-1330	77
15Q	70	38x250 HSSB	113	50x375 HEB BOX	108	B-1218	88	B-1331	77
15R	71	38x275 HEB BOX	108	50x400 HAB BOX	112	B-1219	88	B-1332	77
200	71	38x275 HGSB	111	50x400 HEB BOX	108	B-1220	88	B-1333	77
200Q	70	38x275 HSSB	113	50x425 HAB BOX	112	B-1221	88	B-1334	77
200R	71	38x300 HEB BOX	108	50x450 HAB BOX	112	B-1222	88	B-1335	77
25	71	38x325 HEB BOX	108	50x450 HEB BOX	108	B-1223	88	B-1336	77
25 FW BOX	109	38x350 HEB BOX	108	50x500 HAB BOX	112	B-1224	88	B-1581	80
25 FWSS	113	38x400 HEB BOX	108	50x500 HEB BOX	108	B-1225-H	88	B-1582	80
25 HSSN	113	38x450 HEB BOX	108	50x550 HAB BOX	112	B-1226-H	88	B-1583	80
25 NW BOX	109	38x50 HEB BOX	108	50x550 HEB BOX	108	B-1228-H	88	B-1584	80
25 SW BOX	109	38x500 HEB BOX	108	50x600 HEB BOX	108	B-1270	76	B-1586	80
25 SWSS LT	113	38x62 HEB BOX	108	50x75 HEB BOX	108	B-1271	76	B-1587	80
250	71	38x75 BWSS	113	62 FW BOX	109	B-1272	76	B-1588	80
250Q	70	38x75 HEB BOX	108	62 FWA BOX	112	B-1273	76	B-1589	80
250R	71	38x81 FWGS	111	62 FWSS	113	B-1274	76	B-1593	80
25C HEN BOX	109	38x88 HEB BOX	108	62 HAN BOX	112	B-1275	76	B-1594	80
25CI	71	44 FW BOX	109	62 HGSN	111	B-1276	76	B-1595	80
25CP	71	44 NW BOX	109	62 HSSN	113	B-1277	76	B-1596	80
25Q	70	44 SW BOX	109	62 NW BOX	109	B-1278	76	B-1597	80
25R	71	44C HEN BOX	109	62 NWGS	111	B-1279	76	B-1601	80
25x100 HEB BOX	108	44x150 HEB BOX	108	62 SW BOX	109	B-1280	76	B-1602	80
25x125 HEB BOX	108	44x200 HEB BOX	108	62 SWAL BOX	112	B-1281	76	B-1603	80
25x150 HEB BOX	108	45	71	62 SWSSMD	113	B-1282	76	B-1604	80
25x200 HEB BOX	108	45CI	71	62C HEN BOX	109	B-1283	76	B-1605	80
25x250 HEB BOX	108	45CP	71	62x100 HEB BOX	108	B-1284	76	B-1606	80
25x300 HEB BOX	108	45Q	70	62x100 HGSB	111	B-1285	76	B-1610	80
25x50 HEB BOX	108	45R	71	62x125 HEB BOX	108	B-1286	76	B-1611	80
25x62 HEB BOX	108	50 FW BOX	109	62x150 HEB BOX	108	B-1287	76	B-1613	90
25x75 HEB BOX	108	50 FWA BOX	112	62x175 HAB BOX	112	B-1288	76	B-1614	90
31 FW BOX	109	50 FWSS	113	62x175 HEB BOX	108	B-1289	76	B-1615	90
31 NW BOX	109	50 HAN BOX	112	62x175 HGSB	111	B-1290	76	B-1616	90
31 SW BOX	109	50 HGSN	111	62x200 HAB BOX	112	B-1291	76	B-1617	90
31C HEN BOX	109	50 HSSN	113	62x200 HEB BOX	108	B-1292	76	B-1618	90
31CHGSN	111	50 NW BOX	109	62x225 HAB BOX	112	B-1293	76	B-1619	90
31x100 HEB BOX	108	50 NWGS	111	62x225 HEB BOX	108	B-1294	76	B-1620	90
31x125 HEB BOX	108	50 SW BOX	109	62x250 HAB BOX	112	B-1295	76	B-1626	88
31x150 HEB BOX	108	50 SWAL BOX	112	62x250 HEB BOX	108	B-1296	76	B-1627	88
31x175 HEB BOX	108	50 SWSSMD	113	62x275 HEB BOX	108	B-1297	76	B-1628	88
31x200 HEB BOX	108	500	71	62x300 HAB BOX	112	B-1298	76	B-1629	88
31x250 HEB BOX	108	500Q	70	62x300 HEB BOX	108	B-1299	76	B-1630	88
31x300 HEB BOX	108	50C HEN BOX	109	62x300 HSSB	113	B-1300	76	B-1631	88
31x50 HEB BOX	108	50x100 HEB BOX	108	62x325 HEB BOX	108	B-1301	76	B-1632	88
31x62 HEB BOX	108	50x100 HGSB	111	62x350 HAB BOX	112	B-1302	76	B-1633	88
31x75 HEB BOX	108	50x106 BWSS	113	62x350 HEB BOX	108	B-1303	76	B-1634	88
32	71	50x106 FWGS	111	62x400 HAB BOX	112	B-1304	76	B-1635	89
32CI	71	50x125 HEB BOX	108	62x400 HEB BOX	108	B-1305	76	B-1636	89
32CP	71	50x150 HAB BOX	112	62x450 HAB BOX	112	B-1306	76	B-1637	89
32Q	70	50x150 HEB BOX	108	62x450 HEB BOX	108	B-1307	76	B-1638	89
32R	71	50x150 HGSB	111	62x500 HAB BOX	112	B-1308	76	B-1639	89
38 FW BOX	109	50x175 HAB BOX	112	62x500 HEB BOX	108	B-1309	76	B-1640	89
38 FWSS	113	50x175 HEB BOX	108	62x550 HAB BOX	112	B-1310	76	B-1641	89
38 HGSN	111	50x200 HAB BOX	112	62x600 HAB BOX	112	B-1311	77	B-1642	89
38 HGSN-009	111	50x200 HEB BOX	108	62x600 HEB BOX	108	B-1313	77	B-1643	89
38 HSSN	113	50x200 HGSB	111	65	71	B-1314	77	B-1644	89
38 NW BOX	109	50x200 HSSB	113	65CI	71	B-1315	77	B-1645	89
38 NWGS	111	50x225 HAB BOX	112	65CP	71	B-1316	77	B-1646	89

CATALOG NO.	PAGE NO.								
B-1648	89	B-249	73	B-2715	75	B-462	74	B-5338	82
B-1649	89	B-2490	86	B-2716	75	B-463	74	B-534	78
B-1650	89	B-2491	86	B-2717	75	B-464	74	B-5340	77
B-205	72	B-2493	86	B-2718	75	B-465	74	B-5341	82
B-206	72	B-2494	86	B-2719	75	B-466	74	B-5342	77
B-207	72	B-2495	86	B-2747	75	B-467	74	B-535	78
B-208	72	B-2497	86	B-2751	75	B-468	74	B-5351	82
B-2084	82	B-2498	86	B-2752	75	B-469	74	B-5352	82
B-209	72	B-250	73	B-2753	75	B-470	74	B-5353	82
B-210	72	B-2506	84	B-2754	75	B-471	74	B-5359	87
B-211	72	B-2507	84	B-2755	75	B-472	74	B-5361	87
B-213	72	B-2509	84	B-2756	75	B-483	74	B-5362	87
B-214	72	B-251	73	B-2757	75	B-485	74	B-5363	87
B-215	72	B-2510	82	B-2761	89	B-486	74	B-537	79
B-2154	80	B-2511	84	B-2781	87	B-487	74	B-538	79
B-2155	80	B-252	73	B-280	73	B-488	74	B-5380	81
B-2156	80	B-253	73	B-282	73	B-489	74	B-5389	87
B-2157	80	B-254	73	B-283	73	B-490	74	B-539	79
B-2158	80	B-2540	87	B-284	73	B-491	74	B-5390	81
B-2159	80	B-2542	84	B-285	73	B-492	74	B-540	79
B-2160	80	B-255	73	B-286	73	B-493	74	B-541	79
B-2161	80	B-2558	82	B-287	73	B-495	78	B-5416	81
B-2162	80	B-256	73	B-288	73	B-496	78	B-5419	89
B-2163	80	B-2566	81	B-289	73	B-497	78	B-542	79
B-2164	80	B-2567	89	B-290	73	B-498	78	B-5428	82
B-2165	80	B-2568	89	B-291	73	B-499	78	B-543	79
B-2189	87	B-2569	89	B-293	73	B-500	78	B-5432	75
B-2199	84	B-257	73	B-294	73	B-501	78	B-544	79
B-2200	84	B-258	73	B-295	73	B-502	78	B-545	79
B-221	73	B-2583	86	B-296	73	B-5021	73	B-546	79
B-223	73	B-2583-S	86	B-297	73	B-503	78	B-547	79
B-2235	82	B-259	73	B-298	73	B-504	78	B-5475	73
B-224	73	B-260	73	B-423	74	B-505	78	B-548	79
B-225	73	B-261	73	B-424	74	B-506	78	B-549	79
B-226	73	B-262	73	B-425	74	B-5065	85	B-550	79
B-227	73	B-263	73	B-426	74	B-507	78	B-551	79
B-228	73	B-264	73	B-427	74	B-508	78	B-5513	81
B-229	73	B-265	73	B-428	74	B-509	78	B-5515	81
B-230	73	B-266	73	B-429	74	B-510	78	B-5517	82
B-231	73	B-267	73	B-430	74	B-511	78	B-553	79
B-232	73	B-268	73	B-431	74	B-513	78	B-555	79
B-2320	82	B-2687	75	B-432	74	B-514	78	B-5555	81
B-233	73	B-2689	75	B-433	74	B-515	78	B-5556	81
B-234	73	B-269	73	B-434	74	B-516	78	B-556	79
B-235	73	B-2690	75	B-435	74	B-517	78	B-5560	82
B-236	73	B-2691	75	B-436	74	B-518	78	B-5561	81
B-237	73	B-2692	75	B-437	74	B-519	78	B-557	79
B-238	73	B-2693	75	B-438	74	B-520	78	B-5573	82
B-239	73	B-2694	75	B-439	74	B-521	78	B-5574	73
B-240	73	B-2695	75	B-440	74	B-523	78	B-558	79
B-241	73	B-2696	75	B-441	74	B-524	78	B-559	79
B-242	73	B-2697	75	B-442	74	B-525	78	B-560	79
B-243	73	B-2698	75	B-443	74	B-526	78	B-5604	82
B-244	73	B-2699	75	B-444	74	B-527	78	B-561	79
B-245	73	B-270	73	B-445	74	B-528	78	B-5618	76
B-2450	82	B-2700	75	B-447	74	B-529	78	B-562	79
B-246	73	B-2701	75	B-448	74	B-5294	81	B-5623	72
B-247	73	B-2702	75	B-449	74	B-530	78	B-5624	72
B-2476	86	B-2703	75	B-450	74	B-531	78	B-5625	72
B-2477	86	B-2704	75	B-451	74	B-532	79	B-5626	72
B-2478	86	B-2705	75	B-452	74	B-5321	80	B-5627	77
B-248	73	B-2706	75	B-453	74	B-533	78	B-5629	77
B-2480	86	B-2707	75	B-454	74	B-5330	82	B-563	79
B-2480-S	86	B-2708	75	B-455	74	B-5331	85	B-5630	77
B-2482	86	B-2709	75	B-456	74	B-5332	82	B-5631	77
B-2483	86	B-2710	75	B-457	74	B-5333	82	B-5632	77
B-2484	86	B-2711	75	B-458	74	B-5334	82	B-5634	77
B-2486	86	B-2712	75	B-459	74	B-5335	82	B-5635	77
B-2487	86	B-2713	75	B-460	74	B-5336	82	B-5636	77
B-2488	86	B-2714	75	B-461	74	B-5337	82	B-5637	77

Index

CATALOG NO.	PAGE NO.								
B-5638	77	B-596	86	B-7513	91	B-7647	93	B-7909	95
B-5639	77	B-5961	81	B-7514	91	B-7648	93	B-7910	95
B-564	79	B-5963	81	B-7515	91	B-7649	93	B-7911	95
B-5640	82	B-5972	81	B-7520	91	B-7650	93	B-7912	95
B-5642	77	B-598	86	B-7521	91	B-7651	93	B-7913	95
B-5644	77	B-599	86	B-7522	91	B-7652	93	B-7914	95
B-5645	77	B-5992	81	B-7523	91	B-7653	93	B-7915	95
B-5652	77	B-600	86	B-7528	91	B-7654	93	B-7916	95
B-5659	77	B-6002	82	B-7529	91	B-7655	93	B-7917	95
B-566	79	B-6003	81	B-7530	91	B-7656	93	B-7918	95
B-5660	80	B-602	85	B-7531	91	B-7657	93	B-7919	95
B-5667	82	B-6025	81	B-7588	92	B-7658	93	B-7920	95
B-5668	77	B-603	85	B-7589	92	B-7659	93	B-7921	95
B-567	79	B-604	85	B-7590	92	B-7708	94	B-7922	95
B-5676	77	B-6046	77	B-7591	92	B-7709	94	B-7923	95
B-5677	82	B-6048	81	B-7592	92	B-7710	94	B-8011	82
B-5679	77	B-605	85	B-7593	92	B-7711	94	B-8027	82
B-5680	77	B-6051	82	B-7594	92	B-7712	94	B-8165	87
B-5682	77	B-6060	89	B-7595	92	B-7713	94	B-8214	82
B-5684	77	B-6061	89	B-7596	92	B-7714	94	B-8359	89
B-5686	77	B-6067	89	B-7597	92	B-7715	94	B-8379	85
B-5688	77	B-6072	89	B-7598	92	B-7716	94	B-8381	85
B-569	79	B-6114	84	B-7599	92	B-7717	94	B-8402	78
B-5698	81	B-616	85	B-7600	92	B-7718	94	B-8403	78
B-5699	81	B-6165	81	B-7601	92	B-7719	94	B-8410	85
B-570	79	B-617	85	B-7602	92	B-7720	94	B-8413	85
B-5702	82	B-618	85	B-7603	92	B-7721	94	B-8414	78
B-5709	76	B-619	85	B-7604	92	B-7722	94	B-8415	78
B-571	79	B-620	85	B-7605	92	B-7723	94	B-8422	78
B-572	79	B-6208	82	B-7606	92	B-7724	94	B-8423	85
B-5722	81	B-621	85	B-7607	92	B-7725	94	B-8426	78
B-573	79	B-622	85	B-7608	92	B-7726	94	B-8428	82
B-5732	81	B-624	85	B-7609	92	B-7727	94	B-8434	79
B-5734	81	B-625-H	85	B-7610	92	B-7728	94	B-8435	79
B-5738	81	B-626-H	85	B-7611	92	B-7729	94	B-8441	79
B-574	79	B-628	84	B-7612	92	B-7730	94	B-8442	79
B-5746	81	B-629	84	B-7613	92	B-7731	94	B-8451	82
B-575	79	B-6294	82	B-7614	92	B-7732	94	B-8452	79
B-5767	82	B-630	84	B-7615	92	B-7733	94	B-8454	79
B-577	79	B-631	84	B-7616	92	B-7734	94	B-8461	82
B-5777	81	B-644	84	B-7617	92	B-7735	94	B-8512	87
B-578	79	B-645	84	B-7618	92	B-7736	94	B-8718	87
B-5781	78	B-646	84	B-7619	92	B-7737	94	B-8726	82
B-579	79	B-647	84	B-7620	93	B-7738	94	B-8802	82
B-5803	81	B-648	84	B-7621	93	B-7739	94	B-8833	86
B-5804	81	B-649	84	B-7622	93	B-7884	95	B-8882	77
B-5820	81	B-650	84	B-7623	93	B-7885	95	B-9021	86
B-5821	81	B-652	84	B-7624	93	B-7886	95	B-9029	87
B-5830	81	B-653	84	B-7625	93	B-7887	95	B-9233	86
B-5833	81	B-654	84	B-7626	93	B-7888	95	B-9233-S	86
B-585	86	B-6552	77	B-7627	93	B-7889	95	B-9253	89
B-5850	81	B-6630	80	B-7628	93	B-7890	95	B106-32	100
B-5857	81	B-6766	82	B-7629	93	B-7891	95	B106-37	100
B-586	86	B-6906	80	B-7630	93	B-7892	95	B106-41	100
B-587	86	B-7075	84	B-7631	93	B-7893	95	B107-32	100
B-5877	81	B-7146	84	B-7632	93	B-7894	95	B107-37	100
B-588	86	B-7192	85	B-7633	93	B-7895	95	B107-41	100
B-588-S	86	B-7500	91	B-7634	93	B-7896	95	B2D12	51
B-589	86	B-7501	91	B-7635	93	B-7897	95	B2D12N	51
B-590	86	B-7502	91	B-7636	93	B-7898	95	B2E12	51
B-5904	81	B-7503	91	B-7637	93	B-7899	95	B2E12N	51
B-591	86	B-7504	91	B-7638	93	B-7900	95	B2F12	51
B-5910	89	B-7505	91	B-7639	93	B-7901	95	B2F12N	51
B-592	86	B-7506	91	B-7640	93	B-7902	95	B2G12N	51
B-593	86	B-7507	91	B-7641	93	B-7903	95	B370320-01	71
B-5935	81	B-7508	91	B-7642	93	B-7904	95	B370320-02	71
B-594	86	B-7509	91	B-7643	93	B-7905	95	B370320-03	71
B-5940	81	B-7510	91	B-7644	93	B-7906	95	B38-0101-00	102
B-5943	77	B-7511	91	B-7645	93	B-7907	95	B38-0101-01	102
B-595	86	B-7512	91	B-7646	93	B-7908	95	B38-0135-00	101

CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.
B38-0135-01	101	BB154L	48	BS-2024	83	GAR1126	32	GAR644C	32
B38-0302-00	102	BB226L	48	BS-2025	83	GAR1129	32	GAR644C-RB	34
B38-0302-02	102	BB300L	48	BS-2026	83	GAR114C	32	GAR8629	33
B38-0303-00	102	BBB14210A	65	BS-2027	83	GAR1426	32	GB26	52
B38-0304-00	102	BBB14224B	65	BS-2028	83	GAR1429	32	GB29	52
B38-0305-00	102, 107	BBB14410C	65	BS-2029	83	GAR1434	32	GB34	52
B38-0306-00	101, 102	BBB14410D	65	BS-2030	83	GAR144C	32	GB4C	52
B38-0307-00	102	BBB14412E	65	BS-2031	83	GAR1526	32	GBL30	52
B38-0308-00	102	BBB14412F	65	BS-2032	83	GAR1529	32	GBM26	52
B38-0309-00	102	BBB14416G	65	BS-2033	83	GAR1534	32	GBM29	52
B38-0309-01	102	BBB14416H	65	BS-2034	83	GAR154C	32	GBM34	52
B38-0329-00	103	BBB14420J	65	BS-2068	83	GAR1626	32	GBM4C	52
B38-0330-00	101	BBB412UD	65	BS-2069	83	GAR1629	32	GC15A	44
B38-0904-00	102	BBB424UD	65	BS-2070	83	GAR1634	32	GC18A	44
B38-3662-01	103	BBBHR19	65	BS-2105	83	GAR164C	32	GC22A	44
B38-3662-02	103	BBBVR36	65	BS-2106	83	GAR1726	32	GC2525CT	54
B38-3662-03	103	BCC1000CJAL	125	BS-2107	83	GAR1729	32	GC2626	52
B38-3662-04	103	BCCBAT12V	125	BS-2108	83	GAR1734	32	GC2626CT	54
B38-3662-05	103	BCCCASE	125	BS-2109	83	GAR174C	32	GC2929	52
B38-3662-06	103	BCCCHGR	125	BS-2110	83	GAR1826	32	GC2929CT	54
B38-3922-00	101, 102	BCT/PATDCCHGR	118, 120, 126, 128	BSD2050	58	GAR1829	32	GC3434	52
B38032900	91-95			BSD2050N	58	GAR1834	32	GC4C4C	52
B38406100	91-95	BD12	50	BSD2050Y	58	GAR184C	32	GCL30	52
B38406200	91-95	BD12N	50	BWB680IG	57	GAR1926	32	GCM26	52
B38406300	91-95	BD18	50	BWB860AG	57	GAR1929	32	GCM29	52
B38412900	101	BD18N	50	C-11B	38	GAR1934	32	GCM30	52
B38412905	101	BD24	50	C-11CSH-1	43	GAR194C	32	GCM34	52
B3D12	51	BD24N	50	C-11CSH-2	43	GAR2026	33	GCM4C	52
B3D12N	51	BDT1	55	C-11CSH-3	43	GAR2029	33	GCRT1/0	47
B3E12	51	BDTIBB	56	C-11D	38	GAR2034	33	GD1526	36
B3E12N	51	BE12	50	C-11JA	40	GAR204C	33	GD1529	36
B3F12	51	BE12N	50	C-11JPT	38	GAR2126	33	GD1626	36
B3F12N	51	BE18	50	C-11LH-1	42	GAR2129	33	GD1629	36
B3G12	51	BE18N	50	C-11LH-2	42	GAR2134	33	GD1726	36
B3G12N	51	BE24	50	C-11LH-3	42	GAR214C	33	GD1729	36
B40-0106-27.	100	BE24N	50	C-11N	38	GAR2226	33	GD1734	36
B40-0106-75	99	BF12	50	C-22	38	GAR2229	33	GD174C	36
B40-0106-76	100	BF12N	50	C-22D	38	GAR2234	33	GD1826	36
B40-0106-77	100	BF18	50	C-22JA	40	GAR224C	33	GD1829	36
B40-0106-78	100	BF18N	50	C-22JPT	38	GAR2426	33	GD1834	36
B40-0319-01	101	BF24	50	C-22LH-1	42	GAR2429	33	GD184C	36
B40-0319-03	101	BF24N	50	C-22LH-2	42	GAR2434	33	GD1926	36
B40-3657-00	99	BG12	50	C-22LH-3	42	GAR244C	33	GD1929	36
B40-4431-01	100	BG12N	50	C-4	38	GAR3902	34	GD1934	36
B404431-00	100	BG18	50	C-4JA	40	GAR3902-BU	34	GD194C	36
B4D12	51	BG18N	50	C-4JPT	38	GAR3902TC	35	GD2026	36
B4D12N	51	BG24	50	C-4LH-1	42	GAR3903	34	GD2029	36
B4E12	51	BG24N	50	C-4LH-2	42	GAR3903-BU	34	GD2034	36
B4E12N	51	BGM3050	98	C-4LH-3	42	GAR3903TC	35	GD204C	36
B4F12	51	BGM3100	98	C-5 JUNIOR	38	GAR3904	34	GD2126	36
B4F12N	51	BGM640044	98	C-6	41	GAR3904-BU	34	GD2129	36
B4G12N	51	BGM64006	98	C-61	42	GAR3904TC	35	GD2134	36
BA-200	103	BGM640066	98	C-66	42	GAR3905	34	GD214C	36
BA-201	103	BGM640068	98	C-6D	41	GAR3905-BU	34	GD2226	36
BA-202	103	BS-2006	83	C-7	41	GAR3905TC	35	GD2229	36
BA-203	103	BS-2007	83	C-8	38	GAR3906	34	GD2234	36
BA-204	103	BS-2008	83	C11CSLH12	43	GAR3906-BU	34	GD224C	36
BA-205	103	BS-2009	83	C11HD4/ODB	40	GAR3906TC	35	GG15-1	45
BA-207	103	BS-2010	83	C11K16D	39	GAR3907	34	GG16-1	45
BA-208	103	BS-2011	83	C11K17D	39	GAR3907-BU	34	GG17-1	45
BA-209	103	BS-2012	83	C22HD4/ODB	40	GAR3907TC	35	GG17-15	45
BA-211	103	BS-2013	83	CASEWDIES	116	GAR3908	34	GG18-1	45
BA-212	103	BS-2014	83	CL50-1	31	GAR3908-BU	34	GG18-15	45
BA-213	103	BS-2015	83	CL50-1TN	31	GAR3908TC	35	GG18-2	45
BA-214	103	BS-2016	83	CZ-11	39	GAR3909	34	GG19-2	45
BA-215	103	BS-2017	83	EPP10	131	GAR3909-BU	34	GG19-25	45
BA-240	103	BS-2018	83	EPP6	131	GAR3909TC	35	GG20-2	45
BAT18V	118, 120, 126, 128	BS-2019	83	EPPCASE-1	131	GAR6426	32	GG20-25	45
BAT18VLI	119, 121, 127, 129	BS-2020	83	EQC632C	30	GAR6429	32	GG20-3	45
BB077L	48	BS-2021	83	GA25H26	61	GAR6434	32	GG21-2	45

Index

CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.
GG21-25	45	GRC58	47	KC26B1	29	PENHT-1LB	107	TMH262SS	110
GG21-3	45	GRF4C-3	62	KC28	29	PENHT-4	107	TMH263	110
GG21-35	45	GRF4C-4	62	KC28B1	29	PENHT-8	107	TMH263SS	110
GG22-2	45	GRL3	47	KC31	29	PENHT-GAL	107	TMH264	110
GG22-25	45	GRL4	47	KC31B1	29	PT 29074-1	136	TMH264SS	110
GG22-3	45	GRL5	47	KC34	29	PT 29900-10	136	TMH265	110
GG22-4	45	GRL6	47	KC34B1	29	PT 29900-15	136	TMH265SS	110
GG24-2	45	GROUNDMAX™	96	KC34J12T13	30	PT 29900-25	136	TMH266	110
GIE2CG3	59	GSTUD14HY	26	KPB4CG1	31	PT 29901-10	136	TMH267	110
GIE4CG3	59	GSTUD34HY	26	KS15	30	PT 29901-15	136	TMH267SS	110
GIE4CG3P5	59	GSTUD38HY	26	KS17	30	PT 29901-25	136	TMH268	110
GIE4CG3P7	59	GSTUD916HY	26	KS20	30	PT 29902-10	136	TMH268SS	110
GIE4CG4	59	GX2626	46	KS22	30	PT 29902-15	136	TMH269	110
GIE4CG4P5	59	GX264C	46	KS23	30	PT 29902-25	136	TMH269SS	110
GIE4CG4P7	59	GX2926	46	KS25	30	PT 76	136	TMH270	110
GK1126	37	GX2929	46	KS26	30	PT 91	136	TMH270SS	110
GK1129	37	GX294C	46	KS27	30	PT10024162	124	TMH271	110
GK114C	37	GX3426	46	KS29	30	PT10037384	124, 126, 127, 134	TMH271SS	110
GK1426	37	GX3429	46	KS31	30			TMH272	110
GK1429	37	GX3434	46	KS34	30	PT10037388	124, 126, 127, 134	TMH272SS	110
GK1434	37	GX344C	46	MCC1000	122			TMH289	110
GK1526	37	GX4C4C	46	MCC1000BLADESET	122	PT10038657	128, 129, 135	TMH294	110
GK1529	37	GXP1828RF	64	MCC500	122	PT10040663	128, 129, 135	TMH294SS	110
GK1626	37	GZ26-12	53	MCC500BLADESET	122	PT10043890	134	TMH295	110
GK1629	37	GZ26-38	53	P15K	120, 121, 133	PT10044980	128	TMH295SS	110
GK1726	37	GZ26-58	53	P8A	107	PT10054094	135	TMH322SS	110
GK1729	37	GZ29-12	53	PAT46-18V	120	PT10128	133	TMH332	110
GK1826	37	GZ29-38	53	PAT46-LI	121	PT208620	118, 119, 126-129	TMH69	110
GK1829	37	GZ29-58	53	PAT46C-18V	120	PT29279-2	117, 132	TMH69SS	110
GK1926	37	GZ4C-12	53	PAT46C-LI	121	PT29291	116, 117, 132	TMHG-42	24
GK1929	37	GZ4C-38	53	PAT750-LI	119	PT29402-1	132	TMHG-92	24
GK6426	37	GZ4C-58	53	PAT750C-LI	119	PUADP-1	120, 121, 133	U1CART	116
GK6429	37	J278	60	PAT750CXT-18V	118	QGFL1CB1	61	U1CRT-1	116
GK6434	37	J279	60	PAT750XT-18V	118	QGFL1CB1T6	61	U25ART	116
GK644C	37	J280	60	PATCHGR-LI	119, 127, 129	QGFL26B1	61	U25RT	116
GKA4C	31	J295	60	PATCHGR-LI18V	121	QGFL26B1T6	61	U26ART	116
GKA8C	31	K2C15	29	PATCHGR-LI250V	119, 121, 127, 129	QGFL26B2	61	U26RT	116
GL2626	53	K2C15B1	29			QGFL26B2T6	61	U27ART	116
GL2929	53	K2C17	29	PATCHGR-LIDC	119, 121, 127, 129	QGFL29B1	61	U27RT	116
GL3434	53	K2C17B1	29			QGFL29B1T6	61	U28ART	116
GL4C4C	53	K2C20	29	PATCHGR18V	118, 120, 126, 128	QGFL31B1	61	U28RT	116
GP1126	37	K2C20B1	29			QGFL31B1T6	61	U29ART	116
GP1129	37	K2C22	29	PATCHGR250V	118, 120, 126, 128	QGFL34B1	61	U29RT	116
GP114C	37	K2C22B1	29			QGFL34B1T6	61	U2CABT	116
GP1426	37	K2C23	29	PATCUT129ACSR-18V	126	QGFL39B1	61	U2CRT	116
GP1429	37	K2C23B1	29	PATCUT245CUAL-18V	128	QGFL39B1T6	61	U30ART	116
GP1434	37	K2C25	29	PEN A-4	107	QGFL44B1	61	U30RT	116
GP144C	37	K2C25B1	29	PEN A-55GAL	107	QGFL44B1T6	61	U31ART	116
GP1526G1	63	K2C26	29	PEN A-5GAL	107	QGFL46B1	61	U31RT	116
GP1629	37	K2C26B1	29	PEN A-GAL	107	QGFL46B1T6	61	U32ART	116
GP164C	37	K2C28	29	PEN A-QT	107	QGFL48B1	61	U32RT	116
GP1726	37	K2C28B1	29	PEN A13-4	107	QIKLITE	70	U34ART	116
GP1726G1	63	K2C31	29	PEN A13-55GAL	107	QIKLITEKIT	70	U34RT	116
GP1726RT	63	K2C31B1	29	PEN A13-5GAL	107	QIKSTIK	70	U36ART	116
GP1826	37	K2C34	29	PEN A13-8	107	RCC1000	123	U36RT	116
GP184C	37	K2C34B1	29	PEN A13-GAL	107	RCC336	123	U38XRT	116
GP2026	37	KC15	29	PEN A13-QT	107	RCC556	123	U39ART-2	116
GP2226	37	KC15B1	29	PEN E-4	107	RCC600	123	U39RT	116
GP6426	37	KC17	29	PEN E-55GAL	107	RCC750HD	123	U3CRT	116
GP6429	37	KC17B1	29	PEN E-5GAL	107	RCC954ACSR1K	123	U44XRT	116
GP6434	37	KC20	29	PEN E-8	107	RGC39G1	60	U4CABT	116
GP644C	37	KC20B1	29	PEN E-GAL	107	RGC44G1	60	U4CRT	116
GP64526G1	63	KC22	29	PEN E-QT	107	RHCC129ACSR	134	U5CRT	116
GP654CG1	63	KC22B1	29	PENA 1/2	107	RHCC245CUAL	135	U6CABT	116
GQ26-1	46	KC22J12T13	30	PENA13CARTRIDGE	107	RHCHSA	134	U8CABT	116
GQ2626	46	KC23	29	PENACARTRIDGE	106, 107	RP50RP02	125	U8CRT	116
GQ29-1	46	KC23B1	29	PENETROX™ A	107	RP50RP03	125	UB101	114
GQ2929	46	KC25	29	PENETROX™ A-13	106, 107	TMH261	110	UB1027	114
GRC12	47	KC25B1	29	PENETROX™ E	106, 107	TMH261SS	110	UB1028	114
GRC34	47	KC26	29, 30	PENETROX™ HT	106, 107	TMH262	110	UB1029	114

CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.	CATALOG NO.	PAGE NO.
UB1030	114	UB328	114	W34VT	116	YGHA25-2N	19	YGIBS28-462-2N	25
UB1031	114	UB336	114	W36CRT	116	YGHA26-2N	19	YGIBS28-550-2N	25
UB1032	114	UB337	114	W36RT	116	YGHA27-2N	19	YGIBS28-613-2N	25
UB1033	114	UB344	114	W3CRT	116	YGHA28-2N	19	YGIBS28-675-2N	25
UB104	114	UB354	114	W4CRT	116	YGHA29-2N	19	YGIBS34-338-2N	25
UB105	114	UB357	114	W4CVT	116	YGHA2C-2N	19	YGIBS34-400-2N	25
UB106	114	UB358	114	W5CRT	116	YGHA31-2N	19	YGIBS34-462-2N	25
UB107	114	UB383	114	W5CVT	116	YGHA34-2N	19	YGIBS34-550-2N	25
UB124	114	UB384	114	W660	116	YGHC26C2	14	YGIBS34-675-2N	25
UB178	114	UB390	114	W8CRT	116	YGHC26C26	14	YGIW28-338-2N	25
UB187	114	UB392	114	W8CVT	116	YGHC29C26	14	YGIW28-400-2N	25
UB199	114	UB399	114	WIREMIKE	117, 132	YGHC29C29	14	YGIW28-462-2N	25
UB204	114	UB400	114	X8CART	116	YGHC2C2	14	YGIW28-550-2N	25
UB222	114	UB416	114	Y10AC9	130	YGHC34C26	14	YGIW28-613-2N	25
UB224	114	UB422	114	Y10AC90EM	130	YGHC34C29	14	YGIW28-675-2N	25
UB226	114	UB425	114	Y46	133	YGHC34C34	14	YGIW34-338-2N	25
UB230	114	UB436	114	Y46-2	133	YGHP29C2	12	YGIW34-400-2N	25
UB232	114	UB437	114	Y46C	133	YGHP29C26	12	YGIW34-462-2N	25
UB236	114	UB464	114	Y750BHXT	132	YGHP29C29	12	YGIW34-550-2N	25
UB242	114	UB540	114	Y750CBHXT	132	YGHP29C6W6W	12	YGIW34-613-2N	25
UB244	114	W161	116	Y750CHSXT	117	YGHP2C2	12	YGIW34-675-2N	25
UB249	114	W162	116	Y750HSCASE	117	YGHP2C6W6W	12	YGL29C2	10
UB254	114	W163	116	Y750HSXT	117	YGHP34C2	12	YGL29C29	10
UB256	114	W166	116	YAC-CASE	130	YGHP34C26	12	YGL2C2	10
UB257	114	W1CRT	116	YAC-29ACSR	124	YGHP34C29	12	YGL34C2	10
UB258	114	W1CVT	116	YG14B2TC2C2C	28	YGHP34C34	12	YGL34C29	10
UB260	114	W239	116	YG14B2TC2C6C	28	YGHP58C2W-2	13	YGL34C34	10
UB261	114	W241	116	YG14BTC28	28	YGHP58C2W-2TN	13	YGLR29C100	11
UB262	114	W245	116	YGA25-2N	20	YGHR26C100	17	YGLR29C12	11
UB263	114	W25CRT	116	YGA26-2N	20	YGHR26C12	17	YGLR29C34	11
UB264	114	W25VT	116	YGA28-2N	20	yghr26c34	17	YGLR29C58	11
UB266	114	W26CRT	116	YGA29-2N	20	YGHR26C34	17	YGLR34C100	11
UB267	114	W26VT	116	YGA2C-2N	20	YGHR26C58	17	YGLR34C12	11
UB268	114	W27CRT	116	YGA2C-2TC38	20	YGHR29C100	17	YGLR34C34	11
UB269	114	W27VT	116	YGA34-2N	20	YGHR29C12	17	YGLR34C58	11
UB271	114	W28CRT	116	YGA6C-2N	20	YGHR29C34	17	YGS25	21
UB275	114	W28VT	116	YGA6C-2TC38E2G1	20	YGHR29C58	17	YGS26	21
UB282	114	W29CRT	116	YGA6C-TC10	20	YGHR34C100	17	YGS28	21
UB291	114	W29VT	116	YGA6C-TC14	20	YGHR34C34	17	YGS29	21
UB293	114	W2CRT	116	YGA6C-TC516	20	YGHR34C58	17	YGS2C	21
UB294	114	W2CVT	116	YGA8C-2N	20	YGHR58C2W-3	18	YGS34	21
UB300	114	W30CRT	116	YGA8C-TC10	20	YGHS25	19	YGS6C	21
UB302	114	W30VT	116	YGA8C-TC14	20	YGHS26	19	YGS8C	21
UB306	114	W31ART	116	YGA8C-TC516	20	YGHS27	19	YGT275	27
UB310	114	W31CRT	116	YGC6C6	15	YGHS28	19	YSHG3429	16
UB311	114	W31VT	116	YGC6C8	15	YGHS29	19	YSHG3434	16
UB314	114	W32CRT	116	YGC8C8	15	YGHS2C	19	YSHG3931	16
UB315	114	W32VT	116	YGF29-2N	22	YGHS31	19	YSHG4429	16
UB317	114	W33CRT	116	YGF29-4N	22	YGHS34	19	YTTAG388	27
UB318	114	W33VT	116	YGF34-2N	22	YGIBS28-338-2N	25		
UB319	114	W34CRT	116	YGF34-4N	22	YGIBS28-400-2N	25		



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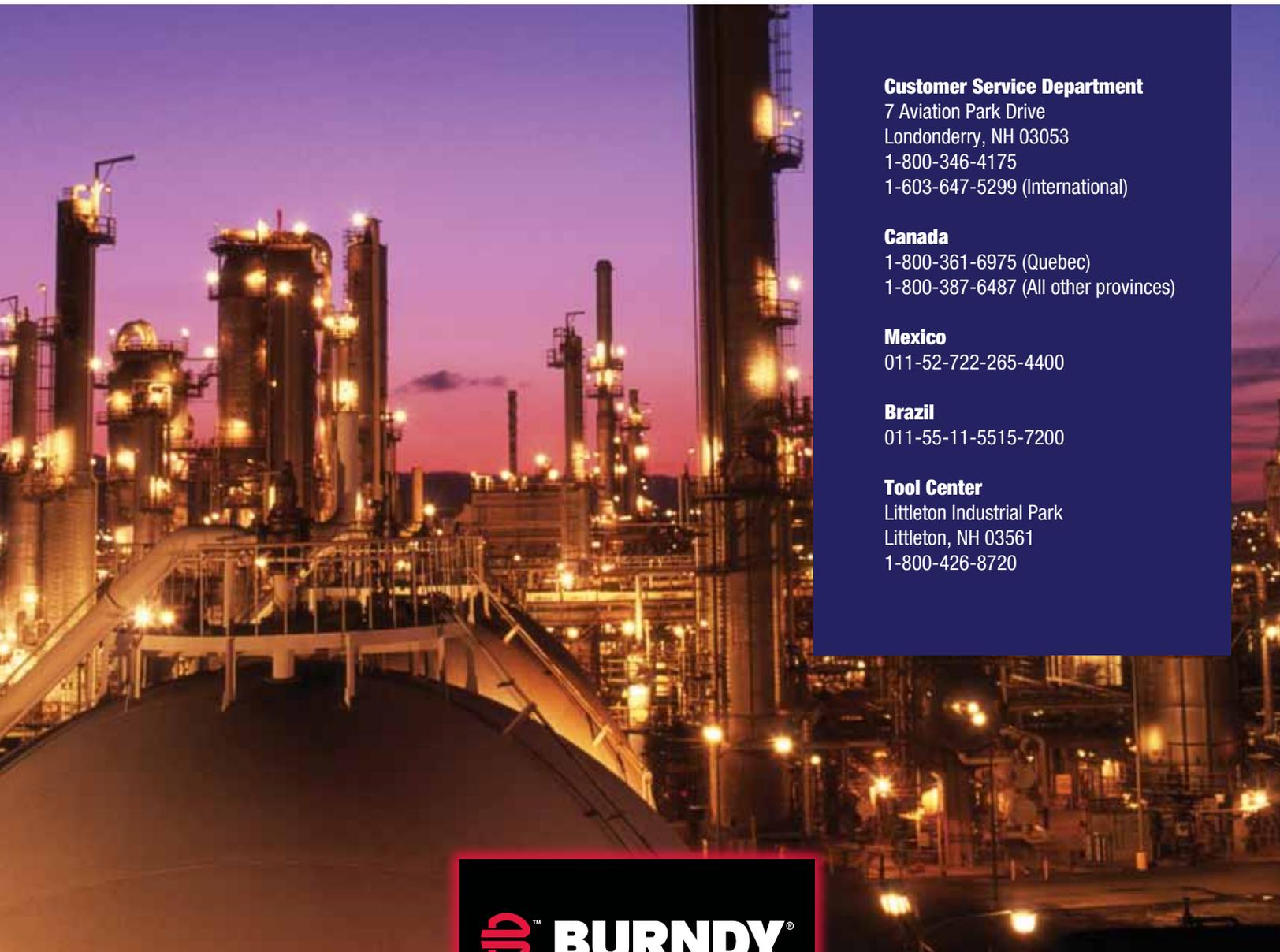
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