



Metric References Grounding & Earthing Solutions



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Equivalent Metric Size given in []; Metric sizes provided for reference only.

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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

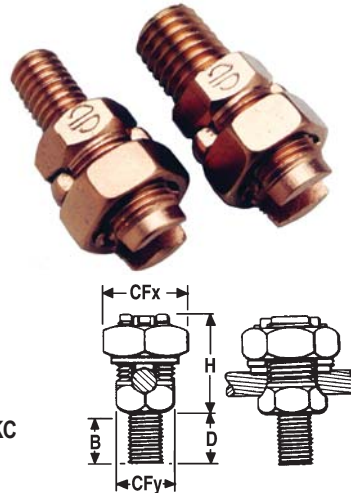
SERVIT POST™

For Copper Cable to Flat

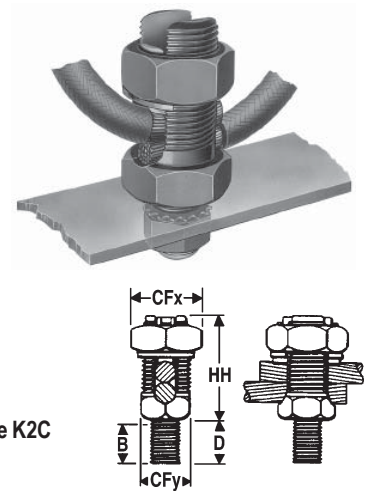
SERVIT POST™ used to ground one or two cables to steel structures, fence posts, transformers. Also used to tap one or two cables from bus bar. One-wrench installation.



Type KC



Type K2C



TYPE KC ①	TYPE K2C ②	Stranded	Solid	Stud Diameter	B	CFx	CFy	D	H	HH
KC15	K2C15	12 [4mm²]-9 [6mm²]	12 [4mm²]-8 [10mm²]	1/4 -20	3/8 [9.5]	1/2 [12.7]	3/8 [9.5]	1/2 [12.7]	5/8 [15.9]	7/8 [22.2]
KC15B1	K2C15B1				7/8 [22.2]	1/2 [12.7]	3/8 [9.5]	1 [25.4]		
KC17	K2C17	10 [6mm²]-7 [10mm²]	10 [6mm²]-6 [16mm²]	1/4 -20	3/8 [9.5]	5/8 [15.9]	7/16 [11.1]	1/2 [12.7]	7/8 [22.2]	1 [25.4]
KC17B1	K2C17B1				7/8 [22.2]	5/8 [15.9]	7/16 [11.1]	1 [25.4]		
KC20	K2C20	10 [6mm²]-5 [16mm²]	10 [6mm²]-4 [25mm²]	5/16 -18	13/32 [10.3]	11/16 [17.5]	1/2 [12.7]	5/8 [15.9]	7/8 [22.2]	1-1/8 [28.6]
KC20B1	K2C20B1				27/32 [21.4]	11/16 [17.5]	1/2 [12.7]	1 [25.4]		
KC22	K2C22	10 [6mm²]-3 [25mm²]	10 [6mm²]-2 [35mm²]	3/8 - 16	15/32 [11.9]	3/4 [19.0]	5/8 [15.9]	5/8 [15.9]	1 [25.4]	1-1/4 [31.8]
KC22B1	K2C22B1				31/32 [24.6]	3/4 [19.0]	5/8 [15.9]	1-1/8 [28.6]		
KC23	K2C23	8 [10mm²]-2 [35mm²]	10 [6mm²]-1 [35mm²]	3/8 - 16	15/32 [11.9]	13/16 [20.6]	5/8 [15.9]	5/8 [15.9]	1 [25.4]	1-3/8 [34.9]
KC23B1	K2C23B1				31/32 [24.6]	13/16 [20.6]	5/8 [15.9]	1-1/8 [28.6]		
KC25	K2C25	2 [35mm²]-1/0 [50mm²]	2 [35mm²]-2/0 [70mm²]	1/2 -13	9/16 [14.3]	15/16 [23.8]	3/4 [19.0]	3/4 [19.0]	1-1/8 [28.6]	1-5/8 [41.3]
KC25B1	K2C25B1				1-1/16 [27]	15/16 [23.8]	3/4 [19.0]	1-1/4 [31.8]		
KC26	K2C26	2 [35mm²]-2/0 [70mm²]	2 [35mm²]-3/0 [70mm²]	1/2 -13	17/32 [13.5]	1 [25.4]	7/8 [22.2]	3/4 [19.0]	1-3/8 [34.9]	1-7/8 [22.2]
KC26B1	K2C26B1				1-1/16 [27]	1 [25.4]	7/8 [22.2]	1-1/4 [31.8]		
KC28	K2C28	1 [35mm²]-4/0 [95mm²]	1 [35mm²]-4/0 [95mm²]	5/8 - 11	3/4 [19.0]	1-1/2 [38.1]	1-3/16 [30.2]	1 [25.4]	1-3/4 [44.5]	2-1/4 [57.2]
KC28B1	K2C28B1			1/2-13	1-1/4 [31.8]	1-1/2 [38.1]	1-3/16 [30.2]	1-1/2 [38.1]		
—	K2C28G3				1-1/4 [31.8]	1-1/2 [38.1]	1-3/16 [30.2]	1-1/2 [38.1]		
KC31	K2C31	1 [35mm²]-350 [185mm²]	-	5/8 - 11	3/4 [19.0]	1-11/16 [42.9]	1-3/8 [34.9]	1 [25.4]	2-1/4 [57.2]	2-7/8 [73.0]
KC31B1	K2C31B1				1-1/4 [31.8]	1-11/16 [42.9]	1-3/8 [34.9]	1-1/2 [38.1]		
KC34	K2C34	3/0 [70mm²]-500 [240mm²]	-	3/4 -10	1 [25.4]	2 [50.8]	1-5/8 [41.3]	1-1/4 [31.8]	2-3/8 [60.3]	3-1/4 [82.6]
KC34B1	K2C34B1				1-1/2 [38.1]	2 [50.8]	1-5/8 [41.3]	1-3/4 [38.1]		

① For 1 conductor
② For 1 or 2 conductors

NOTES:
Add "NSP" suffix to catalog numbers to have connector supplied with split lockwasher and nut

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

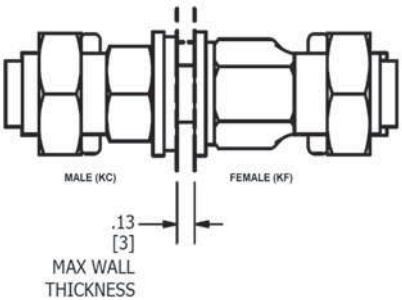
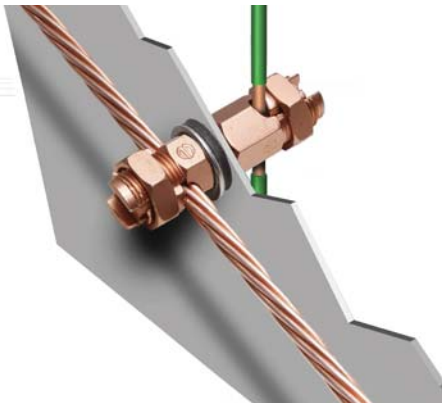
TYPE KCKF

Bulkhead Ground Connector

The “Bulkhead” connector is designed to allow a ground wire to be connected from the inside of a box or enclosure to the outside of a box or enclosure.

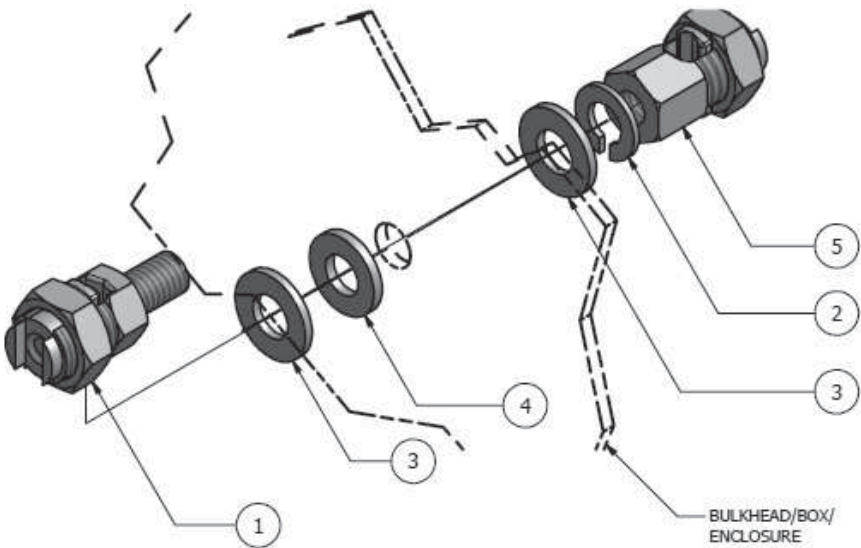
This new connector is supplied in kit form with a male SERVIT POST™, female SERVIT®, (2) stainless steel washers, split lock washer and sealing washer.

The available “Application Guideline” document helps describe the application with visuals and installation examples.



Features & Benefits

- Provides an easy way to connect ground wires “through” an enclosure wall
- Includes Male SERVIT POST™, Female SERVIT®, (2) Stainless Steel Washers, Split Lock Washer, Sealing Washer
- Split Lock Washer allows adjustment of conductor orientation
- Made of Silicon Bronze material (connectors) and Stainless Steel Hardware, Sealing Washer
- Meets NEMA 4X requirements when installed correctly
- Application Guideline document available
- Industry proven split bolt/SERVIT POST™ technology



	Qty	Description
1	1	Male SERVIT POST™
2	1	Stainless Steel Split Lock Washer*
3	2	Stainless Steel Flat Washer*
4	1	Sealing Washer*
5	1	Female SERVIT®

*One flat washer and sealing washer to be installed on outside of box or, where applicable, to side of wall exposed to atmospheric or contaminated conditions. Remaining hardware to be mounted to opposite side of the wall as shown.

Catalog Number	ACCOMMODATES			NUT TORQUE IN-LBS [N-M]	MAX. THRU HOLE
	AWG		METRIC		
	STRANDED	SOLID	STRANDED		
KCKF23	#8 (.146) - #2 (.292)	#10 (.102) - #1 (.289)	10mm² (4.1) - 35mm² (6.5)	275 [31.1]	7/16
KCKF25	#2 (.292) - 1/0 (.373)	#2 (.258) - 2/0 (.365)	35mm² (6.5) - 50mm² (9.3)	385 [43.5]	9/16
KCKF28	#1 (.332) - 4/0 (.528)	#1 (.289) - 4/0 (.460)	50mm² (9.3) - 95mm² (12.8)	500 [56.5]	11/16

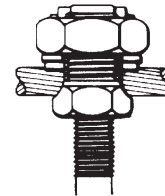
Notes:
Dimensions in () are cable diameters.
Diameters of AWG wires are in inches.
Diameters for metric wires are given in mm.

TYPES KC22J12T13, EQC632C

Transformer Ground Connectors

For Copper

Fits all standard EEl NEMA distribution transformers as tank grounding terminal.



1/2-13
stud size

Type KC22B2

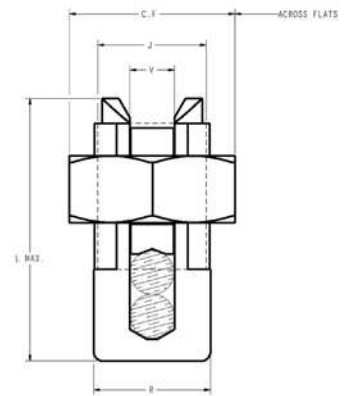
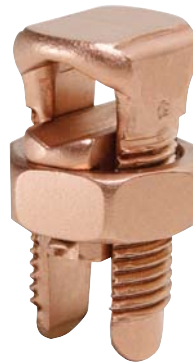
Catalog Number	Ranges
KC22J12T13	8 Sol. [10 mm²]- 2 Sol. [35 mm²]
KC26	2 Sol. [35 mm²] - 2/0 Str. [70 mm²]
KC34J12T13	3/0 [70 mm²]- 500 Str. [240 mm²]
EQC632C	8 Sol. [10mm²] - 2 Str. [35mm²]

TYPE KS

SERVIT®

For Copper, Copperweld

Compact, high strength, high copper alloy SERVIT® split-bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® provides maximum pressure and assures a secure connection on all combinations of run and tap conductors.



Catalog Number	Cross Flats	L	W	Conductor						Rebar with (1) #8 Sol. Cu	Recommended Tightening Torque (in-lb)
				Copper		Copperweld®					
						Maximum Run and Tap					
				Equal Run & Tap	Min Tap with Max Run	Sol.	Str.	Type A	Type D		
KS15	0.5 [12.7]	0.85 [21.6]	0.38 [9.7]	10 Str. [6 mm²]- 8 Str. [10 mm²]	14 Str.	#8	—	—	—	—	80
KS17	0.63 [16]	1.14 [29]	0.45 [11.4]	8 Str. [10 mm²] - 6 Sol. [16 mm²]	14 Str.	#6	3 #12	8A	9-1/2D	—	165
KS20	0.69 [17.5]	1.2 [30.5]	0.51 [13]	8 Str. [10 mm²] - 4 Sol. [25 mm²]	14 Str.	#4	3 #10	6A	8D	—	165
KS22	0.75 [19.1]	1.5 [38.1]	0.6 [15.2]	6 Str.[16 mm²] - 2 Sol. [35 mm²]	14 Str.	#2	3 #8	4A	6D	—	275
KS23	0.82 [20.8]	1.54 [39.1]	0.62 [15.7]	6 Str.[16 mm²] - 2 Str. [35 mm²]	14 Str.	#1	3 #7	3A	5D	—	275
KS25	0.94 [23.9]	1.77 [45]	0.73 [18.5]	4 Str. [25 mm²] - 1/0 Str.[50 mm²]	14 Str.	2/0	3 #5	2A	4D	—	385
KS26	1.05 [26.7]	1.94 [49.3]	0.82 [20.8]	2 Str [35 mm²]. - 2/0 Str. [70 mm²]	14 Str.	3/0	7 #7	—	—	#3 (3/8")	385
KS27	1.36 [34.5]	1.86 [47.2]	1.17 [29.7]	1 Str. [35 mm²] - 3/0 Str. [70 mm²]	8 Sol.	—	—	—	—	—	500
KS29	1.36 [34.5]	2.07 [52.6]	1.17 [29.7]	1 Str. [35 mm²] - 250 [120 mm²]	8 Str.	4/0	7 #5	—	—	#4 (1/2")	650
KS31	1.7 [43.2]	2.51 [63.8]	1.41 [35.8]	1/0 Str.[50 mm²] - 350 [185 mm²]	1/0 Str.	—	19 #8	—	—	#5 (5/8")	650
KS34	1.82 [46.2]	2.79 [70.9]	1.48 [37.6]	2/0 Str. [70 mm²] - 500 [240 mm²]	2/0 Str.	—	19 #6	—	—	#6 (3/4")	825

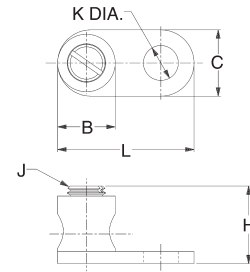
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 [6 mm ²] - 8 [10 mm ²]	0.31 [7.9]	0.38 [9.7]	0.58 [14.7]	0.5 [12.7]	0.21 [5.3]	0.81 [20.6]
GKA4C ②	14 [2.5 mm ²] - 4 [25 mm ²]	0.46 [11.7]	0.54 [13.7]	0.71 [18]	0.31 [7.9]	0.28 [7.1]	1.13 [28.7]

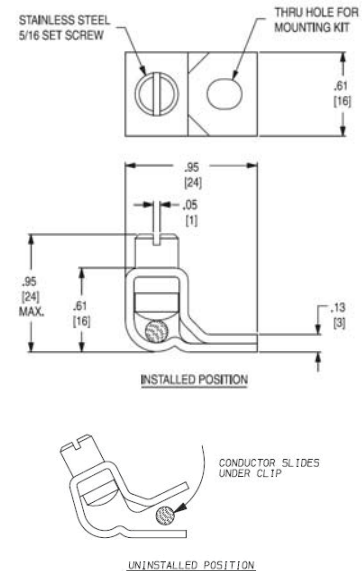
① To be assembled with TMH322SS stainless steel hardware kit, ordered separately

② To be assembled with TMH323SS 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	Copper Cable Range	Stud Hole
KPB4CG1①	10 [6 mm ²] - 4 [25 mm ²]	#10

① To be assembled with TMH322SS stainless steel hardware kit, ordered separately

Recommended Torque Values for Direct Burial UNITAP™		Recommended BURNDY® Torque Wrench
Conductor Size	Recommended Torque Range	
#12 [3.0mm ²] - #6 [13mm ²] AWG	125 - 150 in-lbs	BTW30150
#4 [21mm ²] - 3/0 [85mm ²] AWG	180 - 240 in-lbs	BTW150750
4/0 [107mm ²] - 350 [177mm ²] AWG	275 - 450 in-lbs	BTW150750
400 [203mm ²] - 1000 [507mm ²] AWG	475 - 550 in-lbs	BTW150750



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	#10	#10
CL50-1TN ①		
CL50-1TNBULK ①		

①-TN version is tin plated, commonly used for solar panel grounding

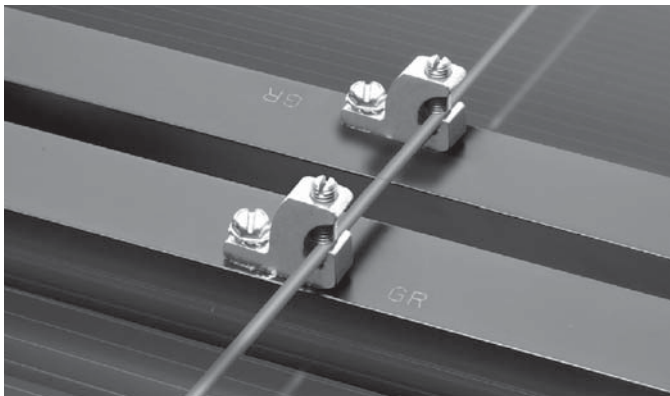
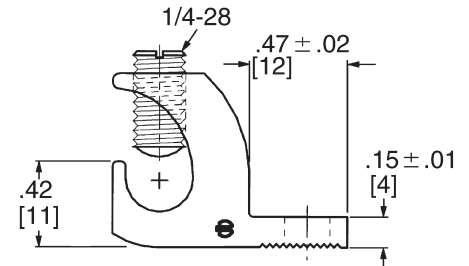
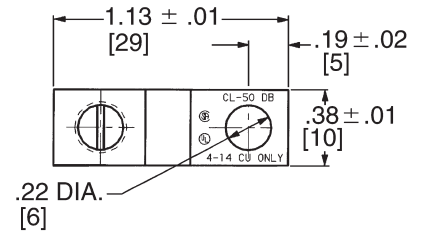
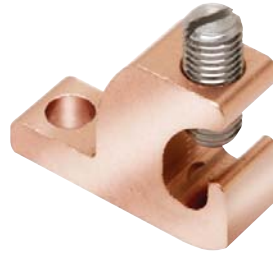
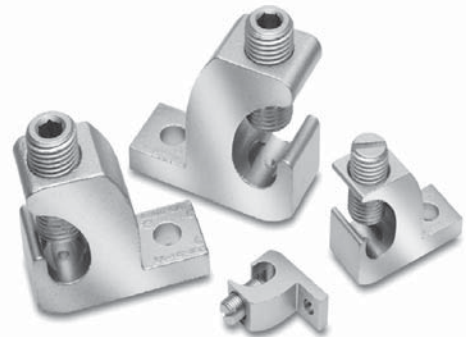


Photo above shows a typical solar panel installation using CL50-1TN connectors.

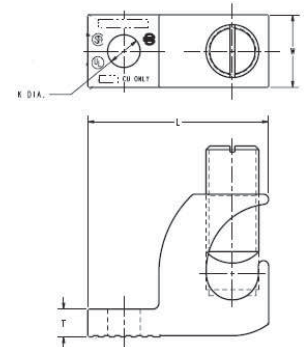
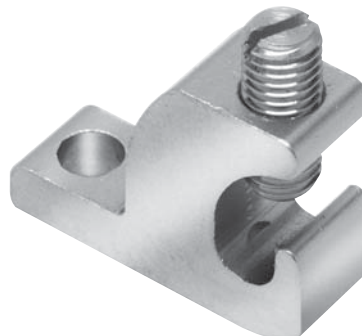


TYPE CL

COPPER LAY-IN QIKLUG™

For Copper

Manufactured for maximum strength and conductivity, these lay-in lugs allow for continuous runs of conductor and are well suited as terminations as well. Tin-plated, set screw style connectors, three sizes cover a range from #14AWG to 250 kcmil. CL3/0-516TN and CL250-516TN are UL Listed and CSA certified. CL1/0-14TN UL Listed for grounding and CSA certified. 90° C rated. Suitable for copper conductors only.



Catalog Number	Wire Range Copper	H	W	L	T	K Dia.	Hex Size
CL1/0-14TN	#14 [2.5 mm ²] - 1/0 [50 mm ²] AWG	1.17	0.60	1.50	0.22	0.27	7/16-20 (Slotted)
CL3/0-516TN	#6 [16 mm ²] - 3/0 [70 mm ²] AWG	1.56	0.80	2.00	0.30	0.33	9/16-18 (0.25 Hex)
CL250-516TN	#6 [16 mm ²] AWG - 250 [120 mm ²] kcmil	1.79	0.80	2.20	0.30	0.33	9/16-18 (0.25 Hex)

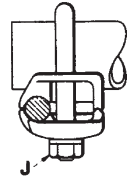
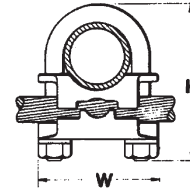
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE GAR

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 DURUM™ U-bolts, nuts and lockwashers, permit entire connection to be buried in ground or concrete without danger of corrosion.

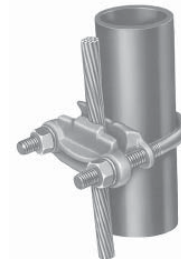


Features & Benefits

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe
- One-wrench installation
- UL 467 Listed
- Acceptable for direct burial



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	Cable Range			
GAR114C	1/4 [6.4]	1/2 [12.7]	—	8 Sol. [10 mm²] - 4 Str. [25 mm²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [108]
GAR1126	1/4 [6.4]	1/2 [12.7]	—	4 Sol. [25 mm²] - 2/0 Str. [70 mm²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [108]
GAR1129	1/4 [6.4]	1/2 [12.7]	—	2/0 Sol. [70 mm²] - 250 [120 mm²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [108]
GAR644C	3/8 [9.5]	5/8-3/4 [15.9-19.1]	#5 (5/8") - #6 (3/4")	8 Sol. [10 mm²] - 4 Str. [25 mm²]	2-7/8 [73]	3/8 [9.5]	2-1/8 [54]
GAR6426	3/8 [9.5]	5/8-3/4 [15.9-19.1]	#5 (5/8") - #6 (3/4")	4 Sol. [25 mm²] - 2/0 Str. [70 mm²]	2-7/8 [73]	3/8 [9.5]	2-1/8 [54]
GAR6429	3/8 [9.5]	5/8-3/4 [15.9-19.1]	#5 (5/8") - #6 (3/4")	2/0 Sol. [70 mm²] - 250 [120 mm²]	2-7/8 [73]	3/8 [9.5]	2-1/8 [54]
GAR6434	3/8 [9.5]	5/8-3/4 [15.9-19.1]	#5 (5/8") - #6 (3/4")	300 [150 mm²]-500 [240 mm²]	3-1/2 [88.9]	1/2 [12.7]	2-1/2 [63.5]
GAR144C	1/2-3/4 [12.7-19.1]	7/8-1 [22.2-25.4]	#7 (7/8") - #8 (1")	8 Sol. [10 mm²] - 4 Str. [25 mm²]	2-3/4 [69.9]	3/8 [9.5]	2-3/8 [60.3]
GAR1426	1/2-3/4 [12.7-19.1]	7/8-1 [22.2-25.4]	#7 (7/8") - #8 (1")	4 Sol. [25 mm²] - 2/0 Str. [70 mm²]	3 [76.2]	3/8 [9.5]	2-3/8 [60.3]
GAR1429	1/2-3/4 [12.7-19.1]	7/8-1 [22.2-25.4]	#7 (7/8") - #8 (1")	2/0 Sol. [70 mm²] - 250 [120 mm²]	3 [76.2]	3/8 [9.5]	2-3/8 [60.3]
GAR1434	1/2-3/4 [12.7-19.1]	7/8-1 [22.2-25.4]	#7 (7/8") - #8 (1")	300 [150 mm²]-500 [240 mm²]	3-3/4 [95.2]	1/2 [12.7]	2-3/4 [69.8]
GAR154C	1 [25.4]	1-1/8-1-1/4 [29- 32]	#9 (1/8") - #10 (1-1/4")	8 Sol. [10 mm²] - 4 Str. [25 mm²]	2-7/8 [73]	3/8 [9.5]	2-5/8 [66.7]
GAR1526	1 [25.4]	1-1/8-1-1/4 [29- 32]	#9 (1/8") - #10 (1-1/4")	4 Sol. [25 mm²] - 2/0 Str. [70 mm²]	2-7/8 [73]	3/8 [9.5]	2-5/8 [66.7]
GAR1529	1 [25.4]	1-1/8-1-1/4 [29- 32]	#9 (1/8") - #10 (1-1/4")	2/0 Sol. [70 mm²] - 250 [120 mm²]	3-3/8 [85.7]	3/8 [9.5]	2-5/8 [66.7]
GAR1534	1 [25.4]	1-1/8-1-1/4 [29- 32]	#9 (1/8") - #10 (1-1/4")	300 [150 mm²]-500 [240 mm²]	4-1/2 [114]	1/2 [12.7]	2-5/8 [66.7]
GAR164C	1-1/4 [32]	1-3/8-1-1/2 [35 - 38.1]	#11 (1-3/8")	8 Sol. [10 mm²] - 4 Str. [25 mm²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GAR1626	1-1/4 [32]	1-3/8-1-1/2 [35 - 38.1]	#11 (1-3/8")	4 Sol. [25 mm²] - 2/0 Str. [70 mm²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GAR1629	1-1/4 [32]	1-3/8-1-1/2 [35 - 38.1]	#11 (1-3/8")	2/0 Sol. [70 mm²] - 250 [120 mm²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GAR1634	1-1/4 [32]	1-3/8-1-1/2 [35 - 38.1]	#11 (1-3/8")	300 [150 mm²]-500 [240 mm²]	4-1/4 [108]	1/2 [12.7]	3-3/8 [85.7]

TYPE GAR (Continued)


Catalog Number	Conductor			H	J	W
	Tube I.P.S.	Rod Size or O.D. Range	Cable Range			
GAR174C	1-1/2 [38.1]	1-5/8-1-7/8 [41.3- 47.8]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	4 [102]	3/8 [9.5]	3-1/4 [82.5]
GAR1726	1-1/2 [38.1]	1-5/8-1-7/8 [41.3- 47.8]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	4 [102]	3/8 [9.5]	3-1/4 [82.5]
GAR1729	1-1/2 [38.1]	1-5/8-1-7/8 [41.3- 47.8]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	4 [102]	3/8 [9.5]	3-1/4 [82.5]
GAR1734	1-1/2 [38.1]	1-5/8-1-7/8 [41.3- 47.8]	300 [150 mm ²]-500 [240 mm ²]	4-5/8 [117]	1/2	2-5/8 [66.7]
GAR184C	2 [50.8]	2-2-3/8 [50.8-60.3]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	4-1/4 [108]	3/8 [9.5]	3-3/4 [95.2]
GAR1826	2 [50.8]	2-2-3/8 [50.8-60.3]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	4-1/4 [108]	3/8 [9.5]	3-3/4 [95.2]
GAR1829	2 [50.8]	2-2-3/8 [50.8-60.3]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	4-1/2 [114]	3/8 [9.5]	3-3/4 [95.2]
GAR1834	2 [50.8]	2-2-3/8 [50.8-60.3]	300 [150 mm ²]-500 [240 mm ²]	5-1/4 [133]	1/2 [12.7]	4-1/8 [105]
GAR194C	2-1/2 [63.5]	2-1/2 - 2-7/8 [63.5-73]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GAR1926	2-1/2 [63.5]	2-1/2 - 2-7/8 [63.5-73]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GAR1929	2-1/2 [63.5]	2-1/2 - 2-7/8 [63.5-73]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GAR1934	2-1/2 [63.5]	2-1/2 - 2-7/8 [63.5-73]	300 [150 mm ²]-500 [240 mm ²]	5-5/8 [143]	1/2 [12.7]	4-5/8 [117]
GAR204C	3 [76.2]	3 - 3-1/2 [76.2-88.9]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	5-5/8 [143]	3/8 [9.5]	4-3/4 [121]
GAR2026	3 [76.2]	3 - 3-1/2 [76.2-88.9]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	5-5/8 [143]	3/8 [9.5]	4-3/4 [121]
GAR2029	3 [76.2]	3 - 3-1/2 [76.2-88.9]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	5-5/8 [143]	3/8 [9.5]	4-3/4 [121]
GAR2034	3 [76.2]	3 - 3-1/2 [76.2-88.9]	300 [150 mm ²]-500 [240 mm ²]	6-3/8 [162]	1/2 [12.7]	5-1/4 [133]
GAR214C	3-1/2 [88.9]	3-1/2 - 4 [88.9-102]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	6-1/4 [6.25]	3/8 [9.5]	5-3/8 [137]
GAR2126	3-1/2 [88.9]	3-1/2 - 4 [88.9-102]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	6-1/4 [6.25]	3/8 [9.5]	5-3/8 [137]
GAR2129	3-1/2 [88.9]	3-1/2 - 4 [88.9-102]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	6-1/4 [6.25]	3/8 [9.5]	5-3/8 [137]
GAR2134	3-1/2 [88.9]	3-1/2 - 4 [88.9-102]	300 [150 mm ²]-500 [240 mm ²]	6-3/4 [171]	1/2 [12.7]	5-3/4 [137]
GAR224C	4 [102]	4 - 4-1/2 [102-114]	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	6-3/8 [162]	3/8 [9.5]	5-7/8 [137]
GAR2226	4 [102]	4 - 4-1/2 [102-114]	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	6-3/8 [162]	3/8 [9.5]	5-7/8 [137]
GAR2229	4 [102]	4 - 4-1/2 [102-114]	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	6-3/8 [162]	3/8 [9.5]	5-7/8 [137]
GAR2234	4 [102]	4 - 4-1/2 [102-114]	300 [150 mm ²]-500 [240 mm ²]	6-7/8 [175]	1/2 [12.7]	6-1/4 [137]
GAR244C	5 [127]	—	8 Sol. [10 mm ²] - 4 Str. [25 mm ²]	7-3/4 [197]	3/8 [9.5]	6-7/8 [137]
GAR2426	5 [127]	—	4 Sol. [25 mm ²] - 2/0 Str. [70 mm ²]	7-3/4 [197]	3/8 [9.5]	6-7/8 [137]
GAR2429	5 [127]	—	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	7-3/4 [197]	3/8 [9.5]	7-1/4 [184]
GAR2434	5 [127]	—	300 [150 mm ²]-500 [240 mm ²]	8-5/8 [219]	1/2 [12.7]	7-1/4 [184]
GAR8629	6 [152]	—	2/0 Sol. [70 mm ²] - 250 [120 mm ²]	8-13/16 [224]	1/2 [12.7]	8-3/8 [213]

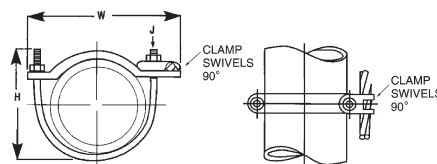
NOTE:

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 & 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
- DURIUM™ 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 ^①	Cable Range	IPS Size	O.D. Range	H	J	W	Recommended Tightening Torque
GAR3902-BU	4 [25 mm ²] - 4/0 [95mm ²]	1/2 [12.7] - 1 [25.4]	0.84 [21.3] - 1.32 [33.5]	3.5 [88.9]	3/8" - 16	3.25 [82.6]	240 in. - lbs.
GAR3903-BU	4 [25 mm ²] - 4/0 [95mm ²]	1 1/4 [31.7] - 2 [50.8]	1.66 [42.2] - 2.38 [60.5]	4 [101.6]	3/8" - 16	4.25 [108]	240 in. - lbs.
GAR3904-BU	4 [25 mm ²] - 4/0 [95mm ²]	2 1/2 [63.5] - 3 1/2 [88.9]	2.88 [73.2] - 4 [101.6]	6.5 [165.1]	3/8" - 16	6 [152.4]	240 in. - lbs.
GAR3905-BU	4 [25 mm ²] - 4/0 [95mm ²]	4 [101.6] - 5 [127]	4.5 [114.3] - 5.56 [141.2]	7.5 [190.5]	3/8" - 16	7.5 [190.5]	240 in. - lbs.
GAR3906-BU	4 [25 mm ²] - 4/0 [95mm ²]	6 [152.4]	6.62 [168.1]	8.5 [215.9]	3/8" - 16	8.62 [218.9]	240 in. - lbs.
GAR3907-BU	4 [25 mm ²] - 4/0 [95mm ²]	8 [203.2]	8.62 [218.9]	10 [254]	3/8" - 16	10.62 [269.7]	240 in. - lbs.
GAR3908-BU	4 [25 mm ²] - 4/0 [95mm ²]	10 [254]	10.75 [273.1]	12 [304.8]	3/8" - 16	12.75 [323.9]	240 in. - lbs.
GAR3909-BU	4 [25 mm ²] - 4/0 [95mm ²]	12 [304.8]	12.75 [323.9]	14 [355.6]	3/8" - 16	14.75 [374.7]	240 in. - lbs.
GAR3902	4 [25 mm ²] - 4/0 [95mm ²]	1/2 [12.7] - 1 [25.4]	0.84 [21.3] - 1.32 [33.5]	3.5 [88.9]	3/8" - 16	3.25 [82.6]	240 in. - lbs.
GAR3903	4 [25 mm ²] - 4/0 [95mm ²]	1 1/4 [31.7] - 2 [50.8]	1.66 [42.2] - 2.38 [60.5]	4 [101.6]	3/8" - 16	4.25 [108]	240 in. - lbs.
GAR3904	4 [25 mm ²] - 4/0 [95mm ²]	2 1/2 [63.5] - 3 1/2 [88.9]	2.88 [73.2] - 4 [101.6]	6.5 [165.1]	3/8" - 16	6 [152.4]	240 in. - lbs.
GAR3905	4 [25 mm ²] - 4/0 [95mm ²]	4 [101.6] - 5 [127]	4.5 [114.3] - 5.56 [141.2]	7.5 [190.5]	3/8" - 16	7.5 [190.5]	240 in. - lbs.
GAR3906	4 [25 mm ²] - 4/0 [95mm ²]	6 [152.4]	6.62 [168.1]	8.5 [215.9]	3/8" - 16	8.62 [218.9]	240 in. - lbs.
GAR3907	4 [25 mm ²] - 4/0 [95mm ²]	8 [203.2]	8.62 [218.9]	10 [254]	3/8" - 16	10.62 [269.7]	240 in. - lbs.
GAR3908	4 [25 mm ²] - 4/0 [95mm ²]	10 [254]	10.75 [273.1]	12 [304.8]	3/8" - 16	12.75 [323.9]	240 in. - lbs.
GAR3909	4 [25 mm ²] - 4/0 [95mm ²]	12 [304.8]	12.75 [323.9]	14 [355.6]	3/8" - 16	14.75 [374.7]	240 in. - lbs.

① Type GAR-BU is supplied with DURIUM™ silicon bronze hardware and is Listed for Direct Burial

TYPE GAR-RB

For Reinforcement Bar



Catalog Number	Rebar	I.P.S.	O.D. Range	Rod Size	Copper Conductor	
					Min.	Max.
GAR644C-RB	#3 - 6 (.375 - .750)	3/8 [9.5]	.625 [15.875] - .75 [19.1]	5/8-3/4	8 Sol. [10 mm ²]	4 Str. [25 mm ²]

NOTE:

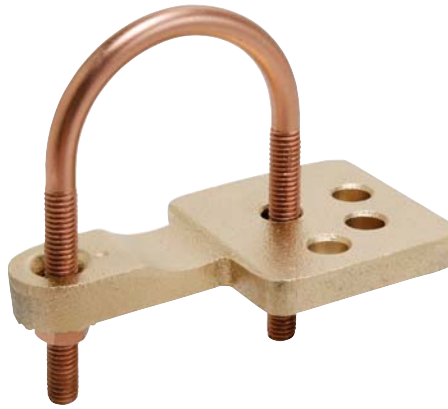
UL 467 Listed for Direct Burial in earth or concrete

Equivalent Metric Size given in []; Metric sizes provided for reference only.

TYPE GAR-TC

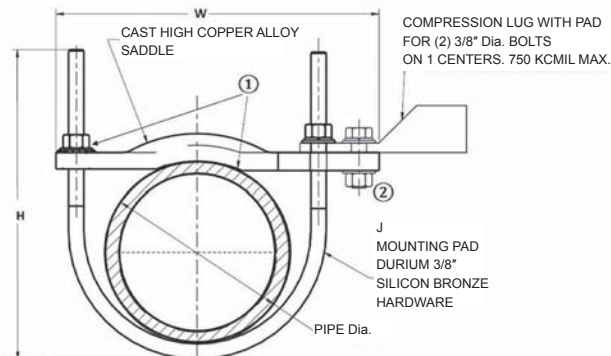
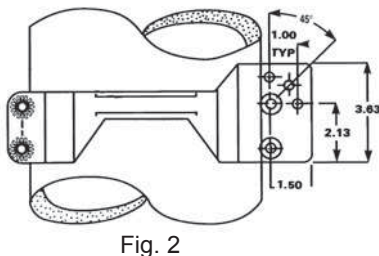
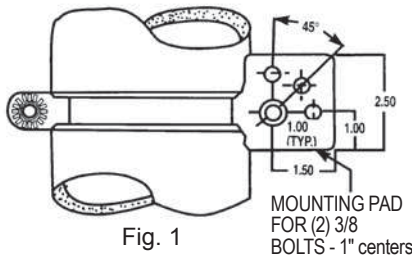
Water Pipe Ground Connector

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 & 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
- DURIUM™ 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	Figure #	Accommodates		H	J	W	Recommended Torque
		I.P.S.	O.D. Size				
GAR3902TC	1	1/2 [12.7] - 1 [25.4]	.840 [21.3] - 1.32 [33.5]	3.50 [88.9]	3/8 [9.5]	3.75 [95.3]	240
GAR3903TC	1	1 1/4 [31.8] - 2 [50.8]	1.66 [42.1] - 2.38 [60.45]	4 [101.6]	3/8 [9.5]	4.75 [120.7]	240
GAR3904TC	1	2 1/2 [63.5] - 3 1/2 [88.9]	2.88 [73.1] - 4.00 [101.6]	6.5 [165.1]	3/8 [9.5]	6.5 [165.1]	240
GAR3905TC	1	4 [101.6] - 5 [127]	4.50 [114.3] - 5.56 [141.2]	7.5 [190.5]	3/8 [9.5]	8 [203.2]	240
GAR3906TC	1	6 [152.4]	6.62 [168.2]	8.5 [215.9]	3/8 [9.5]	9.12 [231.6]	240
GAR3907TC	2	8 [203.20]	8.62 [218.9]	10 [254]	3/8 [9.5]	11.25 [285.8]	240
GAR3908TC	2	10 [254]	10.75 [273.1]	12 [304.8]	3/8 [9.5]	13.25 [336.6]	240
GAR3909TC	2	12 [304.80]	12.75 [323.8]	14 [355.6]	3/8 [9.5]	15.25 [387.4]	240

NOTES:

Add suffix "-TNET" for electro-tin plated connector and electro-tin plated DURIUM™ silicon bronze hardware. Tin plated catalog number includes mounting hardware for second bolt hole.

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 saddle

TMH-289 includes (1) 38X125HEB bolt, (1) 38CHEN nut, (1) 38SW split washer and (2) 38FW flat washers, ordered separately.

Equivalent Metric Size given in []; Metric sizes provided for reference only.

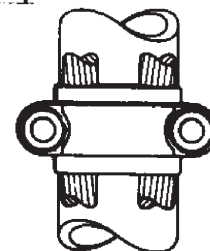
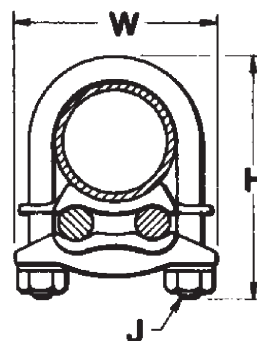
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 DURUM™ 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 [25.4]	1-1/8 [28.5] - 1-1/4 [31.7]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	3-3/8 [85.7]	3/8 [9.5]	2-5/8 [66.7]
GD1529	1 [25.4]	1-1/8 [28.5] - 1-1/4 [31.7]	2/0 Sol. [70mm ²] - 250 [120mm ²]	3-3/8 [85.7]	3/8 [9.5]	2-5/8 [66.7]
GD1626	1-1/4 [31.8]	1-3/8 [1.375] - 1-1/2 [38.1]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GD1629	1-1/4 [31.8]	1-3/8 [1.375] - 1-1/2 [38.1]	2/0 Sol. [70mm ²] - 250 [120mm ²]	3-1/2 [88.9]	3/8 [9.5]	3-1/4 [82.55]
GD174C	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	4 [101.6]	3/8 [9.5]	3-1/4 [82.55]
GD1726	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4 [101.6]	3/8 [9.5]	3-1/4 [82.55]
GD1729	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	2/0 Sol. [70mm ²] - 250 [120mm ²]	4 [101.6]	3/8 [9.5]	3-1/4 [82.55]
GD1734	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	300 [150mm ²] - 500 [240mm ²]	4-5/8 [117.5]	1/2 [12.7]	3-5/8 [92.1]
GD184C	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	4-3/8 [111.1]	3/8 [9.5]	3-3/4 [95.2]
GD1826	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4-3/8 [111.1]	3/8 [9.5]	3-3/4 [95.2]
GD1829	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	2/0 Sol. [70mm ²] - 250 [120mm ²]	4-3/8 [111.1]	3/8 [9.5]	3-3/4 [95.2]
GD1834	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	300 [150mm ²] - 500 [240mm ²]	5-3/8 [136.5]	1/2 [12.7]	4-1/8 [104.7]
GD194C	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GD1926	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GD1929	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	2/0 Sol. [70mm ²] - 250 [120mm ²]	5 [127]	3/8 [9.5]	4-1/4 [108]
GD1934	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	300 [150mm ²] - 500 [240mm ²]	5 [127]	1/2 [12.7]	4-5/8 [117.4]
GD204C	3 [76.2]	3 [76.2] - 3-1/2 [88.9]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	5-5/8 [142.9]	3/8 [9.5]	4-7/8 [123.9]
GD2026	3 [76.2]	3 [76.2] - 3-1/2 [88.9]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	5-5/8 [142.9]	3/8 [9.5]	4-7/8 [123.9]
GD2029	3 [76.2]	3 [76.2] - 3-1/2 [88.9]	2/0 Sol. [70mm ²] - 250 [120mm ²]	5-5/8 [142.9]	3/8 [9.5]	4-7/8 [123.9]
GD2034	3 [76.2]	3 [76.2] - 3-1/2 [88.9]	300 [150mm ²] - 500 [240mm ²]	6-3/8 [161.9]	1/2 [12.7]	5-1/4 [133.4]
GD214C	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.60]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	6-1/4 [158.8]	3/8 [9.5]	5-3/8 [136.5]
GD2126	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.60]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	6-1/4 [158.8]	3/8 [9.5]	5-3/8 [136.5]
GD2129	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.60]	2/0 Sol. [70mm ²] - 250 [120mm ²]	6-1/4 [158.8]	3/8 [9.5]	5-3/8 [136.5]
GD2134	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.60]	300 [150mm ²] - 500 [240mm ²]	6-7/8 [174.6]	1/2 [12.7]	5-3/4 [146]
GD224C	4 [101.6]	4 [101.60] - 4-1/2 [114.3]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	6-3/8 [161.9]	3/8 [9.5]	5-7/8 [149.2]
GD2226	4 [101.6]	4 [101.60] - 4-1/2 [114.3]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	6-3/8 [161.9]	3/8 [9.5]	5-7/8 [149.2]
GD2229	4 [101.6]	4 [101.60] - 4-1/2 [114.3]	2/0 Sol. [70mm ²] - 250 [120mm ²]	6-3/8 [161.9]	3/8 [9.5]	5-7/8 [149.2]
GD2234	4 [101.6]	4 [101.60] - 4-1/2 [114.3]	300 [150mm ²] - 500 [240mm ²]	6-7/8 [174.6]	1/2 [12.7]	6-1/4 [158.8]

NOTE:
Complies with NFPA 78-86 HEAVY DUTY stacks; use suffix "-LD" for lead plating for HEAVY DUTY stack applications

Equivalent Metric Size given in []; Metric sizes provided for reference only.

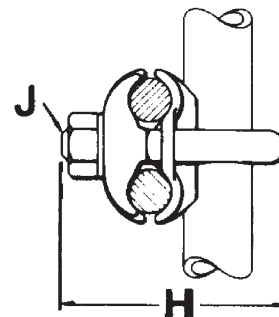
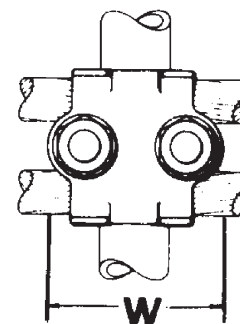
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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.	O.D. Size	Cable			
GP114C	1/4 [6.4]	1/2 [12.7]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [47.6]
GP1126	1/4 [6.4]	1/2 [12.7]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [47.6]
GP1129	1/4 [6.4]	1/2 [12.7]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-1/2 [63.5]	3/8 [9.5]	1-7/8 [47.6]
GP644C	3/8 [9.5]	5/8 [15.9] - 3/4 [19.1]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-1/2 [63.5]	3/8 [9.5]	2-1/8 [53.9]
GP6426	3/8 [9.5]	5/8 [15.9] - 3/4 [19.1]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-1/2 [63.5]	3/8 [9.5]	2-1/8 [53.9]
GP6429	3/8 [9.5]	5/8 [15.9] - 3/4 [19.1]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-7/8 [73]	3/8 [9.5]	2-1/8 [53.9]
GP6434	3/8 [9.5]	5/8 [15.9] - 3/4 [19.1]	300 [150mm ²] - 500 [240mm ²]	3-1/2 [88.9]	1/2 [12.7]	2-5/9 [64.9]
GP144C	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-3/4 [69.9]	3/8 [9.5]	2-3/8 [60.3]
GP1426	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	3 [76.2]	3/8 [9.5]	2-3/8 [60.3]
GP1429	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	3/0 Sol. [70mm ²] - 250 [120mm ²]	3 [76.2]	3/8 [9.5]	2-3/8 [60.3]
GP1434	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	300 [150mm ²] - 500 [240mm ²]	3-3/4 [95.2]	1/2 [12.7]	2-5/9 [64.9]
GP164C	1-1/4 [31.7]	1-5/8 [41.3]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GP1629	1-1/4 [31.7]	1-5/8 [41.3]	2/0 Sol. [70mm ²] - 250 [120mm ²]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GP1726	1-1/2 [38.1]	1-7/8 [47.6]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4 [101.6]	3/8 [9.5]	3-1/4 [82.5]
GP184C	2 [50.8]	2-3/8 [60.3]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	4-1/8 [104.7]	3/8 [9.5]	3-11/16 [93.6]
GP1826	2 [50.8]	2-3/8 [60.3]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4-3/8 [111.1]	3/8 [9.5]	3-11/16 [93.6]
GP2026	3 [76.2]	3-1/2 [88.9]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	5-1/2 [139.7]	3/8 [9.5]	4-13/16 [122.2]
GP2226	4 [101.6]	4-1/2 [114.3]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	6-3/8 [161.9]	3/8 [9.5]	5-13/16 [147.6]

Equivalent Metric Size given in []; Metric sizes provided for reference only.

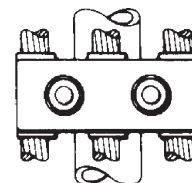
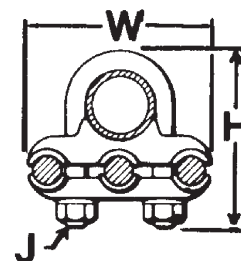
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 DURUM™ 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.	O.D. Size	Cable			
GK114C	1/4 [6.4]	1/2 [12.7]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-1/2 [63.5]	3/8 [9.5]	2-1/2 [63.5]
GK1126	1/4 [6.4]	1/2 [12.7]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-1/2 [63.5]	3/8 [9.5]	2-3/4 [69.9]
GK1129	1/4 [6.4]	1/2 [12.7]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-1/2 [63.5]	1/2 [12.7]	3-3/8 [85.7]
GK644C	3/8 [9.5]	5/8 [15.8] - 3/4 [19.1]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-7/8 [73]	3/8 [9.5]	2-5/8 [66.7]
GK6426	3/8 [9.5]	5/8 [15.8] - 3/4 [19.1]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-7/8 [73]	3/8 [9.5]	3 [76.2]
GK6429	3/8 [9.5]	5/8 [15.8] - 3/4 [19.1]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-7/8 [73]	1/2 [12.7]	3-1/2 [88.9]
GK6434	3/8 [9.5]	5/8 [15.8] - 3/4 [19.1]	300 [150mm ²] - 500 [240mm ²]	3-1/2 [88.9]	1/2 [12.7]	4 [101.6]
GK1426	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-3/4 [69.9]	3/8 [9.5]	3-1/4 [82.5]
GK1429	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	2/0 Sol. [70mm ²] - 250 [120mm ²]	3-3/4 [95.2]	1/2 [12.7]	3-7/8 [98.5]
GK1434	1/2 [12.7] - 3/4 [19.1]	7/8 [22.2] - 1 [25.4]	300 [150mm ²] - 500 [240mm ²]	33-3/4 [95.2]	1/2 [12.7]	4-3/8 [111.1]
GK1526	1 [25.4]	1-1/8 [28.5] - 1-1/4 [31.7]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	3-3/8 [85.7]	3/8 [9.5]	3-1/2 [88.9]
GK1529	1 [25.4]	1-1/8 [28.5] - 1-1/4 [31.7]	2/0 Sol. [70mm ²] - 250 [120mm ²]	3-3/4 [95.2]	1/2 [12.7]	4-1/8 [104.7]
GK1626	1-1/4 [31.8]	1-3/8 [34.9] - 1-1/2 [38.1]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	3-1/2 [88.9]	3/8 [9.5]	3-7/8 [98.5]
GK1629	1-1/4 [31.8]	1-3/8 [34.9] - 1-1/2 [38.1]	2/0 Sol. [70mm ²] - 250 [120mm ²]	4-1/4 [108]	1/2 [12.7]	4-1/2 [114.3]
GK1726	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4 [101.6]	3/8 [9.5]	4-1/8 [104.7]
GK1729	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.6]	2/0 Sol. [70mm ²] - 250 [120mm ²]	4-5/8 [117.5]	1/2 [12.7]	4-3/4 [120.7]
GK1826	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4-1/4 [108]	3/8 [9.5]	4-5/8 [117.5]
GK1829	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	2/0 Sol. [70mm ²] - 250 [120mm ²]	4-3/8 [111.1]	1/2 [12.7]	5-1/8 [130.2]
GK1926	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	5 [127]	3/8 [9.5]	5-1/8 [130.2]
GK1929	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	2/0 Sol. [70mm ²] - 250 [120mm ²]	5 [127]	1/2 [12.7]	5-5/8 [142.9]

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 in [53]	3.19 [81]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-22JPT	1-1/4 - 2 [32 - 51]	10 - 6 Sol.	1/2 [13]	2.70 in [69]	3.83 [97]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-4JPT	2-1/2 - 4 [64 - 102]	10 - 6 Sol.	1/2 [13]	4.39 in [112]	5.15 [131]	2.70 in [69]	50 in.-lb.	50 in.-lb.

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 [5mm ²] - 2 [37mm ²] Str.	1.81 in [46]	2.25 [56]	.63 in [16]	.63 in [16]	50 in.-lb.	50 in.-lb.
C-11D	1/2 - 1 [13 - 25]	#4 - #8	10 [5mm ²] - 2 [37mm ²] Str.	1.81 in [46]	2.25 [56]	.63 in [16]	.63 in [16]	50 in.-lb.	50 in.-lb.
C-11B	1/2 - 1 [13 - 25]	—	10 [5mm ²] - 2 [37mm ²] Str.	1.81 in [46]	2.25 [56]	.63 in [16]	.63 in [16]	50 in.-lb.	50 in.-lb.
C-22	1-1/4 - 2 [32 - 51]	—	10 [5mm ²] - 2 [37mm ²] Str.	2.38 in [60]	3.63 [92]	.75 in [19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-22D	1-1/4 - 2 [32 - 51]	—	10 [5mm ²] - 2 [37mm ²] Str.	2.38 in [60]	3.63 [92]	.75 in [19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-4	2-1/2 - 4 [64 - 114]	—	10 [5mm ²] - 2 [37mm ²] Str.	4.13 in [105]	6.25 [159]	.96 in [24]	1.88 in [48]	50 in.-lb.	50 in.-lb.
C-8	4-1/2 - 6 [114 - 165]	—	10 [5mm ²] - 2 [37mm ²] Str.	4.29 in [109]	8.34 [212]	1.25 in [32]	1.88 in [48]	50 in.-lb.	50 in.-lb.

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	Ground	H	L	W	Pipe Clamp	Wire Clamp
C-5	1/2 - 1 [13 - 25]	10 [5mm ²] - 2 [37mm ²] Str.	1.56 in [40]	2.25 [56]	.56 in [14]	50 in.-lb.	50 in.-lb.



Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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.



C11K16D



C11K17D



Catalog Number	Fig. #	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
		Main		Tap					
		Water Pipe	Rebar	Ground Rod	Ground	H	L	W	
C11K16D	1	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 [6mm²] - #2 [35mm²] Str.	1.64 [41.6]	2.28 [57.9]	.66 [16.7]	50 in.-lbs.
C11K17D	2	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 [6mm²] - #2 [35mm²] Str.	1.64 [41.6]	2.28 [57.9]	.66 [16.7]	50 in.-lbs.

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 [6mm ²] - #2 [35mm 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 Torque	
	Water Pipe	Armored Conductor	H	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13-25]	10 [6mm ²] - 6 [16mm ²]	1.38" [35]	3.05" [77]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-22JA	1-1/4 - 2 [32-51]	10 [6mm ²] - 6 [16mm ²]	2.60" [66]	3.69" [94]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-4JA	2-1/2 - 4 [64-102]	10 [6mm ²] - 6 [16mm ²]	4.29" [109]	5.01" [128]	1.41" [36]	50 in.-lb.	50 in.-lb.

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.



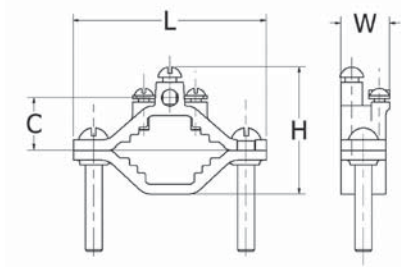
Catalog Number	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
	Main			Tap				
	Water Pipe	Rebar	Ground Rod	Ground	H	L	W	
C11HD4/0DB	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#8 [10mm²] - 4/0 AWG [120mm²]	2.25 [57.15]	2.65 [67.3]	1.56 [39.6]	50 in.-lbs.
C22HD4/0DB	1-1/4" - 2" [32-51]	—	—	#8 [10mm²] - 4/0 AWG [120mm²]	2.70 [68.5]	3.60 [91.4]	1.56 [39.6]	50 in.-lbs.

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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" [41]	2.34" [59]	1.06" [27]	.63" [16]	50 in.-lb.	50 in.-lb.
C-6D	1/2 - 1 [13-25]	10 - 2 Str.		1.60" [41]	2.34" [59]	1.06" [27]	.63" [16]	50 in.-lb.	50 in.-lb.
C-7	1-1/4 - 2 [32-51]	10 - 2 Str.		2.38" [60]	3.62" [92]	.94" [24]	1.00" [25]	50 in.-lb.	50 in.-lb.

CAST BRONZE CLAMP FOR RIGID CONDUIT

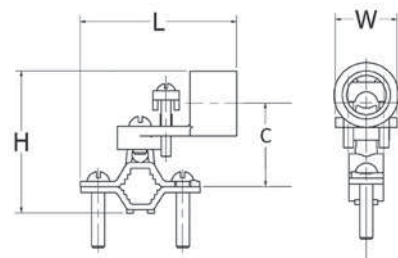
For grounding rigid conduit systems. Zinc plated screws.



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. [16 mm²]	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]	#6 Sol. Max. [16 mm²]	1/2 [13]	2.69" [68]	3.62" [92]	1.34" [34]	1.40" [36]	50 in.-lb.	50 in.-lb.

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 mm ²] - 6 Sol. [16 mm ²]	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]	10 Str. [6 mm ²] - 6 Sol. [16 mm ²]	1/2 [13]	2.88" [73]	3.50" [89]	.69" [18]	1.34" [34]	50 in.-lb.	50 in.-lb.
C-4LH-1	2-1/2 - 4 [54-102]	10 Str. [6 mm ²] - 6 Sol. [16 mm ²]	1/2 [13]	4.56" [116]	4.82" [122]	.69" [18]	2.44" [62]	50 in.-lb.	50 in.-lb.
C-11LH-2	1/2 - 1 [13-25]	2/0 [70 mm ²] - 10 Str. [6 mm ²]	3/4 [19]	2.56" [65]	2.86" [73]	1.00" [25]	1.13" [29]	50 in.-lb.	50 in.-lb.
C-22LH-2	1-1/4 - 2 [32-51]	2/0 [70 mm ²] - 10 Str. [6 mm ²]	3/4 [19]	3.19" [81]	3.50" [89]	1.00" [25]	1.50" [38]	50 in.-lb.	50 in.-lb.
C-4LH-2	2-1/2 - 4 [54-102]	2/0 [70 mm ²] - 10 Str. [6 mm ²]	3/4 [19]	4.88" [124]	4.82" [122]	1.00" [25]	2.38" [60]	50 in.-lb.	50 in.-lb.
C-11LH-3	1/2 - 1 [13-25]	3/0 [70 mm ²] - 10 Str. [6 mm ²]	1 [25]	2.69" [68]	2.86" [73]	1.13" [29]	1.19" [30]	50 in.-lb.	50 in.-lb.
C-22LH-3	1-1/4 - 2 [32-51]	3/0 [70 mm ²] - 10 Str. [6 mm ²]	1 [25]	3.32" [84]	3.50" [89]	1.13" [29]	1.56" [40]	50 in.-lb.	50 in.-lb.
C-4LH-3	2-1/2 - 4 [54-102]	3/0 [70 mm ²] - 10 Str. [6 mm ²]	1 [25]	5.01" [127]	4.82" [122]	1.13" [29]	2.44" [62]	50 in.-lb.	50 in.-lb.

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	1	1/2 - 1 [13-25]	#6 Sol. Max. [16 mm ²]	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	1	1/2 - 1 [13-25]	4/0 Str. Max. [95 mm ²]	3/4 [19]	1.75" [44]	8.50" [216]	1.25" [32]	1.50" [38]	6.12" [155]	50 in.-lb.	50 in.-lb.
C-11CSH-3	1	1/2 - 1 [13-25]	4/0 Str. Max. [95 mm ²]	1 [25]	1.75" [44]	8.50" [216]	1.50" [38]	1.75" [44]	6.12" [155]	50 in.-lb.	50 in.-lb.
C11CSLH12	2	1/2 - 1 [13-25]	#10 [6 mm ²] - 2/0 AWG [70 mm ²]	1/2 [13]	1.75" [44]	8.50" [216]	1.18"	1.06" [27]	6.12" [155]	50 in.-lb.	45 in.-lb.

Equivalent Metric Size given in []; Metric sizes provided for reference only.

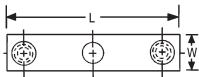
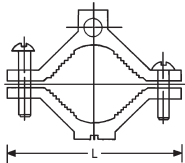
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 & 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

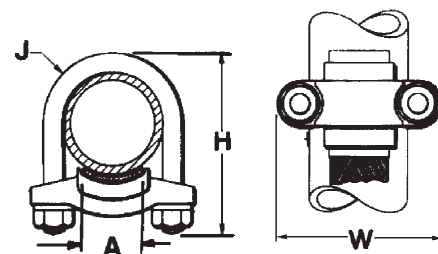
Catalog Number	Conduit, Pipe, or Water Tube Size	Wire Range	Screw Type	W	L	Hex Size
GC15A	1/2 - 3/4 - 1	1/0 [50 mm ²] - 14 [2.5mm ²]	Slotted	11/16	2-1/4	Slot
GC18A	1-1/4 - 1-1/2 - 2	250 kcmil [120mm ²]- 6 [16mm ²]	Hex Socket	13/16	3-3/4	5/16
GC22A	2-1/2 - 3 - 3-1/2 - 4	250 kcmil [120mm ²]- 6 [16mm ²]	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, DURIUM™ 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 [25.4]	1-1/8 [28.5] - 1-1/4 [31.8]	1 [25.4]	3-3/8 [85.7]	3/8 [9.5]	2-5/8 [66.7]
GG16-1	1-1/4 [31.7]	1-3/8 [34.9] - 1-1/2 [38.1]	1 [25.4]	3-1/2 [88.9]	3/8 [9.5]	3 [76.2]
GG17-1	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.625]	1 [25.4]	3-1/2 [88.9]	3/8 [9.5]	3-1/4 [82.5]
GG17-15	1-1/2 [38.1]	1-5/8 [41.2] - 1-7/8 [47.625]	1-1/2 [38.1]	3-1/2 [88.9]	3/8 [9.5]	3-1/4 [82.5]
GG18-1	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	1 [25.4]	4-1/4 [108]	3/8 [9.5]	3-2/3 [93.1]
GG18-15	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	1-1/2 [38.1]	4-1/4 [108]	3/8 [9.5]	3-2/3 [93.1]
GG18-2	2 [50.8]	2 [50.8] - 2-3/8 [60.3]	2 [50.8]	4-3/8 [111.1]	1/2 [12.7]	4 [101.6]
GG19-2	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	2 [50.8]	5 [127]	1/2 [12.7]	4-5/9 [115.7]
GG19-25	2-1/2 [63.5]	2-1/2 [63.5] - 2-7/8 [73]	2-1/2 [63.5]	5 [127]	1/2 [12.7]	4-5/9 [115.7]
GG20-2	3 [76.2]	3 [76.5] - 3-1/2 [88.9]	2 [50.8]	6-3/8 [162]	1/2 [12.7]	5-1/5 [132.1]
GG20-25	3 [76.2]	3 [76.5] - 3-1/2 [88.9]	2-1/2 [63.5]	6-3/8 [162]	1/2 [12.7]	5-1/5 [132.1]
GG20-3	3 [76.2]	3 [76.5] - 3-1/2 [88.9]	3 [76.2]	6-3/8 [162]	1/2 [12.7]	5-1/5 [132.1]
GG21-2	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.6]	2 [50.8]	5-7/8 [149.2]	1/2 [12.7]	5-2/3 [144]
GG21-25	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.6]	2-1/2 [63.5]	5-7/8 [149.2]	1/2 [12.7]	5-2/3 [144]
GG21-3	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.6]	3 [76.2]	5-7/8 [149.2]	1/2 [12.7]	5-2/3 [144]
GG21-35	3-1/2 [88.9]	3-1/2 [88.9] - 4 [101.6]	3-1/2 [88.9]	5-7/8 [149.2]	1/2 [12.7]	5-2/3 [144]
GG22-2	4 [101.6]	4 [101.6] - 4-1/2 [114.3]	2 [50.8]	6-1/2 [165.1]	1/2 [12.7]	6-1/5 [157.5]
GG22-25	4 [101.6]	4 [101.6] - 4-1/2 [114.3]	2-1/2 [63.5]	6-1/2 [165.1]	1/2 [12.7]	6-1/5 [157.5]
GG22-3	4 [101.6]	4 [101.6] - 4-1/2 [114.3]	3 [76.2]	6-1/2 [165.1]	1/2 [12.7]	6-1/5 [157.5]
GG22-4	4 [101.6]	4 [101.6] - 4-1/2 [114.3]	4 [101.6]	6-1/2 [165.1]	1/2 [12.7]	6-1/5 [157.5]
GG24-2	5 [127.0]	—	2 [50.8]	7-5/8 [193.7]	1/2 [12.7]	7-1/4 [184.1]

Equivalent Metric Size given in []; Metric sizes provided for reference only.

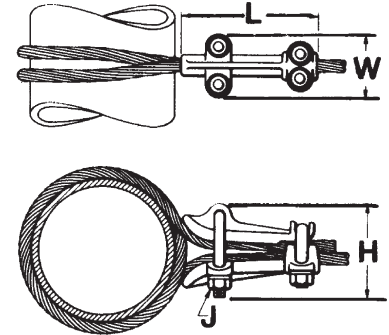
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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.



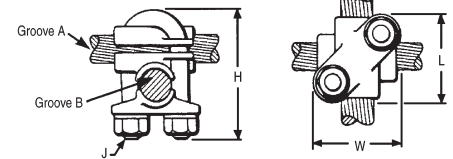
Catalog Number	Conductor		H	J	L	W
	I.P.S.	Cable				
GQ2626	6" Max.	4 Str. [25mm ²] - 2/0 Str. [70mm ²]	4-1/2 [114.3]	1/2 [12.7]	5 [127]	2-1/2 [63.5]
GQ26-1	Above 6"	4 Str. [25mm ²] - 2/0 Str. [70mm ²]	7-1/8 [181]	1/2 [12.7]	5 [127]	2-1/2 [63.5]
GQ2929	6" Max.	2/0 Str. [70mm ²] - 250 [120mm ²]	4-1/8 [104.7]	1/2 [12.7]	6 [152.4]	2-3/4 [69.9]
GQ29-1	Above 6"	2/0 Str. [70mm ²] - 250 [120mm ²]	7-1/2 [190.5]	1/2 [12.7]	6 [152.4]	2-3/4 [69.9]

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.



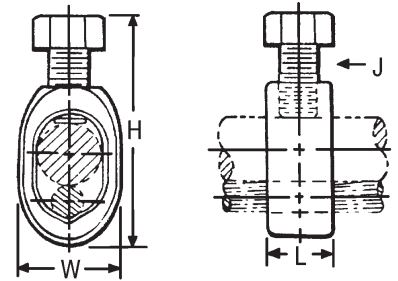
Catalog Number	Conductor		H	J	L	W
	Groove A	Groove B				
GX4C4C	8 Sol. [10mm ²] - 4 Str. [25mm ²]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	1-7/8	3/8	1-5/8	1-5/8
GX264C	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-1/2	3/8	1-3/4	1-2/3
GX2626	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-1/2	3/8	1-3/4	1-2/3
GX294C	2/0 Sol. [70mm ²] - 250 [120mm ²]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-3/4	3/8	1-7/8	1-7/8
GX2926	2/0 Sol. [70mm ²] - 250 [120mm ²]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-1/2	3/8	1-7/8	1-7/8
GX2929	2/0 Sol. [70mm ²] - 250 [120mm ²]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-3/4	3/8	1-7/8	1-7/8
GX344C	300 [150mm ²] - 500 [240mm ²]	8 Sol. [10mm ²] - 4 Str. [25mm ²]	2-3/4	3/8	2-1/8	1-7/8
GX3426	300 [150mm ²] - 500 [240mm ²]	4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	2-3/4	3/8	2-1/8	1-7/8
GX3429	300 [150mm ²] - 500 [240mm ²]	2/0 Sol. [70mm ²] - 250 [120mm ²]	2-3/4	3/8	2-1/8	1-7/8
GX3434	300 [150mm ²] - 500 [240mm ²]	300 [150mm ²] - 500 [240mm ²]	4-1/4	1/2	2-5/8	2-5/8

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.



Catalog Number	Drive Rod	Conductor Range		H	W	L	J
		Min.	Max.				
GRC12	1/2 [12.7]	10 Sol. [6mm ²]	2 Str. [35mm ²]	2 [50.8]	0.89 [22.6]	0.63 [16.0]	3/8 [9.5]
GRC58	5/8 [15.8]	10 Sol. [6mm ²]	1 Str. [35mm ²]	2.19 [55.6]	0.95 [24.1]	0.63 [16.0]	3/8 [9.5]
GRC34	3/4 [19.1]	8 Sol. [10mm ²]	1/0 Str. [50mm ²]	2.47 [62.7]	1.09 [27.7]	0.65 [16.5]	3/8 [9.5]

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 & 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

UL 467 Listed. Acceptable for direct burial.



Catalog Number	Rod Size	Conductor Range	
		Minimum	Maximum
GRL3	3/8 [9.5]	10 AWG [6mm ²]	4 AWG [25mm ²]
GRL4	1/2 [12.7]	10 AWG [6mm ²]	2 AWG [35mm ²]
GRL5	5/8 [15.8]	10 AWG [6mm ²]	2 AWG [35mm ²]
GRL6	3/4 [19.1]	10 AWG [6mm ²]	2 AWG [35mm ²]

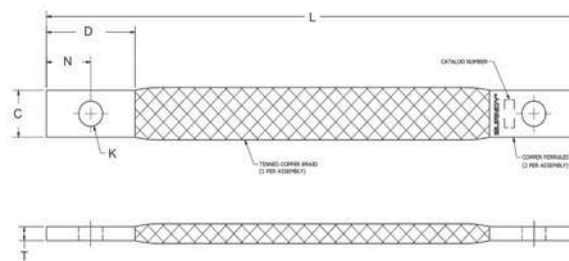
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE B

Flexible Copper Braid Bonding Jumpers Bonding Straps

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. Shown are standard 6 & 9 inch flexible copper braids; other lengths, plating and mounting hole sizes are available; contact BURNDY for more information.



Catalog Number	Number of Braids in Ferrules	AWG Equivalent	C	D	K**	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
BB024L6T14*	1	#6	0.50	1	0.27	6"	0.50	0.15	75	100
BB024L9T14*	1	#6	0.50	1	0.27	9"	0.50	0.15	75	100
BB048L6T14*	1	#4	0.75	1	0.27	6"	0.50	0.13	95	150
BB048L9T14*	1	#4	0.75	1	0.27	9"	0.50	0.13	95	150
BB067L6T14	1	#2	0.83	1	0.27	6"	0.50	0.17	110	180
BB067L9T14	1	#2	0.83	1	0.27	9"	0.50	0.17	110	180
BD6T14	1	#1	0.94	1	0.27	6"	0.50	0.13	190	225
BD9T14	1	#1	0.94	1	0.27	9"	0.50	0.13	190	225

* Not CSA Certified

** K mounting hole .27" accommodates 1/4" hardware.

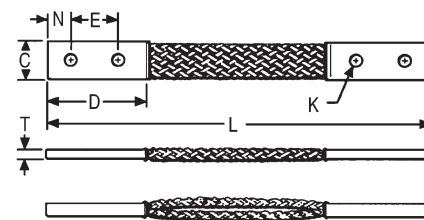
TYPE B

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	0.94 [23.9]	2.5 [63.5]	1.25 [31.8]	0.44 [11.2]	12 [304.8]	0.62 [15.7]	0.13 [3.3]	190	225
BD12N ①	1	0.94 [23.9]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	12 [304.8]	0.62 [15.7]	0.13 [3.3]	190	225
BD18	1	0.94 [23.9]	2.5 [63.5]	1.25 [31.8]	0.44 [11.2]	18 [457.2]	0.62 [15.7]	0.13 [3.3]	190	225
BD18N ①	1	0.94 [23.9]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	18 [457.2]	0.62 [15.7]	0.13 [3.3]	190	225
BD24	1	0.94 [23.9]	2.5 [63.5]	1.25 [31.8]	0.44 [11.2]	24 [609.6]	0.62 [15.7]	0.13 [3.3]	190	225
BD24N ①	1	0.94 [23.9]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	24 [609.6]	0.62 [15.7]	0.13 [3.3]	190	225
BE12	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	12 [304.8]	0.75 [19.1]	0.17 [4.3]	340	405
BE12N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	12 [304.8]	0.62 [15.7]	0.17 [4.3]	340	405
BE18	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	18 [457.2]	0.75 [19.1]	0.17 [4.3]	340	405
BE18N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	18 [457.2]	0.62 [15.7]	0.17 [4.3]	360	430
BE24	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	24 [609.6]	0.75 [19.1]	0.25 [6.4]	360	430
BE24N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	24 [609.6]	0.62 [15.7]	0.17 [4.3]	360	430
BF12	1	1.19 [30.2]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	12 [304.8]	0.75 [19.1]	0.25 [6.4]	360	430
BF12N ①	1	1.19 [30.2]	3 [76.2]	1.75 [44.5]	0.55 [14]	12 [304.8]	0.62 [15.7]	0.25 [6.4]	360	430
BF18	1	1.19 [30.2]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	18 [457.2]	0.75 [19.1]	0.25 [6.4]	360	430
BF18N ①	1	1.19 [30.2]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	18 [457.2]	0.75 [19.1]	0.25 [6.4]	360	430
BF24	1	1.19 [30.2]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	24 [609.6]	0.75 [19.1]	0.25 [6.4]	360	430
BF24N ①	1	1.19 [30.2]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	24 [609.6]	0.62 [15.7]	0.25 [6.4]	360	430
BG12	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	12 [304.8]	0.75 [19.1]	0.25 [6.4]	415	495
BG12N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	12 [304.8]	0.62 [15.7]	0.25 [6.4]	415	495
BG18	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	18 [457.2]	0.75 [19.1]	0.25 [6.4]	415	495
BG18N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	18 [457.2]	0.62 [15.7]	0.25 [6.4]	415	495
BG24	1	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.2]	24 [609.6]	0.75 [19.1]	0.25 [6.4]	415	495
BG24N ①	1	1.5 [38.1]	3 [76.2]	1.75 [44.5]	0.56 [14.2]	24 [609.6]	0.62 [15.7]	0.25 [6.4]	415	495

① Tongue drilled per (2) hole NEMA Standard

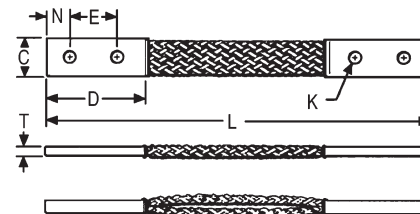
② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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	0.94 [23.876]	2.5 [63.5]	1.25 [31.75]	0.44 [11.176]	12 [304.8]	0.62 [15.748]	0.25 [6.35]	380	455
B2D12N ①	2	0.94 [23.876]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.25 [6.35]	380	455
B2E12	2	1.62 [41.148]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.25 [6.35]	530	635
B2E12N ①	2	1.62 [41.148]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.25 [6.35]	530	635
B2F12	2	1.38 [35.052]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.38 [9.652]	600	720
B2F12N ①	2	1.38 [35.052]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.38 [9.652]	600	720
B2G12N ①	2	1.5 [38.1]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.5 [12.7]	700	840
B3D12	—	1.19 [30.226]	2.5 [63.5]	1.25 [31.75]	0.44 [11.176]	12 [304.8]	0.62 [15.748]	0.25 [6.35]	470	560
B3D12N ①	3	1.19 [30.226]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.25 [6.35]	470	560
B3E12	3	1.64 [41.656]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.31 [7.874]	700	840
B3E12N ①	3	1.64 [41.656]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.31 [7.874]	700	840
B3F12	3	1.44 [36.576]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.56 [14.224]	820	980
B3F12N ①	3	1.44 [36.576]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.56 [14.224]	820	980
B3G12	3	1.69 [42.926]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.69 [17.526]	960	1150
B3G12N ①	3	1.69 [42.926]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.69 [17.526]	960	1150
B4D12	4	1.19 [30.226]	2.5 [63.5]	1.25 [31.75]	0.44 [11.176]	12 [304.8]	0.62 [15.748]	0.32 [8.128]	600	720
B4D12N ①	4	1.19 [30.226]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.32 [8.128]	600	720
B4E12	4	1.64 [41.656]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.38 [9.652]	850	1020
B4E12N ①	4	1.64 [41.656]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.38 [9.652]	850	1020
B4F12	4	1.5 [38.1]	3 [76.2]	1.5 [38.1]	0.44 [11.176]	12 [304.8]	0.75 [19.05]	0.78 [19.812]	1000	1200
B4F12N ①	4	1.5 [38.1]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.78 [19.812]	1000	1200
B4G12N ①	4	1.69 [42.926]	3 [76.2]	1.75 [44.45]	0.56 [14.224]	12 [304.8]	0.62 [15.748]	0.94 [23.876]	1200	1440

① Tongue drilled per (2) hole NEMA Standard

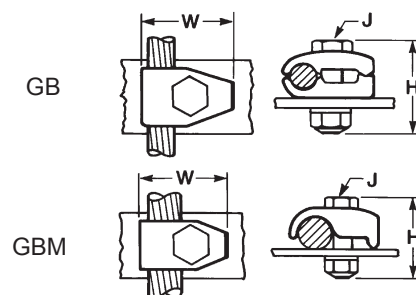
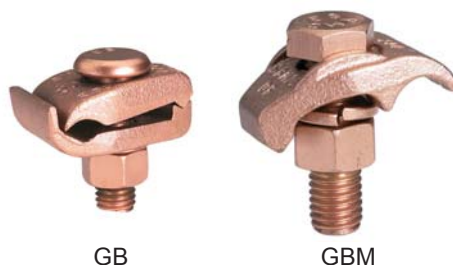
② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

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.


NOTE:

Add 'GS' suffix for galvanized steel hardware.
For other bar thicknesses: 1/4" to 1/2" add suffix 'T4'; 1/2" to 1" add suffix 'T8'; catalog numbers shown above come with bolt to accommodate the cable as noted and bar thickness up to 1/4" thick.

Catalog Number		Cable	H Type GB / GBL	H Type GBM	J	W Type GB/GBL	W Type GBM	Recommended Torque
Type GB	Type GBM							
GB4C	GBM4C	8 [10 mm ²]-4 [25mm ²]	1-1/2 [38.1]	1-1/2 [38.1]	3/8 [9.5]	1-1/4 [31.7]	1-1/4 [31.7]	240
GB26	GBM26	4 [25mm ²]-2/0 [70mm ²]	2 [50.8]	1-1/2 [38.1]	3/8 [9.5]	1-1/2 [38.1]	1-1/2 [38.1]	240
GBL30 ①	—	4 [25mm ²]-300 [150mm ²]	2 [50.8]	—	1/2 [12.7]	1 7/8 [47.6]	—	480
GB29	GBM29	2/0 [70mm ²]-250 [120mm ²]	2 [50.8]	2 [50.8]	1/2 [12.7]	2 [50.8]	2 [50.8]	480
GB34	GBM34	300 [150mm ²]-500 [240mm ²]	3 [76.2]	2-1/4 [57.1]	1/2 [12.7]	2-3/8 [60.3]	2-3/8 [60.3]	480

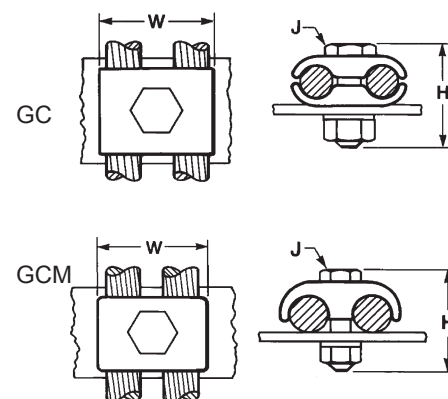
① GBL30 is not UL Listed

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.


NOTE:

Add 'GS' suffix for galvanized steel hardware.
For other bar thicknesses: 1/4" to 1/2" add suffix 'T4'; 1/2" to 1" add suffix 'T8'; catalog numbers shown above come with bolt to accommodate the cable as noted and bar thickness up to 1/4" thick.

Catalog Number		Cable	H Type GC	H Type GCM	J	W Type GC/GCL	W Type GCM	Recommended Torque
Type GC	Type GCM							
GC4C4C	GCM4C	8 [10 mm ²]-4 [25mm ²]	1-1/2 [38.1]	1-1/2 [38.1]	3/8 [9.5]	1-3/8 [34.9]	1 [25.4]	240
GC2626	GCM26	4 [25mm ²]-2/0 [70mm ²]	2 [50.8]	1-1/2 [38.1]	3/8 [9.5]	1-3/4 [44.45]	1-3/8 [34.9]	240
GCL30	—	4 [25mm ²]-300 [150mm ²]	2 [50.8]	—	1/2 [12.7]	1 [25.4]	—	480
GC2929	GCM29	2/0 [70mm ²]-250 [120mm ²]	2-1/4 [57.1]	2 [50.8]	1/2 [12.7]	2-1/4 [57.1]	2 [50.8]	480
GC3434	GCM34	300 [150mm ²]-500 [240mm ²]	2-7/8 [73]	2-1/4 [57.1]	1/2 [12.7]	2-7/8 [73]	2-5/8 [66.7]	480

Equivalent Metric Size given in []; Metric sizes provided for reference only.

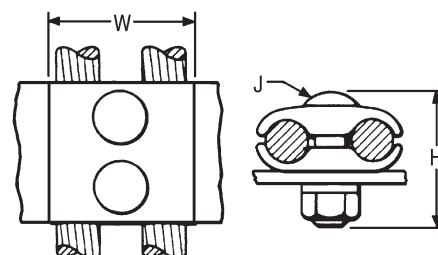
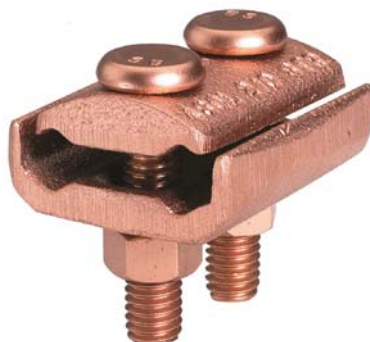
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 DURIMUM™ bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground.



NOTE:

Add 'GS' suffix for galvanized steel hardware.

For other bar thicknesses: 1/4" to 1/2" add suffix 'T4'; 1/2" to 1" add suffix 'T8'; catalog numbers shown above come with bolt to accommodate the cable as noted and bar thickness up to 1/4" thick.

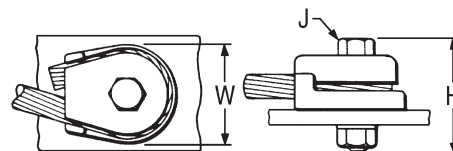
Catalog Number	Conductor	H	J	W
GL4C4C	8 [10 mm ²] - 4 [25 mm ²]	1-1/2 [38.1]	3/8 [9.5]	1-3/8 [34.9]
GL2626	4 [25 mm ²] - 2/0 [95 mm ²]	2 [50.8]	3/8 [9.5]	1-3/4 [44.5]
GL2929	2/0 [95 mm ²] - 250 [120 mm ²]	2-1/4 [57.1]	1/2 [12.7]	2-1/4 [57.1]
GL3434	300 [150mm ²] - 500 [240mm ²]	2-7/8 [73.0]	1/2 [12.7]	2-7/8 [73.0]

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 DURIMUM™ bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground.



NOTE:

Add 'GS' suffix for galvanized steel hardware.

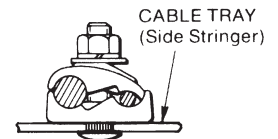
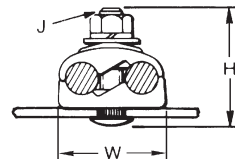
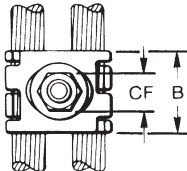
For other bar thicknesses: 1/4" to 1/2" add suffix 'T4'; 1/2" to 1" add suffix 'T8'; catalog numbers shown above come with bolt to accommodate the cable as noted and bar thickness up to 1/4" thick.

Catalog Number	Conductor	H	J	W
GZ4C-38	8 [10mm ²] - 4 [25mm ²]	1-1/2 [38.1]	3/8 [9.5]	1-1/8 [28.5]
GZ4C-12	8 [10mm ²] - 4 [25mm ²]	1-7/8 [47.6]	1/2 [12.7]	1-3/4 [44.5]
GZ4C-58	8 [10mm ²] - 4 [25mm ²]	2 [50.8]	5/8 [15.8]	1-3/4 [44.5]
GZ26-38	3 [25mm ²] - 2/0 [70mm ²]	2 [50.8]	3/8 [9.5]	1-5/8 [15.9]
GZ26-12	3 [25mm ²] - 2/0 [70mm ²]	2-1/8 [54]	1/2 [12.7]	1-3/4 [44.5]
GZ26-58	3 [25mm ²] - 2/0 [70mm ²]	2-1/4 [57.1]	5/8 [15.8]	1-3/4 [44.5]
GZ29-38	3/0 [70mm ²] - 250 [120mm ²]	2-1/4 [57.1]	3/8 [9.5]	2-1/4 [57.1]
GZ29-12	3/0 [70mm ²] - 250 [120mm ²]	2-3/8 [60.3]	1/2 [12.7]	2-1/4 [57.1]
GZ29-58	3/0 [70mm ²] - 250 [120mm ²]	2-1/2 [63.5]	5/8 [15.8]	2-1/4 [57.1]

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. [16mm ²] - 1/0 Str. [50mm ²]	1.12 [28.45]	0.56 [14.22]	1.95 [49.53]	3/8 [9.5]	1.45 [36.83]
GC2626CT	#2 Sol. [35mm ²] - 2/0 Str. [70mm ²]	1.12 [28.45]	0.56 [14.22]	1.95 [49.53]	3/8 [9.5]	1.7 [43.18]
GC2929CT	2/0 Sol. [70mm ²] - 250 kcmil [120mm ²]	1.12 [28.45]	0.56 [14.22]	2.2 [55.88]	3/8 [9.5]	1.98 [50.29]

NOTES:

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 cabletray.

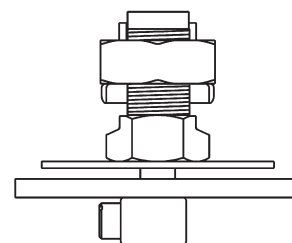
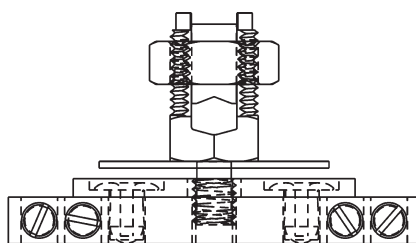
TYPE BDT

BONDIT®

House Mounted or Meter Socket Mounted

Designed to meet the requirements of NEC Article 250.94 "Bonding for Other Systems". Corrosion-resistant stainless steel set screws. Accepts main ground wire (#2-#8 [34mm²-8mm²]) and up to 4 intersystem wires (#6-#14 [13mm²-2mm²]). 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**



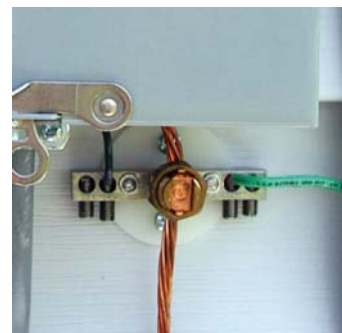
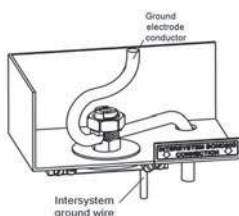
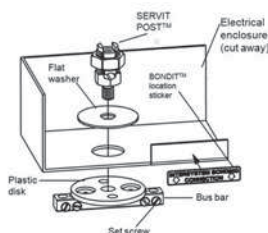
Features & Benefits

- Made in the USA!
- Meets Intersystem Bonding Requirements; NEC 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



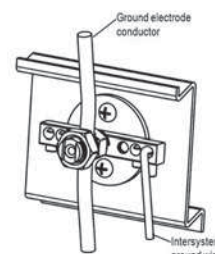
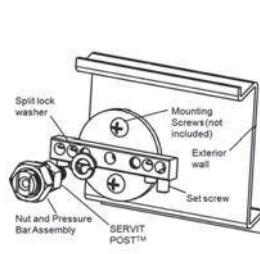
CONFIGURATION 1 - MOUNTED TO ENCLOSURE

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 shown 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 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.



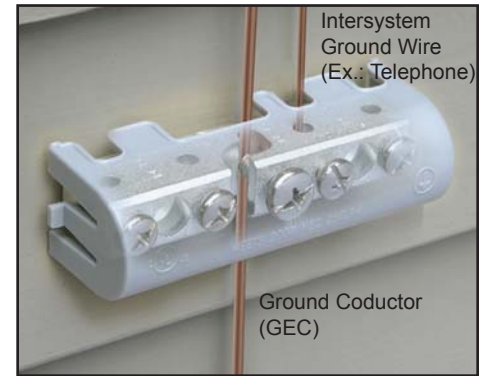
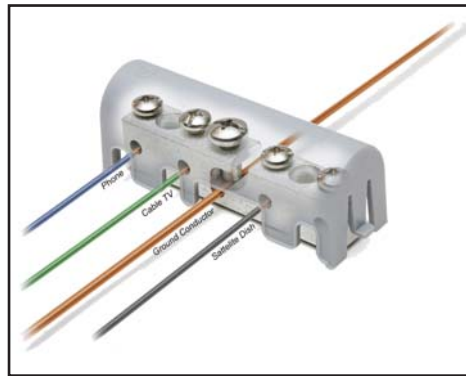
BONDIT® - Wall Mounted

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**

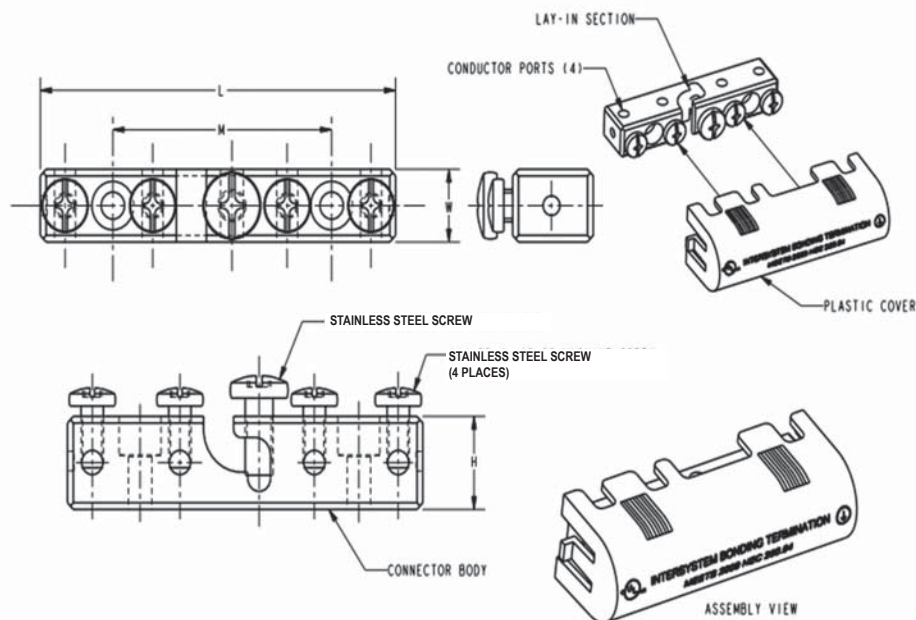


Features & Benefits

- 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) inter-system 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 [16mm ²] - #2 AWG [35mm ²]	#14 [2.5 mm ²] - #4 AWG [25 mm ²]	3.99	.71	.91	2.46



Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

BWB680 Series

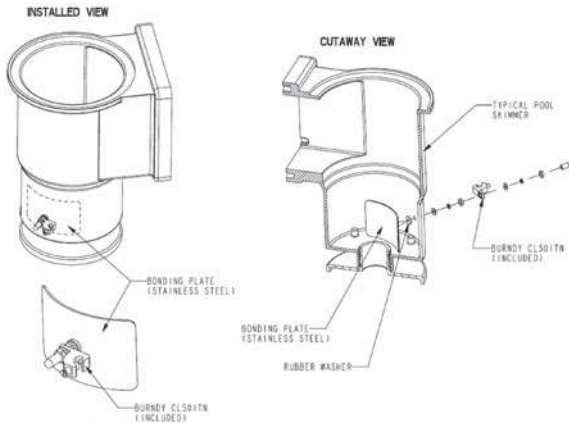
BURNDY® Pool Water Bonding Kit

NEC 680.26(C) states: "An intentional bond of 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 offering 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 are placed in the plumbing, which is not always in contact with the water and therefore does not meet the code. Since the BWB680 Series is placed in the skimmer, it is always in contact with the water.

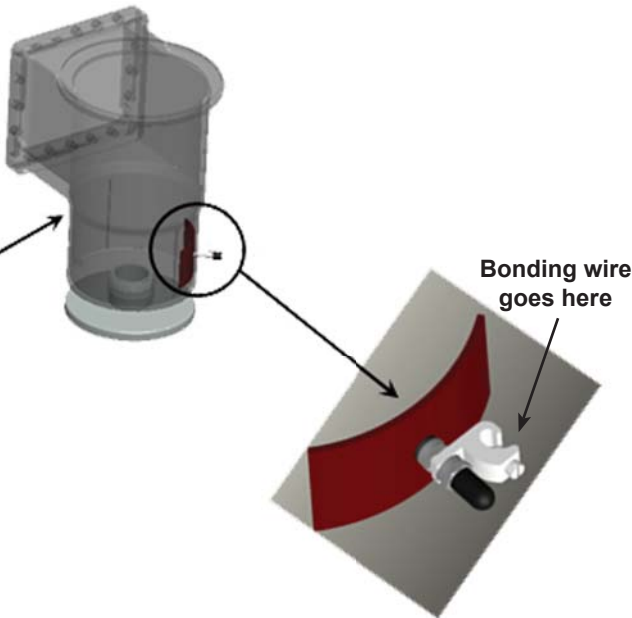
Included in the BURNDY BWB680 Series Bonding Kit: One (1) bonding plate; one (1) rubber sealing washer; two (2) flat washers; two (2) lock washers; two (2) nuts; and one (1) BURNDY CL501-TN



Features & Benefits

- 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
BWB680AG	Above Ground
BWB680IG	In-Ground



BURNDY® 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 potential hazard.

These reels are heavy duty, of rugged construction and are supplied with a 100 amp universal jaw-type grounding clamp. The reels are available with 100 ft and 50 ft lengths. All reels come 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.



BSD2050



BSD2050N

Features & Benefits

- 100 ft and 50 ft cable lengths
- Automatic E-Z PULL™ Rewinding
- Rugged Steel Construction
- Compact Enclosed Design (excluding BSD20100)
- Positive Ratchet Lock with Ratchet On/Off Switch (excluding BSD20100)
- Permanent Ratchet Lock (BSD20100 only)
- Steel Cable Installed
- 100 Amp Universal Jaw-Type Grounding Clamp
- Red Baked-on Finish
- Made in the USA



BSD2050Y



BSD20100

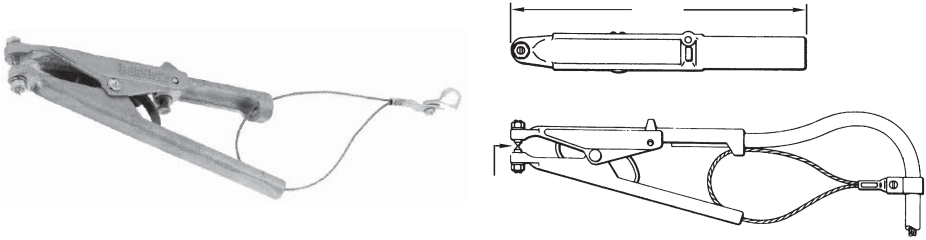
Catalog Number	Cable Length	# of Jaw-Type Grounding Clamps	Weight (lb.)
BSD20100	100 feet (Open Reel Design)	1	20
BSD2050	50 feet	1	12
BSD2050N	50 feet (Nylon Covered)	1	12
BSD2050Y	35 feet plus 15 feet of "Y"	2	13

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. [21mm²] flexible copper cable.



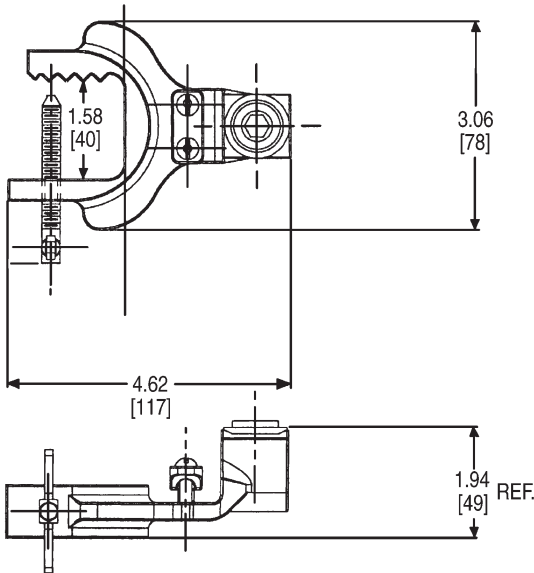
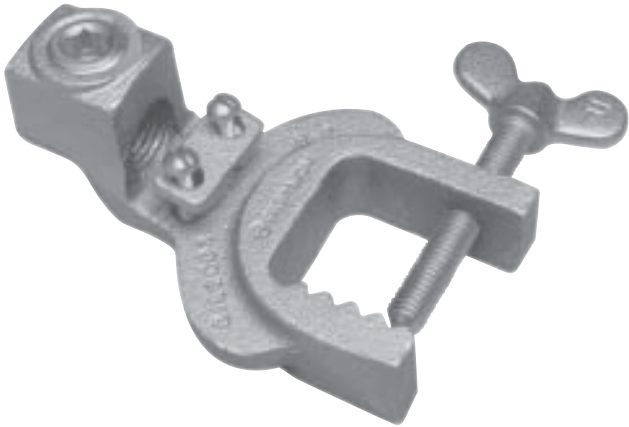
Catalog Number	Description	Material	Point Configuration
GIE4CG3	Assembly Beryllium Copper	Beryllium Copper	Assembly
GIE4CG4	Assembly Stainless Steel	Stainless Steel	Assembly
GIE4CG3P5	Beryllium Copper CONE Point Only	Beryllium Copper	Cone Point
GIE4CG3P7	Beryllium Copper CUP Point Only	Beryllium Copper	Cup Point
GIE4CG4P5	Stainless Steel CONE Point Only	Stainless Steel	Cone Point
GIE4CG4P7	Stainless Steel CUP Point Only	Stainless Steel	Cup Point

TYPE GIE-G

Ground Connector

Accommodates flexible rubber sheath cable ranging from #6 to #2 [13mm²-34mm²] conductor.

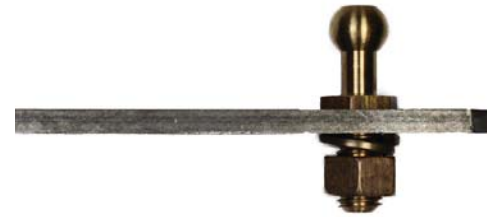
Catalog Number: GIE2CG3



TYPE GCB63T13G1

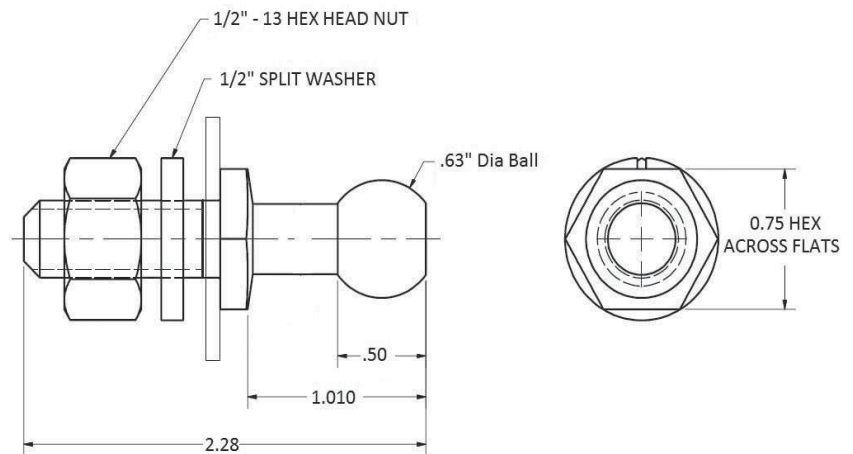
STUDBUG™ for Static Grounding Applications

GCB63T13G1 is a temporary grounding stud for use on rail cars, chemical trucks, hazardous waste tankers or a petroleum vehicle to allow for static grounding protection, while in operation. It provides a contact point, allowing the rail car, truck or tanker to be grounded to an equipotential grid or ground rod, by using static reel or a ground cable.



Features & Benefits

- Made of bronze, and supplied with silicon bronze hardware
- Secured by 1/2" hexagonal nut and split lock washer
- Can be used with universal clamps and ball stud clamps
- Can be used at various angles to reach inaccessible areas
- Add suffix "SS" for grounding stud with stainless steel hardware



Note:

- ① Can be used with plate, bus bar or structural steel up to 1/4" thick.

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 DURUM™ hardware. Connectors designed for extended service life.

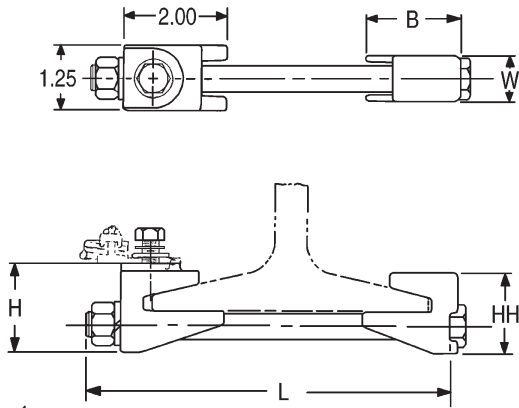


Figure 1

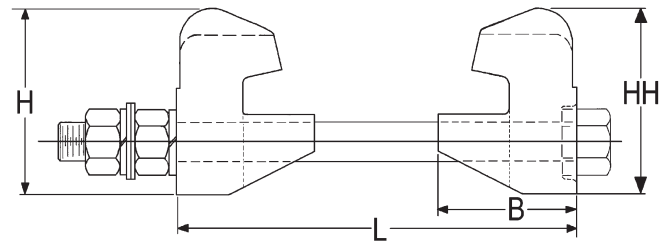


Figure 2

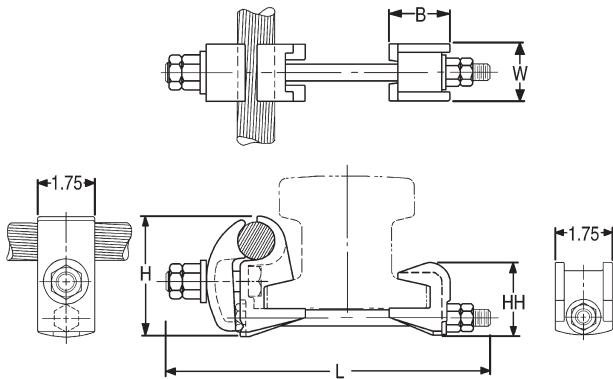


Figure 3

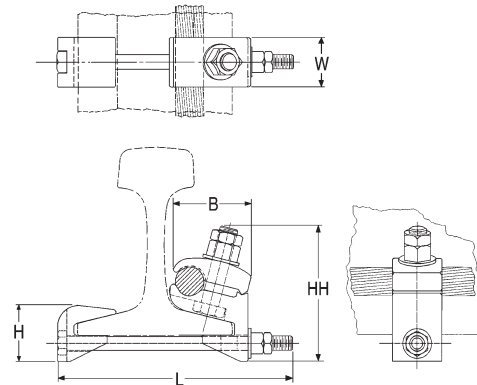


Figure 4

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	7.5	0.88
J279	1	75 or 90 Lbs. Running Rail	1.81	1.71	1.55	7.5	0.88
J280	1	150 Lbs. Contact Rail	2.12	2.08	1.92	7	1.25
J295	2	150 Lbs. Third Rail	2.62	3.5	3.5	7.75	3.00
RGC44G1①	3	150 Lbs. NMC Contact Rail and (1) 800 [400mm²] - 1000 [500mm²] kcmil CU Cable	1.75	2.82	2.25	10	1.75
RGC39G1①	4	115 Lbs. Contact or Running Rail and (1) 500 [240mm²] - 750 [375mm²] kcmil CU Cable	2.75	2	4.78	8.32	1.25

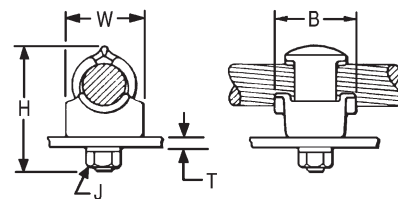
① Tin-plated

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. DURIUM™ nut and lockwasher. Can be installed side by side or in line on NEMA drilled bar.



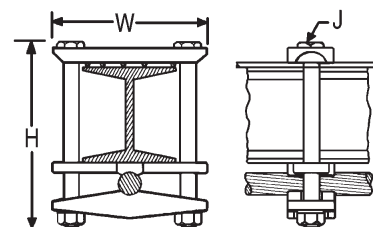
Catalog Number	Copper Conductor	B	H	J	T (Max)	W
QGFL1CB1	10 [6 mm ²] AWG-1 [35 mm ²] AWG	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	10 [6 mm ²] AWG-1 [35 mm ²] AWG	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	8 [10 mm ²] AWG-2/0 [70 mm ²] AWG	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	8 [10 mm ²] AWG-2/0 [70 mm ²] AWG	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2	8 [10 mm ²] AWG-2/0 [70 mm ²] AWG	1-1/4	1-1/2	1/2	1/4	1-1/8
QGFL26B2T6	8 [10 mm ²] AWG-2/0 [70 mm ²] AWG	1-1/2	2-7/8	1/2	3/4	1-1/8
QGFL29B1	6 [16 mm ²] AWG-250 [120 mm ²] kcmil	1-5/8	2-5/8	1/2	1/4	1-3/8
QGFL29B1T6	6 [16 mm ²] AWG-250 [120 mm ²] kcmil	1-5/8	3-1/8	1/2	3/4	1-3/8
QGFL31B1	2 [35 mm ²] AWG-350 [185 mm ²] kcmil	1-3/4	2-7/8	1/2	1/4	1-5/8
QGFL31B1T6	2 [35 mm ²] AWG-350 [185 mm ²] kcmil	1-3/4	3-1/4	1/2	3/4	1-5/8
QGFL34B1	1/0 [50 mm ²] AWG-500 [240 mm ²] kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0 [50 mm ²] AWG-500 [240 mm ²] kcmil	2	3-5/8	1/2	3/4	1-3/4
QGFL39B1	350 [185 mm ²] kcmil-750 [375 mm ²] kcmil	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6	350 [185 mm ²] kcmil-750 [375 mm ²] kcmil	2-1/4	3-5/8	1/2	3/4	1-3/4
QGFL44B1	750 [375 mm ²] kcmil-1000 [500 mm ²] kcmil	2-1/4	3-3/8	1/2	1/4	2-1/8
QGFL44B1T6	750 [375 mm ²] kcmil-1000 [500 mm ²] kcmil	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 [500 mm ²] kcmil-1500 [760 mm ²] kcmil	2-1/4	4	1/2	1/4	2-1/2
QGFL46B1T6	1000 [500 mm ²] kcmil-1500 [760 mm ²] kcmil	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1	1500 [760 mm ²] kcmil-2000 [1000 mm ²] kcmil	2-1/4	4-3/4	1/2	1/4	3

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 DURIUM™ for superior corrosion protection.



Catalog Number	Conductor		H	J	W
	"H" Beam	Cable			
GA25H26	1-7/8" - 2-1/2" X 2-1/2"	4 [25 mm ²] Sol. - 2/0 [70 mm ²] Str.	4-3/4 [120.7]	3/8 [9.5]	4 [101.6]

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

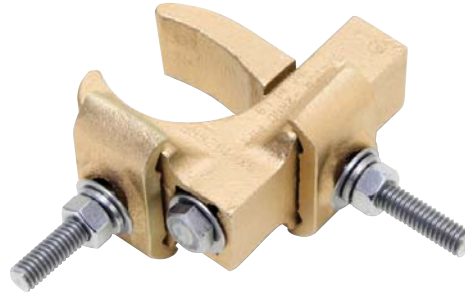
TYPE GXP1828RF

SUPER-CLAMP™

SUPER-CLAMP™ Raised Floor Ground Connector

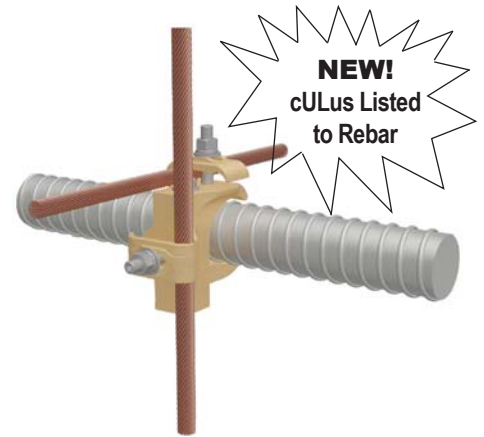
Raised Floor Pedestal Ground Connector. The GXP1828RF is a versatile, easy to install, range taking ground connector. This grounding clamp accepts a wide range of pedestals and conductors. Accepted pedestal range is 3/4" through 2" (7/8 - 2" round; 3/4" - 1-1/2" square). The wire range is #6 solid to 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.

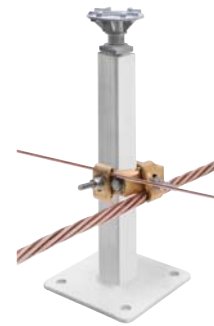


Features & Benefits

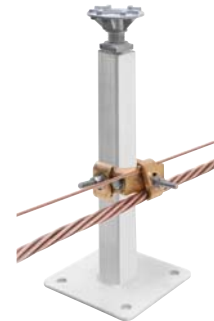
- Fits a wide range of raised floor pedestals, from 3/4" to 2" (7/8 - 2" round; 3/4" - 1-1/2" square)
- Accepts a wide range of wire sizes, from #6 solid to 4/0 stranded
- Accommodates parallel wires or cross grid arrangements; wires can be installed in cross grid configuration!
- Accepts one or two 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



Rebar Connection

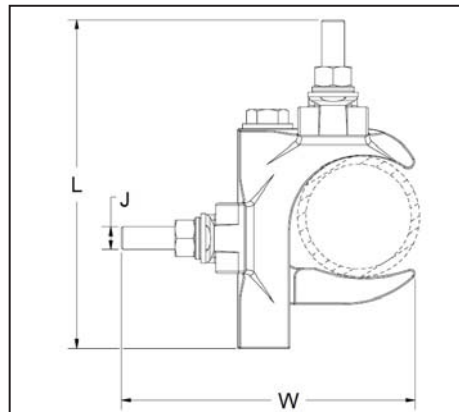
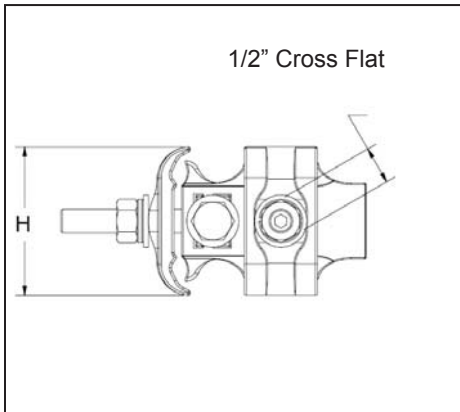


Cross Grid Configuration



Parallel Configuration

Works on either Round or Square Pedestals



Catalog Number	Copper Conductor Range (Solid or Stranded)*	Pedestal Range	Rebar	Reference Dimensions				Recommended Tightening Torque (in-lb)	
				L	W	H	J	Conductor Saddle (Nut)	Pedestal Clamp (Bolt)
GXP1828RF	6 AWG [16mm ²]-4/0 AWG [95mm ²]	Round: 7/8" - 2" Square: 3/4" - 1-1/2"	Rebar Size: 7/8" - 1-1/2" (#7 - #12)	4.53 [115.1]	3.94 [100.1]	1.96 [49.8]	5/16 [8]	120	180

TYPE GRF

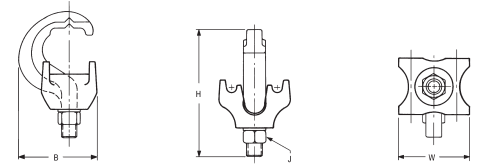
UNIGROUND™

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 & Benefits

- One connector fits all applications
- Ease of specification and installation
- Single bolt design provides 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



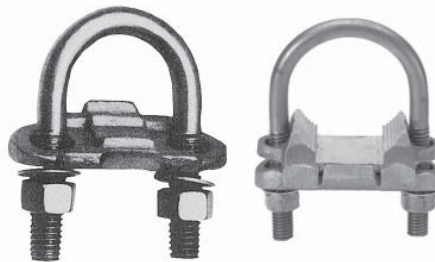
- Resists corrosion and provides extended life ground connection
- Grounds all pedestals (round or square). Will handle up to 7/8" square and 1" round
- Ease of installation. One connector does it all
- Serves 3 needs:
 1. Signal Reference Grid
 2. Static Ground
 3. Fault Current Ground
- UNIGROUND™ 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 [10mm ²] - #2 [35mm ²]	Up to 1"	Up to 7/8"	1.96 [49.8]	3.14 [80]	3/8 [9.5]	1.76 [44.7]
GRF4C-4	1 or 2	#8 [10mm ²] - #2 [35mm ²]	Up to 3/4"	Up to 5/8"	1.79 [44.7]	3.13 [79.5]	3/8 [9.5]	1.40 [35.5]

TYPES GP-G1, GP-RT

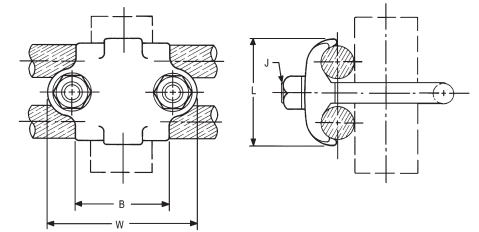
Raised Floor Grounding Clamps

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 & Benefits

- Accepts 1 or 2 Ground Conductors
- Requires less connectors to install signal reference grid
- Made of copper alloy
- DURIUM™ 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



- 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 (Round or Square)	B	J	L	W
GP654CG1	1 or 2	#8 Sol. [10mm ²] - 4 Str. [25mm ²]	Round or Square	1.5	3/8 [9.5]	1.31	2.38
GP64526G1	1 or 2	#4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	Round or Square	1.5	3/8 [9.5]	1.31	2.38
GP1526G1	1 or 2	#4 Sol. [25mm ²] - 2/0 Str. [70mm ²]	Round	1.75	3/8 [9.5]	1.69	2.62
GP1726RT	1 or 2	#6 Sol. [16mm ²] - 2/0 Str. [70mm ²]	Round or Square	2.12	3/8 [9.5]	1.50	3.22
GP1726G1	1 or 2	#6 Sol. [16mm ²] - 2/0 Str. [70mm ²]	Round	2.12	3/8 [9.5]	1.50	3.22

Equivalent Metric Size given in []; Metric sizes provided for reference only.

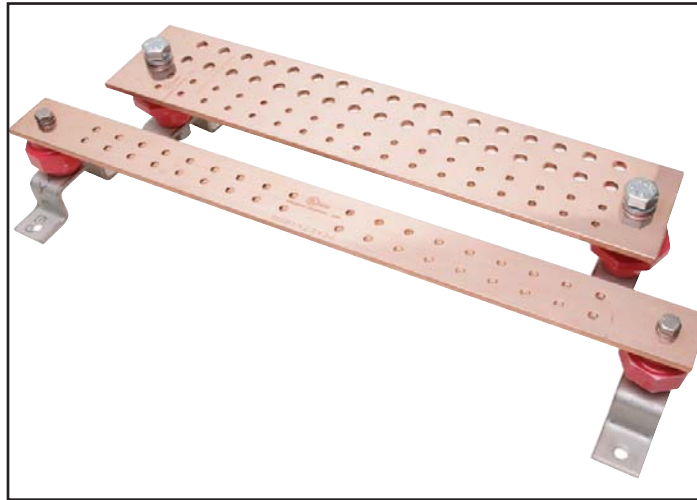
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE BBB

BURNDY® Bus Bar

Copper Bus Bar

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
BBB-14210A	1	0.63	1/4"	2 in	10"	0.63	—	—	1.00	—	16	0.28
BBB-14224B	2	0.62	1/4"	2 in	24"	0.62	0.75	—	1.00	1.00	36	0.28
BBB-14410C	3	0.75	1/4"	4 in	10"	0.75	1.00	—	1.25	—	22	0.44
BBB-14410D	4	1.25	1/4"	4 in	10"	1.25	1.00	—	1.13	1.13	22	0.44
BBB-14412E	5	0.75	1/4"	4 in	12"	0.75	1.00	—	2.00	1.25	18	0.44
BBB-14412F	6	1.00	1/4"	4 in	12"	1.00	0.75	—	2.00	1.25	24	0.44
BBB-14416G	7	0.75	1/4"	4 in	16"	0.75	1.00	—	1.69	—	24	0.44
BBB-14416H	8	1.00	1/4"	4 in	16"	1.00	1.00	0.75	1.69	—	32	0.44
BBB-14420J	9	1.00	1/4"	4 in	20"	1.00	1.00	0.75	1.00	—	68	0.44
BBB412UD	—	N/A	1/4"	4 in	12"	N/A	N/A	N/A	N/A	N/A	0	—
BBB-424-UD	—	N/A	1/4"	4 in	24"	N/A	N/A	N/A	N/A	N/A	0	—
BBB-HR19	—	0.38	3/16"	3/4 in	19"	0.38	—	—	—	—	8	—
BBB-VR36	—	0.32	1/4"	5/8 in	36"	0.32	—	—	—	—	16	—

* Contact factory for custom sizes.

NOTE:

For separately ordering Insulator & Brackets use catalog number **B38723000**.

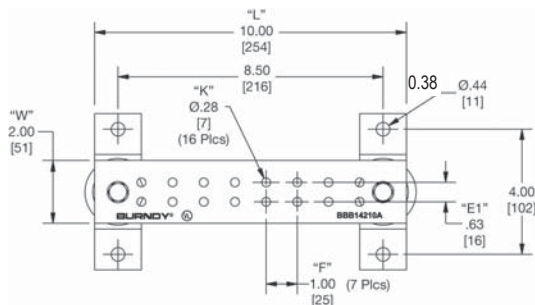


Figure 1

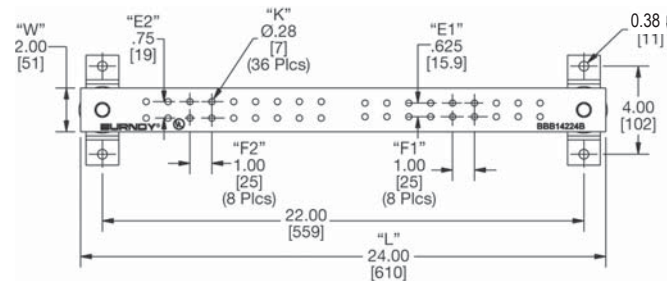


Figure 2

TYPE BBB

BURNDY® Bus Bar

Copper Bus Bar (Continued)

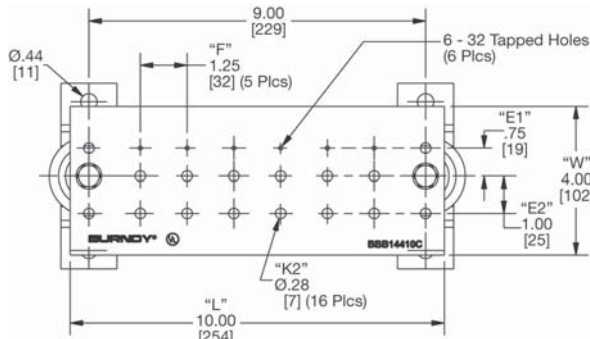


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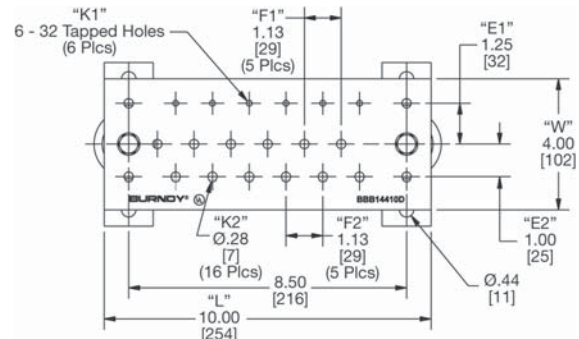


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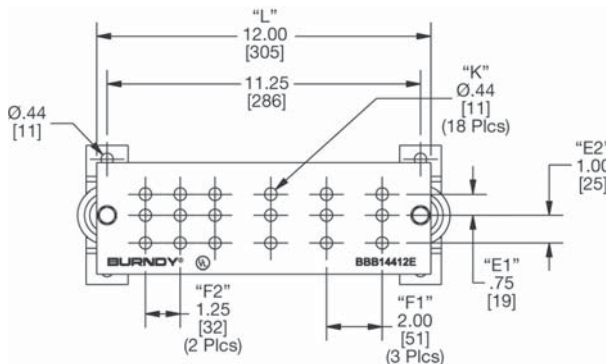


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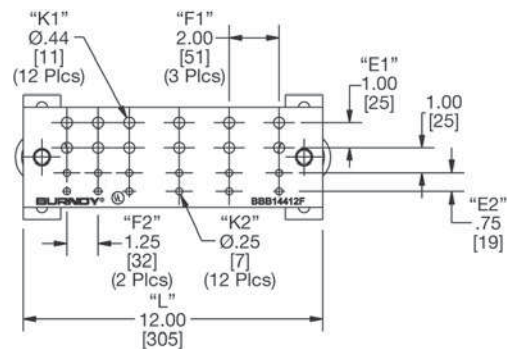


Figure 6

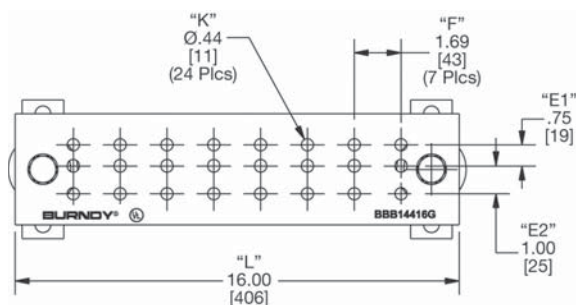


Figure 7

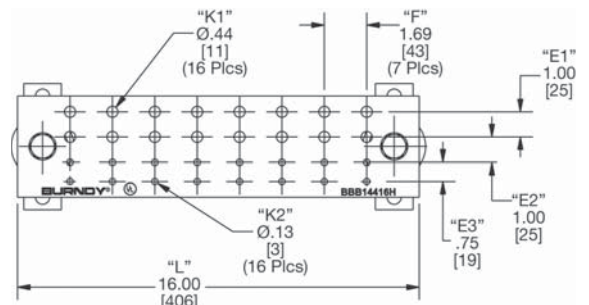


Figure 8

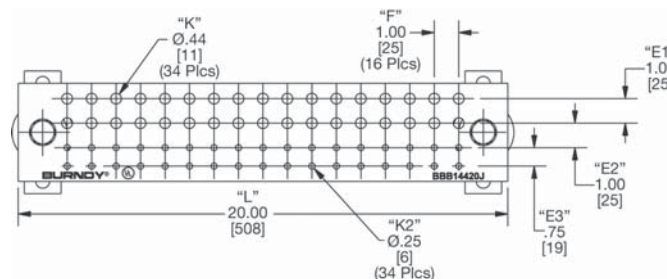


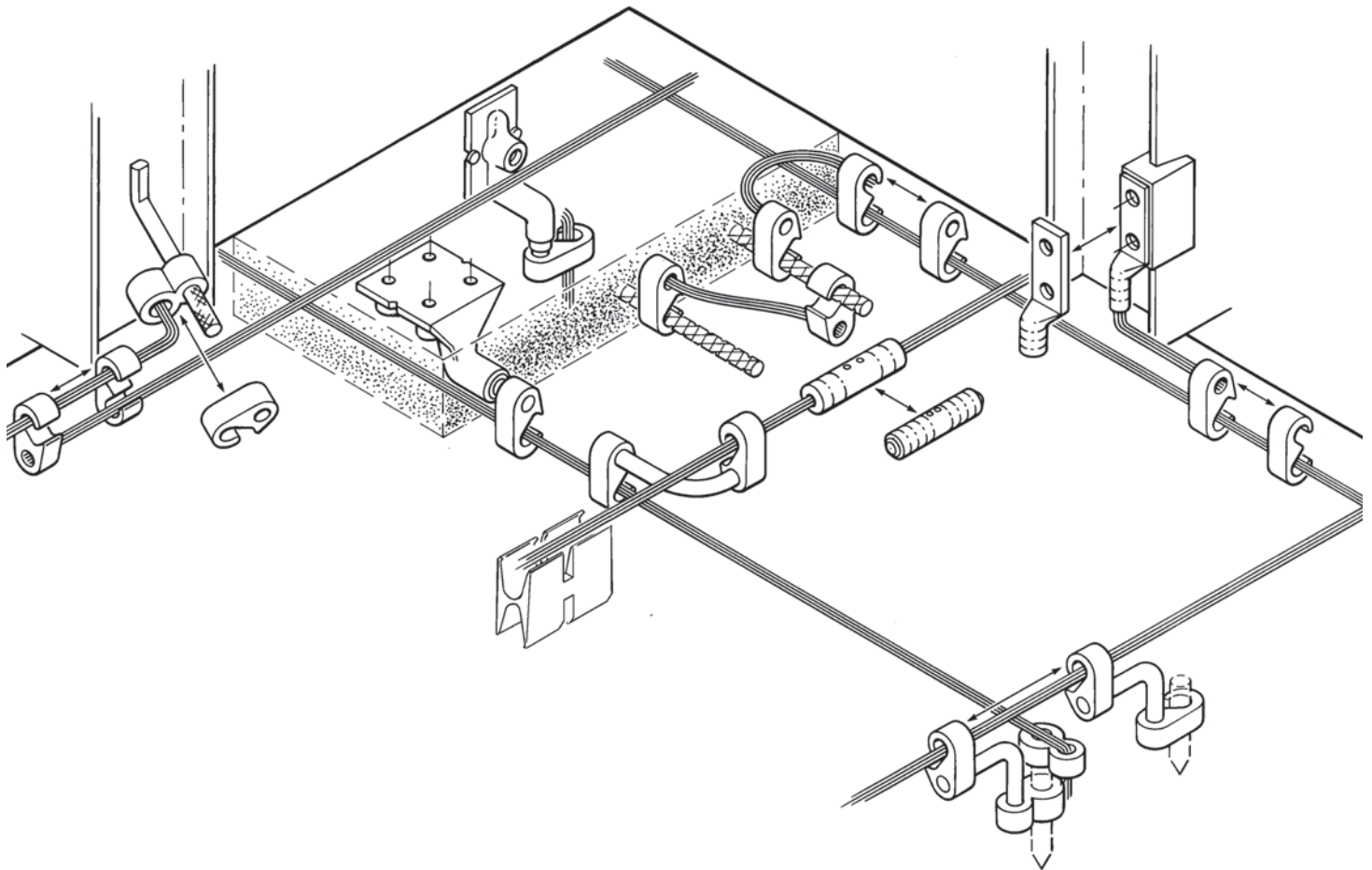
Figure 9

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

THE HYGROUND® IRREVERSIBLE COMPRESSION SYSTEM

Example Grid Layout



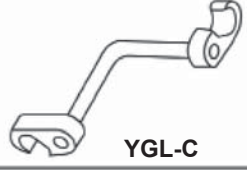
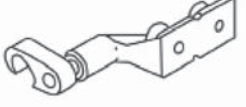
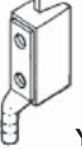
THE HYGROUND® IRREVERSIBLE COMPRESSION SYSTEM

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)

 YGHPC	 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.
 - ◇ 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. marketplace 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

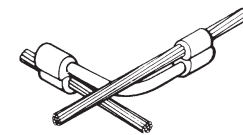
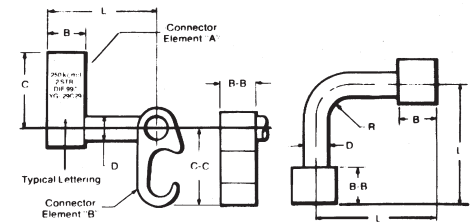
Please contact Customer Service for applications requiring IEEE-837 2014.

TYPE YGL-C

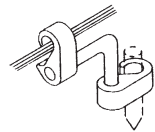
HYGRID™

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



Ground Grid Cross Connection



Cable to Ground Rod

UL96 Listed for Lightning Protection.

Catalog Number	B	BB	C	C-C	D	L	R
YGL2C2	0.75	0.75	1.09	1.09	0.31	2.50	0.31
YGL29C2			1.66	1.09	0.31		0.31
YGL29C29			1.66	1.66	0.5		0.50
YGL34C2			2.09	1.09	0.31		0.31
YGL34C29			2.09	1.66	0.5		0.50
YGL34C34	1.10	1.10	2.28	2.28	0.75		0.75

Catalog Number	Cable to Cable		Cable to Ground Rod		To Rebar
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"
YGL2C2	#6 Sol. [16 mm ²] - #2 Str. [35 mm ²] ①{59500} - {59500}	#6 Sol. [16 mm ²] - #2 Str. [35 mm ²] ①{59500} - {59500}	—	—	—
YGL29C2	#1 Str. [42mm ²] - 250 kcmil [127mm ²] ①{98500} - {131500}	#6 Sol. [16 mm ²] - #2 Str. [35 mm ²] ①{59500} - {59500}	1/2" [12.7] - 5/8"[15.9] Rod	#6 Sol. [13mm ²] - #2 Str. [34mm ²]	3/8" - 1/2" #3 - 4 Rebar
YGL29C29	#2 Str. [34mm ²] - 250 kcmil [127mm ²] ①{65500} - {131500}	#2 Str. - 250 kcmil ①{65500} - {131500}	5/8" [15.9] - 3/4" [19.1] Rod	#2 Str. [34mm ²] - 250 kcmil [127mm ²]	3/8" - 1/2" #3 - 4 Rebar
YGL34C2	250 kcmil [127mm ²] - 500 kcmil [253mm ²]	#6 Sol. [13mm ²] - #2 Str. [34mm ²]		#6 Sol. [13mm ²] - #2 Str. [34mm ²]	5/8" - 3/4" #5 - 6 Rebar
YGL34C29	250 kcmil [127mm ²] - 500 kcmil [253mm ²]	#2 Str. [34mm ²] - 250 kcmil [127mm ²]		#2 Str. [34mm ²] - 250 kcmil [127mm ²]	5/8" - 3/4" #5 - 6 Rebar
YGL34C34	250 kcmil [127mm ²] - 500 kcmil [253mm ²]	250 kcmil [127mm ²] - 500 kcmil [253mm ²]		250 kcmil [127mm ²] - 500 kcmil [253mm ²]	5/8" - 3/4" #5 - 6 Rebar

Catalog Number	Installation Tools, Die Set Catalog Number (Number of Crimps)							
	Y35/Y39 HYPRESS™		PAT750-18V/Y750		②Y45 HYPRESS™		③Y46 HYPRESS™	
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGL2C2	U-O (1)	U-O (1)	U-O (1)	U-O (1)	U-O (1)	U-O (1)	U-O (1)	U-O (1)
YGL29C2	U997 (1)	U-O (1)	U997P (1)	U-O (1)	U997 (1)	U-O (1)	U997 (1)	U-O (1)
YGL29C29	U997 (1)	U997 (1)	U997P (1)	U997P (1)	U997 (1)	U997 (1)	U997 (1)	U997 (1)
YGL34C2	-	-	PU998 (1)	U-O (1)	S998 or PU998 (1)	U-O (1)	P998 or PU998 (1)	U-O (1)
YGL34C29	-	-	PU998 (1)	U997P (1)	S998 or PU998 (1)	U997 (1)	P998 or PU998 (1)	U997 (1)
YGL34C34	-	-	U1011 (3)	U1011 (3)	S1011 (3)	S1011 (3)	P1011 (3)	P1011 (3)

- ① Dimensions in brackets { } represent lightning protection conductors
- ② Where a "U" or "PU" die is recommended with Y45 HYPRESS™, a PT6515 adapter is required
- ③ Where a "U" or "PU" die is recommended with Y46 HYPRESS™, a PUADP-1 adapter is required

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 connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp 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	

Equivalent Metric Size given in []; Metric sizes provided for reference only.

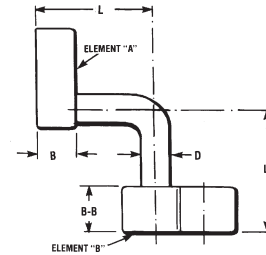
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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	B	B-B	D	L	Commercial Copper Cable Range Element "A"	Metric Copper Cable Range Element "A"	CopperWeld Cable Range Element "A"	Ground Rod Dia Element "B"
YGLR29C12	0.75 [19.1]	.88 [22.4]	0.31 [7.9]	2.53	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm ² (7.62mm Dia.) thru 120 mm ² (14.40mm Dia.)	91.65 (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	1/2" [12.7]
YGLR34C12					250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm ² (14.40mm Dia.) thru 240 mm ² (20.35mm Dia.)	248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)	1/2" [12.7]
YGLR29C58					#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm ² (7.62mm Dia.) thru 120 mm ² (14.40mm Dia.)	91.65 (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	5/8" [15.9]
YGLR34C58					250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm ² (14.40mm Dia.) thru 240 mm ² (20.35mm Dia.)	248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)	5/8" [15.9]
YGLR29C34			0.50 [12.7]	2.63	#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm ² (7.62mm Dia.) thru 120 mm ² (14.40mm Dia.)	91.65 (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	3/4" [19.1]
YGLR34C34					250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm ² (14.40mm Dia.) thru 240 mm ² (20.35mm Dia.)	248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)	3/4" [19.1]
YGLR29C100					#2 Str. (.292 Dia.) thru 250 kcmil (.575 Dia.)	35 mm ² (7.62mm Dia.) thru 120 mm ² (14.40mm Dia.)	91.65 (.343 Dia.) thru 248.8 kcmil (.572 Dia.)	1" [25.4]
YGLR34C100					250 kcmil (.575 Dia.) thru 500 kcmil (.813 Dia.)	120 mm ² (14.40mm Dia.) thru 240 mm ² (20.35mm Dia.)	248.8 kcmil (.572 Dia.) thru 498.8 kcmil (.810 Dia.)	1" [25.4]

Catalog Number	Installation Tools, Die Set Cat. No. (Number of Crimps)							
	Y35/Y39 HYPRESS™		Y750/PAT750		② Y45 HYPRESS™		③ Y46 HYPRESS™	
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGLR29C12	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)	S1012 (2) or PU998 (1)	U997 (1)	P1011 (2) or PU998 (1)
YGLR34C12	—	—	U1011 or PU998 (1)	U1011 (2) or PU998 (1)	S998 or PU998 (1)		P998 or PU998 (1)	
YGLR29C58	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)		U997 (1)	
YGLR34C58	—	—	U1011 or PU998 (1)	U1011 (2) or PU998 (1)	S998 or PU998 (1)		P998 or PU998 (1)	
YGLR29C34	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)		U997 (1)	
YGLR34C34	—	—	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)		U1011 (2) or PU998 (1)	
YGLR29C100	—	—	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)		U997 (1)	
YGLR34C100	—	—	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)		U1011 (2) or PU998	

- ② Where a "U" or "PU" die is recommended with Y45 HYPRESS™, a PT6515 adapter is required
 ③ Where a "U" or "PU" die is recommended with Y46 HYPRESS™, a PUADP-1 adapter is required

NOTES:

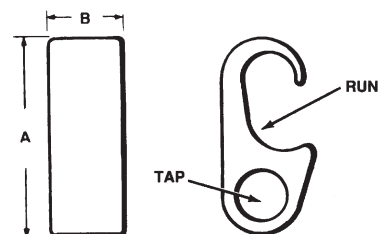
- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connections that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

Ground Rod Dia.	PRECRIMP Dies	
1/2" [12.5 mm]	UPRECRIMP 12	U2CABT
5/8" [15.6 mm]	UPRECRIMP 58	
3/4" [18.8 mm]	UPRECRIMP 34	

TYPE YGHP-C

HYTAP™

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



Figure 1



Figure 2

Catalog Number	Fig. #	Accommodates		⑨ Cable to Rebar		B	Installation Data (Number of Crimps)			
		① Run	① Tap	Run	Tap		Y750/Y35/Y39	PAT750	② Y45	③ Y46
YGHP2C2	1	#6 Sol. [13mm ²] (0.162) {59500} - #2 Str. [34mm ²] (0.292) {59500}	⑥ #6 Sol. (0.162) {59500} - #2 Str. (0.292) {59500}	—	—	0.75	UO (1)	UO (1)	UO (1)	UO (1)
YGHP2C6W6W ⑦	2	#6 Sol. [13mm ²] (0.162) - #2 Str. [34mm ²] (0.292)	#8 Sol. (0.128) - #6 Str. (0.184) Qty. 2	—	—	0.75				
YGHP29C6W6W ⑦	2	1/0 Str. [54mm ²] (0.372) {98500} - 250 kcmil [127mm ²] (0.575) {131500} 1/2" - 5/8" Rod	#8 Sol. (0.128) - #6 Str. (0.184) Qty. 2	#3 Rebar 3/8 through 1/2 #4 Rebar	#8 Sol. - 6 Str.	0.75	U997 (1)	U997 (1)	U997 (1)	U997 (1)
YGHP29C2	1		#4 Sol. (0.204) {#4 Sol.} - #2 Str. (0.292) {#2 Str.}		#2 Str.	2.31				
YGHP29C26	1		1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500}		1/0 Str. - 2/0 Str.	2.31				
YGHP29C29 ⑧	1		3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500}		3/0 Str. - 250 kcmil	2.31				
YGHP34C2 ⑤	1	250 kcmil [127mm ²] (0.575) {250 kcmil} - 500 kcmil [253mm ²] (0.813) {500 kcmil} 5/8" - 3/4" Rod	#4 Sol. (0.204) - #2 Str. (0.292)	#5 Rebar 5/8 through 3/4 #6 Rebar	—	2.31	PU998 (1)	PU998 (1)	PU998 or S998 (1)	PU998 or P998 (1)
YGHP34C26 ⑤	1		1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500}		1/0 Str. - 2/0 Str.	2.31				
YGHP34C29 ⑤	1		3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500}		3/0 Str. - 250 kcmil	2.31				
YGHP34C34 ⑤	1		350 kcmil (0.681) - 500 kcmil (0.843)		350 kcmil - 500 kcmil	2.75	U1011 (3)	U1011 (3)	S1011 (3)	P1011 (3)

① Dimensions in brackets { } represent lightning protection conductors

② Where a "U" or "PU" die is recommended with Y45 HYPRESS™, a PT6515 adapter is required

③ Where a "U" or "PU" die is recommended with Y46 HYPRESS™, a PUADP-1 adapter is required

④ These connectors can only be installed using the Y750, Y45 or Y46 series of HYPRESS™ tools; cannot be installed with the Y35 or Y39 series

⑤ When using #6 Sol in tap, fold conductor double for improved fill

⑦ Not UL96/CSA

⑧ When using 3/0 in tap, minimum run conductor must be 2/0 Str.

⑨ Clean rust and protective coatings from rebar prior to installation to provide proper ground connection. Precrimping is not required.

Ground Rod Dia.	PRECRIMP Dies	
1/2" [12.5 mm]	UPRECRIMP 12	U2CABT
5/8" [15.6 mm]	UPRECRIMP 58	
3/4" [18.8 mm]	UPRECRIMP 34	

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

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE YGHP-C

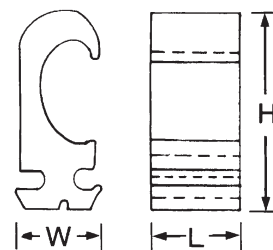
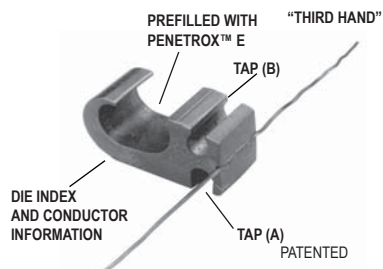
HYTAP™

High Strength Copper Irreversible Compression Ground Rod Tap 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.



IEEE-837



Features & 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 insure 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
- 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	① Ground Rod Dia.	② Tap Conductor	Dimensions			③ Installation Tooling Die Number (# of Crimps)		Die Index
			H	L	W	Y35/Y750/PAT750 HYPRESS™	④ Y46 HYPRESS™	
YGHP58C2W-2	1/2" [12.7] - 5/8" [15.9]	#2 Sol. [35 mm²] - #6 Sol. [16 mm²] Copper (1) Continuous Run and (1) Tap or up to (2) Taps may be connected	1.90 [48.3]	.75 [19.1]	.94 [23.9]	U997 (1)	U997 (1)	997
YGHP58C2W-2TN								

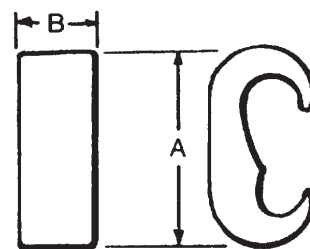
- ① Ground rod must be precrimped with die U2CABT (Index 348); for greater rotational resistance use UPRECRIMP die; Galvanized Steel Rods require YGHP58C2W-2TN
- ② Either tap position may be left void when fewer than (2) conductors are used
- ③ See Tooling Section in Master Catalog for complete tool and die listing
- ④ Use PUADP-1 with "U"-dies in Y46

NOTE: A 12" bend radius is recommended for the conductor

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.


IEEE-837


Catalog Number	① Commercial Copper Cable Range/ Ground Rod② to Copper Cable		Stranded Copper Metric Cable Range		A	B	Die Index No.	Installation Data			No. of Crimps
	Run	Tap	Run	Tap				Y750/Y35/ PAT750/Y39	③ Y45	④ Y46	
YGHC2C2	#6 Sol. (0.162) - #2 Str. (0.292) 1/4" Rod⑤	#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" Rod⑤	#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]	O	U-O	U-O	U-O	1
YGHC26C26	1 Str. (0.328) {98500} - 2/0 Str. (0.419) {98500} 3/8" Rod⑤	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]	O	U-O	U-O	U-O	1
YGHC29C26	3/0 Str. (0.470) {3/0 Str.} - 250 kcmil (0.575) {250 kcmil} 1/2" or 5/8" Rod⑤	6 Sol. (0.162) {59500} - 2/0 Str. (0.419) {98500}	95 mm² (12.5 mm) - 120 mm² (14.4 mm)	35 mm² (7.62 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" Rod⑤	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
YGHC34C26⑥	300 kcmil (0.630) {300 kcmil} - 500 kcmil (0.813) {500 kcmil} 3/4" Rod⑤	6 Sol. (0.162) {59500} - 2/0 Str. (0.419) {98500}	150 mm² (16 mm) - 240 mm² (20.35 mm)	35 mm² (7.62 mm) - 70 mm² (10.9 mm)	2.42 [62]	0.88 [22]	1011	U1011	S1011	P1011	2
YGHC34C29⑥	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
YGHC34C34⑥	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]	1.10 [28]	1011	U1011	S1011	P1011	3

①Dimensions in brackets { } represent lightning protection conductors

②For ground rod to wire applications, ground rod must be precrimped; see table for appropriate precrimp dies

③Where a "U" or "PU" die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used

④Where a "U" or "PU" die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used

⑤Ground rod to copper cable is UL467 Listed for direct burial in earth and concrete

⑥These connectors cannot be installed with the Y35 or Y39 HYPRESS™

NOTES:

Listed under UL486A for copper wire connectors

For connectors without PENETROX™ oxide inhibitor, add suffix "NP" to the end of the catalog number

(example: YGHC2C2-NP)

Ground Rod Dia.	PRECRIMP Dies	
1/2" [12.5 mm]	UPRECRIMP 12	U2CABT
5/8" [15.6 mm]	UPRECRIMP 58	
3/4" [18.8 mm]	UPRECRIMP 34	

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

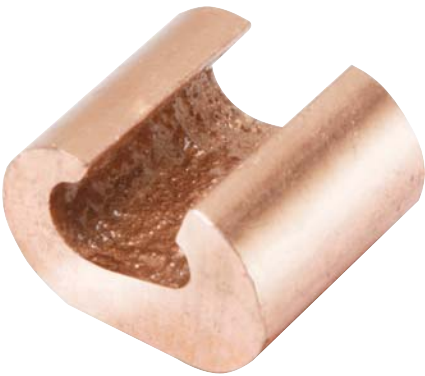
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE YGC

COPPER CRIMPIT™

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



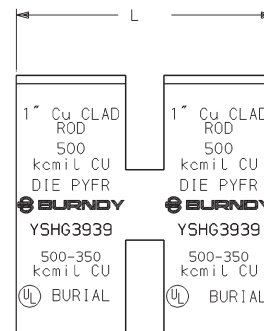
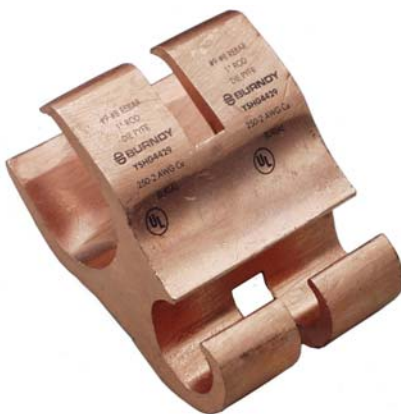
Catalog Number	Copper Conductor (Sol. & Str.)		H	L	Die Index	OUR840	MD6/MD7	Number of Crimps
	Run	Tap						
YGC8C8	8 [10mm²]	8 [10mm²]	0.46 [11.5]	0.52 [13.2]	162	W162	W162	2
YGC6C8	6 [16mm²]	8 [10mm²]	0.73 [18.5]	0.62 [15.7]	BG	XBG	WBG	2
YGC6C6	6 [16mm²]	6 [16mm²]	0.76 [19.3]	0.62 [15.7]	BG	XBG	WBG	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 & 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

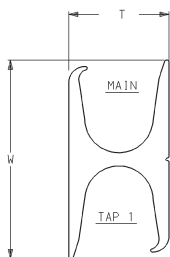


Fig. 1

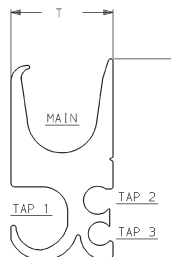


Fig. 2

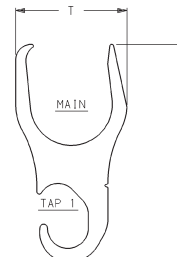


Fig. 3

Catalog Number	Fig #	Conductor Sizes				Tooling (# of crimps)		W	T	L	Die Index
		Main	Tap 1	Tap 2	Tap 3	PAT750/Y750	Y46				
YSHG4429	3	#9 & #8 Rebar, 1" [25] Ground Rod	250 [120 mm ²] - 2 [35 mm ²]	—	—	—	PYFR (2)	3.22 [81.8]	1.70 [75.4]	2.44 [61.9]	KR
YSHG3931 ^①	2	#6 Rebar, 1" [25] Cu Clad Ground Rod, 3/4" Ground Rod 500 [240 mm ²] - 350 kcmil [185 mm ²] Copper	4/0 [95 mm ²] - 1/0 [50 mm ²]	1 [35mm] - 6 [16mm]	2 [35mm] - 14 [2.5mm]	—	PYFR (2)	2.97 [75.4]	1.50 [38.1]	2.34 [59.4]	KR
YSHG3434	1	#6 Rebar, 3/4" [19] Ground Rod 400 [200mm ²] - 250 kcmil [120 mm ²] Copper	400 [200mm ²] - 4/0 [95 mm ²]	—	—	U1104 (4)	P1104 (2) ② U1104 (4)	2.43 [61.7]	1.15 [29.2]	2.44 [61.9]	1104
YSHG3429	2	#6 Rebar, 3/4" [19] Ground Rod 400 [200mm ²] - 4/0 kcmil [95 mm ²] Copper	3/0 [-95mm ²] - 1/0 [50mm ²]	1 [35mm] - 4 [25mm]	8 [10mm] - 14 [2.5mm]	U1104 (4)	P1104 (2) ② U1104 (4)	2.23 [56.6]	1.31 [33.3]	2.44 [61.9]	1104

① Not for use on 1" steel ground rod

② Use PUADP-1 adapter

Equivalent Metric Size given in []; Metric sizes provided for reference only.

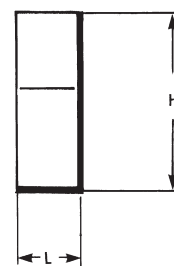
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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	L	Commercial Copper Cable Range	Nominal Ground Rod Dia.	Installation Tools, Die Set Catalog Number (# of Crimps)		
					PAT750/Y750/ Y35/Y39 ①	Y45 HYPRESS™ ①	Y46 HYPRESS™ ①
YGHR26C12	1.94 [49.3]	0.88 [22.4]	#2 Str. [34mm²] (.292 Dia.) - 2/0 Str. [67mm²] (.419 Dia.)	1/2" [12.7]	—	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR26C58	1.97 [50.0]			5/8" [15.9]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR26C34	2.19 [55.6]			3/4" [19.0]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR26C100 ④	2.55 [56.2]			1" [25.4]	U1011 (2) PU998 (1)	S1011 (2) S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR29C12	1.94 [49.3]		#4/0 Str. [107mm²] (.528 Dia.) - 250 kcmil [127mm²] (.575 Dia.)	1/2" [12.7]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR29C58	2.14 [54.4]			5/8" [15.9]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR29C34	2.19 [55.6]			3/4" [19.0]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR29C100 ④	2.45 [62.2]			1" [25.4]	U1011 (2) PU998 (1)	S1011 (2) S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR34C58	2.14 [54.4]		300 kcmil [152mm²] (.630 Dia.) - 500 kcmil [253mm²] (.813 Dia.)	5/8" [15.9]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR34C34 ④	2.44 [62.0]			3/4" [19.0]	U1011 (2) PU998 (1)	S1012 (2) ②PU998 (1)	P1011 (2) ③PU998 (1)
YGHR34C100 ④	2.45 [68.6]			1" [25.4]	U1011 (2) PU998 (1)	S1011 (2)	P1011 (2)

① Ground rod must be pre-crimped with die U2CABT (index 348) when the PU998 dies are used in the Y750, PAT750, Y35, Y39, Y45, Y46 and PAT46 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 connectors cannot be installed with the Y35 or Y39 HYPRESS™

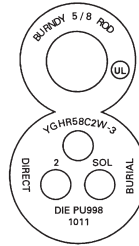
NOTES:

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. The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector. Complete die catalog numbers do not always appear on the connector, sometimes it is the die index.

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 & 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



TAP



RUN



RUN AND TAP

Catalog Number ^⑤	Ground Rod Diameter ^①	*Tap Conductor ^⑦	Installation Tools, Die Set Catalog Number (# of Crimps)		Die Index
			PAT750/Y750 ^③ Y35 ^④ /Y39	Y46 HYPRESS™ ^②	
YGHR58C2W-3	5/8" [15.9]	#2 Sol [35 mm ²] Copper 1, 2, or 3 may be connected	PU998 (1) ^⑥ U1011 (2)	PU998 (1) ^⑥ U1011 (2) P998 (1) P1011 (2)	998/1011

①Contact BURNDY® for other ground rod diameters

②PU998 and U1011 die sets require PUADP-1 adapter for use in the Y46 HYPRESS™

③The PAT750 and Y750 utilize PU dies and the U1011 die

④The Y35 only uses PU998 die

⑤To order electro-tin plated connector for use on galvanized steel ground rod add suffix "-TN" to the catalog number.

The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector

⑥Ground rod must be precrimped with die U2CABT (Index 348) when PU998 die set is used in the Y35, Y750 or Y46 HYPRESS™ tools; for even greater mechanical resistance use UPRECRIMP58 dies

⑦Tap positions may be left void when fewer than (3) conductors are used

Equivalent Metric Size given in []; Metric sizes provided for reference only.

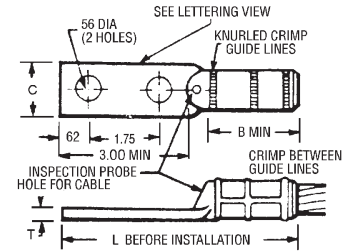
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 (# of Crimps) HYPRESS™ Y35/Y39/Y45①/Y46②/Y750/PAT750	B	C	L	T
YGHA2C-2N	2 [35 mm²]	U1CRT (1)	0.75 [19.0]	0.97 [24.6]	4.21 [106.9]	0.26 [6.6]
YGHA25-2N	1/0 [50 mm²]	U27RT (1)	0.83 [21.1]	0.91 [23.1]	4.6 [116.8]	0.19 [4.8]
YGHA26-2N	2/0 [70 mm²]	U28RT (1)	0.83 [21.1]	0.97 [24.6]	4.38 [111.3]	0.26 [6.6]
YGHA27-2N	3/0 [95 mm²]	U29RT (1)	1.18 [30]	1.08 [27.4]	4.94 [125.5]	0.29 [7.4]
YGHA28-2N	4/0 [95 mm²]	U30RT (2)	1.18 [30]	1.22 [31.0]	4.94 [125.5]	0.3 [7.6]
YGHA29-2N	250 [120 mm²]	U31RT (2)	1.18 [30]	1.28 [32.5]	4.94 [125.5]	0.34 [8.6]
YGHA31-2N	350 [185 mm²]	U34RT (2)	1.18 [30]	1.62 [41.1]	5 [127]	0.43 [10.9]
YGHA34-2N	500 [240 mm²]	U36RT (3)	1.48 [37.6]	1.72 [43.7]	5.42 [137.7]	0.4 [10.2]

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

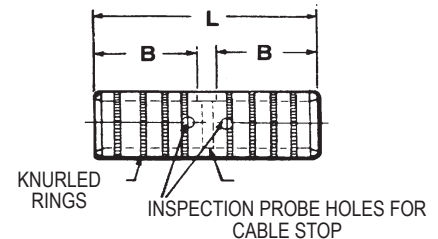
TYPE YGHS

HYLINK™

Heavy Duty Irreversible Compression Splices

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 (# of Crimps) HYPRESS™ Y35/Y39/Y45①/Y46②/Y750/PAT750	B	L
YGHS2C	2 [35 mm²]	U1CRT (1)	0.75 [19.1]	1.73 [43.9]
YGHS25	1/0 [50 mm²]	U27RT (1)	0.83 [21.1]	1.89 [48.0]
YGHS26	2/0 [70 mm²]	U28RT (1)	0.83 [21.1]	1.89 [48.0]
YGHS27	3/0 [95 mm²]	U29RT (1)	1.18 [30.0]	2.59 [65.8]
YGHS28	4/0 [95 mm²]	U30RT (2)	1.18 [30.0]	2.59 [65.8]
YGHS29	250 [120 mm²]	U31RT (2)	1.18 [30.0]	2.59 [65.8]
YGHS31	350 [185 mm²]	U34RT (2)	1.18 [30.0]	2.59 [65.8]
YGHS34	500 [240 mm²]	U36RT (3)	1.48 [37.6]	3.19 [81.0]

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.

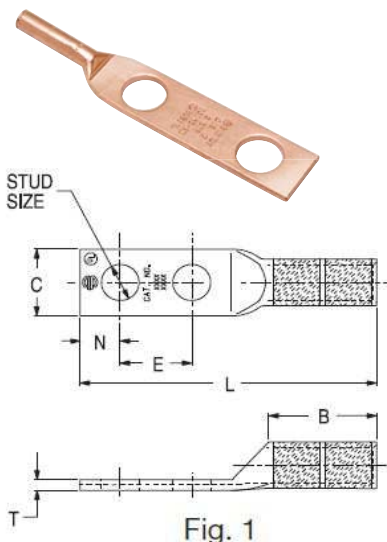


Fig. 1

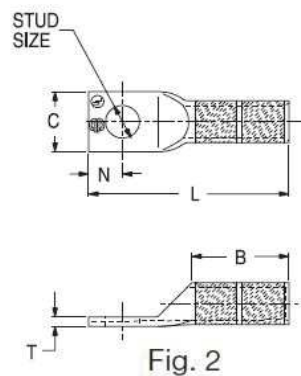


Fig. 2

Catalog Number	Figure #	Copper Conductor Size* (Sol. & Str.)	Installation Tools, Die Set Cat. No. and (# of Crimps)			Stud Size	B	C	L	T	E
			Mechanical		Hydraulic						
			Y2MR	MD7-34R or OUR840	Y35/Y39/Y45①/Y46②/ Y750/PAT750						
YGA8C-TC10	2	8 [10 mm²]	Red (4)	W8CVT (2) X8CRT (2)	U8CRT (2)	#10	0.81 [20.6]	0.41 [10.4]	1.57 [39.9]	0.08 [2]	—
YGA8C-TC14	2	8 [10 mm²]	Red (4)	W8CVT (2) X8CRT (2)	U8CRT (2)	1/4	0.81 [20.6]	0.44 [11.2]	1.69 [42.9]	0.08 [2]	—
YGA8C-TC516	2	8 [10 mm²]	Red (4)	W8CVT (2) X8CRT (2)	U8CRT (2)	5/16	0.81 [20.6]	0.51 [13]	1.75 [44.5]	0.06 [1.5]	—
YGA8C-2N	1	8 [10 mm²]	Red (4)	W8CVT (2) X8CRT (2)	U8CRT (2)	1/2	0.78 [19.8]	0.83 [21.1]	4.09 [103.9]	0.12 [3]	1.75 [44.5]
YGA6C-TC10	2	6 [16 mm²]	Blue (4)	W5CVT (2) X5CRT (2)	U5CRT (2)	#10	1.12 [28.4]	0.42 [10.7]	1.89 [48]	0.09 [2.3]	—
YGA6C-TC14	2	6 [16 mm²]	Blue (4)	W5CVT (2) X5CRT (2)	U5CRT (2)	1/4	1.12 [28.4]	0.45 [11.4]	2.02 [51.3]	0.08 [2]	—
YGA6C-TC516	2	6 [16 mm²]	Blue (4)	W5CVT (2) X5CRT (2)	U5CRT (2)	5/16	1.12 [28.4]	0.51 [13]	2.08 [52.8]	0.07 [1.8]	—
YGA6C-2TC38E2G1	1	6 [16 mm²]	Blue (4)	W5CVT (2) X5CRT (2)	U5CRT (2)	3/8	1.12 [28.4]	0.58 [14.7]	3.42 [86.9]	0.06 [1.5]	0.75 [19.1]
YGA6C-2N	1	6 [16 mm²]	Blue (4)	W5CVT (2) X5CRT (2)	U5CRT (2)	1/2	1.09 [27.7]	0.83 [21.1]	4.4 [111.8]	0.12 [3]	1.75 [44.5]
YGA2C-2TC38	1	2 [35 mm²]	Brown (4)	W2CRT (2) X2CRT (2)	U2CRT (2)	3/8	1.25 [31.8]	0.6 [15.2]	3.48 [88.4]	0.12 [3]	1 [25.4]
YGA2C-2N	1	2 [35 mm²]	Brown (4)	W2CRT (2) X2CRT (2)	U2CRT (2)	1/2	1.22 [31]	0.83 [21.1]	4.71 [119.6]	0.12 [3]	1.75 [44.5]
YGA25-2N	1	1/0 [50 mm²]	—	W25VT (4) X25RT (4)	U25RT (2)	1/2	1.35 [34.3]	0.83 [21.1]	4.81 [122.2]	0.12 [3]	1.75 [44.5]
YGA26-2N	1	2/0 [70 mm²]	—	W26VT (4) X26RT (4)	U26RT (2)	1/2	1.45 [36.8]	0.81 [20.6]	4.97 [126.2]	0.12 [3]	1.75 [44.5]
YGA28-2N	1	4/0 [95 mm²]	—	W28VT (4) X28RT (4)	U28RT (2)	1/2	1.57 [39.9]	1 [25.4]	5.17 [131.3]	0.14 [3.6]	1.75 [44.5]
YGA29-2N	1	250 [120 mm²]	—	W29VT (4)	U29RT (2)	1/2	1.57 [39.9]	1.09 [27.7]	5.21 [132.3]	0.16 [4.1]	1.75 [44.5]
YGA34-2N	1	500 [240 mm²]	—	W34VT (4)	U34RT (4)	1/2	2.2 [55.9]	1.52 [38.6]	6.08 [154.4]	0.23 [5.8]	1.75 [44.5]

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

Equivalent Metric Size given in []; Metric sizes provided for reference only.

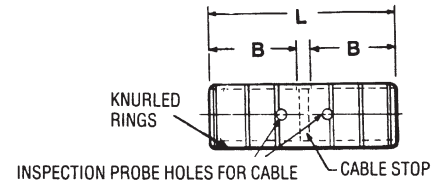
US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 and (# of Crimps)				B	L
		Mechanical			Hydraulic		
		Y2MR	MD7-34R	OUR840	Y35/Y39/45①/Y46②/ Y750/PAT750		
YGS8C	8 [10 mm²]	—	W8CRT, W8CVT	X8CRT	U8CRT (2)	0.78 [19.8]	1.75 [44.5]
YGS6C	6 [16 mm²]	—	W5CRT, W5CVT	X5CRT	U6CRT (2)	1.09 [27.7]	2.38 [60.5]
YGS2C	2 [35 mm²]	Brown (4)	W2CVT (2)	X2CVT (2)	U2CRT (2)	1.22 [31]	2.67 [67.8]
YGS25	1/0 [50 mm²]	—	W25VT (4)	X25RT (4)	U25RT (2)	1.35 [34.3]	2.97 [75.4]
YGS26	2/0 [70 mm²]	—	W26VT (4)	X26RT (4)	U26RT (2)	1.45 [36.8]	3.13 [79.5]
YGS28	4/0 [95 mm²]	—	W28VT (4)	X28RT (4)	U28RT (2)	1.57 [39.9]	3.37 [85.6]
YGS29	250 [120 mm²]	—	W29VT (4)	—	U29RT (2)	1.57 [39.9]	3.37 [85.6]
YGS34	500 [240 mm²]	—	W34VT (4)	—	U34RT (4)	2.2 [55.9]	4.63 [117.6]

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 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

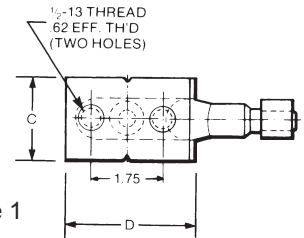


Figure 1



IEEE-837

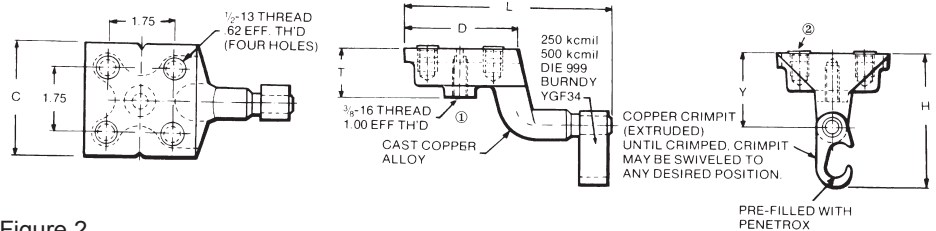


Figure 2

NOTES:

① This tapped hole may be used to position the grounding plate on a threaded rod prior to placement of the concrete. 3/8-16 thread with 1.00 EFF. Thread is standard. If other thread is required, add appropriate suffix code to catalog number. -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	Fig. #	C	D	H	L	T	Y	Copper Conductor Range	Tapped Holes		Installation Tools, Die Set Cat. No., and (# of Crimps)		
									Size	Hole Centers	HYPRESS™		
											PAT750/Y750/Y35/Y39	Y45①	Y46②
YGF29-2N	1	2 [50.8]	3.25 [82.6]	3.62 [91.9]	5.78 [146.8]	1.31 [33.3]	2 [50.8]	2 [35mm²]-250 [120mm²]	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF29-4N	2	3.25 [82.6]	3.25 [82.6]	3.62 [91.9]	5.78 [146.8]	1.31 [33.3]	2 [50.8]	2 [35mm²]-250 [120mm²]	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF34-2N③	1	2 [50.8]	3.25 [82.6]	4.62 [117.3]	5.4 [137.2]	1.31 [33.3]	2.19 [55.6]	250 [120mm²]-500 [240mm²]	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)
YGF34-4N③	2	3.75 [95.3]	3.75 [95.3]	4.62 [117.3]	5.9 [149.9]	1.31 [33.3]	2.19 [55.6]	250 [120mm²]-500 [240mm²]	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)

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 These connectors can only be installed using the Y750, Y45 or Y46 HYPRESS™ with recommended dies, they cannot be installed with the Y35 or Y39 HYPRESS™

TYPE YGIB

GROUNDLINK™

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 PIPEAMKIT 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. Connector shipped with thread protectin studs only. Order terminal mounting hardware (TMHG kits) separately.



IEEE-837

NOTES:

Terminals connector to be ordered separately. When I-beam connector is used with type YGHA terminal, the connection meets IEEE 837. 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 Diagrams 1 and 2 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™).

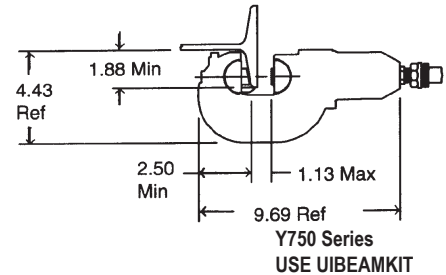
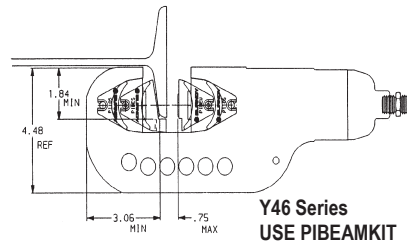
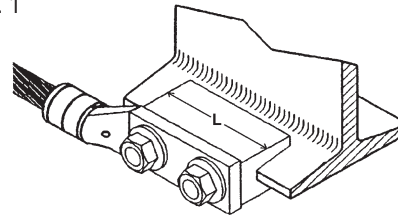
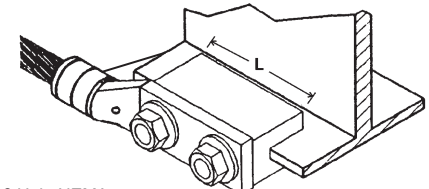


Fig. 1

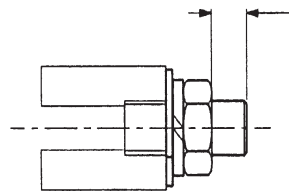


Standard Beams
(Flange Angled) use YGIBS

Fig. 2



2 Hole NEMA
Spacing
Wide Flange Beams
(Flange Parallel) use YGIBW



"T" Ref. Maximum
Terminal Pad
Thickness

TERMINAL MOUNTING HARDWARE

Catalog Number	"T"
TMHG-42	0.42
TMHG-92	0.92

Note: Use TMHG - 92 to double stack lugs

TYPE YGIB
GROUNDLINK™
(Continued)

Fig. 1

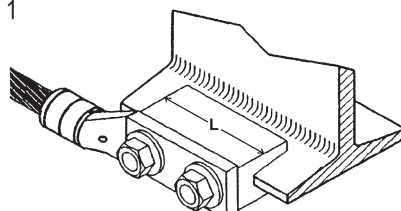
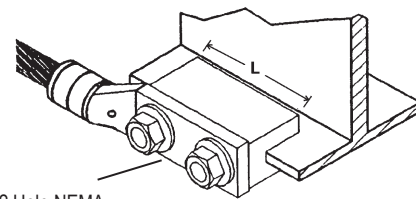

Standard Beams
(Flange Angled) use YGIBS

Fig. 2


2 Hole NEMA
Spacing

Wide Flange Beams
(Flange Parallel) use YGIBW

Catalog Number	Copper Conductor Range	Figure #	L	J	I-Beam Flange Thickness	Suggested Terminals		T
						Copper Conductor	Terminal	
YGIBS28-338-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.250" to .338"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.26
YGIBW28-338-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.19
YGIBS34-338-2N	250 [120 mm ²] - 500 [240 mm ²]	1	6.00	1/2-13		250 kcmil	YGHA29-2N	0.34
YGIBW34-338-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA34-2N	0.40
YGIBS28-400-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.338" to .400"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.19
YGIBW28-400-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.26
YGIBS34-400-2N	250 [120 mm ²] - 500 [240 mm ²]	1	6.00	1/2-13		250 kcmil	YGHA29-2N	0.34
YGIBW34-400-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA32-2N	0.40
YGIBS28-462-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.400" to .462"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.19
YGIBW28-462-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.19
YGIBS34-462-2N	250 [120 mm ²] - 500 [240 mm ²]	1	6.00	1/2-13		250 kcmil	YGHA29-2N	0.34
YGIBW34-462-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA34-2N	0.40
YGIBS28-550-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.462" to .550"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.19
YGIBW28-550-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.26
YGIBS34-550-2N	250 [120 mm ²] - 500 [240 mm ²]	1	6.00	1/2-13		250 kcmil	YGHA28-2N	0.34
YGIBW34-550-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA29-2N	0.40
YGIBS28-613-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.550" to .613"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.19
YGIBW28-613-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.26
YGIBW34-613-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA34-2N	0.40
YGIBS28-675-2N	2 [35 mm ²] - 4/0 [95 mm ²]	1	3.00	1/2-13	.613" to .675"	#2 Str. AWG 1/0 Str. AWG	YGHA2C-2N YGHA25-2N	0.19
YGIBW28-675-2N	2 [35 mm ²] - 4/0 [95 mm ²]	2	3.00	1/2-13		2/0 Str. AWG 4/0 Str. AWG	YGHA26-2N YGHA28-2N	0.26
YGIBS34-675-2N	250 [120 mm ²] - 500 [240 mm ²]	1	6.00	1/2-13		250 kcmil	YGHA29-2N	0.40
YGIBW34-675-2N	250 [120 mm ²] - 500 [240 mm ²]	2	6.00	1/2-13		500 kcmil	YGHA34-2N	0.40

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE GSTUD-HY

VERSITAIL™

Structural Steel
Grounding Connector

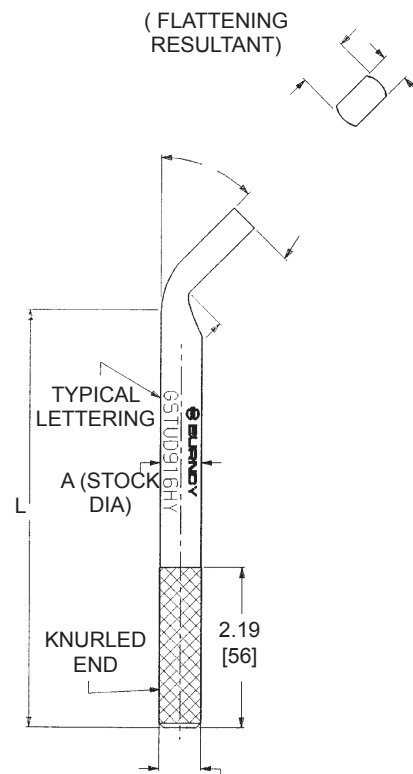
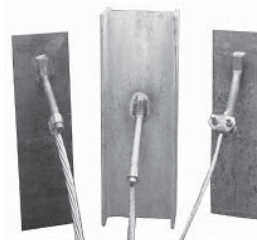
INSTALLATION

1. Weld the VERSITAIL™ to the steel member.
2. Select the proper connector for your specific application.

- **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™.
- **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 & Benefits

- 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 gasses 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
- Low installation cost.
- No drilling
- No cleaning
- No special preparation
- Low Carbon, hot rolled steel
- Pure copper plated finish



Catalog Number	Nom Rod Size	A	B	L	T	Electrical Equivalent Copper Conductor Size (AWG)*
GSTUD14HY	1/4" [6.4]	0.25 [6.4]	0.26 [6.6]	4.81 [122.2]	0.19 [4.8]	#6 [16mm²]
GSTUD38HY	3/8" [9.5]	0.38 [9.7]	0.39 [9.9]	5.81 [147.6]	0.25 [6.4]	#3 [25mm²]
GSTUD916HY	9/16" [14.3]	0.56 [14.2]	0.57 [14.5]	5.68 [144.3]	0.38 [9.7]	1/0 [50mm²]
GSTUD34HY	3/4" [19.1]	0.75 [19.1]	0.76 [19.3]	5.81 [147.6]	0.51 [13]	4/0 [95mm²]

* This is the equivalent rating for continuous service. Large conductors may be connected using both compression and bolted connectors in potential grounding 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.

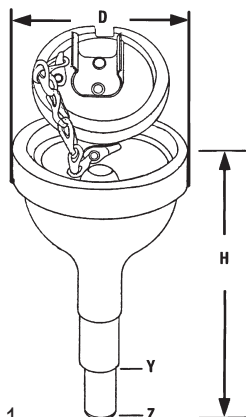


Fig. 1

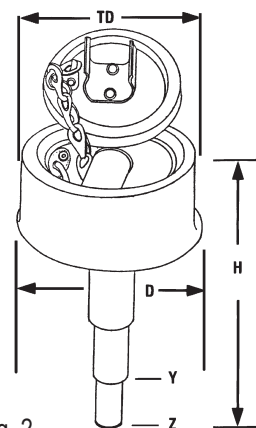


Fig. 2

Catalog Number	Figure #	HYGROUND® Connector	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 [139.7]	2.75 [69.9]	0.75 [19.1]	0.56 [14.2]	-
YTTAG388	2		6.5 [165.1]	4.75 [120.7]	0.75 [19.1]	0.56 [14.2]	4.3 [109.2]

NOTES:

Ground rod must be precrimped with U2CABT die set when PU998 die is used or for even higher mechanical resistance use special UPRECRIMP dies on ground rods. Precrimping of ground rod 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 the earth to provide support and provide correct level of receptacle prior to cement pour.

TYPE YG-B

Bus Bar Connector

The BURNDY® YG14B2TC2C6C Compression Bus Bar Connector is ideally suited for cellular tower applications 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 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.

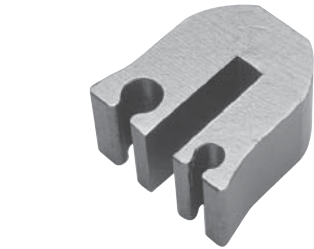


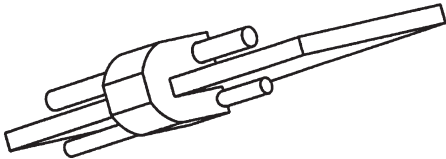
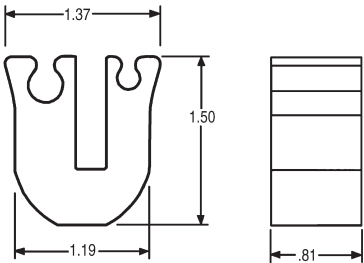
Fig. 1



Fig. 2



Fig. 3



Catalog Number	Fig #	Ground Bar Thickness	BusBar Tap Conductors ⁺	Tooling	Installation Die	# of Crimps
YG14B2TC2C6C	1	1/4"	#2 Sol and/or Str. Copper [35 mm ²] - #6 Sol and/or Str. Copper [16 mm ²]	PAT750, Y750	U1105	1
YG14B2TC2C2C*	2	1/4"	#2 [35 mm ²] - #2 [35 mm ²]	PAT750, Y750	U1105	1
YG14BTC28	3	1/4"	4/0 AWG [95 mm ²] Str. - 1/0 AWG [50 mm ²] Str.	PAT750, Y750	U1105	1

* For continuous uncut conductor applications

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

BURNDYWeld® QIKLITE™

BURNDYWeld® Weld Metal

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.



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

Features & 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 with 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	Description
QIKLITE	Battery Ignition System
QIKLITEKIT	QIKLITE™ Battery Ignition System and 20 QIKSTIK Ignitor Sticks

BURNDYWeld® 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.

Weld metal and steel discs are sold only in standard box quantities.

Features & Benefits

- 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.



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

Catalog Number	Description	Cartridges Per Box
15	Standard Cartridge	20
25	Standard Cartridge	20
32	Standard Cartridge	10
45	Standard Cartridge	20
65	Standard Cartridge	20
90	Standard Cartridge	10
115	Standard Cartridge	10
150	Standard Cartridge	10
200	Standard Cartridge	10
250	Standard Cartridge	10
500	Standard Cartridge	10

Catalog Number	Description	Cartridges Per Box
15CI	Cast Iron Cartridge	20
25CI	Cast Iron Cartridge	20
32CI	Cast Iron Cartridge	10
45CI	Cast Iron Cartridge	20
65CI	Cast Iron Cartridge	20
90CI	Cast Iron Cartridge	10
115CI	Cast Iron Cartridge	10

Catalog Number	Description	Cartridges Per Box
15CP	Cathodic Protection Cartridge	20
25CP	Cathodic Protection Cartridge	20
32CP	Cathodic Protection Cartridge	10
45CP	Cathodic Protection Cartridge	20
65CP	Cathodic Protection Cartridge	20

Catalog Number	Description	Cartridges Per Box
15R	Rail Cartridge	20
25R	Rail Cartridge	20
32R	Rail Cartridge	10
45R	Rail Cartridge	20
65R	Rail Cartridge	20
90R	Rail Cartridge	10
115R	Rail Cartridge	10
150R	Rail Cartridge	10
200R	Rail Cartridge	10
250R	Rail Cartridge	10
500R	Rail Cartridge	10

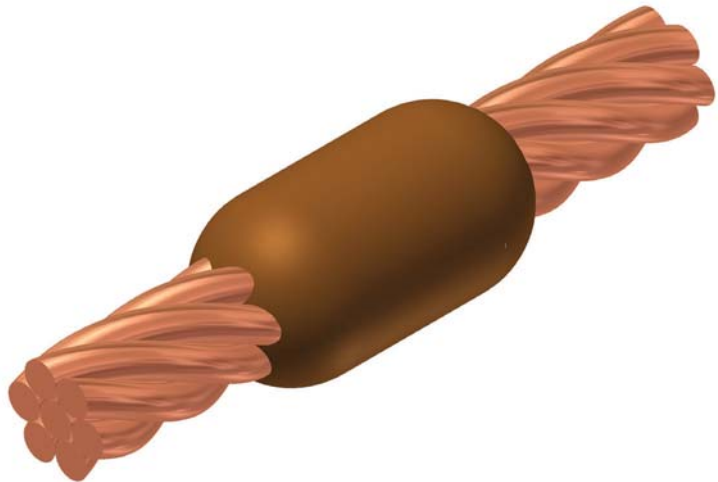
BCC-1 TYPE MOLDS

Horizontal End to End

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

Size range is 10mm² through 300mm² for metric conductors.

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



Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10038	4	15	B-106
16	B-10040	4	25	B-106
25	B-3004	4	32	B-106
30	B-2842	4	32	B-106
35	B-3005	4	32	B-106
50	B-3006	4	45	B-106
8 mm Dia.	B-2849	4	45	B-106
70	B-3008	4	65	B-106
10 mm Dia.	B-2910	4	65	B-106
95	B-3010	4	90	B-106
120	B-3011	4	115	B-106
150	B-3012	4	115	B-106
185	B-3013	4	150	B-106
240	B-3014	4	200	B-106
300	B-3015	4	250	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

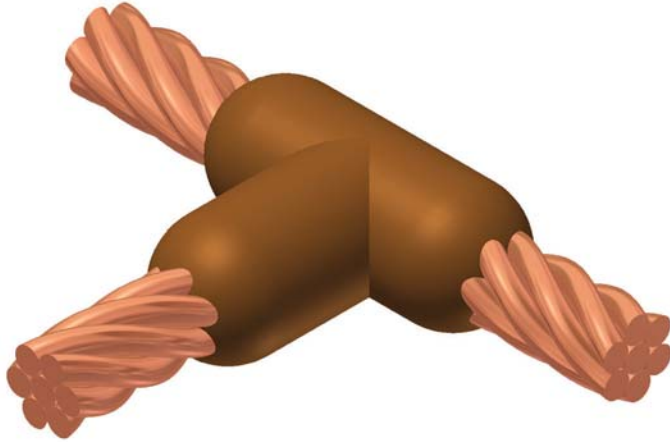
Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors.. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
10	10	B-10780	4	32	B-106
16	16	B-10781	4	32	B-106
25	25	B-3021	4	45	B-106
5.6 mm Dia.	5.6 mm Dia.	B-2914	4	45	B-106
30	30	B-2915	4	45	B-106
35	35	B-3022	4	45	B-106
	25	B-3023	4	45	B-106
8 mm Dia.	8 mm Dia.	B-2949	4	65	B-106
50	50	B-3024	4	90	B-106
	35	B-3025	4	65	B-106
	25	B-3026	4	65	B-106
10 mm Dia.	10 mm Dia.	B-2916	4	90	B-106
70	70	B-3031	4	90	B-106
	50	B-3033	4	90	B-106
	35	B-3034	4	65	B-106
	25	B-3035	4	65	B-106
95	95	B-3041	4	115	B-106
	70	B-3043	4	90	B-106
	50	B-3045	4	90	B-106
	35	B-3046	4	90	B-106
120	120	B-3047	4	150	B-106
	95	B-3048	4	150	B-106
	70	B-3051	4	90	B-106
	50	B-3052	4	90	B-106
150	150	B-3053	4	200	B-106
	120	B-3054	4	150	B-106
	95	B-3055	4	150	B-106
	70	B-3057	4	90	B-106

Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
185	185	B-3059	4	200	B-106
	150	B-3060	4	200	B-106
	120	B-3061	4	200	B-106
	95	B-3062	4	150	B-106
240	240	B-3065	4	2-150	B-106
	185	B-3066	4	200	B-106
	150	B-3067	4	200	B-106
	120	B-3068	4	200	B-106
300	300	B-3071	5	2-200	B-107
	240	B-3072	5	2-200	B-107
	185	B-3073	4	250	B-106
	150	B-3074	4	200	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

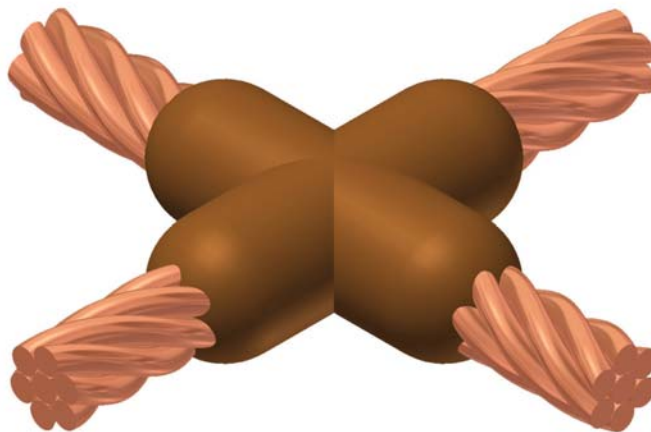
Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
10	10	B-10856	4	32	B-106
16	16	B-10782	4	45	B-106
25	25	B-3147	4	45	B-106
30	30	B-2926	4	45	B-106
35	35	B-3148	4	65	B-106
	25	B-3149	4	65	B-106
8 mm Dia.	8 mm Dia.	B-2950	4	90	B-106
50	50	B-3150	4	90	B-106
	35	B-3151	4	90	B-106
	25	B-3152	4	90	B-106
10 mm Dia.	10 mm Dia.	B-2928	4	115	B-106
70	70	B-3157	4	115	B-106
	50	B-3159	4	115	B-106
	35	B-3160	4	115	B-106
	25	B-3161	4	115	B-106
	95	B-3167	4	150	B-106
95	70	B-3169	4	150	B-106
	50	B-3171	4	115	B-106
	35	B-3172	4	115	B-106
	120	B-3173	4	200	B-106
120	95	B-3174	4	200	B-106
	70	B-3176	4	150	B-106
	50	B-3178	4	150	B-106
	150	B-3179	4	250	B-106
150	120	B-3180	4	250	B-106
	95	B-3181	4	200	B-106
	70	B-3183	4	150	B-106

Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
185	185	B-3185	4	250	B-106
	150	B-3186	4	250	B-106
	120	B-3187	4	250	B-106
	95	B-3188	4	200	B-106
240	240	B-3191	5	500	B-107
	185	B-3192	5	2-200	B-107
	150	B-3193	5	2-200	B-107
	120	B-3194	5	2-150	B-107
300	300	B-3197	5	3-200	B-107
	240	B-3198	5	3-200	B-107
	185	B-3199	5	500	B-107
	150	B-3200	5	500	B-107
	120	B-3201	5	2-200	B-107
	95	B-3202	5	2-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

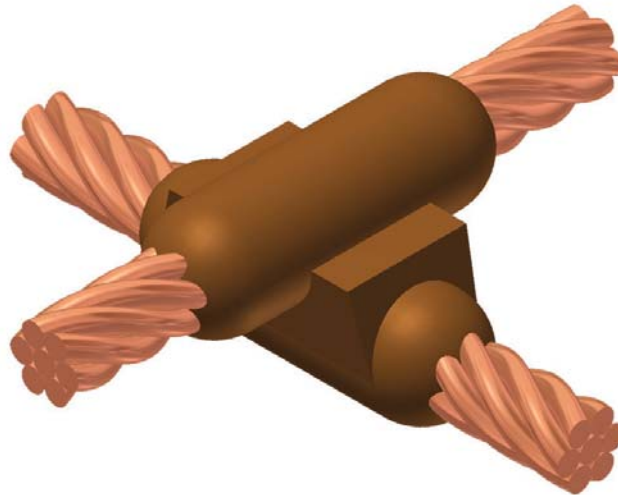
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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 25mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
25	25	B-8762	4	65	B-106
35	35	B-4980	4	90	B-106
50	50	B-4981	22	150	B-106
70	70	B-4060	22	200	B-106
95	95	B-3732	22	250	B-106
120	120	B-4289	22	2-150	B-106
150	150	B-4749	23	2-200	B-107
185	185	B-4145	23	500	B-107
240	240	B-3044	23	3-200	B-107
300	300	B-3392	23	2-500	B-107

NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

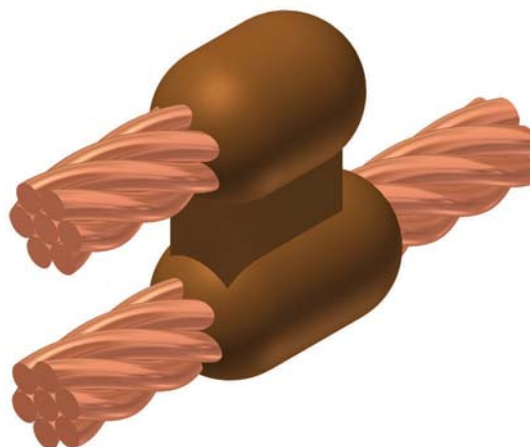
B38-0135-00 Cable Cleaning Brush

B38-0330-00 Cable Clamp

BCC-6 TYPE MOLDS

Horizontal Parallel Tap

BCC-6 Type Molds are used to join horizontal parallel tap to run connections. The tap cable is over the run cable. Size range is 10mm² through 120mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
10	10	B-10783	4	25	B-106
16	16	B-9993	4	32	B-106
25	25	B-2971	4	45	B-106
30	30	B-3269	4	65	B-106
35	35	B-3432	4	65	B-106
	25	B-4254	4	65	B-106
50	50	B-4260	4	90	B-106
	35	B-4290	4	65	B-106
	25	B-4291	4	65	B-106
70	70	B-3234	4	115	B-106
	50	B-4292	4	115	B-106
	35	B-3237	4	90	B-106
	25	B-3238	4	90	B-106
95	95	B-4302	4	150	B-106
	70	B-4303	4	115	B-106
	50	B-4311	4	115	B-106
	35	B-4319	4	115	B-106
120	120	B-4325	4	200	B-106
	95	B-4337	4	200	B-106
	70	B-4338	4	150	B-106
	50	B-4347	4	115	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

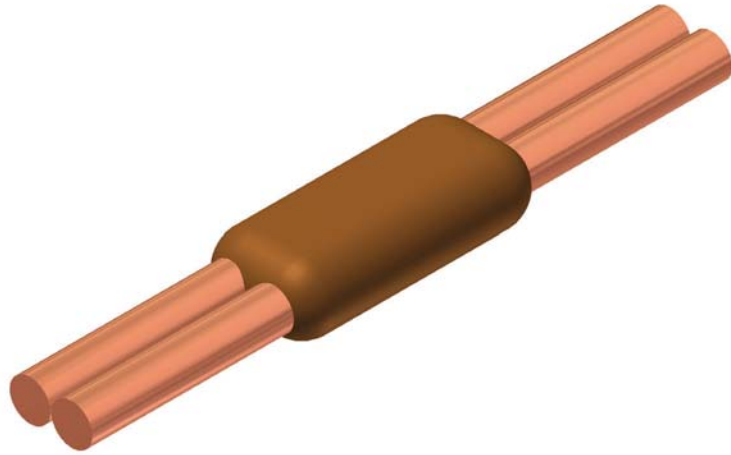
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

BCC-14 TYPE MOLDS

Horizontal Parallel through Cables

BCC-14 Type Molds are used to join horizontal parallel through run cables. Cables run side by side in the mold. Size range is 10mm² through 120mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
10	10	B-10698	4	45	B-106
16	16	B-10699	4	65	B-106
25	25	B-10700	4	45	B-106
30	30	B-10701	4	45	B-106
35	35	B-10702	4	65	B-106
	25	B-10703	4	65	B-106
8 mm Dia.	8 mm Dia.	B-10704	4	90	B-106
50	50	B-10237	4	90	B-106
	35	B-3128	4	90	B-106
	25	B-10705	4	90	B-106
10 mm Dia.	10 mm Dia.	B-10706	4	115	B-106
70	70	B-4689	4	90	B-106
	50	B-10707	4	90	B-106
	35	B-10708	4	90	B-106
	25	B-10709	4	90	B-106
95	95	B-3126	4	200	B-106
	70	B-10710	4	150	B-106
	50	B-3127	4	150	B-106
	35	B-10711	4	115	B-106
120	120	B-8677	4	200	B-106
	95	B-10239	4	200	B-106
	70	B-10712	4	200	B-106
	50	B-10238	4	150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

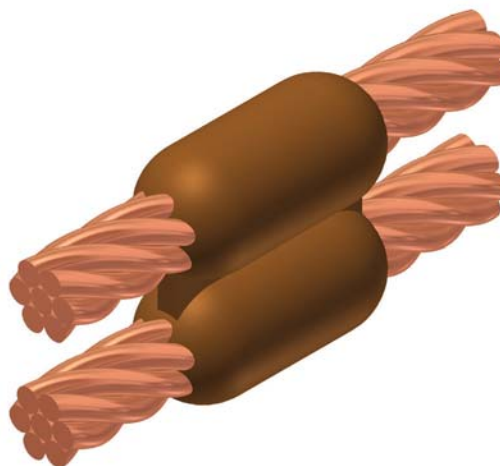
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

BCC-7 TYPE MOLDS

Horizontal Parallel through Cables

BCC-7 Type Molds are used to join horizontal parallel through run cables. One cable runs above the other cable in the mold. Size range is 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
10	10	B-10784	4	25	B-106
16	16	B-10785	4	32	B-106
25	25	B-3254	4	45	B-106
30	30	B-4348	4	45	B-106
35	35	B-3255	4	65	B-106
	25	B-3256	4	65	B-106
8 mm Dia.	8 mm Dia.	B-4643	4	90	B-106
50	50	B-3257	4	90	B-106
	35	B-3258	4	90	B-106
	25	B-3259	4	65	B-106
10 mm Dia.	10 mm Dia.	B-4350	4	115	B-106
70	70	B-3264	4	115	B-106
	50	B-3266	4	115	B-106
	35	B-3267	4	90	B-106
	25	B-3268	4	90	B-106
95	95	B-3274	4	150	B-106
	70	B-3276	4	115	B-106
	50	B-3278	4	115	B-106
	35	B-3279	4	115	B-106
120	120	B-3280	4	200	B-106
	95	B-3281	4	200	B-106
	70	B-3283	4	150	B-106
	50	B-3285	4	150	B-106

Cable Size (mm ²)		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
150	150	B-3286	5	2-150	B-107
	120	B-3287	4	250	B-106
	95	B-3288	4	200	B-106
	70	B-3290	4	150	B-106
185	185	B-3292	5	2-150	B-107
	150	B-3293	5	2-150	B-107
	120	B-3294	4	250	B-106
	95	B-3295	4	200	B-106
240	240	B-3298	5	2-200	B-107
	185	B-3299	5	2-150	B-107
	150	B-3300	5	2-150	B-107
	120	B-3301	4	250	B-106
300	300	B-3304	5	500	B-107
	240	B-3305	5	500	B-107
	185	B-3306	5	2-200	B-107
	150	B-3307	5	2-150	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

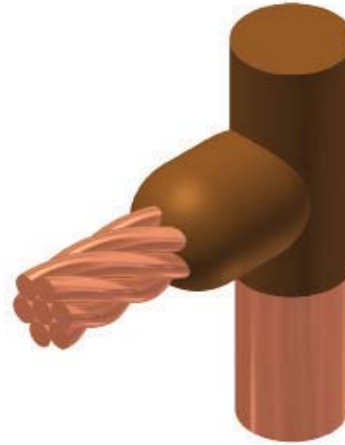
B38-0135-00 Cable Cleaning Brush

B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors; 12.8mm through 17.2mm for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Ground Rod (mm)	Tap (mm ²)				
12.8	10	B-10786	4	45	B-106
	16	B-10787	4	65	B-106
	25	B-3321	4	65	B-106
	5.6 mm Dia.	B-4351	4	65	B-106
	30	B-4352	4	65	B-106
	35	B-3322	4	65	B-106
	50	B-3323	4	65	B-106
	8 mm Dia.	B-4644	4	65	B-106
	70	B-3325	4	90	B-106
	95	B-3327	4	90	B-106
	120	B-3328	4	90	B-106
14.3	5.6 mm Dia.	B-4381	4	65	B-106
	25	B-3336	4	65	B-106
	30	B-4392	4	65	B-106
	35	B-3337	4	65	B-106
	50	B-3338	4	90	B-106
	8 mm Dia.	B-4412	4	90	B-106
	70	B-3340	4	90	B-106
	95	B-3342	4	90	B-106
	120	B-3343	4	90	B-106
	150	B-3344	4	115	B-106
	185	B-3345	4	115	B-106
	240	B-3346	4	150	B-106

Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Gr Rod (mm)	Tap (mm ²)				
17.2	25	B-3354	4	90	B-106
	30	B-4413	4	90	B-106
	35	B-3355	4	90	B-106
	50	B-3356	4	90	B-106
	8 mm Dia.	B-4414	4	90	B-106
	70	B-3358	4	90	B-106
	95	B-3360	4	90	B-106
	120	B-3361	4	90	B-106
	150	B-3362	4	115	B-106
	185	B-3363	4	115	B-106
	240	B-3364	4	150	B-106
	300	B-3365	4	200	B-106

NOTES:

- 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 handle catalog number

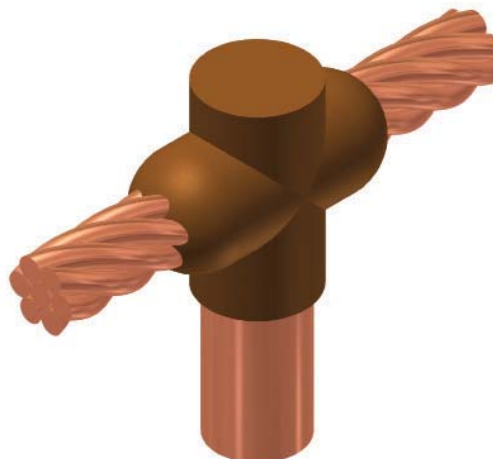
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors; 12.8mm through 17.2mm for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Ground Rod (mm)	Tap (mm ²)				
12.8	10	B-10788	4	65	B-106
	16	B-10789	4	90	B-106
	25	B-3372	4	90	B-106
	5.6 mm Dia.	B-4486	4	90	B-106
	30	B-4503	4	90	B-106
	35	B-3373	4	90	B-106
	50	B-3374	4	90	B-106
	8 mm Dia.	B-4881	4	90	B-106
	70	B-3376	4	90	B-106
	95	B-3378	4	115	B-106
	120	B-3379	4	150	B-106

NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

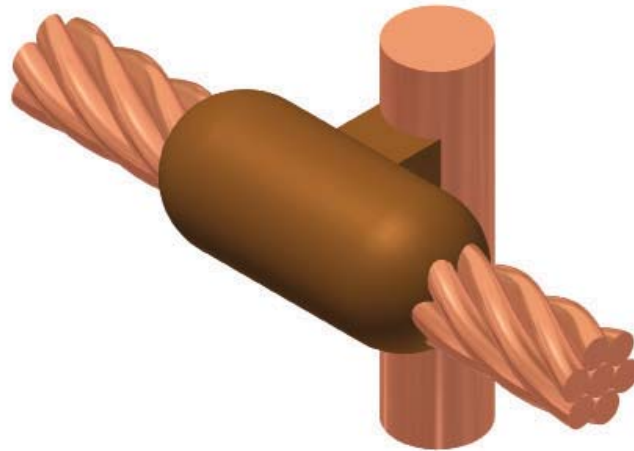
B38-0330-00 Cable Clamp

Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Ground Rod (mm)	Tap (mm ²)				
14.3	5.6 mm Dia.	B-4505	4	65	B-106
	25	B-3387	4	65	B-106
	30	B-4513	4	65	B-106
	35	B-3388	4	65	B-106
	50	B-3389	4	90	B-106
	8 mm Dia.	B-4515	4	90	B-106
	70	B-3391	4	90	B-106
	95	B-3393	4	90	B-106
	120	B-3394	4	90	B-106
	150	B-3395	4	115	B-106
	185	B-3396	4	115	B-106
	240	B-3397	4	150	B-106
	25	B-3405	4	90	B-106
	30	B-4518	4	90	B-106
17.2	35	B-3406	4	90	B-106
	50	B-3407	4	115	B-106
	8 mm Dia.	B-4645	4	115	B-106
	70	B-3409	4	115	B-106
	95	B-3411	4	115	B-106
	120	B-3412	4	150	B-106
	150	B-3413	4	200	B-106
	185	B-3414	4	200	B-106
	240	B-3415	4	250	B-106
	300	B-3416	5	2-150	B-106

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 10mm² through 300mm² for metric conductors; 12.8mm through 17.2mm for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Ground Rod (mm)	Tap (mm ²)				
12.8	10	B-10790	24	65	B-106
	16	B-10791	24	90	B-106
	25	B-2804	24	90	B-106
	5.6 mm Dia.	B-2805	24	90	B-106
	30	B-2808	24	90	B-106
	35	B-2813	24	90	B-106
	50	B-2815	24	115	B-106
	8 mm Dia.	B-2816	24	115	B-106
	70	B-2818	24	115	B-106
	95	B-2819	24	115	B-106
	120	B-2821	24	150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

Cable/Rod		Mold Number	Price Key	Weld Metal	Handle Clamps
Ground Rod (mm)	Tap (mm ²)				
14.3	5.6 mm Dia.	B-2823	24	90	B-106
	30	B-2824	24	90	B-106
	35	B-2826	24	115	B-106
	50	B-2827	24	115	B-106
	8 mm Dia.	B-2828	24	115	B-106
	70	B-2829	24	115	B-106
	95	B-2831	24	115	B-106
	120	B-2837	24	150	B-106
	150	B-2838	24	150	B-106
14.3	185	B-2839	24	250	B-106
	240	B-2840	13	2-200	B-107
17.2	30	B-2841	24	90	B-106
	35	B-2844	24	90	B-106
	50	B-2845	24	115	B-106
	8 mm Dia.	B-2846	24	115	B-106
	70	B-2847	24	150	B-106
	95	B-2848	24	150	B-106
	120	B-4882	24	200	B-106
	150	B-2850	24	250	B-106
	185	B-2851	13	2-200	B-107
	240	B-2852	13	500	B-107
	300	B-2853	13	3-200	B-107

SINGLE SHOT MOLDS

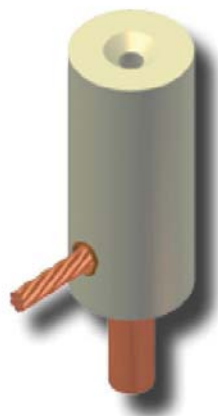
RUS Accepted

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.

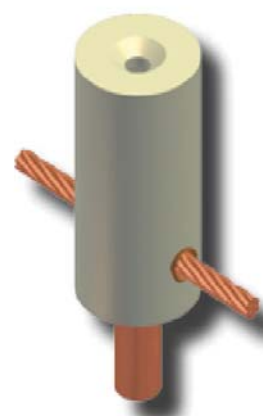
Ground Rod Size (mm)	Cable Size (mm²)	Mold Number	Type
12.8	2.5 - 6	B-8968	BCR-1
	10 -16	B-8969	BCR-1
	25 - 35	B-8970	BCR-1
	2.5 - 6	B-8971	BCR-2
	10 -16	B-8972	BCR-2
	25 - 35	B-8973	BCR-2

Ground Rod Size (mm)	Cable Size (mm²)	Mold Number	Type
14.3	2.5 - 6	B-8974	BCR-1
	10 -16	B-8975	BCR-1
	25 - 35	B-8976	BCR-1
	50	B-8977	BCR-1
	2.5 - 6	B-8979	BCR-2
	10 -16	B-8980	BCR-2
	25 - 35	B-8981	BCR-2
	50	B-8982	BCR-2
	10 -16	B-8984	BCR-25
	25 - 35	B-8985	BCR-25
	50	B-8986	BCR-25

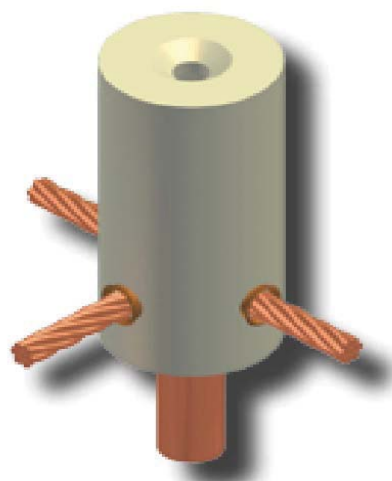
Ground Rod Size (mm)	Cable Size (mm²)	Mold Number	Type
17.2	2.5 - 6	B-8987	BCR-1
	10 -16	B-8988	BCR-1
	25 - 35	B-8989	BCR-1
	50	B-8990	BCR-1
	70	B-8991	BCR-1
	2.5 - 6	B-8992	BCR-2
	10 -16	B-8993	BCR-2
	25 - 35	B-8994	BCR-2
	50	B-8995	BCR-2
	2.5 - 6	B-8996	BCR-25
	10 -16	B-8997	BCR-25
	25 - 35	B-8998	BCR-25
	50	B-8999	BCR-25



BCR-1



BCR-2



BCR-25

NOTES:

- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

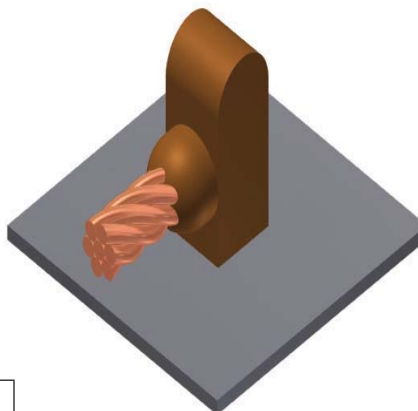
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 8mm Dia. through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
8 mm Dia.	B-4527	4	90	B-106
50	B-3419	4	90	B-106
10 mm Dia.	B-4529	4	90	B-106
70	B-3421	4	90	B-106
95	B-3423	4	115	B-106
120	B-3424	4	115	B-106
150	B-3425	4	150	B-106
185	B-3426	4	200	B-106
240	B-3427	4	200	B-106
300	B-3428	4	250	B-106

NOTES:

- 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 handle catalog number

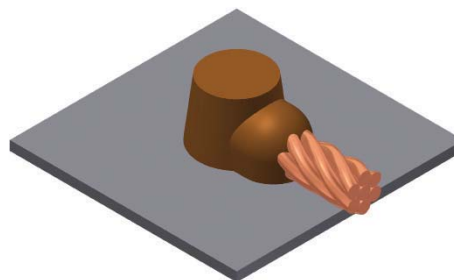
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

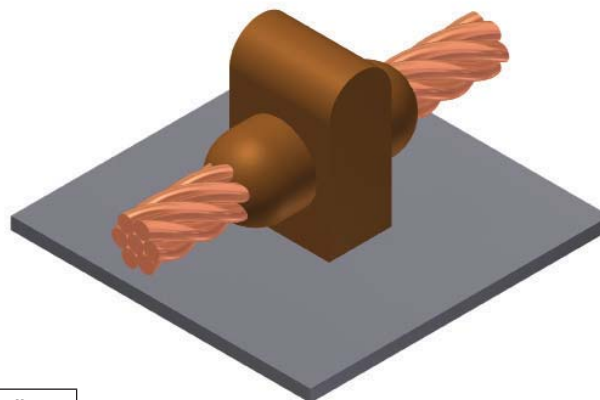
① Sold complete with handles; **B38-0309-00** Flint ignitor included

Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10792	3 ①	45	N/A
16	B-10264	3 ①	45	N/A
25	B-3479	3 ①	45	N/A
30	B-4530	3 ①	45	N/A
35	B-3480	3 ①	45	N/A
8 mm Ø	B-4534	3 ①	45	N/A
50	B-3481	3 ①	45	N/A
10 mm Ø	B-4536	3 ①	65	N/A
70	B-3483	3 ①	65	N/A
95	B-3485	4	90	B-106
120	B-3486	4	115	B-106
150	B-3487	4	150	B-106
185	B-3488	4	200	B-106
240	B-3489	4	200	B-106
300	B-3490	4	250	B-106

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 8mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
8 mm Dia.	B-4537	4	90	B-106
50	B-4538	4	90	B-106
10 mm Dia.	B-4551	4	115	B-106
70	B-4552	4	115	B-106
95	B-4560	4	115	B-106
120	B-4585	4	150	B-106
150	B-4592	4	200	B-106
185	B-4602	4	250	B-106
240	B-4617	5	2-150	B-107
300	B-4622	5	2-200	B-107

NOTES:

- 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 handle catalog number

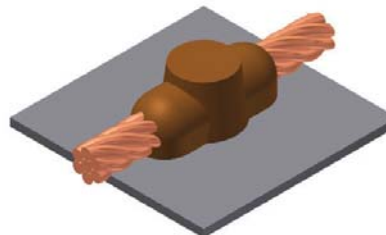
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10793	3 ①	45	N/A
16	B-10794	3 ①	45	N/A
25	B-3496	3 ①	45	N/A
30	B-4638	3 ①	45	N/A
35	B-3497	3 ①	45	N/A
8 mm Dia.	B-4641	4	90	B-106
50	B-3498	4	90	B-106
10 mm Dia.	B-4653	4	115	B-106
70	B-3500	4	115	B-106
95	B-3502	4	115	B-106
120	B-3503	4	150	B-106
150	B-3504	4	200	B-106
185	B-3505	4	250	B-106
240	B-3506	4	2-150	B-107
300	USE TYPE BCS - 2			

NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

① Sold complete with handles; **B38-0309-00** Flint ignitor included

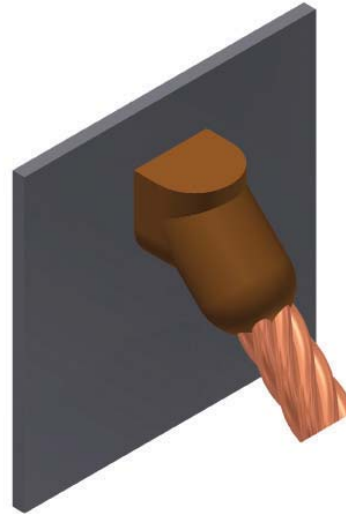
Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

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 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0330-00 Cable Clamp

① Flat Surface Mold; For connections to pipe, contact BURNDY®

Cable Size (mm ²) ①	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10795	4	45	B-106
16	B-10796	4	45	B-106
25	B-3445	4	45	B-106
30	B-4670	4	45	B-106
35	B-3446	4	45	B-106
8 mm Dia.	B-4672	4	90	B-106
50	B-3447	4	90	B-106
10 mm Dia.	B-4691	4	115	B-106
70	B-3449	4	90	B-106
95	B-3451	4	115	B-106
120	B-3452	4	115	B-106
150	B-3453	4	115	B-106
185	B-3454	4	200	B-106
240	B-3455	4	200	B-106
300	B-3456	4	250	B-106

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 10mm² through 300mm² for metric conductors. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- 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 handle catalog number

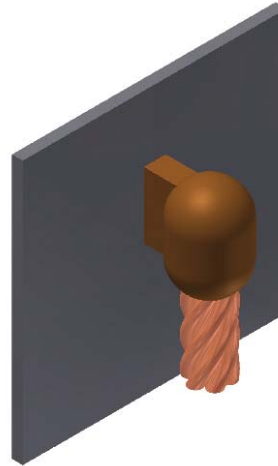
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0330-00 Cable Clamp



Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-3070	4	45	B-106
16	B-10797	4	65	B-106
25	B-4679	4	65	B-106
30	B-10798	4	65	B-106
35	B-4114	4	65	B-106
8 mm Dia.	B-10799	4	65	B-106
50	B-3140	4	115	B-106
70	B-4678	4	115	B-106
95	B-4601	4	150	B-106
120	B-3747	4	200	B-106
150	B-3080	4	200	B-106
185	B-9823	4	250	B-106
240	B-10800	17	2-150	B-106
300	B-10801	17	2-150	B-106

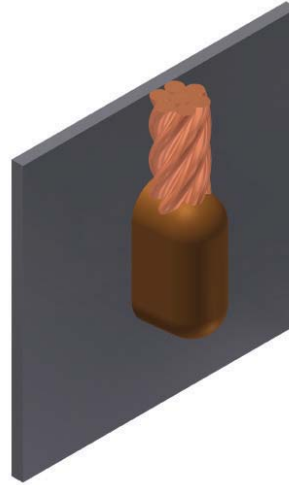
TYPE BCS-7 MOLDS

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 10mm² through 300mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

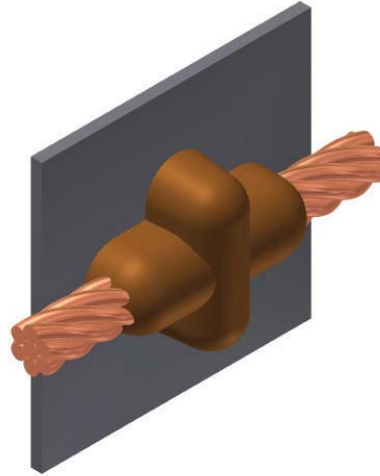
B38-0330-00 Cable Clamp

Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10802	4	65	B-106
16	B-10803	4	65	B-106
25	B-3462	4	65	B-106
30	B-4701	4	65	B-106
35	B-3463	4	65	B-106
8 mm Dia.	B-4752	4	90	B-106
50	B-3464	4	90	B-106
10 mm Dia.	B-4769	17	150	B-106
70	B-3466	17	150	B-106
95	B-3468	17	200	B-106
120	B-3469	17	200	B-106
150	B-3470	17	250	B-106
185	B-3471	6	2-150	B-107
240	B-3472	6	2-150	B-107
300	B-3473	6	2-200	B-107

TYPE BCS-27 MOLDS

Horizontal Thru Cable to Vertical Steel Surface

Type BCS-27 Molds are used to join horizontal thru cable to a vertical steel surface. Note that the cable is **ON** the surface. Size range is 10mm² through 300mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10804	4	45	B-106
16	B-3522	4	45	B-106
25	B-3523	4	45	B-106
30	B-4779	4	45	B-106
35	B-3524	4	45	B-106
8 mm Dia.	B-4780	4	65	B-106
50	B-3525	4	65	B-106
10 mm Dia.	B-4833	4	115	B-106
70	B-3527	4	115	B-106
95	B-3529	4	150	B-106
120	B-3530	4	150	B-106
150	B-4757	17	200	B-106
185	B-4834	5	250	B-107
240	B-4835	5	2-150	B-107
300	B-2803	5	2-200	B-107

TYPE BCS-32 MOLDS

Cable to Horizontal Steel Pipe

Type BCS-32 Molds are used to join horizontal thru cable to a horizontal steel pipe. Size range is 2mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

† Sold complete with frame

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

B38-4129-00 Packing Material for 50 mm² & Larger Molds

Cable Size (mm²)	Pipe Dia. in mm	Mold Number	Price Key	Weld Metal	Handle Clamps
2.5, 4 & 6	up to 125	B-4146‡	3†	15CP	Includes Optional Magnetic Mold Support
2.5, 4 & 6	over 125	B-4147‡	3†	15CP	
10	up to 125	B-4148	3†	15CP	
	over 125	B-4149	3†	15CP	
16	up to 125	B-4146	3†	15CP	
	over 125	B-4147	3†	15CP	
25	up to 70	B-4152	3†	25CP	
	70 to 165	B-4153	3†	25CP	
	over 165	B-4154	3†	25CP	
30	up to 70	B-2833	3†	32CP	
	70 to 165	B-2834	3†	32CP	
	165 to 250	B-2835	3†	32CP	
	over 250	B-2836	3†	32CP	
35	up to 70	B-4155	3†	32CP	
	70 to 165	B-4156	3†	32CP	
	165 to 250	B-4157	3†	32CP	
	over 250	B-4158	3†	32CP	
50	up to 70	B-4159	3†	45CP	
	70 to 165	B-4160	3†	45CP	
	165 to 250	B-4161	3†	45CP	
	over 250	B-4162	3†	45CP	
70	up to 70	B-4163	3†	65CP	
	70 to 165	B-4164	3†	65CP	
	165 to 250	B-4165	3†	65CP	
	over 250	B-4166	3†	65CP	
‡ 38-4590 Sleeve/Weld required / † Sold complete with frame					

TYPE BCS-33 MOLDS

Cable to Horizontal CI Pipe

Type BCS-33 Molds are used to join horizontal thru cable to a horizontal cast iron pipe. Size range is 2mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm²)	Pipe Dia. in mm	Mold Number	Price Key	Weld Metal	Handle Clamps
2.5, 4 & 6	Flat Surface or 750 Dia and above pipe	B-4188‡	3†	25CI	Includes Optional Magnetic Mold Support
10		B-10024	3†	25CI	
16		B-10805	3†	45CI	
25		B-4191	3†	45CI	
35		B-4192	3†	45CI	
50		B-4193	3†	45CI	
70		B-2868	3†	65CI	
‡ 38-4590 Sleeve/Weld required / † Sold complete with frame					

NOTE: DO NOT use Type BCS-33 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.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

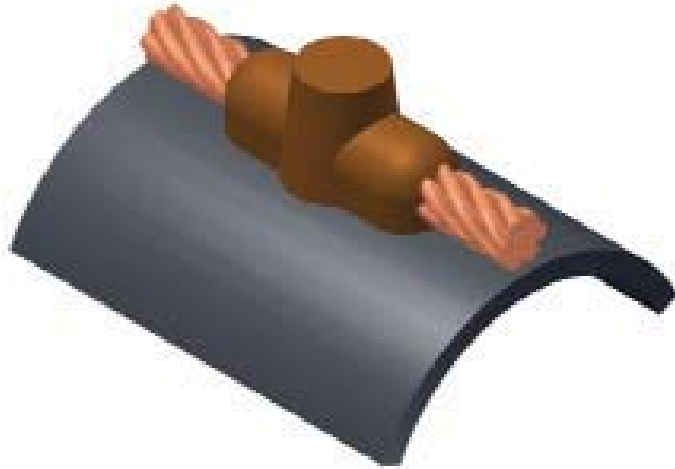
B38-0101-00 Rasp

B38-4129-00 Packing Material for 50 mm² & Larger Molds

TYPE BCS-34 MOLDS

Cable to Horizontal Steel Surface

Type BCS-34 Molds are used to join horizontal thru cable to a horizontal steel surface. Size range is 2mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

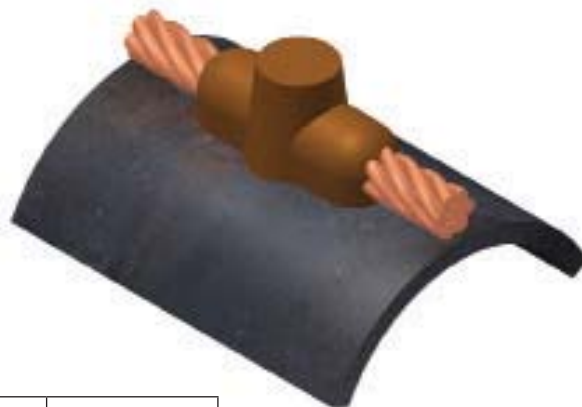
B38-4129-00 Packing Material for 50 mm² & Larger Molds

Cable Size (mm²)	Pipe Dia. in mm	Mold Number	Price Key	Weld Metal	Handle Clamps
2.5, 4 & 6	up to 105	B-4167‡	3†	25CP	Includes Optional Magnetic Mold Support
2.5, 4 & 6	over 105	B-4168‡	3†	25CP	
10	up to 105	B-10806	3†	25CP	
	over 105	B-10807	3†	25CP	
16	up to 105	B-10808	3†	25CP	
	over 105	B-10809	3†	25CP	
25	up to 70	B-4173	3†	32CP	
	70 to 165	B-4174	3†	32CP	
	over 165	B-4175	3†	32CP	
30	up to 70	B-4176	3†	45CP	
	70 to 165	B-4177	3†	45CP	
	165 to 250	B-4178	3†	45CP	
	over 250	B-4179	3†	45CP	
35	up to 70	B-4180	3†	65CP	
	70 to 165	B-4181	3†	65CP	
	165 to 250	B-4182	3†	65CP	
	over 250	B-4183	3†	65CP	
50	up to 70	B-4159	3†	45CP	
	70 to 165	B-4160	3†	45CP	
	165 to 250	B-4161	3†	45CP	
	over 250	B-4162	3†	45CP	
70	up to 70	B-4163	3†	65CP	
	70 to 165	B-4164	3†	65CP	
	165 to 250	B-4165	3†	65CP	
	over 250	B-4166	3†	65CP	
‡ 38-4590 Sleeve/Weld required / † Sold complete with frame					

TYPE BCS-35 MOLDS

Cable to Horizontal Cast Iron Pipe

Type BCS-35 Molds are used to join horizontal thru cable to a horizontal cast iron pipe. Size range is 2mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm²)	Pipe Dia. in mm	Mold Number	Price Key	Weld Metal	Handle Clamps
2.5, 4 & 6	Flat Surface or 750 Dia and above pipe	B-2876‡	3†	32CI	Includes Optional Magnetic Mold Support
10		B-10810	3†	32CI	
16		B-10811	3†	45CI	
25		B-2884	3†	45CI	
35		B-2887	3†	45CI	
50		B-2889	3†	65CI	
70		B-2890	3†	65CI	
‡ 38-4590 Sleeve/Weld required / † Sold complete with frame					

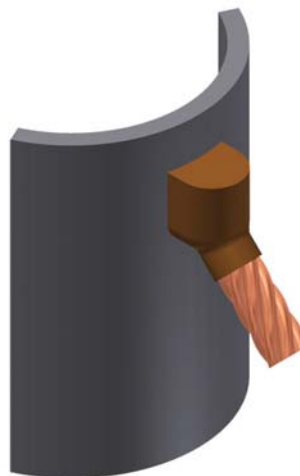
NOTE: DO NOT use Type BCS-35 molds on Soil Pipe (ASTM A74-82).

A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects

TYPE BCS-36 MOLDS

Cable to Vertical Steel Surface

Type BCS-36 Molds are used for connecting copper cable to vertical steel surfaces. Size range is 10mm² through 300mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp
B38-4129-00 Packing Material for 50 mm² & Larger Molds

Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10721	18	15CP	40-4565-00
16	B-10722	18	25CP	40-4565-00
25	B-4274	18	32CP	40-4565-00
30	B-10723	18	32CP	40-4565-00
35	B-9878	18	32CP	40-4565-00
50	B-10724	18	65CP	40-4565-00
70	B-10725	18	65CP	40-4565-00

TYPE BCS-37 MOLDS

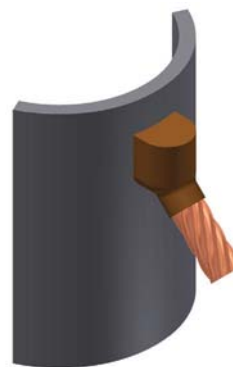
Cable to Vertical Cast Iron Surface

Type BCS-37 Molds are used for connecting copper cable to vertical cast iron surfaces. Size range is 10mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

Cable Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	B-10726	18	45CI	40-4565-00
16	B-10727	18	45CI	40-4565-00
25	B-10728	18	45CI	40-4565-00
30	B-10729	18	45CI	40-4565-00
35	B-10730	18	45CI	40-4565-00
8 mm Dia.	B-10731	18	65CI	40-4565-00
50	B-10732	18	65CI	40-4565-00
10 mm Dia.	B-10733	18	65CI	40-4565-00
70	B-10734	18	2-45CI	40-4565-00

NOTES:

- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®



NOTE: DO NOT use Type BCS-37 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

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp
B38-4129-00 Packing Material for 50 mm² & Larger Molds

TYPE BCB-33 MOLDS

Cable to Horizontal lug or bus

Type BCB-33 Molds are used for connecting copper cable to 2 hole lug. Size range is 25mm² through 240mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

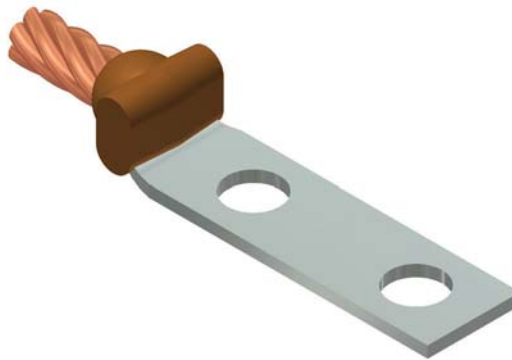
- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp
B38-4129-00 Packing Material for 50 mm² & Larger Molds

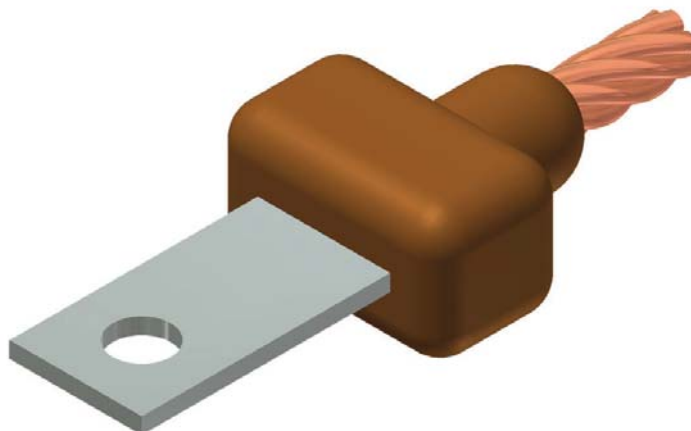


Cable Size (mm ²)	Lug Size	Mold Number	Price Key	Weld Metal	Handle Clamps
25	3.18 X 25.4	B-10735	4	32	B-106
35	3.18 X 25.4	B-10736	4	32	B-106
50	3.18 X 25.4	B-10737	4	45	B-106
70	3.18 X 25.4	B-4915	4	45	B-106
95	4.76 X 25.4	B-10738	4	65	B-106
120	4.76 X 25.4	B-4284	4	65	B-106
150	6.35 X 25.4	B-10739	4	90	B-106
185	6.35 X 25.4	B-10740	4	90	B-106
240	6.35 X 25.4	B-10741	4	150	B-106

TYPE BCB-1 MOLDS

Cable to Horizontal lug or bus

Type BCB-1 Molds are used for connecting copper cable to horizontal lug or bus. Size range is 10mm² through 70mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size (mm ²)	Lug Size	Mold Number	Price Key	Weld Metal	Handle Clamps
10	2 X 20	B-10812	4	32	B-106
16	2 X 20	B-10813	4	32	B-106
25	2 X 20	B-3534	4	32	B-106
35	2 X 20	B-3535	4	32	B-106
30	2 X 25	B-3536	4	45	B-106
50	2 X 25	B-3537	4	45	B-106
	3 X 25	B-3538	4	65	B-106
8 mm Dia.	2 X 25	B-3539	4	45	B-106
	3 X 25	B-3540	4	65	B-106
70	3 X 25	B-3541	4	65	B-106
	4 X 25	B-3544	4	65	B-106
10 mm Dia.	3 X 25	B-3545	4	65	B-106
	4 X 25	B-3548	4	65	B-106
95	4 X 25	B-3549	4	90	B-106
	5 X 25	B-3550	4	90	B-106
120	5 X 25	B-3551	4	90	B-106
	5 X 30	B-3552	4	115	B-106
150	5 X 30	B-3553	4	115	B-106
	5 X 40	B-3554	4	150	B-106
185	5 X 40	B-3555	4	150	B-106
	5 X 50	B-3556	5	200	B-107
240	5 X 50	B-3557	5	200	B-107
	6 X 50	B-3558	5	2-150	B-107
300	6 X 50	B-3559	5	2-150	B-107
	8 X 50	B-3560	5	2-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp
B38-4129-00 Packing Material for 50 mm² & Larger Molds

TYPE BCB-4 MOLDS

Cable to Horizontal Bus

Type BCB-4 Molds are used for connecting horizontal cable tap to horizontal bus. Size range is 10mm² through 300mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

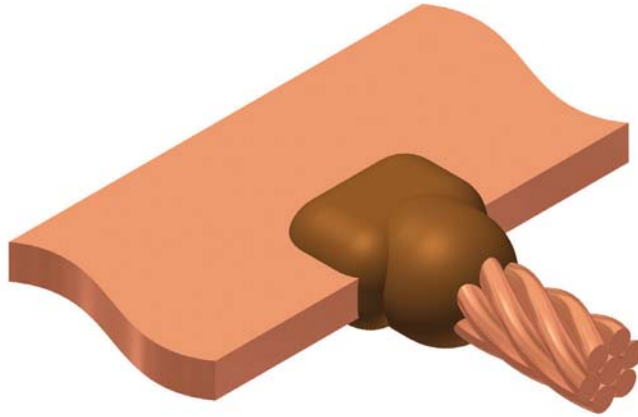
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

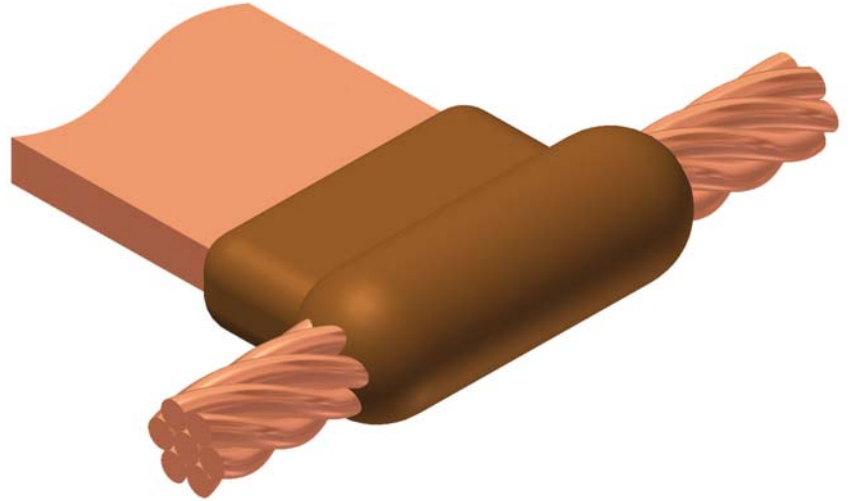


Cable Size (mm ²)	Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	2 X 20	B-10814	4	25	B-106
16	2 X 20	B-10815	4	32	B-106
25	2 X 20	B-3563	4	25	B-106
35	2 X 20	B-3565	4	32	B-106
30	2 X 25	B-3566	4	45	B-106
50	2 X 25	B-3567	4	45	B-106
	3 X 25	B-3568	4	45	B-106
8 mm Dia.	2 X 25	B-3569	4	45	B-106
	3 X 25	B-3570	4	45	B-106
70	3 X 25	B-3571	4	65	B-106
	4 X 25	B-3572	4	65	B-106
10 mm Dia.	3 X 25	B-3575	4	65	B-106
	4 X 25	B-3576	4	65	B-106
95	4 X 25	B-3579	4	90	B-106
	5 X 25	B-3580	4	90	B-106
120	5 X 25	B-3581	4	90	B-106
	5 X 30	B-3582	4	115	B-106
150	5 X 30	B-3583	4	115	B-106
	5 X 40	B-3584	4	115	B-106
185	5 X 40	B-3585	4	150	B-106
	5 X 50	B-3586	4	150	B-106
240	5 X 50	B-3587	4	200	B-106
	6 X 50	B-3588	4	250	B-106
300	6 X 50	B-3589	5	2-150	B-107
	8 X 50	B-3590	5	2-200	B-107

TYPE BCB-5 MOLDS

Cable to Horizontal Bus

Type BCB-5 Molds are used for connecting horizontal cable tap to horizontal bus. Size range is 10mm² through 300mm² metric copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

Cable Size (mm ²)	Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
10	2 X 20	B-10816	4	45	B-106
16	2 X 20	B-10817	4	45	B-106
25	2 X 20	B-3595	4	45	B-106
35	2 X 20	B-3596	4	45	B-106
30	2 X 25	B-3597	4	65	B-106
50	2 X 25	B-3598	4	65	B-106
	3 X 25	B-3599	4	65	B-106
8 mm Dia.	2 X 25	B-3600	4	65	B-106
	3 X 25	B-3601	4	65	B-106
70	3 X 25	B-3602	4	90	B-106
	4 X 25	B-3603	4	115	B-106
10 mm Dia.	3 X 25	B-3606	4	115	B-106
	4 X 25	B-3607	4	150	B-106
95	4 X 25	B-3610	4	150	B-106
	5 X 25	B-3611	4	150	B-106
120	5 X 25	B-3612	4	150	B-106
	5 X 30	B-3613	4	200	B-106
150	5 X 30	B-3614	4	200	B-106
	5 X 40	B-3615	4	250	B-106
185	5 X 40	B-3616	4	250	B-106
	5 X 50	B-3617	5	2-150	B-107
240	5 X 50	B-3618	5	2-150	B-107
	6 X 50	B-3619	5	2-200	B-107
300	6 X 50	B-3620	5	2-250	B-107
	8 X 50	B-3621	5	2-250	B-107

TYPE BBB-1 MOLDS

Horizontal Bus End to End

Type BBB-1 Molds are used for connecting horizontal bus end to another horizontal bus end. Size range is 2x20 mm² through 10x80 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

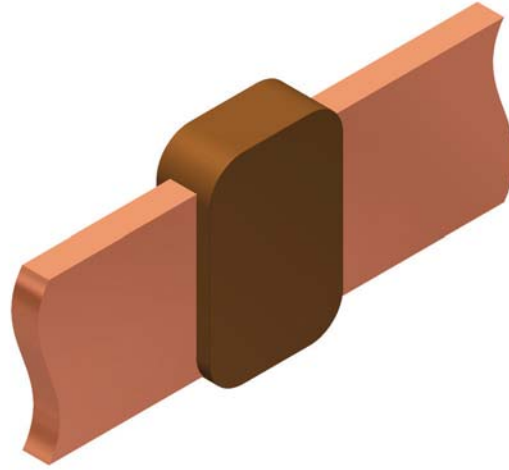
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp



Bus Bar Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-3628	4	45	B-106
2 X 25	B-3629	4	65	B-106
2 X 30	B-3630	4	65	B-106
3 X 20	B-3631	4	45	B-106
3 X 25	B-3632	4	65	B-106
3 X 30	B-3633	4	90	B-106
3 X 40	B-3634	4	115	B-106
4 X 25	B-3635	4	90	B-106
4 X 30	B-3636	4	115	B-106
4 X 40	B-3637	4	150	B-106
5 X 30	B-3638	4	115	B-106
5 X 40	B-3639	4	150	B-106
5 X 50	B-3640	4	200	B-106
6 X 40	B-3641	4	200	B-106
6 X 50	B-3642	4	250	B-106
6 X 60	B-3643	4	250	B-106
6 X 80	B-3644	5	2-200	B-107
8 X 50	B-3645	5	2-150	B-107
8 X 60	B-3646	5	2-200	B-107
8 X 80	B-3647	5	500	B-107
10 X 60	B-3648	5	500	B-107
10 X 80	B-3649	5	3-200	B-107

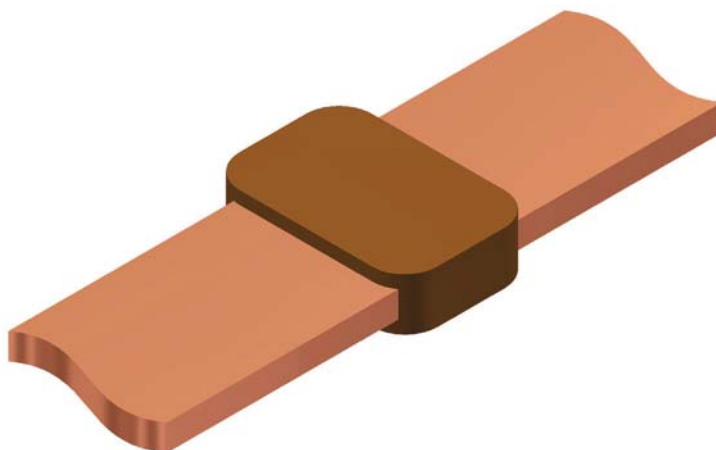
TYPE BBB-7 MOLDS

Horizontal Flat Bus End to End

Type BBB-7 Molds are used for connecting horizontal flat bus end to another horizontal flat bus end. Size range is 2x20 mm² through 10x60 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-3804	4	45	B-106
2 X 25	B-3805	4	45	B-106
2 X 30	B-3806	4	65	B-106
3 X 20	B-3807	4	45	B-106
3 X 25	B-3808	4	65	B-106
3 X 30	B-3809	4	65	B-106
3 X 40	B-3810	4	65	B-106
3 X 50	B-3811	4	90	B-106
4 X 20	B-3812	4	65	B-106
4 X 25	B-3813	4	90	B-106
4 X 30	B-3814	4	90	B-106
4 X 40	B-3815	4	115	B-106
5 X 20	B-3816	4	90	B-106
5 X 25	B-3817	4	90	B-106
5 X 30	B-3818	4	115	B-106
5 X 40	B-3819	4	150	B-106
5 X 50	B-3820	5	200	B-107
6 X 25	B-3821	4	115	B-106
6 X 30	B-3822	4	150	B-106
6 X 40	B-3823	4	200	B-106
6 X 50	B-3824	5	250	B-107
6 X 60	B-3825	5	2-150	B-107
8 X 50	B-3826	5	2-150	B-107
8 X 60	B-3827	5	2-200	B-107
10 X 50	B-3828	5	2-200	B-107
10 X 60	B-3829	5	500	B-107

TYPE BBB-3 MOLDS

Vertical Drop Tap to Horizontal Run

Type BBB-3 Molds are used for a vertical drop tap to horizontal run. Size range is 2x20 mm² through 10x80 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

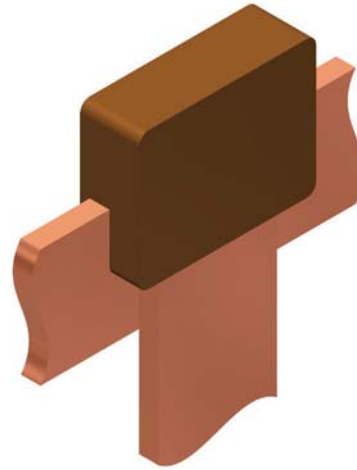
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

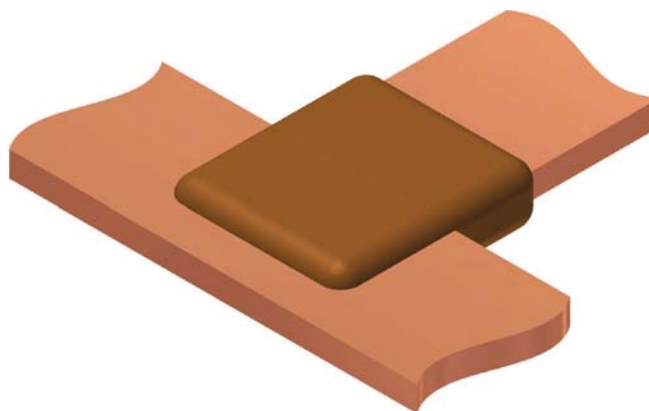


Bus Bar Size (mm ²)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-3703	4	45	B-106
2 X 25	B-3704	4	65	B-106
2 X 30	B-3705	4	65	B-106
3 X 20	B-3706	4	65	B-106
3 X 25	B-3707	4	65	B-106
3 X 30	B-3708	4	90	B-106
3 X 40	B-3709	4	115	B-106
4 X 25	B-3710	4	90	B-106
4 X 30	B-3711	4	115	B-106
4 X 40	B-3712	4	150	B-106
5 X 30	B-3713	4	115	B-106
5 X 40	B-3714	4	150	B-106
5 X 50	B-3715	4	200	B-106
6 X 40	B-3716	4	200	B-106
6 X 50	B-3717	4	250	B-106
6 X 60	B-3718	5	2-150	B-107
6 X 80	B-3719	6	2-200	B-107
8 X 50	B-3720	4	2-150	B-106
8 X 60	B-3721	5	2-200	B-107
8 X 80	B-3722	6	500	B-107
10 X 60	B-3723	5	500	B-107
10 X 80	B-3724	6	3-200	B-107

TYPE BBB-14 MOLDS

Horizontal Flat Bus Run & Tap

Type BBB-14 Molds are used for a vertical bus to another horizontal bus. Size range is 2x20 mm² through 10x60 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.



NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-3831	4	45	B-106
2 X 25	B-3832	4	45	B-106
2 X 30	B-3833	4	65	B-106
3 X 20	B-3834	4	45	B-106
3 X 25	B-3835	4	65	B-106
3 X 30	B-3836	4	65	B-106
3 X 40	B-3837	4	90	B-106
4 X 20	B-3838	4	65	B-106
4 X 25	B-3839	4	90	B-106
4 X 30	B-3840	4	90	B-106
4 X 40	B-3841	4	115	B-106
5 X 20	B-3842	4	90	B-106
5 X 25	B-3843	4	90	B-106
5 X 30	B-3844	4	115	B-106
5 X 40	B-3845	4	150	B-106
5 X 50	B-3846	5	200	B-107
6 X 40	B-3847	4	200	B-106
6 X 50	B-3848	5	250	B-107
6 X 60	B-3849	5	2-150	B-107
8 X 50	B-3850	5	2-150	B-107
8 X 60	B-3851	5	2-200	B-107
10 X 60	B-3852	5	500	B-107

TYPE BBB-40 MOLDS

Horizontal Flat Bus Cross

Type BBB-40 Molds are used for a cross connection of horizontal flat bus. Size range is 3x25 mm² and 6x25 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

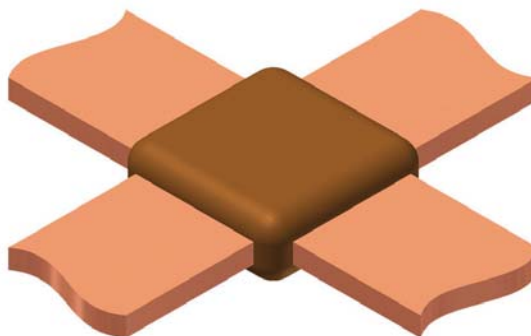
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

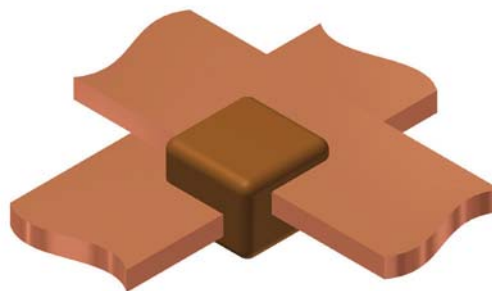


Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
3 X 25	B-3748	4	150	B-106
6 X 25	B-4966	5	2-150	B-107

TYPE BBB-41 MOLDS

Horizontal to Horizontal Flat Bus

Type BBB-41 Molds are used for a cross connection of horizontal flat bus. Size range is 2x20 mm² and 10x60 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.



Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-9807	4	45	B-106
2 X 25	B-4344	4	65	B-106
2 X 30	B-9796	4	65	B-106
3 X 20	B-9797	4	65	B-106
3 X 25	B-4935	4	65	B-106
3 X 30	B-9798	4	90	B-106
3 X 40	B-10848	4	115	B-106
3 X 50	B-4123	4	115	B-106
4 X 20	B-9811	4	115	B-106
4 X 25	B-9800	4	90	B-106
4 X 30	B-9801	4	90	B-106
4 X 40	B-9802	4	150	B-106
5 X 20	B-10849	4	115	B-106
5 X 25	B-6902	4	115	B-106
5 X 30	B-9803	4	115	B-106
5 X 40	B-9804	4	150	B-106
5 X 50	B-9805	5	200	B-106

Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
6 X 25	B-9386	4	200	B-106
6 X 30	B-10850	4	200	B-106
6 X 40	B-9767	4	200	B-106
6 X 50	B-3370	5	250	B-107
6 X 60	B-10851	5	2-150	B-107
8 X 50	B-10852	5	2-200	B-107
8 X 60	B-10853	5	500	B-107
10 X 50	B-10854	5	500	B-107
10 X 60	B-10855	5	3-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

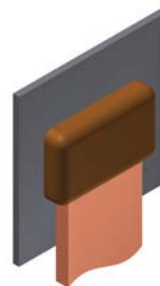
B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp

TYPE BBS-1 MOLDS

Vertical Tap to Vertical Steel Surface

Type BBS-1 Molds are used for a vertical tap connection to vertical steel surface. Size range is 2X20 mm² and 10x80 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.



Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-4066	4	65	B-106
2 X 25	B-4067	4	90	B-106
2 X 30	B-4068	4	90	B-106
3 X 20	B-4069	4	65	B-106
3 X 25	B-4070	4	90	B-106
3 X 30	B-4071	4	90	B-106
3 X 40	B-4072	4	150	B-106
4 X 25	B-4073	4	90	B-106
4 X 30	B-4074	4	115	B-106
4 X 40	B-4075	4	200	B-106
5 X 30	B-4076	4	150	B-106
5 X 40	B-4077	4	200	B-106
5 X 50	B-4078	4	250	B-106

Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
6 X 40	B-4079	4	250	B-106
6 X 50	B-4080	5	2-150	B-107
6 X 60	B-4081	5	2-200	B-107
6 X 80	B-4082	5	500	B-107
8 X 50	B-4083	5	2-200	B-107
8 X 60	B-4084	5	500	B-107
8 X 80	B-4085	5	3-200	B-107
10 X 60	B-4086	5	3-200	B-107
10 X 80	B-4087	5	3-250	B-107

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp

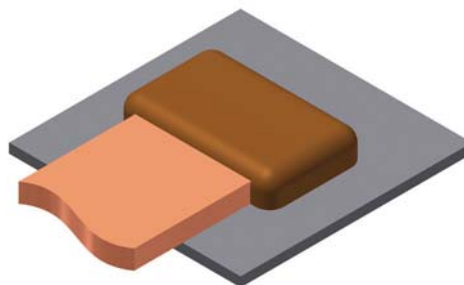
NOTES:

- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

TYPE BBS-2 MOLDS

Horizontal Tap to Horizontal Steel Surface

Type BBS-2 Molds are used for connecting a horizontal bus tap connection to horizontal steel surface. Size range is 2X20 mm² and 8x50 mm² for copper bus bars. Contact BURNDY® for information on molds for conductors not listed below.



Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-4090	4	65	B-106
2 X 25	B-4091	4	90	B-106
3 X 20	B-4092	4	90	B-106
3 X 25	B-4093	4	90	B-106
3 X 30	B-4094	4	115	B-106
3 X 40	B-4095	4	115	B-106
4 X 25	B-4096	4	90	B-106
4 X 30	B-4097	4	150	B-106
4 X 40	B-4098	4	200	B-106
5 X 30	B-4099	4	200	B-106
5 X 40	B-4100	4	200	B-106
5 X 50	B-4101	5	2-150	B-107

Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
6 X 40	B-4102	4	250	B-106
6 X 50	B-4103	5	2-150	B-107
8 X 50	B-4104	5	2-200	B-107

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp

NOTES:

- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

TYPE BBS-3 MOLDS

Horizontal Thru Bar to Horizontal Steel Surface

Type BBS-3 Molds are used for connecting a horizontal Thru Bar to horizontal steel surface. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

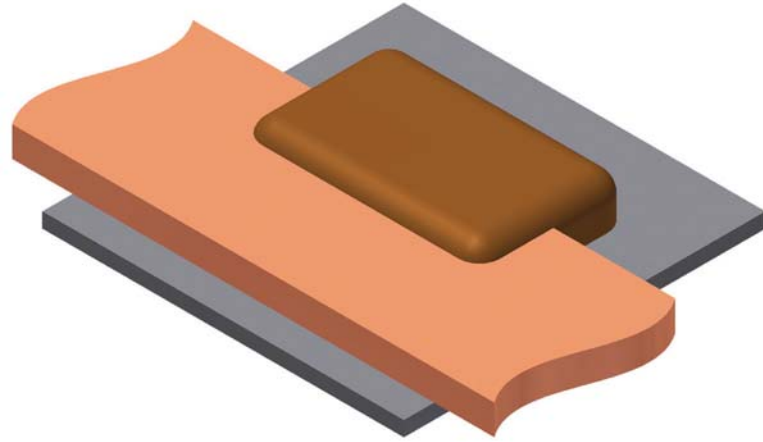
Recommended Accessories:

B38-0309-00 Flint Ignitor

B38-3922-00 Mold Cleaning Brush

B38-0135-00 Cable Cleaning Brush

B38-0101-00 Rasp



Bus Bar Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
2 X 20	B-2892	4	65	B-106
2 X 25	B-2893	4	90	B-106
3 X 20	B-2909	4	90	B-106
3 X 25	B-2911	4	115	B-106
3 X 30	B-2912	4	115	B-106
3 X 40	B-2913	4	150	B-106
4 X 25	B-2939	4	115	B-106
4 X 30	B-2940	4	150	B-106
4 X 40	B-2954	4	200	B-106
5 X 30	B-2985	4	200	B-106
5 X 40	B-2986	4	250	B-106
5 X 50	B-2989	4	250	B-106
6 X 50	B-2990	4	250	B-106
8 X 60	B-4257	5	2-150	B-107
10 X 60	B-4266	5	2-200	B-107

TYPE BRR-1 MOLDS

Ground Rod to Ground Rod

Type BRR-1 Molds are used for connecting a ground rod to another ground rod. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

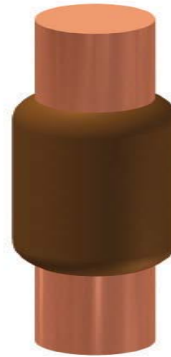
- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp



Ground Rod Size (mm)	Mold Number	Price Key	Weld Metal	Handle Clamps
12.8	B-3624-H	17	250	B-106
14.3	B-3625-H	17	2-150	B-106
17.2	B-4522-H	17	2-200	B-106

TYPE BRS-1 & BRS-2 MOLDS

Horizontal or Vertical Stud to Steel

Type BRS-1 Molds are used for connecting a horizontal stud to steel surface. Type BRS-2 Molds are used to connect a vertical stud to steel surface. Contact BURNDY® for information on molds for conductors not listed below.

NOTES:

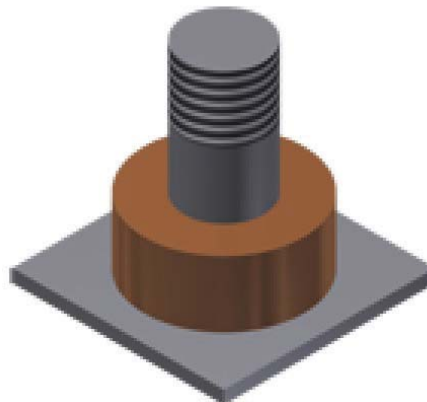
- For sizes not listed, contact BURNDY®
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0101-00 Rasp

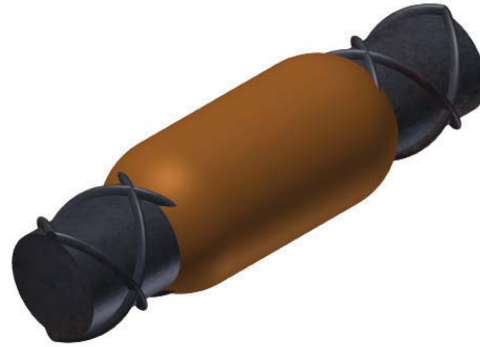


Stud Size (mm)	Type BRS-1	Type BRS-2	Price Key	Weld Metal	Handle Clamps
6	B-10742	B-10744	4	25	B-106
8	B-10743	B-10745	4	32	B-106
10	B-2891	B-4382	4	45	B-106
12	B-4285	B-4383	4	65	B-106
16	B-2822	B-4471	4	115	B-106

TYPE BCRE-1 MOLDS

Horizontal Parallel Tap to Rebar

Type BCRE-1 Molds are recommended for parallel, horizontal connections for metric conductors 25mm² through 95mm² joined to reinforcing bars 12mm through 22mm 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 (mm)	Cable Size (mm ²)	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
12	25	B-10746	B38032900	4	45	B-106
	35	B-10747	B38032900	4	45	B-106
	50	B-8789	B38032900	4	90	B-106
	70	B-8790	B38032900	4	90	B-106
	95	B-8787	B38032900	4	90	B-106
16	25	B-10748	B38032900	4	45	B-106
	35	B-10749	B38032900	4	45	B-106
	50	B-8782	B38032900	4	90	B-106
	70	B-8793	B38032900	4	90	B-106
	95	B-8813	B38032900	4	115	B-106
22 & Larger	35	B-10750	B38406200	14①	45	Included
	50	B-10751	B38406200	14①	90	Included
	70	B-10752	B38406200	14①	90	Included
	95	B-10753	B38406200	14①	115	Included

① Sold complete with handles; **B38-0309-00** Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

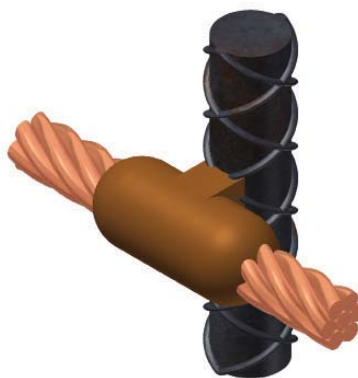
PACKING MATERIAL NOTE

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.

TYPE BCRE-3 MOLDS

Horizontal through Cable to Vertical Rebar

Type BCRE-3 Molds are recommended for horizontal conductors to vertical rebar connections for metric conductors 25mm² through 95mm² joined to reinforcing bars 12mm through 22mm 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 (mm)	Cable Size (mm ²)	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
12	25	B-10823	B38032900	24	90	B-106
	35	B-10824	B38032900	24	90	B-106
	50	B-10825	B38032900	24	115	B-106
	70	B-10826	B38032900	24	115	B-106
	95	B-10827	B38032900	24	150	B-106
16	25	B-10828	B38032900	24	90	B-106
	35	B-9892	B38032900	24	90	B-106
	50	B-10829	B38032900	24	115	B-106
	70	B-3297	B38032900	24	115	B-106
	95	B-3302	B38032900	24	150	B-106
22 & Larger	35	B-10830	B38406300	4	115	B-106
	50	B-9998	B38406300	4	115	B-106
	70	B-9285	B38406300	4	115	B-106
	95	B-9288	B38406300	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.

NOTES:

- For sizes not listed, contact BURNDY®
- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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 25mm² through 95mm² joined to reinforcing bars 12 through 22 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 (mm)	Cable Size (mm ²)	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
12	25	B-10766	B38032900	4	65	B-106
	35	B-10767	B38032900	4	65	B-106
	50	B-10768	B38032900	4	115	B-106
	70	B-3740	B38032900	4	115	B-106
	95	B-10769	B38032900	4	150	B-106
16	25	B-10770	B38032900	4	65	B-106
	35	B-10771	B38032900	4	65	B-106
	50	B-10772	B38032900	4	115	B-106
	70	B-4263	B38032900	4	115	B-106
	95	B-10773	B38032900	4	150	B-106
22 & Larger	25	B-10774	B38406300	4	65	B-106-32
	35	B-47	B38406300	4	65	B-106-32
	50	B-4113	B38406300	4	115	B-106-32
	70	B-3876	B38406300	4	115	B-106-32
	95	B-8692	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.

① 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.

NOTES:

- 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 handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

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)												
		4	6	8	10	12	14	16	18	20	22	24
Thickness of BURNDY® GROUNDMAX™ (Inches)	2	4.10	6.20	8.10	10.10	12.10	14.10	16.20	18.20	20.20	22.20	24.20
	3	6.20	9.30	12.10	15.20	18.20	21.20	24.20	27.30	30.30	33.30	36.40
	4	8.20	12.30	16.20	20.20	24.20	28.30	32.30	36.40	40.40	44.50	48.50
	5	10.30	15.40	20.20	25.30	30.30	35.40	40.40	45.50	50.60	55.60	60.60
	6	12.30	18.50	24.20	30.30	36.40	42.40	48.50	54.60	60.60	66.70	72.70
	7	14.40	21.60	28.30	35.40	42.40	49.50	56.60	63.70	70.70	77.80	84.90
	8	16.40	24.70	32.30	40.40	48.50	56.00	64.70	72.70	80.80	88.90	97.00
	9	18.50	27.80	36.40	45.50	54.60	63.70	72.70	81.80	90.90	100.00	109.10
	10	20.60	30.80	40.40	50.50	60.60	70.70	80.80	90.90	101.00	111.10	121.20

To calculate the pounds of material required to fill a trench:

- Determine desired thickness
- Move to the right on the chart above 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 pounds

Example:

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

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™ vz. 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 ^①

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

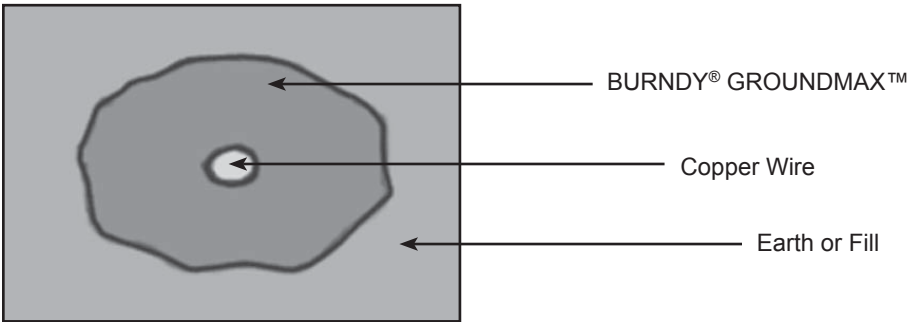
For grid construction, pour BURNDY® GROUNDMAX™ and spread over ground grid until desired thickness is achieved. Cover with fill.

^① Entire grounding system should be surrounded by BURNDY® GROUNDMAX™. Conductors should be insulated as they exit BURNDY® GROUNDMAX™ column.

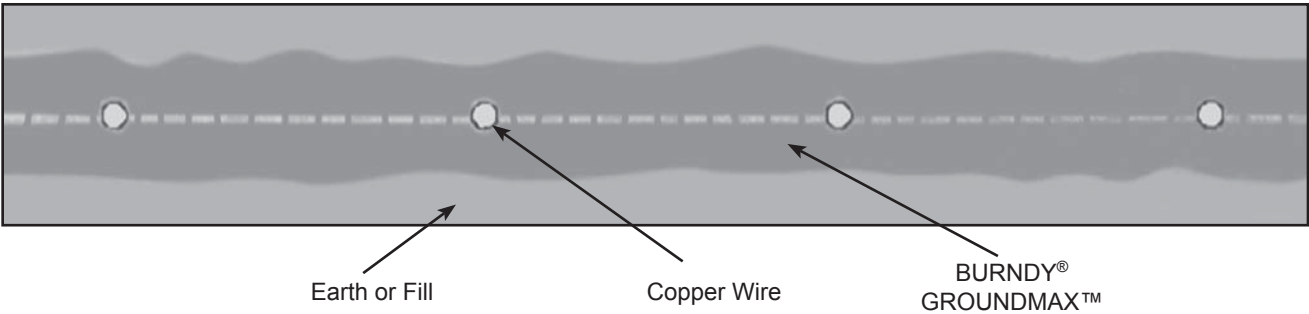
Steady State Leakage Resistance ^② Using 4/0 Copper Wire vs. BURNDY® GROUNDMAX™					
Length	0.457" Diameter Wire Only	Percentage of Resistance with 0.457" Wire Plus BURNDY® GROUNDMAX™ in Various Diameters Compared to Wire Only (100%)			
		2"	3"	4"	6"
25'	100%	83%	78%	74%	69%
50'	100%	85%	81%	77%	73%
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%

^② 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

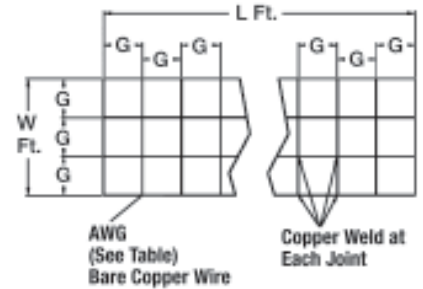
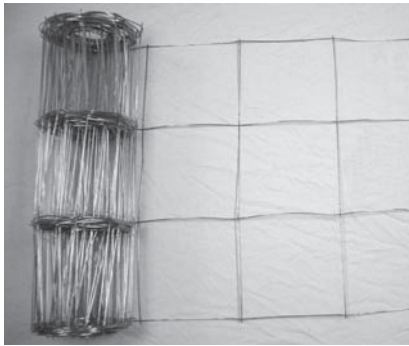


Grid Construction



BURNDY® GRIDMAX®

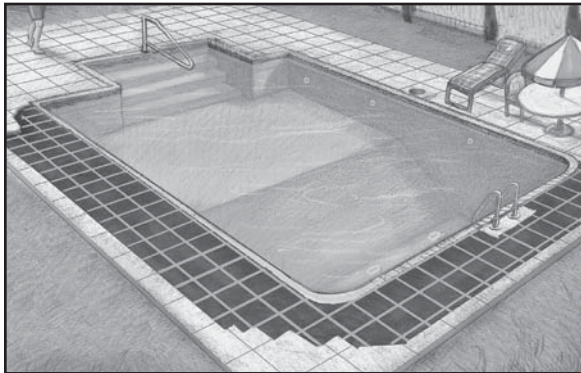
**Grounding, Personnel Safety Mats,
Equipotential Bonding, Pool and Spa
Grounding**


Features & Benefits

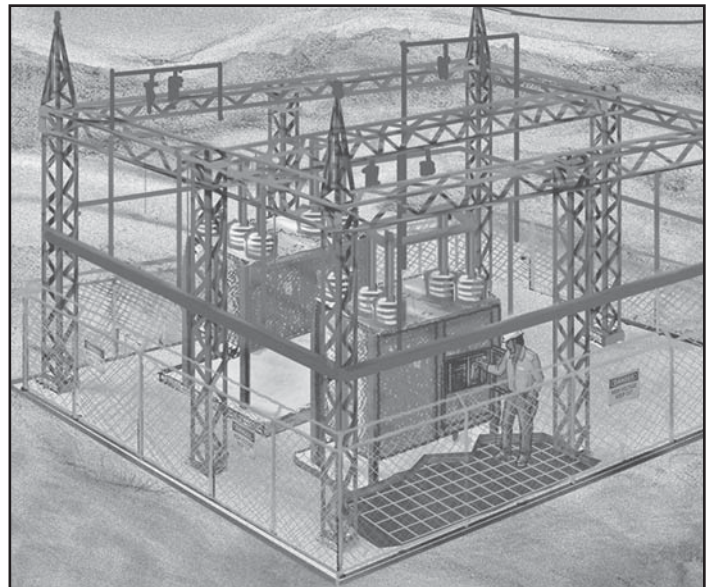
- Manufactured from bare solid copper
- Spaced on 4", 6" or 12" centers
- Copper to copper weld with 6% silver
- Furnished in sections with lengths from 4' to 100'
- Easily and economically installed using BURNDYWeld®, HYGROUND® or our Mechanical connectors
- Sizes made specifically for the Pool and 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'

Call for custom mats



Example:
GRIDMAX®
3' wide in pool area



Example:
GRIDMAX®
Personnel Safety Mat

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** & **B-107**. These will fit 95% of all standard BURNDYWeld® molds.

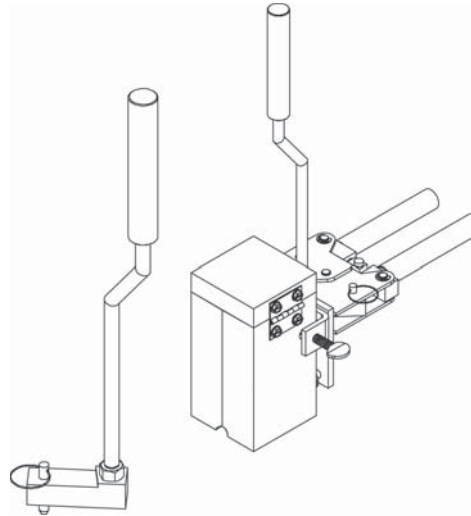
1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" x 3 1/8" square.
2. Use B-107 clamps for all molds having a price key 5, 6, 8 or 23. These molds are a nominal 4" x 4" square.
3. All molds having a price key 2, 3, 9, 10, 11, 12, 14, 15 or 16 have 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.

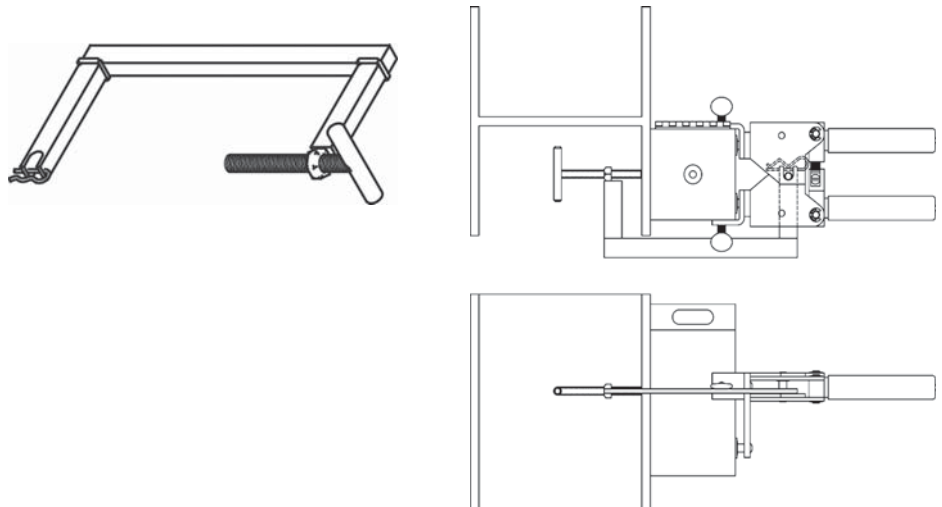
Catalog Number: **B40-0106-75**



MOLD SUPPORT CLAMP

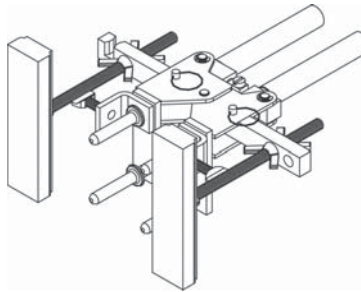
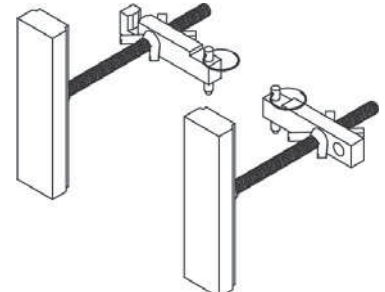
The Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types BCS-3, BCS-18, BCS-23 and BCS-27.

Catalog Number: **B40-3657-00**



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.


B40-4431-00

B40-4431-01

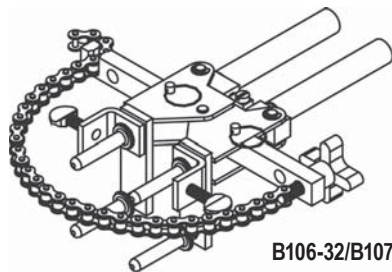
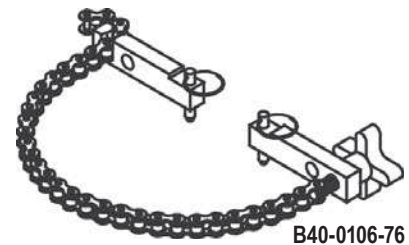
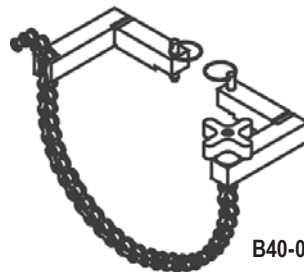
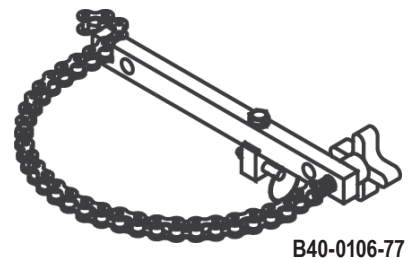
Magnetic Clamps with B106 Handle		
Catalog Number	Fits Molds w/ Price Key	For Use with Weld Types
B40-4431-00	4 & 17	BCS-3, 4, 7 & 23

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

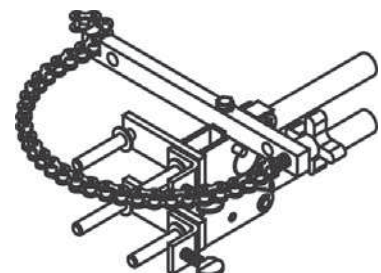
BURNDYWeld®

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 be easily attached to your existing handle clamps. 20" Chain Extension catalog number: **B40-0106-27**.


B106-32/B107-32

B40-0106-76

B40-0106-78

B40-0106-77

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
B106-41	4, 17	BCS-6, 18 & BCRE-3	Vertical

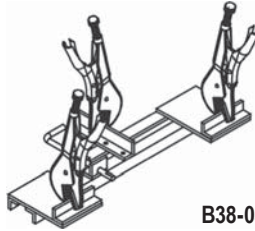
Chain Clamp Only (Handle Clamps Not Included)			
Catalog Number	Fits Handle Clamp	For Use With Weld Types	Pipe Position
B40-0106-76	B-106 & B-107	BCS-3, 4, 7, 23 & BCRE-6	Vertical
B40-0106-78	B-106 & B-107	BCS-1, 2, 5, 8 & 9	Horizontal
B40-0106-77	B-106 & B-107	BCS-6, 18 & BCRE-3	Vertical


B106-41

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.



B38-0330-00

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

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.

Description	Catalog Number
Cable Cleaning Brush	B38-0135-00
Replacement Brush	B38-0135-01
Card Cloth Brush	B38-0306-00
Mold Cleaning Brush	B38-3922-00



B38-0306-00



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

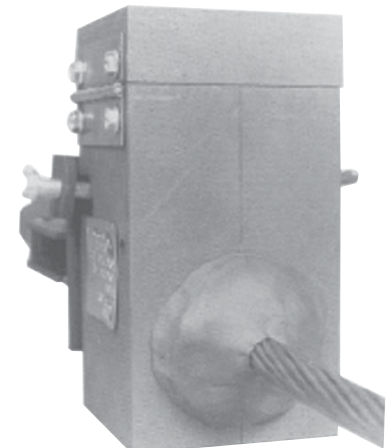
B40-0319-03 for cartridge sizes #90 through #500



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.

Description	Catalog Number
1 lb. package	B38-4129-00
5 lb. package	B38-4129-05



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 |



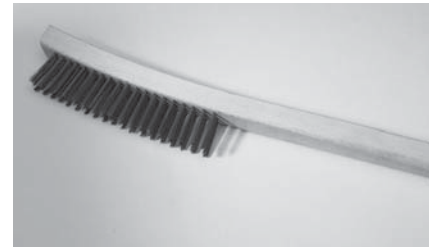
B38-0309-00



B38-0308-00



B38-0307-00



B38-0305-00

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**.

Ground Rod Driving Sleeves

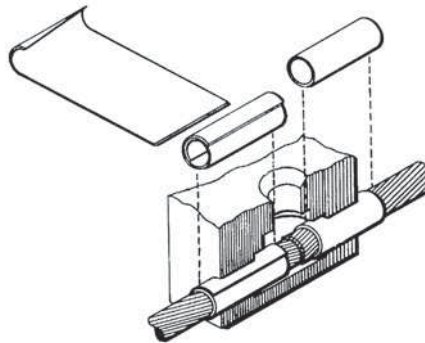
Ground Rod Driving Sleeves are placed over the top of a ground rod while driving it into the ground. This prevents the top from mushrooming or flaring out. Ground rod driving sleeves are available in sizes to fit all standard unthreaded ground rods.

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" x 1-1/2" x 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 Number	Use in Mold Size	Sleeve Dimensions		
Stranded	Solid			O.D. Size	I.D.	Length
#12, #14	#10, #12, #14	BA-200	#6 Str. & Sol.	0.15	0.11	1.00
#9, #10	#8, #9, #10	BA-208	#4 Sol.	0.20	0.14	1.00
#7, #8, #10	#6, #8	BA-201	#4	0.22	0.17	1.00
#6	#5	BA-202	#2	0.29	0.19	1.00
#4, #5	#3, #4	BA-207	#2	0.30	0.24	1.00
#4	#2	BA-204	#1	0.34	0.24	1.00
#2	#1	BA-203	1/0	0.37	0.30	1.00
#1	1/0	BA-209	2/0	0.42	0.35	1.00
1/0, #1	2/0	BA-205	3/0 & 4/0 Sol.	0.46	0.38	1.00
2/0, 1/0	3/0	BA-240	4/0	0.52	0.43	1.50
4/0	—	BA-211	300 kcmil	0.62	0.54	1.25
250 kcmil	—	BA-212	350 kcmil	0.67	0.59	1.25
350, 400 kcmil	—	BA-213	500 kcmil	0.81	0.76	1.50
250, 300, 350 kcmil	—	BA-214	500 kcmil	0.81	0.70	1.50
750, 800 kcmil	—	BA-215	1000 kcmil	1.15	1.05	1.50

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 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 causes listed under "Weld will not stick to steel surface" also apply to cast iron also.	[See Weld will not stick to steel surface cause/correction also]
	Not using CI (Cast Iron) powder.	Specify "CI" behind cartridge when ordering powder (i.e., 25CI).
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 nontoxic 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 connections 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 connections. 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 to 600 volts.

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 of Manufacture (MO) marked on the container.



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	350° 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	-40° 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.
PENA-4	PENA13-4	PENE-4	PENHT-4	Squeeze Bottle	4 oz.
P8A	PENA13-8	PENE-8	PENHT-8	Squeeze Bottle	8 oz.
PENACARTRIDGE	PENA13CARTRIDGE	—	PENHT1LB	Cartridge	1 lb.*
PENA-QT	PENA13-QT	PENE-QT	—	Plastic Tub	1 Quart
PENA-GAL	PENA13-GAL	PENE-GAL	PENHTGAL	Can	1 Gallon
PENA-5GAL	PENA13-5GAL	PENE-5GAL	—	Pail	5 Gallons
PENA-55GAL	PENA13-55GAL	PENE-55GAL	—	Drum	55 Gallons

* 1 lb. cartridge will fit standard caulking guns.

† Not UL Listed.

B38-0305-00 Wire Brush



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 DURIUM™, which is BURNDY's trade name for silicon bronze alloy ASTM B99 type B. This material was first introduced by BURNDY® in 1927 for use in outdoor construction, and today, is the standard throughout the industry.

DURIUM™ and Steel Hardware		Aluminum Hardware	
Bolt Size	Rec. Torque (Inch Pounds)	Bolt Size	Rec. 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		

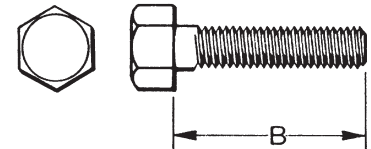
Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Both nuts and bolts are lubricated to eliminate galling and to provide consistent clamping forces.

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

DURIUM™ BOLT

SILICON BRONZE

BURNDY® introduced silicon-bronze bolts, nuts and other hardware items on outdoor connector applications in 1927. Today the DURIUM™ trademark is a standard for this use. DURIUM™ bolts combine high strength with corrosion resistance. Heads have American 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 (Inches)
25x50HEBBOX	1/4-20	1/2
25x62HEBBOX	1/4-20	5/8
25x75HEBBOX	1/4-20	3/4
25x100HEBBOX	1/4-20	1
25x125HEBBOX	1/4-20	1-1/4
25x150HEBBOX	1/4-20	1-1/2
25x200HEBBOX	1/4-20	2
25x250HEBBOX	1/4-20	2-1/2
25x300HEBBOX	1/4-20	3
31x50HEBBOX	5/16-18	1/2
31x62HEBBOX	5/16-18	5/8
31x75HEBBOX	5/16-18	3/4
31x100HEBBOX	5/16-18	1
31x125HEBBOX	5/16-18	1-1/4
31x150HEBBOX	5/16-18	1-1/2
31x175HEBBOX	5/16-18	1-3/4
31x200HEBBOX	5/16-18	2
31x250HEBBOX	5/16-18	2-1/2
31x300HEBBOX	5/16-18	3
38x50HEBBOX	3/8-16	1/2
38x62HEBBOX	3/8-16	5/8
38x75HEBBOX	3/8-16	3/4
38x88HEBBOX	3/8-16	7/8
38x100HEBBOX	3/8-16	1

Catalog Number	Thread Size	B Length (Inches)
38x125HEBBOX	3/8-16	1-1/4
38x150HEBBOX	3/8-16	1-1/2
38x175HEBBOX	3/8-16	1-3/4
38x200HEBBOX	3/8-16	2
38x225HEBBOX	3/8-16	2-1/4
38x250HEBBOX	3/8-16	2-1/2
38x275HEBBOX	3/8-16	2-3/4
38x300HEBBOX	3/8-16	3
38x325HEBBOX	3/8-16	3-1/4
38x350HEBBOX	3/8-16	3-1/2
38x400HEBBOX	3/8-16	4
38x450HEBBOX	3/8-16	4-1/2
38x500HEBBOX	3/8-16	5
44x150HEBBOX	7/16-14	1-1/2
44x200HEBBOX	7/16-14	2
50x75HEBBOX	1/2-13	3/4
50x100HEBBOX	1/2-13	1
50x125HEBBOX	1/2-13	1-1/4
50x150HEBBOX	1/2-13	1-1/2
50x175HEBBOX	1/2-13	1-3/4
50x200HEBBOX	1/2-13	2
50x225HEBBOX	1/2-13	2-1/4
50x250HEBBOX	1/2-13	2-1/2
50x275HEBBOX	1/2-13	2-3/4

Catalog Number	Thread Size	B Length (Inches)
50x300HEBBOX	1/2-13	3
50x325HEBBOX	1/2-13	3-1/4
50x350HEBBOX	1/2-13	3-1/2
50x375HEBBOX	1/2-13	3-3/4
50x400HEBBOX	1/2-13	4
50x450HEBBOX	1/2-13	4-1/2
50x500HEBBOX	1/2-13	5
50x550HEBBOX	1/2-13	4-1/2
50x600HEBBOX	1/2-13	6
62x100HEBBOX	5/8-11	1
62x125HEBBOX	5/8-11	1-1/4
62x150HEBBOX	5/8-11	1-1/2
62x175HEBBOX	5/8-11	1-3/4
62x200HEBBOX	5/8-11	2
62x225HEBBOX	5/8-11	2-1/4
62x250HEBBOX	5/8-11	2-1/2
62x275HEBBOX	5/8-11	2-3/4
62x300HEBBOX	5/8-11	3
62x325HEBBOX	5/8-11	3-1/4
62x350HEBBOX	5/8-11	3-1/2
62x400HEBBOX	5/8-11	4
62x450HEBBOX	5/8-11	4-1/2
62x500HEBBOX	5/8-11	5
62x600HEBBOX	5/8-11	6

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

DURIUM™ NUTS**SILICON BRONZE**

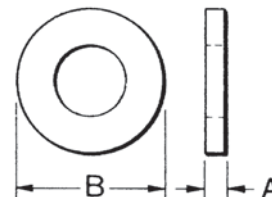
DURIUM™ hexagon regular nuts are non-magnetic and are made to American Standard dimensions. American National Coarse Series threads. #2 fit.



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

DURIUM™ FLAT WASHERS**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
25FWBOX	1/4	1/16	5/8
31FWBOX	5/16	1/16	11/16
38FWBOX	3/8	1/16	13/16
44FWBOX	7/16	1/16	15/16
50FWBOX	1/2	3/32	1-1/16
62FWBOX	5/8	3/32	1-5/16

DURIUM™ SPLIT LOCKWASHERS**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
25SWBOX	1/4
31SWBOX	5/16
38SWBOX	3/8
44SWBOX	7/16
50SWBOX	1/2
62SWBOX	5/8

DURIUM™ INTERNAL TOOTH LOCKWASHERS**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.

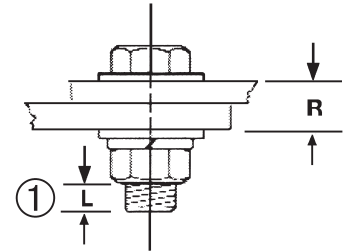


Catalog Number	For Bolt Size
25NWBOX	1/4
31NWBOX	5/16
38NWBOX	3/8
44NWBOX	7/16
50NWBOX	1/2
62NWBOX	5/8

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 Grade 2.



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		2.75	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 "P" 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®.
"L" dimension never exceeds 0.25"
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	0.88	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	

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

GALVANIZED STEEL HARDWARE

Galvanized bolts, nuts, flatwashers, and internal tooth lockwashers are manufactured per ASTM307 Grade A. 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



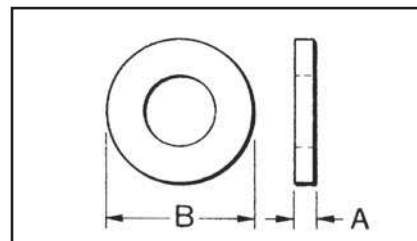
Catalog Number	Thread Size	Length (B)
38x125HGSB	3/8-16	1.25
38x275HGSB	3/8-16	2.75
38x225HGSB	3/8-16	2.25
50x100HGSB	1/2-13	1.00
50x150HGSB	1/2-13	1.50
50x200HGSB	1/2-13	2.00
62X100HGSB	5/8-11	1.00
62x175HGSB	5/8-11	1.75
75X125HGSB	3/4-11	1.25

NUTS



Catalog Number	Thread Size
31CHGSN	5/16-18
38HGSN009	3/8-16
38HGSN	3/8-16
50HGSN	1/2-13
62HGSN	5/8-11

FLAT WASHERS



Catalog Number	For Bolt Size	Nominal Dimensions (Inches)	
		I.D.A	O.D.B
38x81FWGS	3/8	0.41	0.81
50x106FWGS	1/2	0.53	1.06

INTERNAL TOOTH LOCKWASHERS

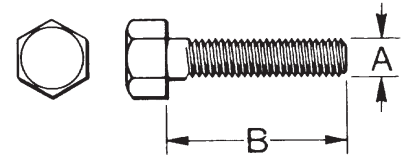


Catalog Number	Bolt Size
38NWGS	3/8
50NWGS	1/2
62NWGS	5/8
75NWGS	3/4

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 (Inches)
50x150HABBOX	1/2-13	1-1/2
50x175HABBOX	1/2-13	1-3/4
50x200HABBOX	1/2-13	2
50x225HABBOX	1/2-13	2-1/4
50x250HABBOX	1/2-13	2-1/2
50x275HABBOX	1/2-13	2-3/4
50x300HABBOX	1/2-13	3
50x325HABBOX	1/2-13	3-1/4
50x350HABBOX	1/2-13	3-1/2
50x375HABBOX	1/2-13	3-3/4
50x400HABBOX	1/2-13	4
50x425HABBOX	1/2-13	4-1/4
50x450HABBOX	1/2-13	4-1/2

Catalog Number	Thread Size	B Length (Inches)
50x500HABBOX	1/2-13	5
50x550HABBOX	1/2-13	5-1/2
62x175HABBOX	5/8-11	1-3/4
62x200HABBOX	5/8-11	2
62x225HABBOX	5/8-11	2-1/4
62x250HABBOX	5/8-11	2-1/2
62x300HABBOX	5/8-11	3
62x350HABBOX	5/8-11	3-1/2
62x400HABBOX	5/8-11	4
62x450HABBOX	5/8-11	4-1/2
62x500HABBOX	5/8-11	5
62x550HABBOX	5/8-11	5-1/2
62x600HABBOX	5/8-11	6

NUTS

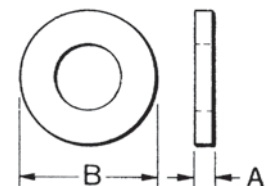
BURNDY® aluminum nuts are manufactured of alloy 6061-T6, are finished type, coarse thread, class 2B fit.



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

FLAT WASHERS

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



Catalog Number	Description	For Bolt Size
50FWABOX	Flat Washer	1/2
62FWABOX	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
50SWALBOX	Split Washer	1/2
62SWALBOX	Split Washer	5/8

**STAINLESS STEEL
HARDWARE**

Stainless steel bolts, nuts, flatwashers and split lockwashers are manufactured from 18-8 non-magnetic material. Nut surfaces and bolt heads have American National Coarse Series, Class #2 fit.



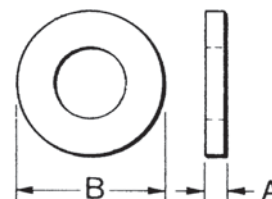
Catalog Number	Thread Size	Length B
38X125HSSB	3/8-16	1-1/4
38x225HSSB	3/8-16	2-1/4
38x250HSSB	3/8-16	2-1/2
38x275HSSB	3/8-16	2-3/4
50x200HSSB	1/2-13	2
50x250HSSB	1/2-13	2-1/2
50x300HSSB	1/2-13	3
62x300HSSB	5/8-11	3

BOLTS**NUTS**

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

SPLIT LOCKWASHERS

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

FLAT WASHERS

Catalog Number	For Bolt Size	Nominal Dimensions (Inches)	
		I.D.A	O.D.B
25FWSS	1/4	0.27	0.69
38FWSS	3/8	0.41	1.00
50FWSS	1/2	0.59	1.13
62FWSS	5/8	0.66	1.31

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® Stainless Steel Belleville washers are designed to maintain substantial force when tightened to NEMA-recommended values and finely finished to avoid galling.

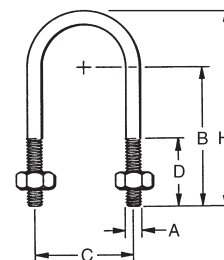


Catalog Number	For Bolt Size	Nominal Dimensions (Inches)		
		Thickness	I.D.	O.D.
38x75BWSS	3/8	0.06	0.39	0.75
50X106BWSS	1/2	0.10	0.53	1.06

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

Catalog Number	Thread Size	H	C	D	B
UB1030	3/8-16	12.70	13.25	2.88	5.88
UB224	1/2-13	2.44	1.12	0.88	1.62
UB358	1/2-13	2.66	1.31	1.00	1.75
UB291	1/2-13	2.81	1.19	1.19	1.97
UB293	1/2-13	2.81	1.75	1.75	1.69
UB464	1/2-13	3.12	1.81	1.81	1.96
UB540	1/2-13	3.19	1.38	1.38	2.25
UB254	1/2-13	3.41	1.31	1.31	2.50
UB328	1/2-13	3.41	2.94	2.94	1.69
UB400	1/2-13	4.03	1.31	1.31	3.12
UB230	1/2-13	4.34	2.94	2.94	2.62
UB311	1/2-13	4.44	1.88	1.88	3.25
UB302	1/2-13	4.62	2.47	2.47	3.12
UB232	1/2-13	4.97	3.44	3.44	3.00
UB260	1/2-13	5.34	2.94	2.94	3.62
UB390	1/2-13	5.38	2.50	2.50	3.88
UB263	1/2-13	5.78	4.56	4.56	3.25
UB282	1/2-13	6.31	4.12	4.12	4.00
UB236	1/2-13	6.41	5.06	5.06	3.62
UB399	1/2-13	6.66	1.31	1.31	5.75
UB436	1/2-13	6.66	4.56	4.56	4.12
UB262	1/2-13	6.78	5.06	5.06	4.00
UB392	1/2-13	7.06	1.62	1.62	6.00
UB416	1/2-13	7.53	5.06	5.06	4.75
UB300	1/2-13	7.62	6.12	6.12	4.31
UB306	1/2-13	7.88	6.12	6.12	4.56
UB275	1/2-13	8.16	7.19	3.54	4.31
UB437	1/2-13	8.56	6.12	6.12	5.25
UB294	5/8-11	3.50	1.38	1.38	2.50
UB314	5/8-11	3.66	2.09	2.09	2.31
UB425	5/8-11	3.72	2.31	2.31	2.25
UB317	5/8-11	4.97	1.81	1.81	3.75
UB315	5/8-11	5.56	2.09	2.09	4.19
UB318	3/4-10	4.22	2.44	2.44	2.62
UB344	3/4-10	4.72	1.94	1.94	3.38
UB319	3/4-10	6.34	2.44	2.44	4.75

Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

Installation Tools

The BURNDY® Engineered System features the most complete line of installation tools in the electrical industry. Available in various styles: battery actuated, mechanical, full cycle ratchet, self contained hydraulic, remote controlled hydraulic, along with power actuated pumps, hoses and accessories. BURNDY has the options to suit your needs. BURNDY tools are designed to integrate with the complete line of BURNDY connectors. Whether you're a small contractor working with #22 wire or a large utility working with 2500 kcmil conductor, there is a BURNDY tool available to do the job.

The benefits of the BURNDY® Engineered System are many, however, probably the most significant benefit is reliability. There is 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 BURNDY Tool Center, located at 150 Burndy Road, Littleton, NH 03561 (800-426-8720 or 603-621-4499). 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 service for all BURNDY tools, pumps and accessories.

BURNDY 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. See specific tool page for length of warranty. If inspection by a certified technician shows the trouble is caused 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 product has resulted in damage to the tool

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% of a new tool. A nominal service charge of \$5 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 supercedes all previous policies and is in effect as of January 1, 2005.

12-Ton U Dies*

**For Y35, Y39, Y750, PAT750 Series
PAT46 Series (with PUADP1 Adapter)**

* Non-tension U-type 12 ton dies for YA, YS, YA-A, YS-A style connectors

** Wide dies are intended for use on long barrel terminals and splices (YA/YS) only.

Die Sets sold separately; U Die Kits also available; see following page

Note: N/A = not applicable



U28RT Die Set

Wire Size	Copper	Copper Wide Die**	Aluminum
#8 AWG	U8CRT	U8CRTW	U8CABT
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#3 AWG	U3CRT	U3CRTW	N/A
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
535 Flex	U38XRT		N/A
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
777 Flex	U44XRT		N/A



U5CRTW Wide Die Set



PT29291 die box is available (sold separately) holding up to 15 "U" style (standard or wide) die sets; dies not included.

U Die Kits

For Y35, Y39, Y750, PAT750 Series PAT46 Series (with PUADP1 Adapter)

UDIEKITCU and **UDIEKITAL** include 15 sets of “U” dies and die case. These stainless steel color coded dies are for crimping YA, YS, YA-A, and YS-A types of connectors, ranging from #6 AWG through 750 kcmil.

UDIEKITCUW includes 9 sets of wide stainless steel color coded dies for crimping long barrel YA and YS types of connectors up to 4/0 AWG. The wide dies require only one crimp compared to 2 for the standard width dies.

Note: N/A = not applicable

Wire Size	UDIEKITCU includes	UDIEKITCUW includes	UDIEKITAL includes
#8 AWG	N/A	U8CRTW	N/A
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
Die Case	PT29291	PT29291	PT29291



UDIEKITCU

UDIEKITHYGRD includes 8 dies sets. Seven die sets are used to install the BURNDY® HYGROUND® irreversible compression grounding connectors; the U2CABT die set is for pre-crimping 1/2", 5/8" and 3/4" ground rods for increased rotational resistance. The UDIEKITHYGRD also includes the PT29291 die case.

UDIEKITHYGRD includes
UC, UO, U997, PU998, U1011, U1104, U1105, U2CABT (Ground rod pre-crimp die), and PT29291 die case

W Dies

For MD6, MD7, Y500CTHS, PAT500SJ, PAT600, PATMD6 and CSMD Series of tools

* These sizes (250 - 500) for Y500CTHS, MD734, and MD734R only.

** For PAT600 and PAT500SJ series and Y500CTHS only.

Note: N/A = not applicable

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

Die Sets sold separately; W Die Kits also available; see following page



W25RT Die Set

Wire Size	Copper (-VT)	Copper (-RT)	Aluminum
#8 AWG	W8CVT	W8CRT	X8CART
#6 AWG	W5CVT	W5CRT	W161
#4 AWG	W4CVT	W4CRT	W162
#3 AWG	W3CRT	W3CRT	N/A
#2 AWG	W2CVT	W2CRT	W239
#1 AWG	W1CVT	W1CRT1	W163
1/0 AWG	W25VT	W25RT	W241
2/0 AWG	W26VT	W26RT	W245
3/0 AWG	W27VT	W27RT	W166
4/0 AWG	W28VT	W28RT	W660
250 kcmil	W29VT*	W29RT*	W249
300 kcmil	W30VT*	W30RT*	N/A
350 kcmil	W31VT*	W31RT*	W31ART*
400 kcmil	W32VT*	W32RT*	N/A
450 kcmil	W33VT*	W33RT*	N/A
500 kcmil	W34VT*	W34RT*	N/A
600 kcmil	N/A	W36RT**	N/A

VT = "V" profile die for reduced handle force when using MD6/MD7 series tools; Twin die (includes both halves)
RT = Round die (circumferential); Twin die (includes both halves)



WDIETREE available (sold separately); holds up to 6 "W" style die sets (dies not included); shown with WBG die set (not included)



CASEWDIES die box available (sold separately); holds up to 12 "W" or "X" style die sets (dies not included)

W Die Kits

For MD6, MD7, Y500CTHS, PAT500SJ, PAT600, PATMD6 and CSMD Series of tools

* These sizes (250 - 500) for PAT600 and PAT500SJ Series, Y500CTHS, MD734, and MD734R only.

Note: N/A = not applicable

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



CASEWDIES
included with die kits;
also sold separately
(dies not included)

Wire Size	WDIEKITCU for Copper includes	WDIEKITAL for Aluminum includes
#8 AWG	W8CRT	X8CART
#6 AWG	W5CRT	W161
#4 AWG	W4CRT	W162
#2 AWG	W2CRT	W239
#1 AWG	W1CRT1	W163
1/0 AWG	W25RT	W241
2/0 AWG	W26RT	W245
3/0 AWG	W27RT	W166
4/0 AWG	W28RT	W660
250 kcmil	W29RT*	W249
350 kcmil	W31RT*	W31ART*
500 kcmil	W34RT*	N/A
Die Case	CASEWDIES	CASEWDIES

PAT46LWSLI

15-Ton, Light Weight C-Head

Hydraulic Self-Contained, 18V Lithium-Ion

- 2" jaw opening
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Light weight, scoop style C-head with 355° head rotation
- Overmolded, ergonomic handle
- Improved ergonomic balance
- Includes 2 batteries, charger, and polymer carrying case



For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

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 Overhead Transmission & Distribution

Sections H & I of the current BURNDY® Master Catalog

Specifications:

Output Force:	15 Tons
Tool Weight:	18.9 lbs
Size:	18.00" x 14.00" x 3.00"
Die Style:	P and U style (with PUADP1)
Jaw Opening:	2.00"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Accessories:

P15K:	Cutter Die, max. diameter 1.2"
PUADP1:	U Die Adapter
BAT18VLI:	Hi-capacity Li-Ion (3.0 AH)
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger

Variations:

PAT46CLWSLI	PAT46LWSLI with rubber covered head
PAT46LWSLILCB	PAT46LWSLI tool, no charger, no batteries

PAT46LWLI

15-Ton, Light Weight Latch Head

Hydraulic Self-Contained, 18V Lithium-Ion

- 2" jaw opening
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Light weight, Latch-head
- 355° head rotation
- Ergonomically balanced
- Includes 2 batteries, charger, and polymer carrying case

For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

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 Overhead Transmission & Distribution

Sections H & I of the current BURNDY® Master Catalog



Specifications:

Output Force:	15 Tons
Tool Weight:	16.8 lbs
Size:	18.75" x 13.75" x 3.75"
Die Style:	P and U style (with PUADP1)
Jaw Opening:	2.00"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Accessories:

P15K:	Cutter Die, max. diameter 1.2"
PUADP1:	U Die Adapter
BAT18VLI:	Hi-capacity Li-Ion (3.0 AH)
PATCHGRLL:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard

Variations:

PAT46LWLILCB PAT46LWLI tool, no charger, no batteries

PAT750LI

12-Ton, C-Head

Hydraulic Self-Contained, 18V Lithium-Ion

- 1.65" jaw opening
- Used with U dies
- C-head with 355° head rotation
- Bearing/alignment guide for HYGROUND® as well as other asymmetrical connectors
- Includes 2 batteries, charger, and polymer carrying case



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
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter



Wide U-dies (sold separately) can be used with long barrel terminals and splices saving time and labor!

Specifications:

Output Force:	12 Tons
Tool Weight:	15.7 lbs
Size:	15.75" x 13.50" x 3.50"
Die Style:	U style
Jaw Opening:	1.65"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Accessories:

BAT18VLI:	Hi-capacity LI battery (3.0 AH)
PATCHGRLI:	120V-AC Charger
PATCHGRILDC:	12/24V-DC Charger
PT208620:	Lanyard

Variations:

PAT750CLI	PAT750LI with rubber covered head
PAT750KLI	PAT750LI with KEARNEY™ style head used with KEARNEY™ WH1 and WH2 and BURNDY U dies with KUADP adapter (sold separately)
PAT750LILCB	PAT750LI tool, no charger, no batteries

Ni-MH platform is also available:

PAT750XT18V	Ni-MH battery version
PAT750CXT18V	PAT750XT18V (Ni-MH) with rubber covered head

Y46LWSBH

15-Ton, Remote Light Weight C-Head

Remote Operated Hydraulic Tool

- 2" jaw opening
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Positive push button die locks
- Light weight engineered open head design



For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

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 Overhead Transmission & Distribution

Sections H & I of the current BURNDY® Master Catalog

Specifications:

Output Force:	15 Tons
Tool Weight:	14.6 lbs
Size:	14.93" x 5.12" x 3.12"
Die Style:	P style and U style with PUADP1 adapter
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Accessories:

PUADP1:	U die adapter
P15K:	Cutter Die, max. diameter 1.2"
PT10054094:	Carry Bag (included with tool)

See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories for other necessary equipment.

Variations:

Y46CLWSBH	Permanently molded head of 3/16" rubber included separate molded rubber boot for lower body and hydraulic coupler
Y46CLWSBHF	Y46CLWSBH (covered) tool with female coupler
Y46LWSBHF	Y46LWSBH tool with Female coupler (not rubber covered)

Y46LWBH

15-Ton, Remote Light Weight Latch Head

Remote Operated Hydraulic Tool

- 2" ram travel
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Positive push button die locks
- Light weight latch head design



For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

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 Overhead Transmission & Distribution

Sections H & I of the current BURNDY® Master Catalog

Specifications:

Output Force:	15 Tons
Tool Weight:	12.5 lbs
Size:	15.50" x 5.12" x 3.12"
Die Style:	P style and U style with PUADP1 adapter
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Accessories:

PUADP1:	U die adapter
P15K:	Cutter Die, max. diameter 1.2"
PT10054094:	Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories
for other necessary equipment.*

Variations:

Y46LWBHF	Y46LWBH tool with Female coupler (not rubber covered)
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Y750BHXT

12-Ton, Remote C-Head

Remote Operated Hydraulic Tool

- 1.65" jaw opening
- 355° head rotation
- Used with U style dies
- Exposed positive die lock buttons

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
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter



Specifications:

Output Force:	12 Tons
Tool Weight:	10.3 lbs
Size:	12.88" x 5.25" x 3.12"
Die Style:	U style
Jaw Opening:	1.65"
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Accessories:

PT29402-1:	Adjustable head grip for joining head to universal hot sticks
PT29291:	Steel die case for storage and protection of U dies
PT10054094:	Canvas carry bag (included with tool)

See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories for other necessary equipment.

Variations:

Y750CBHXT	Y750BHXT with molded rubber covering on head, body and hose fittings
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Y750HSXT

12-Ton, C-Head, HYPRESS™

Hydraulic Self-Contained, Hand Operated Tool

- 355° head rotation
- 1.65" jaw opening
- Rapid advance pump
- Uses standard BURNDY U dies (sold separately)

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
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter

Variations:

Y750CHSXT Rubber covered head version



Specifications:

Output Force:	12 Tons
Tool Weight:	14.5 lbs
Size:	24.00" x 8.75" x 2.88"
Die Style:	U style
Jaw Opening:	1.65"
Warranty:	5 year limited warranty

Accessories:

Y750HSCASE:	Plastic carrying case for Y750HSXT/Y750CHSXT
FORCEGAUGE1215:	Force test gauge for accurate reading of output force
PT29291:	Steel die case for U dies

PATCUT2156LI

Latch Head, ACSR up to 2156 kcmil
Hydraulic Self-Contained Cutter, 18V Lithium-Ion

- 180° head rotation
- Durable hardened steel blades
- Specialized latch head for mid-span cuts
- Mechanical ram release with no power consumption
- Includes 2 batteries, charger, and polymer carrying case



For Use On:

Copper/Aluminum Cable: up to 2"

ACSR: up to 2156 kcmil

Ground Rod: up to 3/4"

Rebar: up to 5/8"

Soft Steel Bolts: up to 3/4"

Standard Guy: up to 9/16"

EHS Guy: up to 9/16"

Specifications:

Output Force:	10 Tons
Tool Weight:	15.5 lbs
Size:	16.50" x 13.50" x 3.38"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Variations:

PATCUT2156LI	18V Lithium-Ion
PATCUT2156LIDC	PATCUT2156LI with DC Charger

Accessories:

BAT18VLI:	Hi-capacity LI battery (3.0 AH)
PATCHGRLI:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard
CUT200BLMVBL:	Replacement Moving Blade
CUT200BLSTA:	Replacement Fixed (Stationary) Blade

PATCUT129LI

Latch Head, Cu/Al to 1.29" diameter

Hydraulic Self-Contained Cutter, 18V Lithium-Ion

- 180° head rotation
- Overmolded handle and ergonomic design
- One-handed operation for advance, retract and hold
- Latch head design for interference free closure for mid-span cuts
- Includes 2 batteries, charger, and polymer carrying case



For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"

Specifications:

Output Force:	7 Tons
Tool Weight:	10.2 lbs
Size:	14.50" x 13.50" x 3.50"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Variations:

PATCUT129LIDC Tool with 12/24V-DC charger in place of AC charger

Ni-MH platform is also available:

PATCUT129ACSR18V Ni-MH battery version

PATCUT129ACSR18VDC Ni-MH battery version with 12/24V-DC charger in place of AC charger

PATCUT129ACSR18V250V Ni-MH battery version with 240/250 V-AC Charger

Accessories:

BAT18VLI: Hi-capacity LI battery (3.0 AH)

PATCHGRLI: 120V-AC Charger

PATCHGRLIDC: 12/24V-DC Charger

PT208620: Lanyard

PT10037388: Replacement Moving Blade

PT10037384: Replacement Fixed Blade

PATCUT245LI

Latch Head, Cu/Al up to 2.45" O.D.

Hydraulic Self-Contained Cutter 18V Lithium-Ion

- 180° head rotation
- Cuts up to 2.45" diameter copper/aluminum cable
- Specialized latch style cutting head for interference-free closure for mid-span work
- Ergonomic design, overmolded handle
- Includes 2 batteries, charger, and polymer carrying case

For Use On:

Copper/Aluminum Cable:

Up to 2.45" O.D.

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

Variations:

PATCUT245LIDC Tool with 12/24V-DC charger in place of AC charger

Ni-MH platform is also available:

PATCUT245CUAL18V Ni-MH battery version
PATCUT245CUAL18VDC Ni-MH battery version with 12/24V-DC charger in place of AC charger
PATCUT245CUAL18V250V Ni-MH battery version with 240/250 V-AC Charger



Specifications:

Output Force:	6 Tons
Tool Weight:	13.7 lbs
Size:	18.13" x 13.50" x 3.50"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 1 year on batteries and charger

Accessories:

BAT18VLI:	Hi-capacity LI battery (3.0 AH)
PATCHGRLI:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard
PT10038657:	Replacement Moving Blade
PT10040663:	Replacement Fixed Blade

BCC1000CUAL

Sealed Nickel Cadmium Cutter

Cuts up to 750 kcmil hard drawn copper;
1000 kcmil soft drawn copper; 2" O.D. aluminum

- Hook head design
- Three-way switch
- Hardened steel blades
- Withstands rugged use, resists oil and solvents
- Includes 1 battery, 1 charger, and case

For Use On:

Hard Drawn Copper:

750 kcmil

Soft Drawn Copper:

1000 kcmil

Aluminum:

up to 2" O.D

Do Not Cut Steel or ACSR



Specifications:

Tool Weight:	6.0 lbs
Size:	14.50" x 4.50" x 4.00"
Operating Voltage:	12 V-DC Nickel Cadmium
Recharge Time:	1 hour (fast) to 16 hours (standard)
Warranty:	90 day limited warranty (excluding blades)

Accessories:

BCCBAT12V:	Sealed nickel cadmium battery
BCCCHGR:	120 V-AC Charger
BCCCASE:	Replacement Case for BCC1000CUAL tool
RP50RP03:	Replaceable Moving Blade
RP50RP02:	Replaceable Fixed Blade



RHCC4CUAL

Scissor Action, Remote Operated Cutter

Cuts up to 4.00" Copper / Aluminum Cable

- Specialized scissor head design for interference free closure for mid-span cuts
- High strength hardened steel cutting blades
- 360° swivel hose fitting
- Stainless Steel lifting assist eyebolt
- Light weight ergonomic design



For Use On:

Copper/Aluminum Cable: up to 4.00"

Specifications:

Operating Pressure:	10,000 PSI
Weight:	19.9 lbs
Size:	21.29" x 9.13" x 5.15"
Warranty:	5 year limited warranty (excluding blades)



BAGCNVS5X9X24 Canvas Bag available separately
(included with tool)

Accessories:

BAGCNVS5X9X24:	Canvas Bag (included with tool)
RHCC4CUALBLD:	Cutting Blade (one blade; 2 required)
RHCC4CUALGDEBLD:	Blade Guide

See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories for other necessary equipment.

RHCC129ACSR

Latch Head, Remote Operated Cutter

Cuts up to 1.29" Copper / Aluminum Cable

- Interference free closure for mid-span cuts
- Precision cutting blades for clean cuts
- High strength steel cylinder
- Light weight, ergonomic design
- Durable canvas carrying bag stores tool and accessories



For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"

Specifications:

Operating Pressure:	10,000 PSI
Weight:	5.8 lbs
Size:	11.25" x 3.75" x 3.00"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10043890:	Canvas Bag (included with tool)
PT10037388:	Moving Blade
PT10037384:	Fixed Blade
RHCCHSA:	Hot Stick Adapter

See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories for other necessary equipment.



PT10043890 Canvas Bag available separately
(included with tool)

RHCC245CUAL

Latch Head, Remote Operated Cutter

Cuts up to 2.45" Copper / Aluminum Cable

- Interference free closure for mid-span cuts
- Precision cutting blades for clean cuts
- Lightweight ergonomic design
- Durable canvas carrying bag stores tool and accessories

For Use On:

Copper/Aluminum Cable: up to 2.45"



PT10054094 Canvas Bag available separately
(included with tool)

Specifications:

Operating Pressure:	10,000 PSI
Weight:	8.3 lbs
Size:	14.87" x 4.75" x 3.00"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10054094:	Canvas Bag (included with tool)
PT10038657:	Moving Blade
PT10040663:	Fixed Blade
RHCCHSA:	Hot Stick Adapter

**See Hydraulic Pumps and Hydraulic Hoses; Pump Accessories
for other necessary equipment.**

YCUT129ACSR

Latch Head Style

Hydraulic Hand Operated Cutter

- Rapid advance pump
- Handle trigger drain
- Interference free closure on mid-span cuts
- 180° head rotation

For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"



Specifications:

Output Force:	7 Tons
Weight:	11.4 lbs
Size:	22.50" x 6.63" x 2.50"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10024162:	Carrying Case (included with tool)
PT10037388:	Moving Blade
PT10037384:	Fixed Blade



PT10024162 Hard Polymer Case for YCUT129ACSR

MCC Series

Manual Cable Cutters

MCC600 cuts to 600 kcmil Cu/Al;

MCC1000 cuts to 1000 kcmil Cu/Al

- Rugged, high quality steel cutting blades
- Fiberglass handles with soft grips
- Excellent cutting edge performance
- Minimum of cable distortion

For Use On:

Copper/Aluminum Cable: up to 600 kcmil (MCC600)
up to 1000 kcmil (MCC1000)



Variations:

MCC600	3.5 lbs; 21" overall length; cuts copper and aluminum cable to 600 kcmil; max. insulation diameter 1.31"
MCC1000	9.0 lbs; 32" overall length; cuts copper and aluminum cable to 1000 kcmil; max. insulation diameter 1.90"

Specifications (MCC600):

Weight:	3.5 lbs
Size:	21.00 x 5.00" x 2.00"
Max. Insulation Dia.:	1.31"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

MCC600BLADESET:	Replacement blades for MCC600
MCC1000BLADESET:	Replacement blades for MCC1000

RCC - Cu/Al

RCC-Series Ratchet Cutters for Cu/Al

Three variations covering a range of Cu/Al

- Rugged, high quality steel cutting blades
- Excellent cutting edge performance
- Minimum of cable distortion

For Use On:

RCC600E: Copper & Aluminum 600 kcmil

RCC750HD: Copper & Aluminum 750 kcmil

RCC1000: Copper & Aluminum 1000 kcmil

Variations:

RCC600E 10.5" overall length; cuts copper and aluminum cable to 600 kcmil; max. insulation diameter 1.05"; 1.3 lbs

RCC750HD 10.5" overall length; cuts copper and aluminum cable to 750 kcmil; max. insulation diameter 1.62"; 2.4 lbs

RCC1000 20" overall length; cuts copper and aluminum cable to 1000 kcmil; max. insulation diameter 2.38"; 5.0 lbs



Specifications (RCC600E):

Weight:	1.3 lbs
Length:	10.50" x 4.25" x 1.75"
Max. Insulation Dia.:	1.05"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

RPC701302:	Fixed Replacement Blade for RCC1000
RPC701402:	Moveable Replacement Blade for RCC1000

RCC - Cu/Al & ACSR

RCC-Series Cutters for Cu/Al and ACSR

Three variations covering a range of Cu/Al and ACSR

- Quick release, bi-directional ratchet mechanism
- Rapid blade advance
- Easy cutting with minimal cable distortion

For Use On:

RCC954ACSR1K: Copper 1000 kcmil;
Aluminum 1000 kcmil;
ACSR 954 kcmil

RCC556: Copper 500 kcmil;
Aluminum 500 kcmil;
ACSR 556 kcmil

RCC336: Copper 350 kcmil;
Aluminum 500 kcmil;
ACSR 336 kcmil

Variations:

RCC954ACSR1K 22.75" overall length; 1.38" max. insulation diameter; 6.5 lbs

RCC556 20" overall length; 1.25" max. insulation diameter; 4.5 lbs

RCC336 10.5" overall length; .74" max. insulation diameter; 1.2 lbs



RCC954ACSR1K

Specifications (RCC954ACSR1K):

Weight:	6.5 lbs
Size:	22.75" x 7.00" x 1.88"
Max. Insulation Dia.:	1.38"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

RPC705501:	Fixed Replacement Blade for RCC556
RPC705601:	Moveable Replacement Blade for RCC556
RPC902101:	Fixed Replacement Blade for RCC336
RPC902201:	Moveable Replacement Blade for RCC336

Y10AC9

Electric Hydraulic Pump; 10,000 PSI

Light weight, space saving design

- Easy to carry and transport
- Factory set relief valve
- 100,000+ life cycles
- Sealed electric pendant switch with 10-foot cord

For Use With:

Y10AC9: 10,000 PSI electric pump
Used with: Y34BH, Y35BH, Y35BH4, Y39BH, Y45, Y46, Y46C, Y750BHXT, Y750CBHXT, Y644MBH, Y4PC834MBH, Y81KFTMBH, Y60BHU, Y60LW, RHCC Series Cutters

Variations:

Y10AC9OEM Electric hydraulic pump with foot switch; pump features "Jog & Hold"

Examples of one remote crimping head for use with Y10AC9 pump



RHCC129ACSR



Specifications:

Weight:	28.0 lbs (including oil)
Motor:	115V-AC 50/60 Hz 5/8 HP, 10,000 RPM
Height:	14.38"
Base:	18.00" x 8.75" x 6.50"
Max. Current Draw:	11 amp
Reservoir Volume:	1.61 quarts
Warranty:	5 year limited warranty

Accessories:

YACCASE: Steel carrying case with handle and locking latch
YACFC: Foot control switch

See Hydraulic Hoses; Pump Accessories for Hose options

EPP10

Electric Hydraulic Pump; 10,000 PSI

Also available in 6,000 PSI

- Lightweight, small size
- 100,000+ life cycles
- Durable remote pendant switch

Variations / For Use With:

EPP10: 10,000 PSI electric pump

Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT, Y750CBHXT, Y39BH, Y45, Y46C, Y46, Y60BHU, Y60LW, Y644MBH, Y4PC834MBH, Y81KFTMBH, RHCC Series Cutters

EPP6: 6,000 PSI electric pump

Used with: Y29BH, Y35L

Example of one of the remote crimping heads for use with EPP10 pump



Specifications:

Motor:	115V-AC/60 Hz 1/2 HP @ 3450 RPM
Max. Current Draw:	12.5 amperes
Weight:	30.0 lbs
Base:	18.00" x 8.00" x 6.00"
Height:	16.00"
Reservoir Volume:	2 quarts
Warranty:	5 year limited warranty

Accessories:

EPPCASE1:	Steel carrying case with handle, locking latch
PT9711:	Pendant switch

See Hydraulic Hoses; Pump Accessories for Hose options

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 accommodated 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 Grounding 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 both 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 Standard 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 DURUM™, which is the BURNDY trade name for silicon bronze alloy ASTM B99. This material was first introduced by BURNDY in 1927 for use in outdoor construction and today is the standard throughout the industry.

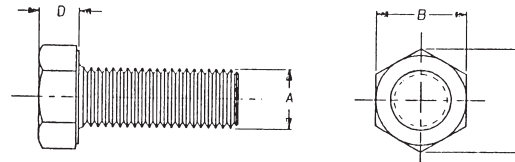
Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Bolts are lubricated to eliminate galling and to provide consistent clamping forces.

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.

Steel Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/4 - 20	80
5/16 - 18	180
3/8 - 16	240
1/2 - 13	480
5/8 - 11	660
3/4 - 10	1050

Aluminum Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/2 - 13	300
5/8 - 11	480
3/4 - 10	650

DURUM™ (Silicon Bronze) Hexagonal Bolt Data



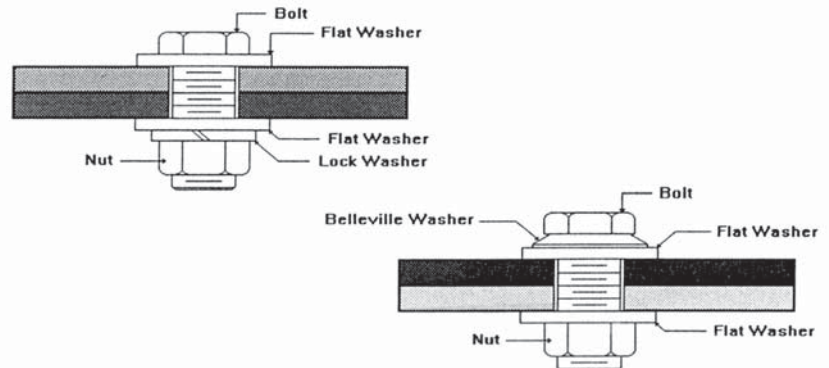
DURUM™ (Silicon Bronze) Hardware							
Catalog Number Series*	"A" Bolt Size	"B"	"C"	"D"	Recommended Torque (in-lb)**	Min. Breaking Force (lb)	Min. Shearing Force (lb)
25X__HEB	1/4 - 20	7/16	.50	.16	80	1,780	990
31X__HEB	5/16 - 18	1/2	.56	.21	180	2,930	1,640
38X__HEB	3/8 - 16	9/16	.65	.24	240	4,350	2,430
50X__HEB	1/2 - 13	3/4	.87	.32	480	7,950	4,460
62X__HEB	5/8 - 11	15/16	1.08	.40	660	12,700	7,100
75X__HEB	3/4 - 10	1-1/8	1.30	.48	1050	17,510	10,540

* __ is substituted for bolt length; Consult sales representative for available lengths

**These torque values develop maximum bolt preload

This drawing is based on BURNDY engineering specification

Recommended Termination Hardware



Equivalent Metric Size given in []; Metric sizes provided for reference only.

US: 1-800-346-4175 / International: 1-603-647-5299 / Canada: 1-800-387-6487 / www.burndy.com

COPPER TUBE (BUS)

CABLE DATA

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
STANDARD PIPE SIZES			
1/4"	0.540	0.375	0.082
3/8"	0.675	0.494	0.090
1/2"	0.840	0.625	0.107
3/4"	1.050	0.822	0.114
1"	1.315	1.062	0.126
1-1/4"	1.660	1.368	0.146
1-1/2"	1.900	1.600	0.150
2"	2.375	2.062	0.156
2-1/2"	2.875	2.500	0.187
3"	3.500	3.062	0.219
3-1/2"	4.000	3.500	0.250
4"	4.500	4.000	0.250
4-1/2"	5.000	4.500	0.250
5"	5.563	5.063	0.250
6"	6.625	6.125	0.250
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

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
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

CABLE DATA (continued)

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	85.8	67.6	25
17	.045	107.5	84.7	25
16	.050	135.2	106.2	25
15	.057	170.0	133.0	25
14	.064	213.8	166.6	25
13	.071	268.2	208.0	25
12	.080	337.0	261.6	25
11	.090	422.5	327.6	25
10	.101	529.2	410.4	25
9	.114	661.0	514.2	30
8	.128	826.0	643.9	30
7	.144	1,030.0	806.6	30
6	.162	1,280.0	1,010.0	30
5	.181	1,591.0	1,265.0	30
4	.204	1,970.0	1,584.0	30
3	.229	2,439.0	1,984.0	30
2	.257	3,003.0	2,450.0	30
1	.289	3,688.0	3,024.0	30
1/0	.324	4,519.0	3,730.0	35
2/0	.364	5,518.0	4,599.0	35
3/0	.409	6,722.0	5,667.0	35
4/0	.460	8,143.0	6,980.0	35

CABLE DATA (continued)**STRANDED COPPER WIRE (ASTM B8 EXCLUDING BREAKING LOADS)**

Size		A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Stranded		Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
Circular Mils	AWG						
1,022	20	B	7	0.036	50.0	40.67	32.1
1,624	18	B	7	0.045	79.0	63.91	51.0
2,583	16	B	7	0.057	124.7	100.4	81.1
4,107	14	B	7	0.072	197.1	157.7	124.2
6,530	12	B	7	0.091	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	1,288.0	958.6	793.8
33,100	5	B	7	0.206	1,542.0	1,201.0	1,001.0
41,740	4	AA	3	0.254	1,879.0	1,465.0	1,213.0
41,740	4	B&A	7	0.232	1,938.0	1,505.0	1,262.0
52,630	3	AA	3	0.285	2,359.0	1,835.0	1,530.0
52,630	3	B&A	7	0.260	2,433.0	1,885.0	1,592.0
66,370	2	AA	3	0.320	2,913.0	2,299.0	1,929.0
66,370	2	B&A	7	0.292	3,045.0	2,361.0	2,007.0
83,690	1	AA	3	0.360	3,621.0	2,879.0	2,432.0
83,690	1	A	7	0.328	3,804.0	2,958.0	2,432.0
83,690	1	B	19	0.332	3,899.0	3,037.0	2,531.0
105,500	1/0	A&A	7	0.368	4,752.0	3,705.0	3,067.0
105,500	1/0	-	12	0.390	4,841.0	3,755.0	3,191.0
105,500	1/0	B	19	0.373	4,901.0	3,805.0	3,191.0
133,100	2/0	A&A	7	0.414	5,926.0	4,640.0	3,867.0
133,100	2/0	-	12	0.438	6,048.0	4,703.0	3,867.0
133,100	2/0	B	19	0.419	6,152.0	4,765.0	4,024.0
167,800	3/0	A&A	7	0.464	7,366.0	5,812.0	4,876.0
167,800	3/0	-	12	0.492	7,556.0	5,890.0	4,876.0
167,800	3/0	B	19	0.470	7,698.0	5,970.0	5,074.0
211,600	4/0	A&A	7	0.522	9,154.0	7,278.0	6,149.0
211,600	4/0	-	12	0.522	9,483.0	7,378.0	6,149.0
211,600	4/0	B	19	0.528	9,617.0	7,479.0	6,149.0

CABLE DATA (continued)

STRANDED COPPER WIRE (ASTM B8 EXCLUDING BREAKING LOADS continued)

Size	A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Circular Mils	Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
250 kcmil	AA	12	0.600	11,130	8,717	7,265
250 kcmil	A	19	0.574	11,360	8,986	7,265
250 kcmil	B	37	0.575	11,560	8,952	7,559
300 kcmil	AA	12	0.657	13,170	10,390	8,718
300 kcmil	A	19	0.628	13,510	10,530	8,718
300 kcmil	B	37	0.630	13,870	10,740	9,071
350 kcmil	AA	12	0.710	15,140	12,040	10,170
350 kcmil	A	19	0.679	15,590	12,200	10,170
350 kcmil	B	37	0.681	16,060	12,450	10,580
400 kcmil	A&AA	19	0.726	17,810	13,950	11,620
400 kcmil	B	37	0.728	18,320	14,140	11,620
450 kcmil	AA	19	0.770	19,750	15,590	13,080
450 kcmil	B&A	37	0.772	20,450	15,900	13,080
500 kcmil	AA	19	0.811	21,950	17,320	14,530
500 kcmil	B&A	37	0.813	22,510	17,550	14,530
600 kcmil	A&AA	37	0.891	27,020	21,060	17,440
600 kcmil	B	61	0.893	27,530	21,350	18,140
700 kcmil	AA	37	0.963	31,170	24,410	20,340
700 kcmil	B&A	61	0.964	31,820	24,740	20,340
750 kcmil	AA	37	0.997	33,400	26,150	21,790
750 kcmil	B&A	61	0.998	34,090	26,510	21,790
800 kcmil	AA	37	1.029	35,120	27,710	23,250
800 kcmil	B&A	61	1.031	36,360	28,270	23,250
900 kcmil	AA	37	1.092	39,510	31,170	26,150
900 kcmil	B&A	61	1.094	40,520	31,590	26,150
1000 kcmil	AA	37	1.151	43,830	34,400	29,060
1000 kcmil	B&A	61	1.152	45,030	35,100	29,060
1250 kcmil	A	61	1.288	55,670	43,590	36,320
1250 kcmil	B	91	1.289	56,280	43,880	36,320
1500 kcmil	A	61	1.411	65,840	51,950	43,590
1500 kcmil	B	91	1.412	67,540	52,650	43,590
1750 kcmil	A	91	1.526	77,930	61,020	50,850
1750 kcmil	B	127	1.526	78,800	61,430	50,850
2000 kcmil	A	91	1.630	87,790	69,270	58,120
2000 kmcil	B	127	1.632	90,050	70,210	58,120

Equivalent Metric Size given in []; Metric sizes provided for reference only.

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CABLE DATA (continued)

SOLID COPPERWELD CABLE (ASTM B227)

Conductor Size (AWG)	Nominal Diameter (inches)	Circular Mils	Minimum Breaking Load (pounds)			
			Grade 40 HS	Grade 40 EHS	Grade 30 HS	Grade 30 EHS
4	0.2043	41740	3540	-	3934	4671
5	0.1819	33090	2937	-	3249	3911
-	0.1650*	27230	2779	-	2779	3367
6	0.1620	26240	2679	-	2679	3246
7	0.1443	20820	2207	-	2207	2681
8	0.1285	16510	1816	-	1816	2205
-	0.1280*	16380	1802	-	1802	2188
9	0.1144	13090	1491	-	1491	1790
-	0.1040*	10820	1283	1325	1283	1487
10	0.1019	10380	1231	-	1231	1460
12	0.0808	6530	774	-	774	918
-	0.0800*	6400	759	-	759	900
-	0.0640*	4096	485	-	485	576
18	0.0403	1624	193	-	193	228
-	0.0390*	1521	180	-	180	214
20	0.0320	1024	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 diameter listed.

STRANDED COPPERWELD CABLE (ASTM B228)

Nominal Diameter† (inch) Size AWG‡	Circular Mils	Diameter* (inch)	Breaking Load (pounds)**		
			High Strength		Extra High Strength
			40% Cond.	30% Cond.	30% Cond.
7/8 (19 No. 5)	628900	.910	50240	55570	66910
13/16 (19 No. 6)	498800	.810	41600	45830	55530
23/32 (19 No. 7)	395500	.721	34390	37740	45850
27/32 (19 No. 8)	313700	.642	28380	31040	37690
9/16 (19 No. 9)	248800	.572	23390	25500	30610
5/8 (7 No. 4)	292200	.613	22310	24780	29430
9/16 (7 No. 5)	231700	.546	18510	20470	24650
1/2 (7 No. 6)	183800	.486	15330	16890	20460
7/16 (7 No. 7)	145700	.433	12670	13910	16890
3/8 (7 No. 8)	115600	.385	10460	11440	13890
11/32 (7 No. 9)	91650	.343	8616	9393	11280
5/16 (7 No. 10)	72680	.306	7121	7758	9196
3 No. 5	99310	.392	8373	9262	11860
3 No. 6	78750	.349	6934	7639	9754
3 No. 7	62450	.311	5732	6291	7922
3 No. 8	49530	.277	4730	5174	6282
3 No. 9	39280	.247	3898	4250	5129
3 No. 10	31150	.220	3221	3509	4160
3 No. 12	19590	.174	2236	-	-

† The designation "inch" is the approximate diameter in proper fraction of an inch.

‡ The designation AWG is a combination of the number of wires each of the American Wire Gauge size indicated by "No."

* Diameter of circumscribing.

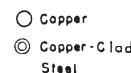
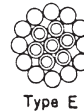
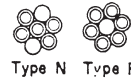
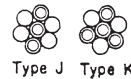
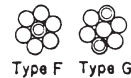
** Breaking loads of 7-wire and 19-wire conductors are taken as 90% of the sum of the breaking loads of individual wires; breaking load of 3-wire conductors is taken as 95% of the sum of the breaking loads of the individual wires.

CABLE DATA (continued)

COPPERWELD-COPPER CABLE (ASTM B229)

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
350000	-	E	0.788	32420
350000	-	EK	0.735	23850
350000	-	V	0.754	23480
300000	-	E	0.729	27770
300000	-	EK	0.680	20960
300000	211600	V	0.698	20730
250000	-	E	0.666	23920
250000	-	EK	0.621	17840
250000	-	V	0.637	17420
	4/0	E	0.613	20730
211600	4/0	G	0.583	15640
211600	4/0	EK	0.571	15370
211600	4/0	V	0.586	15000
211600	4/0	F	0.550	12290
167800	3/0	E	0.545	16800
167800	3/0	J	0.555	16170
167800	3/0	G	0.519	12860
167800	3/0	EK	0.509	12370
167800	3/0	V	0.522	12200
167800	3/0	F	0.490	9980
133100	2/0	K	0.534	17600
133100	2/0	J	0.494	13430
133100	2/0	G	0.463	10510
133100	2/0	V	0.465	9846
133100	2/0	F	0.436	8094
105600	1/0	K	0.475	14490
105600	1/0	J	0.440	10970
105600	1/0	G	0.412	8563
105600	1/0	F	0.388	6536
83690	1	N	0.464	15410
83690	1	K	0.423	11900
83690	1	J	0.392	9000
83690	1	G	0.367	6956
83690	1	F	0.346	5266
66360	2	P	0.462	16870
66360	2	N	0.413	12680
66360	2	K	0.377	9730
66360	2	J	0.349	7322
66360	2	A	0.366	5876
66360	2	G	0.327	5626
66360	2	F	0.308	4233
55620	3	P	0.411	13910
52620	3	N	0.368	10390

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
52620	3	K	0.336	7910
52620	3	J	0.311	5955
52620	3	A	0.326	4810
41740	4	P	0.366	11420
41740	4	N	0.328	8460
41740	4	D	0.348	7340
41740	4	A	0.290	3938
33090	5	P	0.326	9311
33090	5	D	0.310	6035
33090	5	A	0.258	3193
26240	6	D	0.276	4942
26240	6	A	0.230	2585
26240	6	C	0.225	2143
20820	7	D	0.246	4022
20820	7	A	0.223	2754
16510	8	D	0.219	3256
16510	8	A	0.199	2233
16510	8	C	0.179	1362
11750	9	D	0.174	1743



Equivalent Metric Size given in []; Metric sizes provided for reference only.

CABLE DATA (continued)

GALVANIZED STEEL CABLE (ASTM A475)

inches	Nom. Dia. of Strand (mm)	Number of Wires in Strand	Minimum Breaking Load (pounds)				
			Utilities Grade	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
1/8	3.18	7	-	540	910	1330	1830
5/32	3.97	7	-	870	1470	2140	2940
3/16	4.76	7	-	1150	1900	2850	3990
3/16	4.76	7	2400	-	-	-	-
7/32	5.56	3	-	1400	2340	3500	4900
7/32	5.56	7	-	1540	2560	3850	5400
1/4	6.35	3	3150	1860	3040	4730	6740
1/4	6.35	3	4500	-	-	-	-
1/4	6.35	7	-	1900	3150	4750	6650
9/32	7.14	3	-	2080	3380	5260	7500
9/32	7.14	7	4600	2570	4250	6400	8950
5/16	7.94	3	6500	2490	4090	6350	9100
5/16	7.94	7	-	3200	5350	8000	11200
5/16	7.94	7	6000	-	-	-	-
3/8	9.52	3	8500	3330	5560	8360	11800
3/8	9.52	7	11500	4250	6950	10800	15400
7/16	11.11	7	18000	5700	9350	14500	20800
1/2	12.70	7	25000	7400	12100	18800	26900
1/2	12.70	19	-	7620	12700	19100	26700
9/16	14.29	7	-	9600	15700	24500	35000
9/16	14.29	19	-	9640	16100	24100	33700
5/8	15.88	7	-	11600	19100	29600	42400
5/8	15.88	19	-	11000	18100	28100	40200
3/4	19.05	19	-	16000	26200	40800	58300
7/8	22.22	19	-	21900	35900	55800	79700
1	25.40	9	-	28700	47000	73200	104500
1	25.40	37	-	28300	46200	71900	102700
1-1/8	28.58	37	-	36000	58900	91600	130800
1-1/4	31.75	37	-	44600	73000	113600	162200

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
-	937	-	.50	1	.032	.813	.032	.81
1020	-	20	-	7	.0121	.307	.036	.91
-	1480	-	.75	1	.039	.091	.039	.99
1620	-	18	-	1	.0103	1.02	.040	1.02
1620	-	18	-	7	.0152	.386	.046	1.16
-	1974	-	1.0	1	.045	1.14	.045	1.14
-	1974	-	1.0	7	.017	.422	.061	1.30
2580	-	16	-	1	.0503	1.29	.051	1.29
2580	-	16	-	7	.0192	.468	.058	1.46
-	2960	-	1.5	1	.055	1.40	.055	1.40
-	2960	-	1.5	7	.021	5.33	.063	1.60
4110	-	14	-	1	.0641	1.63	.064	1.63
4110	-	14	-	7	.0242	.615	.073	1.84
-	4934	-	2.5	1	.071	1.80	.071	1.80
-	4934	-	2.5	7	.027	6.66	.081	2.06
6530	-	12	-	1	.0308	2.05	.081	2.05
6530	-	12	-	7	.0305	.775	.092	2.32
-	7894	-	4	1	.089	2.26	.089	2.26
-	7894	-	4	7	.034	.864	.102	2.59
10380	-	10	-	1	.1019	2.59	.102	2.59
10380	-	10	-	7	.0355	.978	.116	2.93
-	11840	-	6	1	.109	2.77	.109	2.77
-	11840	-	6	7	.042	.107	.126	3.21
13000	-	9	-	1	.1144	2.91	.114	2.91
13090	-	9	-	7	.0432	1.10	.130	3.30
16510	-	8	-	1	.1285	3.26	.128	3.25
16510	-	8	-	7	.0486	1.23	.146	3.70
-	19740	-	10	1	.141	3.58	.141	3.58
-	19740	-	10	7	.054	1.37	.162	4.12
20520	-	7	-	1	.1443	3.67	.144	3.67
20520	-	7	-	7	.0545	1.38	.164	4.15
26240	-	6	-	1	.162	4.11	.162	4.11
26240	-	6	-	7	.0612	1.55	.184	4.66
-	31580	-	16	7	.008	1.73	.204	5.13
33090	-	5	-	7	.0688	1.75	.206	5.24
41740	-	4	-	7	.0772	1.96	.232	5.88
-	49340	-	25	7	.085	2.16	.255	6.48
-	49340	-	25	19	.052	1.32	.260	6.60
52620	-	3	-	7	.0867	2.20	.260	6.61
66300	-	2	-	7	.0974	2.47	.292	7.42
-	69070	-	35	7	.100	2.54	.300	7.62
-	69070	-	35	19	.001	1.55	.305	7.75

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AWG VS. METRIC WIRE SIZES (continued)

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
83690	-	1	-	19	.0064	1.50	.332	8.43
-	98680	-	50	19	.073	1.85	.365	9.27
105000	-	1/0	-	19	.0745	1.59	.373	9.46
133100	-	2/0	-	19	.0837	2.13	.419	10.6
-	138100	-	70	19	.086	2.18	.430	10.9
167800	-	3/0	-	19	.094	2.59	.470	11.9
167800	-	3/0	-	36	.0673	1.71	.471	12.0
-	187500	-	95	19	.101	2.57	.505	12.8
-	187500	-	95	37	.072	1.83	.504	12.5
211600	-	4/0	-	19	.1055	2.89	.528	13.4
-	237.8 kcmil	-	120	37	.081	2.06	.567	14.4
250 kcmil	-	-	-	37	.0822	2.07	.575	14.6
300 kcmil	-	-	150	37	.090	2.29	.630	16.0
350 kcmil	-	-	-	37	.0973	2.47	.681	17.3
-	365.1 kcmil	-	185	37	.100	2.54	.700	17.8
400 kcmil	-	-	-	37	.104	2.64	.728	18.5
-	473.6 kcmil	-	240	37	.114	2.90	.798	20.3
-	473.6 kcmil	-	240	61	.089	2.26	.801	20.3
500 kcmil	-	-	-	37	.1162	2.95	.813	20.7
500 kcmil	-	-	-	61	.0905	2.30	.814	20.7
-	592.1 kcmil	-	300	61	.099	2.51	.891	22.6
600 kcmil	-	-	-	61	.0992	2.52	.893	22.7
700 kcmil	-	-	-	61	.1071	2.72	.964	24.5
750 kcmil	-	-	-	6	.1109	2.82	.998	25.4
750 kcmil	-	-	-	91	.0908	2.31	.998	25.4
-	789.4 kcmil	-	400	61	.114	2.90	1.026	26.1
800 kcmil	-	-	-	61	.1145	2.91	1.031	26.2
800 kcmil	-	-	-	91	.0938	2.38	1.032	26.2
1000 kcmil	986.8 kcmil	-	500	61	.1280	3.25	1.152	28.3
1000 kcmil	-	-	-	91	.1048	2.66	1.153	29.3
-	1233.7 kcmil	-	625	91	.117	2.97	1.287	32.7
1250 kcmil	-	-	-	91	.1172	2.93	1.289	32.7
1250 kcmil	-	-	-	127	.0992	2.52	1.200	32.8
1500 kcmil	-	-	-	91	.1284	3.26	1.412	36.9
1500 kcmil	-	-	-	127	.1087	2.76	1.413	36.9
-	1578.8 kcmil	-	800	91	.132	3.35	1.452	36.9
-	1973.5 kcmil	-	1000	91	.147	3.73	1.617	41.1
2000 kcmil	-	-	-	127	.1255	3.19	1.632	41.5
2000 kcmil	-	-	-	169	.1088	2.76	1.632	41.5

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200R	66	38x225HSSB	120	50x300HEBBOX	115
250Q	65	38x250HEBBOX	115	50x300HSSB	120
250R	66	38x250HSSB	120	50x325HABBOX	119
25CHENBOX	116	38x275HEBBOX	115	50x325HEBBOX	115
25CI	66	38x275HGSE	118	50x350HABBOX	119
25CP	66	38x275HSSB	120	50x350HEBBOX	115
25FWBOX	116	38x300HEBBOX	115	50x375HABBOX	119
25FWSS	120	38x325HEBBOX	115	50x375HEBBOX	115
25HSSN	120	38x350HEBBOX	115	50x400HABBOX	119
25NWBOX	116	38x400HEBBOX	115	50x400HEBBOX	115
25Q	65	38x450HEBBOX	115	50x425HABBOX	119
25R	66	38x500HEBBOX	115	50x450HABBOX	119
25SWBOX	116	38x50HEBBOX	115	50x450HEBBOX	115
25SWSLT	120	38x62HEBBOX	115	50x500HABBOX	119
25x100HEBBOX	115	38x75BWSS	120	50x500HEBBOX	115
25x125HEBBOX	115	38x75HEBBOX	115	50x550HABBOX	119
25x150HEBBOX	115	38x81FWGS	118	50x550HEBBOX	115
25x200HEBBOX	115	38x88HEBBOX	115	50x600HEBBOX	115
25x250HEBBOX	115	44CHENBOX	116	50x75HEBBOX	115
25x300HEBBOX	115	44FWBOX	116	62CHENBOX	116
25x50HEBBOX	115	44NWBOX	116	62FWABOX	119
25x62HEBBOX	115	44SWBOX	116	62FWBOX	116
25x75HEBBOX	115	44x150HEBBOX	115	62FWSS	120
31CHENBOX	116	44x200HEBBOX	115	62HANBOX	119
31CHGSN	118	45CI	66	62HGSN	118
31FWBOX	116	45CP	66	62HSSN	120
31NWBOX	116	45Q	65	62NWBOX	116
31SWBOX	116	45R	66	62NWGS	118
31x100HEBBOX	115	500Q	65	62SWALBOX	119
31x125HEBBOX	115	500R	66	62SWBOX	116
31x150HEBBOX	115	50CHENBOX	116	62SWSSMD	120
31x175HEBBOX	115	50FWABOX	119	62x100HEBBOX	115
31x200HEBBOX	115	50FWBOX	116	62x100HGSE	118
31x250HEBBOX	115	50FWSS	120	62x125HEBBOX	115
31x300HEBBOX	115	50HANBOX	119	62x150HEBBOX	115
31x50HEBBOX	115	50HGSN	118	62x175HABBOX	119
31x62HEBBOX	115	50HSSN	120	62x175HEBBOX	115
31x75HEBBOX	115	50NWBOX	116	62x175HGSE	118
32CI	66	50NWGS	118	62x200HABBOX	119
32CP	66	50SWALBOX	119	62x200HEBBOX	115
32Q	65	50SWBOX	116	62x225HABBOX	119
32R	66	50SWSSMD	120	62x225HEBBOX	115
		50x100HEBBOX	115	62x250HABBOX	119

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62x250HEBBOX	115	B-10731	88	B-10811	87
62x275HEBBOX	115	B-10732	107	B-10812	89
62x300HABBOX	119	B-10732	88	B-10813	89
62x300HEBBOX	115	B-10733	88	B-10814	90
62x300HSSB	120	B-10734	88	B-10815	90
62x325HEBBOX	115	B-10735	88	B-10816	91
62x350HABBOX	119	B-10736	88	B-10817	91
62x350HEBBOX	115	B-10737	88	B-10823	101
62x400HABBOX	119	B-10738	88	B-10824	101
62x400HEBBOX	115	B-10739	88	B-10825	101
62x450HABBOX	119	B-10740	88	B-10826	101
62x450HEBBOX	115	B-10741	88	B-10827	101
62x500HABBOX	119	B-10742	99	B-10828	101
62x500HEBBOX	115	B-10743	99	B-10829	101
62x550HABBOX	119	B-10744	99	B-10830	101
62x600HABBOX	119	B-10745	99	B-10848	96
62x600HEBBOX	115	B-10746	100	B-10849	96
65CI	66	B-10747	100	B-10850	96
65CP	66	B-10748	100	B-10851	96
65Q	65	B-10749	100	B-10852	96
65R	66	B-10750	100	B-10853	96
75NWGS	118	B-10751	100	B-10854	96
75X125HGSSB	118	B-10752	100	B-10855	96
90CI	66	B-10753	100	B-10856	69
90Q	65	B-10766	102	B-2803	83
90R	66	B-10767	102	B-2804	76
B10-0106-78	107	B-10768	102	B-2805	76
B-10024	85	B-10769	102	B-2808	76
B-10038	67	B-10770	102	B-2813	76
B-10040	67	B-10771	102	B-2815	76
B-10237	72	B-10772	102	B-2816	76
B-10238	72	B-10773	102	B-2818	76
B-10239	72	B-10774	102	B-2819	76
B-10264	78	B-10780	68	B-2821	76
B106	106	B-10781	68	B-2822	99
B106-32	107	B-10782	69	B-2823	76
B106-37	107	B-10783	71	B-2824	76
B106-41	107	B-10784	73	B-2826	76
B-10698	72	B-10785	73	B-2827	76
B-10699	72	B-10786	74	B-2828	76
B107	106	B-10787	74	B-2829	76
B-10700	72	B-10788	75	B-2831	76
B-10701	72	B-10789	75	B-2833	84
B-10702	72	B-10790	76	B-2834	84
B-10703	72	B-10791	76	B-2835	84
B-10704	72	B-10792	78	B-2836	84
B-10705	72	B-10793	79	B-2837	76
B-10706	72	B-10794	79	B-2838	76
B-10707	72	B-10795	80	B-2839	76
B-10708	72	B-10796	80	B-2840	76
B-10709	72	B-10797	81	B-2841	76
B-10710	72	B-10798	81	B-2842	67
B-10711	72	B-10799	81	B-2844	76
B-10712	72	B-10800	81	B-2845	76
B-10721	87	B-10801	81	B-2846	76
B-10722	87	B-10802	82	B-2847	76
B-10723	87	B-10803	82	B-2848	76
B-10724	87	B-10804	83	B-2849	67
B-10725	87	B-10805	85	B-2850	76
B-10726	88	B-10806	86	B-2851	76
B-10727	88	B-10807	86	B-2852	76
B-10728	88	B-10808	86	B-2853	76
B-10729	88	B-10809	86	B-2868	85
B-10730	88	B-10810	87	B-2876†	87

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Alpha-numeric Index (continued)

B-2884	87	B-3054	68	B-3258	73
B-2887	87	B-3055	68	B-3259	73
B-2889	87	B-3057	68	B-3264	73
B-2890	87	B-3059	68	B-3266	73
B-2891	99	B-3060	68	B-3267	73
B-2892	98	B-3061	68	B-3268	73
B-2893	98	B-3062	68	B-3269	71
B-2909	98	B-3065	68	B-3274	73
B-2910	67	B-3066	68	B-3276	73
B-2911	98	B-3067	68	B-3278	73
B-2912	98	B-3068	68	B-3279	73
B-2913	98	B-3070	81	B-3280	73
B-2914	68	B-3071	68	B-3281	73
B-2915	68	B-3072	68	B-3283	73
B-2916	68	B-3073	68	B-3285	73
B-2926	69	B-3074	68	B-3286	73
B-2928	69	B-3080	81	B-3287	73
B-2939	98	B-3126	72	B-3288	73
B-2940	98	B-3127	72	B-3290	73
B-2949	68	B-3128	72	B-3292	73
B-2950	69	B-3140	81	B-3293	73
B-2954	98	B-3147	69	B-3294	73
B-2971	71	B-3148	69	B-3295	73
B-2985	98	B-3149	69	B-3297	101
B-2986	98	B-3150	69	B-3298	73
B-2989	98	B-3151	69	B-3299	73
B-2990	98	B-3152	69	B-3300	73
B2D12	28	B-3157	69	B-3301	73
B2D12N	28	B-3159	69	B-3302	101
B2E12	28	B-3160	69	B-3304	73
B2E12N	28	B-3161	69	B-3305	73
B2F12	28	B-3167	69	B-3306	73
B2F12N	28	B-3169	69	B-3307	73
B2G12N	28	B-3171	69	B-3321	74
B-3004	67	B-3172	69	B-3322	74
B-3005	67	B-3173	69	B-3323	74
B-3006	67	B-3174	69	B-3325	74
B-3008	67	B-3176	69	B-3327	74
B-3010	67	B-3178	69	B-3328	74
B-3011	67	B-3179	69	B-3336	74
B-3012	67	B-3180	69	B-3337	74
B-3013	67	B-3181	69	B-3338	74
B-3014	67	B-3183	69	B-3340	74
B-3015	67	B-3185	69	B-3342	74
B-3021	68	B-3186	69	B-3343	74
B-3022	68	B-3187	69	B-3344	74
B-3023	68	B-3188	69	B-3345	74
B-3024	68	B-3191	69	B-3346	74
B-3025	68	B-3192	69	B-3354	74
B-3026	68	B-3193	69	B-3355	74
B-3031	68	B-3194	69	B-3356	74
B-3033	68	B-3197	69	B-3358	74
B-3034	68	B-3198	69	B-3360	74
B-3035	68	B-3199	69	B-3361	74
B-3041	68	B-3200	69	B-3362	74
B-3043	68	B-3201	69	B-3363	74
B-3044	70	B-3202	69	B-3364	74
B-3045	68	B-3234	71	B-3365	74
B-3046	68	B-3237	71	B-3370	96
B-3047	68	B-3238	71	B-3372	75
B-3048	68	B-3254	73	B-3373	75
B-3051	68	B-3255	73	B-3374	75
B-3052	68	B-3256	73	B-3376	75
B-3053	68	B-3257	73	B-3378	75

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B-3379	75	B-3502	79	B-3601	91
B-3387	75	B-3503	79	B-3602	91
B-3388	75	B-3504	79	B-3603	91
B-3389	75	B-3505	79	B-3606	91
B-3391	75	B-3506	79	B-3607	91
B-3392	70	B-3522	83	B-3610	91
B-3393	75	B-3523	83	B-3611	91
B-3394	75	B-3524	83	B-3612	91
B-3395	75	B-3525	83	B-3613	91
B-3396	75	B-3527	83	B-3614	91
B-3397	75	B-3529	83	B-3615	91
B-3405	75	B-3530	83	B-3616	91
B-3406	75	B-3534	89	B-3617	91
B-3407	75	B-3535	89	B-3618	91
B-3409	75	B-3536	89	B-3619	91
B-3411	75	B-3537	89	B-3620	91
B-3412	75	B-3538	89	B-3621	91
B-3413	75	B-3539	89	B-3624-H	99
B-3414	75	B-3540	89	B-3625-H	99
B-3415	75	B-3541	89	B-3628	92
B-3416	75	B-3544	89	B-3629	92
B-3419	78	B-3545	89	B-3630	92
B-3421	78	B-3548	89	B-3631	92
B-3423	78	B-3549	89	B-3632	92
B-3424	78	B-3550	89	B-3633	92
B-3425	78	B-3551	89	B-3634	92
B-3426	78	B-3552	89	B-3635	92
B-3427	78	B-3553	89	B-3636	92
B-3428	78	B-3554	89	B-3637	92
B-3432	71	B-3555	89	B-3638	92
B-3445	80	B-3556	89	B-3639	92
B-3446	80	B-3557	89	B-3640	92
B-3447	80	B-3558	89	B-3641	92
B-3449	80	B-3559	89	B-3642	92
B-3451	80	B-3560	89	B-3643	92
B-3452	80	B-3563	90	B-3644	92
B-3453	80	B-3565	90	B-3645	92
B-3454	80	B-3566	90	B-3646	92
B-3455	80	B-3567	90	B-3647	92
B-3456	80	B-3568	90	B-3648	92
B-3462	82	B-3569	90	B-3649	92
B-3463	82	B-3570	90	B-3703	94
B-3464	82	B-3571	90	B370320-01	66
B-3466	82	B-3572	90	B370320-02	66
B-3468	82	B-3575	90	B370320-03	66
B-3469	82	B-3576	90	B-3704	94
B-3470	82	B-3579	90	B-3705	94
B-3471	82	B-3580	90	B-3706	94
B-3472	82	B-3581	90	B-3707	94
B-3473	82	B-3582	90	B-3708	94
B-3479	78	B-3583	90	B-3709	94
B-3480	78	B-3584	90	B-3710	94
B-3481	78	B-3585	90	B-3711	94
B-3483	78	B-3586	90	B-3712	94
B-3485	78	B-3587	90	B-3713	94
B-3486	78	B-3588	90	B-3714	94
B-3487	78	B-3589	90	B-3715	94
B-3488	78	B-3590	90	B-3716	94
B-3489	78	B-3595	91	B-3717	94
B-3490	78	B-3596	91	B-3718	94
B-3496	79	B-3597	91	B-3719	94
B-3497	79	B-3598	91	B-3720	94
B-3498	79	B-3599	91	B-3721	94
B-3500	79	B-3600	91	B-3722	94

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B-3723	94	B-3838	95	B-4094	97
B-3724	94	B-3839	95	B-4095	97
B-3732	70	B38-3922-00	67-71, 73-96, 98-102, 108, 109	B-4096	97
B-3740	102			B-4097	97
B-3747	81	B-3840	95	B-4098	97
B-3748	96	B-3841	95	B-4099	97
B38-0101-00	83-96, 98, 99, 109	B38-4129-00	84-89, 108	B-4100	97
		B38-4129-05	108	B-4101	97
B38-0101-01	109	B-3842	95	B-4102	97
B38-0135-00	67-71, 73-96, 98-102, 108	B-3843	95	B-4103	97
		B-3844	95	B-4104	97
B38-0302-00	109	B-3845	95	B-4113	102
B38-0302-02	109	B-3846	95	B-4114	81
B38-0303-00	109	B-3847	95	B-4123	96
B38-0304-00	109	B-3848	95	B-4145	70
B38-0305-00	109, 114	B-3849	95	B-4146	84
B38-0306-00	108, 109	B-3850	95	B-4147	84
B38-0307-00	109	B-3851	95	B-4148	84
B38-0308-00	109	B-3852	95	B-4149	84
B38-0309-00	67-71, 73-96, 98-102, 109	B-3876	102	B-4152	84
		B3D12	28	B-4153	84
B38-0309-01	109	B3D12N	28	B-4154	84
B38-0330-00	67-71, 73-82, 100-102, 108	B3E12	28	B-4155	84
		B3E12N	28	B-4156	84
B-3804	93	B3F12	28	B-4157	84
B-3805	93	B3F12N	28	B-4158	84
B-3806	93	B3G12	28	B-4159	84, 86
B-3807	93	B3G12N	28	B-4160	84, 86
B-3808	93	B40-0106-27	107	B-4161	84, 86
B-3809	93	B40-0106-75	106	B-4162	84, 86
B38-0904-00	109	B40-0106-76	107	B-4163	84, 86
B-3810	93	B40-0106-77	107	B-4164	84, 86
B-3811	93	B40-0319-01	108	B-4165	84, 86
B-3812	93	B40-0319-03	108	B-4166	84, 86
B-3813	93	B40-3657-00	106	B-4167	86
B-3814	93	B40-4431-00	107	B-4168	86
B-3815	93	B40-4431-01	107	B-4173	86
B-3816	93	B-4060	70	B-4174	86
B-3817	93	B-4066	97	B-4175	86
B-3818	93	B-4067	97	B-4176	86
B-3819	93	B-4068	97	B-4177	86
B-3820	93	B-4069	97	B-4178	86
B-3821	93	B-4070	97	B-4179	86
B-3822	93	B-4071	97	B-4180	86
B-3823	93	B-4072	97	B-4181	86
B-3824	93	B-4073	97	B-4182	86
B-3825	93	B-4074	97	B-4183	86
B-3826	93	B-4075	97	B-4188	85
B-3827	93	B-4076	97	B-4191	85
B-3828	93	B-4077	97	B-4192	85
B-3829	93	B-4078	97	B-4193	85
B-3831	95	B-4079	97	B-4254	71
B-3832	95	B-4080	97	B-4257	98
B-3833	95	B-4081	97	B-4260	71
B-3834	95	B-4082	97	B-4263	102
B-3835	95	B-4083	97	B-4266	98
B-3836	95	B-4084	97	B-4274	87
B38-3662-01	110	B-4085	97	B-4284	88
B38-3662-02	110	B-4086	97	B-4285	99
B38-3662-03	110	B-4087	97	B-4289	70
B38-3662-04	110	B-4090	97	B-4290	71
B38-3662-05	110	B-4091	97	B-4291	71
B38-3662-06	110	B-4092	97	B-4292	71
B-3837	95	B-4093	97	B-4302	71

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B-4303	71	B-4834	83	B-9801	96
B-4311	71	B-4835	83	B-9802	96
B-4319	71	B-4881	75	B-9803	96
B-4325	71	B-4882	76	B-9804	96
B-4337	71	B-4915	88	B-9805	96
B-4338	71	B-4935	96	B-9807	96
B-4344	96	B-4966	96	B-9811	96
B-4347	71	B-4980	70	B-9823	81
B-4348	73	B-4981	70	B-9878	87
B-4350	73	B4D12	28	B-9892	101
B-4351	74	B4D12N	28	B-9993	71
B-4352	74	B4E12	28	B-9998	101
B-4381	74	B4E12N	28	BA-200	110
B-4382	99	B4F12	28	BA-201	110
B-4383	99	B4F12N	28	BA-202	110
B-4392	74	B4G12N	28	BA-203	110
B-4412	74	B-6902	96	BA-204	110
B-4413	74	B-8677	72	BA-205	110
B-4414	74	B-8692	102	BA-207	110
B-4471	99	B-8762	70	BA-208	110
B-4486	75	B-8782	100	BA-209	110
B-4503	75	B-8787	100	BA-211	110
B-4505	75	B-8789	100	BA-212	110
B-4513	75	B-8790	100	BA-213	110
B-4515	75	B-8793	100	BA-214	110
B-4518	75	B-8813	100	BA-215	110
B-4522-H	99	B-8968	77	BA-240	110
B-4527	78	B-8969	77	BAGCNVS5X9X24	139
B-4529	78	B-8970	77	BAT18VLI	128-130, 135-137
B-4530	78	B-8971	77	BB024L6T14	26
B-4534	78	B-8972	77	BB024L9T14	26
B-4536	78	B-8973	77	BB048L6T14	26
B-4537	79	B-8974	77	BB048L9T14	26
B-4538	79	B-8975	77	BB067L6T14	26
B-4551	79	B-8976	77	BB067L9T14	26
B-4552	79	B-8977	77	BBB-14210A	42
B-4560	79	B-8979	77	BBB-14224B	42
B-4585	79	B-8980	77	BBB-14410C	42
B-4592	79	B-8981	77	BBB-14410D	42
B-4601	81	B-8982	77	BBB-14412E	42
B-4602	79	B-8984	77	BBB-14412F	42
B-4617	79	B-8985	77	BBB-14416G	42
B-4622	79	B-8986	77	BBB-14416H	42
B-4638	79	B-8987	77	BBB-14420J	42
B-4641	79	B-8988	77	BBB412UD	42
B-4643	73	B-8989	77	BBB-424-UD	42
B-4644	74	B-8990	77	BBB-HR19	42
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