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GUV1584 U BOLT GROUND CLAMP

ABB INSTALLATION PRODUCTS, INC

Catalog Number	GUV1584
Manufacturer	ABB INSTALLATION PRODUCTS, INC
Description	U-Bolt Copper Ground Clamp, Stainless Steel U-Bolt, Wire Range 8 - 4, Rod Size 1-5/8 to 1-7/8 Inches, IPS Pipe Size Max 1-1/2 Inches, Length 3-15/16 Inches, Width 3-3/16 Inches, Depth 1-9/16 Inches
Weight per unit	0.9500 (lbs/each)
Product Category	Ground Rods & Grounding System

Features

Conductor Size	8 - 4 AWG

Material, Color, and Finish

Conductor Material	Copper

Dimensions and Weight

Length	3-15/16 in

Descriptions

Description	U BOLT GROUND CLAMP
Long Description	U-Bolt Copper Ground Clamp, Stainless Steel U-Bolt, Wire Range 8 - 4, Rod Size 1-5/8 to 1-7/8 Inches, IPS Pipe Size Max 1-1/2 Inches, Length 3-15/16 Inches, Width 3-3/16 Inches, Depth 1-9/16 Inches
Product Type	U Bolt GRD Clamp Cond Range 4-8
Special Features	Excellent for connecting copper or copper-clad steel grounding conductor to ground rod or pipe. Specially designed spacer provides proper alignment between cable and elctrode and affords more positive contact area
Extra Long Description	ABB GUV1584 U BOLT GRD CLAMP COND R

Manufacturer Information

Brand	ABB - Installation Products Blackburn Grounding
GTIN	00783786803613
Manufacturers Part Number	GUV1584
UPC	786210

Taxonomies, Classifications, and Categories

Category Description	SERVICE ENTRANCE FITTINGS: Weatherheads & Grounding Fittings & Ground Rods
Type	GROUND CLAMP

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Packaging

Carton	10
Package	60
Weight Per Each	0.9500 (lbs/each)

Uses, Certifications, and Standards

Standard	UL E3060, CSA 12798

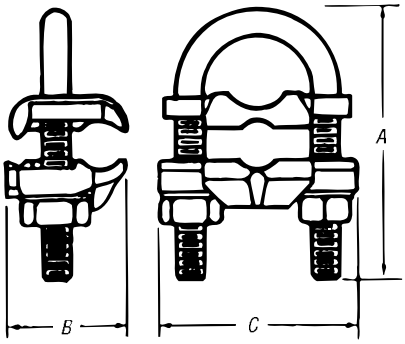
Ground Clamps

Excellent for connecting multiple electrodes with a single cable, such as in substation grounding.

Type GUV — U-Bolt Ground Clamps

- For connecting copper or copper-clad steel grounding conductor to ground rod or pipe
- Specially designed spacer provides proper alignment between cable and electrode and affords more positive contact area
- All components cast or forged from copper alloy
- UL® 467 Listed for direct burial





DB UL

CAT. NO.*	CONDUCTOR RANGE (CU)		NOMINAL ROD SIZE (IN)		IPS PIPE SIZE		DIMENSIONS (IN.)		
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	A	B	C
GUV584	4	8	¾	⅝	⅜	—	2 13/16	1 9/16	2¼
GUV5821	2/0	4	¾	⅝	⅜	—	2 13/16	1 9/16	2¼
GUV5825	250	2/0	¾	⅝	⅜	—	2 13/16	1 9/16	2¼
GUV784	4	8	1	⅞	¾	½	2¾	1 9/16	2⅝
GUV7821	2/0	4	1	⅞	¾	½	2¾	1 9/16	2⅝
GUV7825	250	2/0	1	⅞	¾	½	2¾	1 9/16	2⅝
GUV1184	4	8	1¼	1⅛	1	—	3 5/16	1 9/16	2¾
GUV11821	2/0	4	1¼	1⅛	1	—	3 5/16	1 9/16	2¾
GUV1384	4	8	1½	1⅜	1¼	—	3 7/16	1 9/16	2 15/16
GUV13821	2/0	4	1½	1⅜	1¼	—	3 7/16	1 9/16	2 15/16
GUV13825	250	2/0	1½	1⅜	1¼	—	3 7/16	1 9/16	2 15/16
GUV1584	4	8	1⅝	1⅜	1½	—	3 15/16	1 9/16	3 3/16
GUV15821	2/0	4	1⅝	1⅜	1½	—	3 15/16	1 9/16	3 3/16
GUV15825	250	2/0	1⅝	1⅜	1½	—	3 15/16	1 9/16	3 3/16
GUV204	4	8	2⅜	2	2	—	4 1/16	1 9/16	3 11/16
GUV2021	2/0	4	2⅜	2	2	—	4 1/16	1 9/16	3 11/16
GUV2025	250	2/0	2⅜	2	2	—	4 1/16	1 9/16	3 11/16
GUV21221	2/0	4	2⅞	2½	2½	—	4 15/16	1 9/16	4 3/16
GUV21225	250	2/0	2⅞	2½	2½	—	4 15/16	1 9/16	4 3/16
GUV3021	2/0	4	3½	3	3	—	5 9/16	1 9/16	4 13/16
GUV3025	250	2/0	3½	3	3	—	5 9/16	1 9/16	4 13/16
GUV31221	2/0	4	4	3½	3½	—	6 1/16	1 9/16	5½
GUV4021	2/0	4	4½	4	4	—	6 5/16	1 9/16	5 11/16
GUV4025	250	2/0	4½	4	4	—	6 5/16	1 9/16	5 11/16

** For tin plating, add suffix P to Cat. No. Contact factory for price and availability.*
UL® does not list tin-plated bronze grounding devices.

Ground Clamps

Water Pipe Ground Clamps

CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE
2-TB	#6, #4, #2	½", ¾", 1" or rebar 4-10
3-TB	#6, #4, #2	1¼", 1½" or 2"
4	#6, #4, #2	2½", 3" or 3½"
5-TB	#6, #4, #2	4", 4½" or 5"
6	#6, #4, #2	6"

Malleable iron. #6 – #2 AWG ground wire.



Water Pipe Ground Clamps

CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE
3902	#4–4/0 AWG	½"–1"
3903	#4–4/0 AWG	1¼"–2"
3904	#4–4/0 AWG	2½"–3½"
3905-TB	#4–4/0 AWG	4"–5"
3906-TB	#4–4/0 AWG	6"
3907	#4–4/0 AWG	8"
3908	#4–4/0 AWG	10"
3909-TB	#4–4/0 AWG	12"

CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE
3902BU*	#4–4/0 AWG	½"–1"
3903BU*	#4–4/0 AWG	1¼"–2"
3904BU*	#4–4/0 AWG	2½"–3½"
3905BU*	#4–4/0 AWG	4"–5"
3906BU*	#4–4/0 AWG	6"
3907BU*	#4–4/0 AWG	8"
3908BU*	#4–4/0 AWG	10"
3909BU*	#4–4/0 AWG	12"

** UL Listed for direct burial*

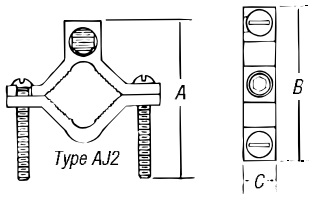


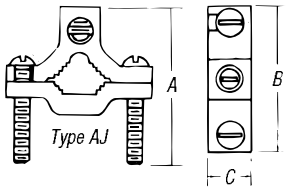
For connecting grounding conductor to either steel or copper pipe, rod or tubing.

Aluminum Water Pipe Clamp

- For use with copper or aluminum conductor
- Tin plated for corrosion resistance







CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.	DIMENSIONS (IN.) A	DIMENSIONS (IN.) B	DIMENSIONS (IN.) C	STEEL CLAMP SCREW	ALUMINUM WIRE SCREW
AJ	½–1	1/0 Str.	#14 Sol.	2½	2¼	⅝	¼–20	5/16–20 slot
AJ-2	1½–2	250 kcmil	#6	3⅞	3¾	⅞	5/16–18	11/16–20 socket
AJ-2124	2½–4	250 kcmil	#6	5 9/16	6 5/16	⅛	⅜–16	11/16–20 socket

UL Listed for both copper and aluminum conductors to steel pipe and copper water tubing

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Ground Clamps

Economically priced clamps.

Die-Cast Clamps

- Made of die-cast zinc alloy with zinc-plated screws
- Model BJA for use with armored cable



CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.
BJ-1	½"–1"	#2 str.	#10 sol.
BJA*	½"–1"	#6 AWG	#8 AWG

** Not UL Listed*

Flexible copper strap makes alignment easy.

Cast Bronze Clamps with Copper Strap

- For grounding rigid conduit systems
- Same features as "JP" clamp plus flexible copper strap
- Strap helps protect conduit system from water system vibrations
- Furnished with zinc-plated screws



CAT. NO.	CONDUIT SIZE	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.
JPS-12	½"	½"–1"	#6 sol.	#10 sol.
JPS-34	¾"	½"–1"	2/0 str.	#10 sol.
JPS-1	1"	½"–1"	3/0 str.	#10 sol.

Add suffix C to Cat. No. to specify plating.

Ground Clamps

Connects copper ground wire to water pipe or copper tubing.

Cast Bronze Ground Clamps

- High-strength, high-conductivity copper alloy (over 80% copper)
- UL® 467 Listed for direct burial



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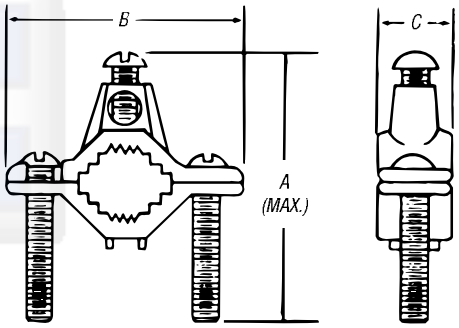
CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE
JD	½"–1"	#2 str.–#10 str.
J2D	1¼"–2"	#2 str.–#10 str.

For connecting grounding conductor to water pipe or copper tube.

Type J — Cast Bronze Ground Clamps

- Cast of high-strength, highly conductive copper alloy
- Screws plated for corrosion resistance
- UL® Listed





CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE		DIMENSIONS (IN.)		
		MAX.	MIN.	A (MAX.)	B	C
J	½"–1"	#2 str.	#10 sol.	2¾	2 11/32	23/32
J2BB	1¼"–2"	#2 str.	#10 sol.	3¾	3½	13/16
J2124	2½"–4"	#4 str.	#10 sol.	6	6 5/16	1
J6	4¼"–6"	#4 str.	#10 sol.	7¼	8⅛	1

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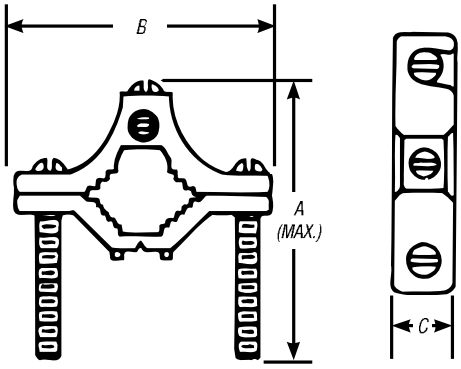
www.tnb.com

Ground Clamps

Similar to aluminum water pipe clamp but lighter in construction.

Budget Price Cast Bronze Clamp





CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.	DIMENSIONS (IN.) A	DIMENSIONS (IN.) B	DIMENSIONS (IN.) C
JJR	½"–1"	#4 Str.	#10 Sol.	2 15/32	25/32	1/32

Add suffix C to Cat. No. to specify plating.

Lay-in feature reduces installation time for difficult bends or continuous loops of ground wire.

Type JDLI — Direct-Burial Ground Clamp

- UL® Listed for direct burial in earth/concrete
- UL® Listed for connection to ground rod, pipe or rebar up to 1"
- Constructed from bronze alloy and high performance stainless steel bolts
- Designed for easy installation of difficult bends or continuous loops



DB UL CSA

CAT. NO.	PIPE SIZE	REBAR SIZE	GROUND ROD SIZE	CONDUCTOR RANGE	MECH. CONN./SPLICE (UL LISTED)
JDLI	½"–1"	⅜"–1"	¼"–1"	#10 Sol.–#2 Str.	(2) #8 Sol.

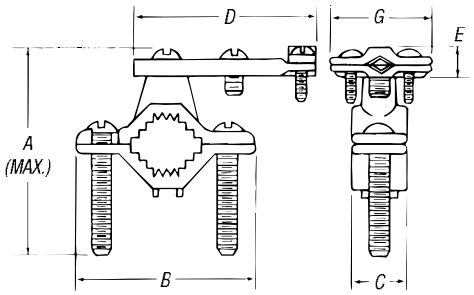
Ground Clamps

For connecting armored cable to water pipe.

Cast Bronze Clamp

- Clamping portion similar to standard "J" clamp
- Special pressure bar grips armor or outer cable insulation to reduce chance of grounding conductor being pulled out
- Furnished with zinc-plated screws





CAT. NO.	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.	DIMENSIONS (IN.) A	B	C	D	E	G
JA	½"–1"	#6 sol.	#10 sol.	2¾	2 11/32	25/32	2 9/32	15/32	1⅜
JA-2	1¼"–2"	#6 sol.	#10 sol.	3¾	3½	13/16	2 9/32	15/32	1⅜
JA-2124	2½"–4"	#6 sol.	#10 sol.	6	6 5/16	1	2 9/32	15/32	1⅜

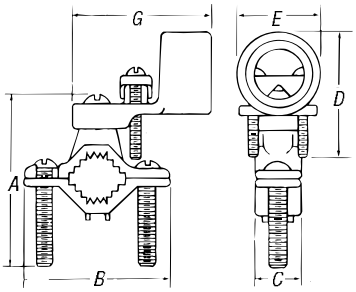
Add suffix C to Cat. No. to specify plating.

For grounding rigid conduit systems.

Cast Bronze Clamps for Conduit

- Continuity from rigid conduit system to ground provided by cast bronze threaded conduit hub
- Hub swings 360° for easy alignment
- Heavy brass washer protects clamped grounding conductor
- Furnished with zinc-plated screws
- Cast bronze pipe clamping portion identical to that used in "JA" clamp





CAT. NO.	CONDUIT SIZE	WATER PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.	DIMENSIONS (IN.) A	B	C	D	E	G
JP-12	½	½"–1"	#6 sol.	#10 sol.	2¾	2 11/32	23/32	1 9/64	1	2½
JP-212	½	1¼"–2"	#6 sol.	#10 sol.	3¾	3½	13/16	1 9/64	1	2½
JP-212412	½	2½"–4"	#6 sol.	#10 sol.	6	6 5/16	1	1 9/64	1	2½
JP-34	¾	½"–1"	#2/0 str.	#10 sol.	2¾	2 11/32	23/32	2 5/16	1¼	2 3/16
JP-234	¾	1¼"–2"	#2/0 str.	#10 sol.	3¾	3½	13/16	2 5/16	1¼	2 3/16
JP-212434	¾	2½"–4"	#2/0 str.	#10 sol.	6	6 5/16	1	2 5/16	1¼	2 3/16
JP-1	1	½"–1"	#3/0 str.	#10 sol.	2¾	2 11/32	23/32	2 5/16	1½	2⅜
JP-21	1	1¼"–2"	#3/0 str.	#10 sol.	3¾	3½	13/16	2 5/16	1½	2⅜
JP-21241	1	2½"–4"	#3/0 str.	#10 sol.	6	6 5/16	1	2 5/16	1½	2⅜

Add suffix C to Cat. No. to specify plating.

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Ground Clamps

Hub swings 360° for ease of alignment.

Type JPT — Cast Bronze Clamps for Conduit

- Pipe clamping portion identical to "JA" clamp
- Pressure-bar type conduit hub adjusts to fit ½" or ¾" EMT or ½" rigid conduit
- Brass washer provides positive contact with grounding conductor
- Furnished with zinc-plated screws



CAT. NO.	CONDUIT SIZE	PIPE SIZE	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.
JPT	½" or ¾" EMT ½" Rigid	½" to 1"	#6 Sol.	#10 Sol.
JPT2		1¼" to 2"		
JPT4		2½" to 4"		

Conduit Hubs



CAT. NO.	GROUND WIRE SIZE AWG	CONDUIT SIZE
3930	#8 to #2	½" Conduit
3940	#8 to #2	¾" Conduit
3950	#8 to 3/0	1" Conduit
3951	#8 to 4/0	1¼" Conduit

Material: Malleable iron

Provides positive connection between rigid conduit and water system.

Type CH — Bronze Conduit Hubs

- Used in conjunction with "J" clamp
- Rugged cast-bronze threaded hub



CAT. NO.	CONDUIT SIZE (IN.)	CONDUCTOR RANGE MAX.	CONDUCTOR RANGE MIN.
CH12	½	#6 Sol.	#10 Sol.
CH34	¾	2/0 Str.	#10 Sol.
CH1BB	1	3/0 Str.	#10 Sol.

Ground Clamps

Ground Clamp

CAT. NO.	MATERIAL	WATER PIPE, COPPER TUBING SIZE	GRD. ROD SIZE
3826†	M.I.	½", ¾"	½"–1"
3846†	Bronze	½", ¾"	½"–1"
3849•	Brass	½"–1" O.D.	
3840-TB‡	M.I.	½", ¾" or 1"	

† *For unarmored copper wire #6, #4.*

• *For copper and aluminum conductors; for 14 thru 2 cu. unarmored copper wire — corrosive and outdoor use. UL® approved for direct burial.*

‡ *#8 thru #4 AWG. Not CSA Certified.*



3826



3849



3840-TB

Ground Clamps for K&L Grade Copper Tubing Only

CAT. NO.	GROUND WIRE RANGE	WATER PIPE & GROUND ROD SIZE/ DESC.
3844*	#8–#4	½"–1"
3888†	#8–#4	½"–1" also rebar 4–10
961	#8	⅜"–1"
962**	#8	⅜"–2"
963**	#8	⅜"–3"

CAT. NO.	DESCRIPTION/CABLE SIZE
31215	Strain-Relief Grounding Lug, #6–#2
31216	Grounding Clamp, 1" Hook-Type, #6–#2
31253	Grounding Clamp, 1-½" Hook-Type, #6–#2
31217	Ground Clamp, 1" Straight-Type, #6–#2
31224	Grounding Clamp, 1-½" Straight-Type, #6–#2
31230	Wing Screw only

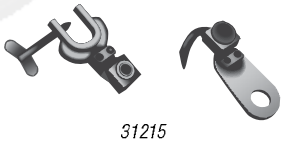
* *With steel screws.*

** *With bronze screws, not CSA Certified — or UL® Listed.*

† *UL® approved for direct burial. Silicon bronze screws.*



3844
For armored and unarmored wire



31215
Disconnect static ground clamp and lug, straight-type (cable not supplied), UL not applicable



961
For radio, motor frame and equipment grounding

Cable Tray Ground Clamp

Material: Malleable iron

Standard Finish: Zinc plated

CAT. NO.	DESCRIPTION
10105*	For Single Conductors #4 sol. to 2/0 str.
10109**	For Single Conductors 2/0 sol. to 4/0 str.

* *UL® Listed #4 to 2/0 AWG copper.*

** *UL® Listed 2/0 to 4/0 AWG copper/aluminum.*

CSA File No. 2884.



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Ground Clamps

For aluminum and steel cable trays with regular or reinforced flanges.

Tray Clamps



- Serrations and biting teeth on clamping saddle provide a high-quality bond between conduit and clamp
- Can be clamped to any position in a 90° arc
- Hardened steel screws bite into tray and provide positive bond
- Malleable iron hub and steel U-bolt accept conduit from any angle

CAT. NO.	CLAMP TYPE	CONDUIT SIZE
6209	Swivel	½"–¾"
6210	Straight	½"–¾"
6211	Swivel	1"–1¼"
6212	Straight	1"–1¼"
6214	Swivel	1½"–2"
6216	Swivel	2½"–3"
6218	Swivel	3½"–4"

Efficiently grounds trailer frames, cable trays, CATV and telephone pedestals.

Beam Grounding Clamp



- Connects #6 to #14 solid copper conductor to metal frames where continuity of grounding can be assured
- 7/16" silicon bronze hex-head bolt installs with cam-wrench, socket or crescent wrench
- Tin-plated square-head bolt enables installation with pliers when tighter ground connection is needed
- Ground wire hole access from four directions minimizes need to bend ground wire
- Designed so ground wire may be installed on clamp prior to mounting clamp on metal frame, reducing installation time
- Beam and ground wire connection can be tightened separately with disconnecting integrity of ground circuit
- High-strength copper alloy (91% nom.) provides greater conductivity, durability and corrosion resistance without the need for plating
- High-strength anchoring bolt penetrates paint or metal oxide

CAT. NO.	DESCRIPTION	CONDUCTOR SIZE (AWG)
TGC	Square-Head Tin-Plated Steel Bolt	#6 to #14 sol.

Listed to UL® 467