

GROUNDING & BONDING

# Pool & Spa Solutions



Connecting Power to Your World®



# Relax. With BURNDY, You're Grounded.

Before millions of Americans can escape the heat with a dip in a cool pool or warm up in a muscle-soothing hot tub, there's a lot that goes into ensuring these recreational staples are as relaxing—and safe for you and your customer as possible.

BURNDY offers a complete line of grounding connectors for the pool and spa market: lay-in lugs, ground mesh, ground connectors for rebar, ground lugs and water bonding kits. Working together, we can ensure the success of vacation days—no matter the weather around us.

## **About Us**

With corporate headquarters in Manchester, New Hampshire, BURNDY employs more than 1,200 employees, including more than 125 BURNDY® Factory Direct Sales Representatives and top manufacturing representatives. We staff manufacturing sites throughout New England, the American Midwest and Canada, plus a distribution center in New Hampshire. As a global company, we have offices in Mexico, Brazil and Canada in addition to our engineering and marketing business units in India. We also have 20 fully equipped demonstration trucks in the United States, Canada and Mexico.

**Whether you're looking for information about the products you plan to install or how existing products are performing, we have the solutions you need.**



## Products for Pool & Spa Applications

Product	Purpose	Catalog Number
<b>Split Bolts*</b>	Connect to rebar or to the GRIDMAX™	KS23
<b>Copper Wire Grid (GRIDMAX™)*</b>	Equipotential bonding	GRIDMAX™
<b>Lay-in Lug*</b>	Bonds metal components	CL50-1
		KPB4CG1
<b>Wire to Rebar*</b>	Bonding to rebar	C11K16D
		C11K17D
<b>Wire Terminal*</b>	Bonding of motor and equipment	GKA4C
<b>Water Bonding Kit</b>	Maintain constant contact with pool water	BWB680

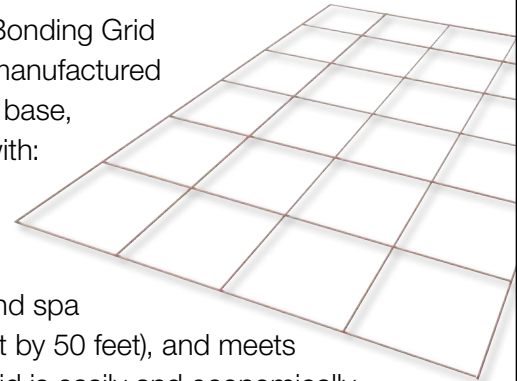
*\*Suitable for direct burial*

### BURNDY® GRIDMAX™

The BURNDY® GRIDMAX™ Equipotential Bonding Grid is made of prefabricated wire mesh and manufactured from bare solid copper. Starting from this base, the GRIDMAX™ grid can be customized with:

- 4-, 6- or 12-inch centers
- Lengths from 4 to 100 feet

Sizes are made specifically for the pool and spa market (from 3 feet by 100 feet, and 3 feet by 50 feet), and meets NEC article 680.26(C). The GRIDMAX™ grid is easily and economically installed using BURNDY® HYGROUND® compression grounding, BURNDY® mechanical connectors or BURNDYWeld® exothermic.



### HYGROUND® Compression Grounding

HYGROUND® meets the most stringent safety and performance requirements, including UL96, UL467, CSA and IEEE837, and is approved for direct burial.



All HYGROUND® connectors can be installed in any type of weather in less than three minutes. The HYGROUND® system is known for its top quality and long-term performance.

GRIDMAX™ meets NEC article 680.26(C) – Equipotential Bonding Grid. “The parts specified in 680.26(B) shall be connected to an equipotential bonding grid with a solid copper conductor...” 680.26(C)(3)(b) “Grid Structure. The equipotential bonding grid shall cover the contour of the pool and the pool deck extending 1m (3 ft.) horizontally from the inside walls of the pool. The equipotential bonding grid shall be arranged in a 300mm (12 in.) by 300mm (12 in.) network of conductors in a uniformly spaced perpendicular grid pattern with tolerance of 100mm (4 in.)”

The NEC requires that “electrical equipment shall be grounded...” “The following equipment shall be grounded”... “All electrical equipment located within 1.5 m (5ft) of the inside wall of the specified body of water.” (Article 680.6)

This equipment also includes drain, rebar, water inlet, skimmer, ladder, slides, diving structure, underwater lighting, junction boxes, and water circulating/heating equipment.

**Using BURNDY® Grounding products assures you will meet the applicable NEC requirements.**

## Mechanical Connectors

### Lay-In Lugs

The lay-in-lug style makes it easy to ground the conductor to a pool's steel frame or in other continuous-run applications.

#### *CL50-1*

This copper lay-in lug accepts 14–4 AWG with a #10 stud. The CL501 is UL Listed and CSA Certified.

#### *KPB4CG1RK*

Accommodates #10–4 copper wire where continuous conductor runs are preferable. The KPB4CG1RK is UL486 and UL467 listed for direct burial in earth and concrete.

### Wire to Rebar Connectors

BURNDY® wire-to-rebar connectors have an open-face design to make it easy to lay in to the tap conductor.

#### *C11K16D and C11K17D*

These cast bronze ground clamps fit ½- to 1-inch water pipes, and are compatible with #4–6 rebar and 10 AWG–2 AWG.

### Wire Terminal

BURNDY offers a range-taking terminal for grounding outdoor equipment, such as motors, ladders, slides and lighting.

#### *GKA4C*

Made of copper alloy, this wire terminal accepts 14 AWG–4 AWG and is ROHS compatible.



### Pool Water Bonding Kit

#### BWB680 Series

In compliance with NEC 680.26(C), the BURNDY® BWB680 series maintains constant contact with pool water to ensure that the pool is effectively bonded at all times. Unlike other products, the BURNDY® BWB680 is placed in the pool's skimmer, ensuring it is always in contact with the water.

Made of non-corrosive stainless steel, the BWB680 kit:

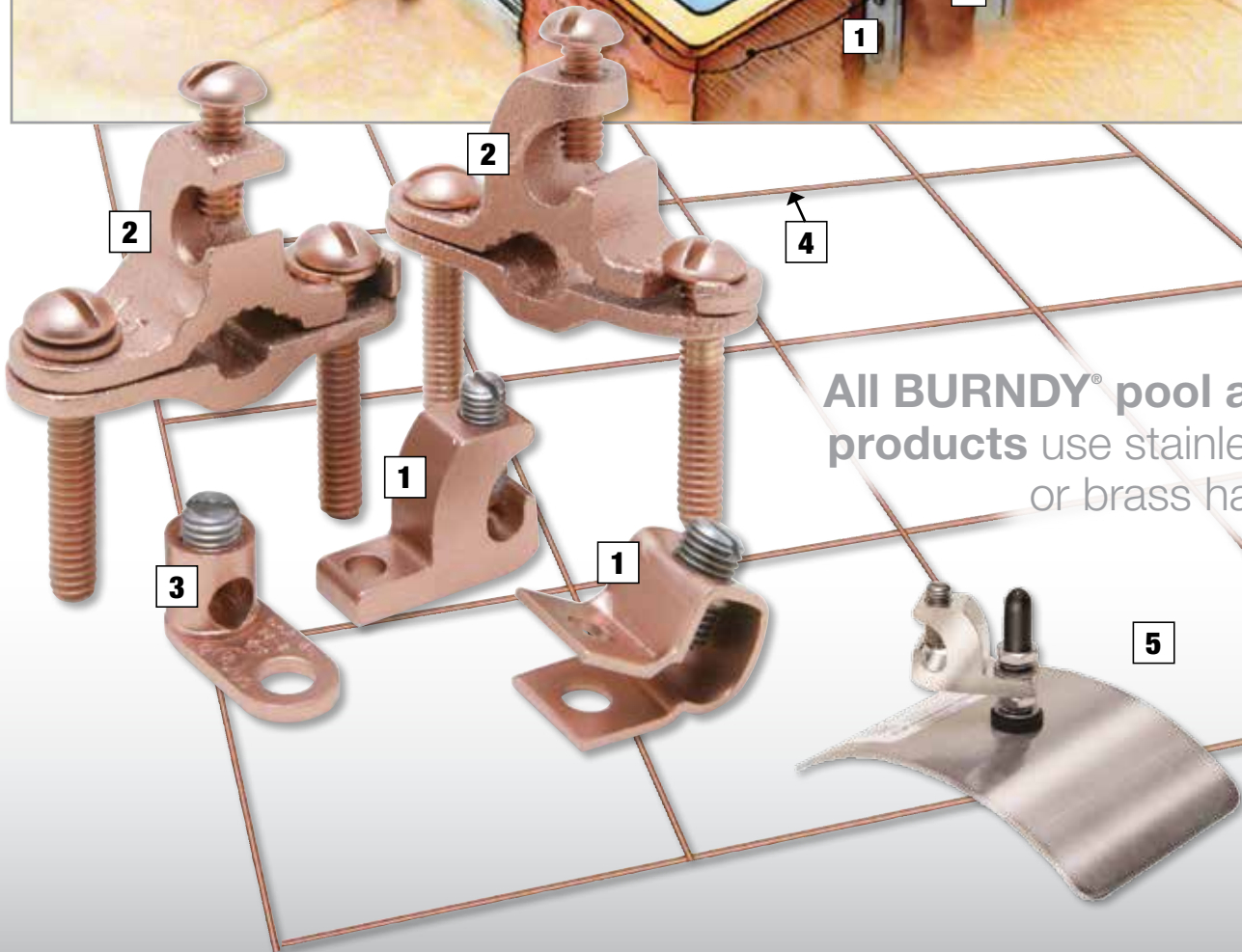
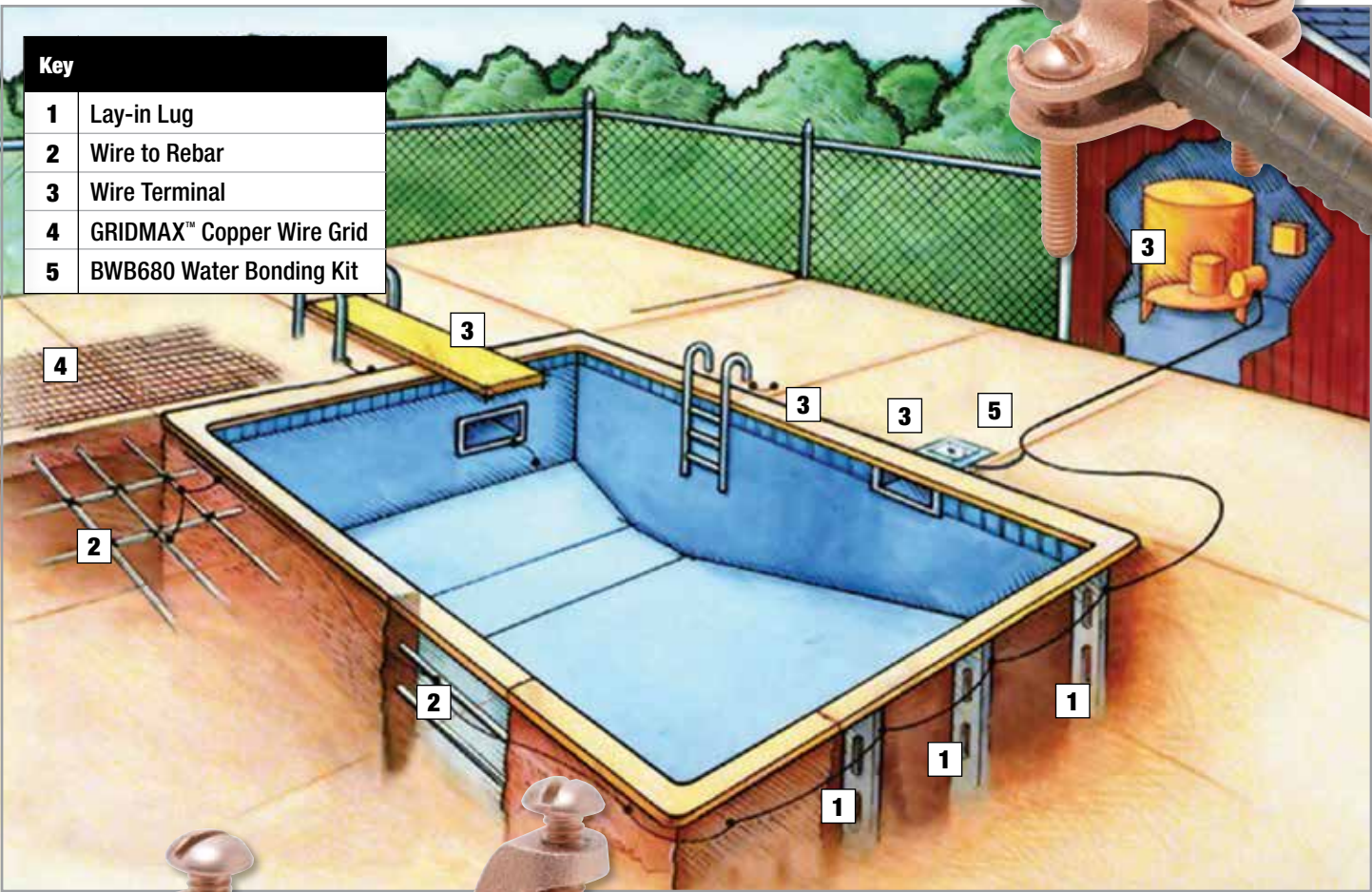
- Is easy to install on the side wall of the skimmer, below the basket and out of the way
- Includes one bonding plate, a rubber sealing washer, two flat washers, two lock washers, two nuts, a BURNDY® bonding lug and all mounting hardware
- Achieves UL Listing

The BWB680 series features options for in-ground and above-ground pools.



**Key**

1	Lay-in Lug
2	Wire to Rebar
3	Wire Terminal
4	GRIDMAX™ Copper Wire Grid
5	BWB680 Water Bonding Kit



All BURNDY® pool and spa products use stainless-steel or brass hardware.

## Trust the BURNDY® Engineered System

The BURNDY® Engineered System of coordinating dies, connectors and tools are designed to work together and engineered to meet stringent, accepted quality standards.



[www.burndy.com](http://www.burndy.com) | 1-800-346-4175

### Customer Service Department

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### Canada

1-800-361-6975 (Quebec)  
1-800-387-6487 (All other provinces)

### Mexico

011-52-722-265-4400

### Brazil

011-55-11-5515-7225

### Tool Service Center

Littleton Industrial Park  
Littleton, NH 03561  
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