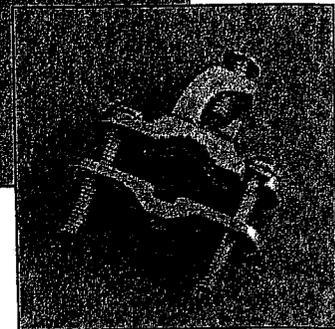
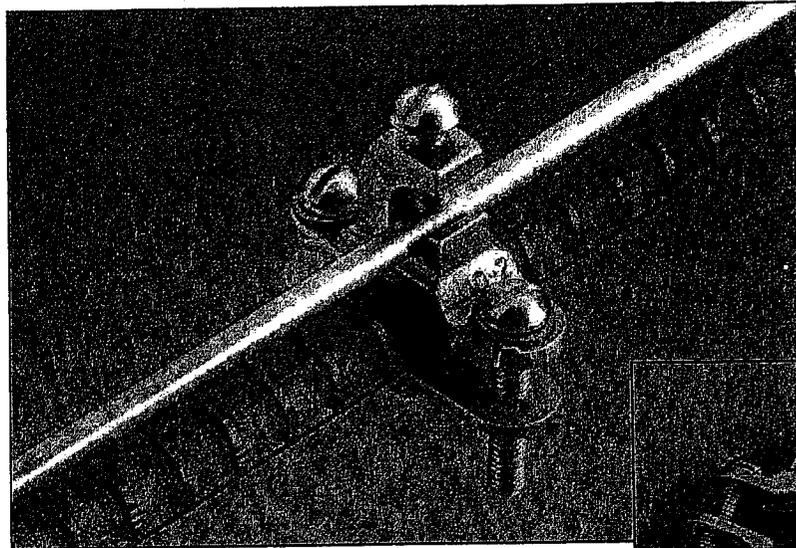


# ERITECH®

## Features

- Lay-in feature cuts installation time
- Bronze alloy construction with bronze screws
- Approved for direct burial in earth and concrete
- Pipe range from 1/2" (12.7 mm) to 1" (25.4 mm)
- Rebar range from #4 (10 mm) to #8 (25 mm)
- Ground rod range from 1/2" (12.7 mm) to 1" (25.4 mm)
- Conductor range from #10 (5.5 mm sq) to #2 (25 mm sq)
- UL listed 

# EK16/EK17 Direct Burial Ground Clamp

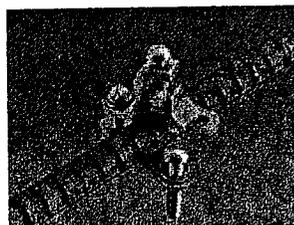


## Specifications for EK16/EK17

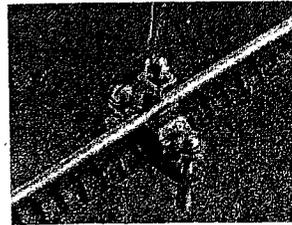
The new EK16 and EK17 Direct-Burial Ground Clamps from ERICO® are a time-saving, cost-effective versatile product that combines four clamps into one. This unique bronze-alloy grounding clamp with bronze screws consolidates separate rebar clamps, ground rod clamps, waterpipe clamps and direct-burial water pipe clamps into one product, allowing contractors to save room on their trucks and distributors to save room on their shelves. It is ideal for swimming pool grounding, light poles and direct-burial applications in both earth and concrete.

The UL-listed product works on rebar, water pipe and ground rods. The clamp cuts installation time by allowing the contractor to pre-set the clamp on a piece of rebar or water pipe. After all of the clamps have been set, the ground conductor can then be installed using the clamp's unique "lay-in" feature. Rather than threading the ground wire through a hole to make a continuous loop, just lay the conductor in the channel and tighten the setscrew. It's as easy as that! No more time-consuming threading.

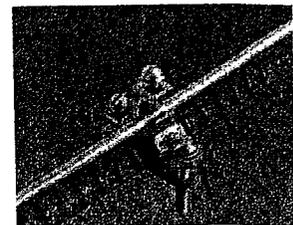
Installation is as simple as 1, 2, 3.



1. Put the clamp on the rebar, water pipe or ground rod.



2. Lay in the conductor.

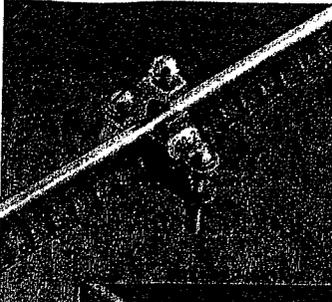


3. Tighten the setscrew.

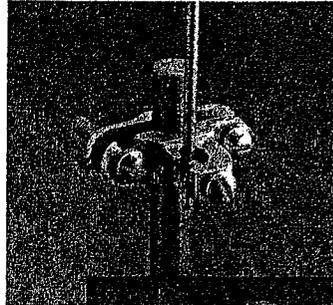
# ERICO®

**ERITECH®**

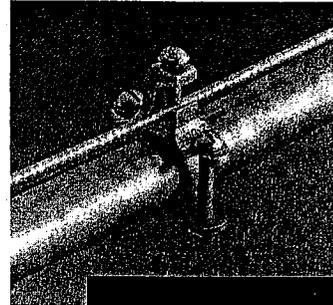
# EK16/EK17 Direct Burial Ground Clamp



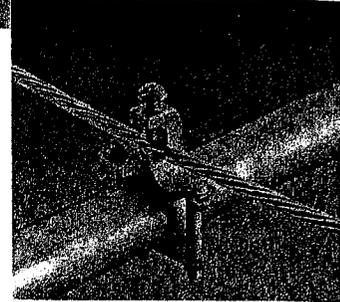
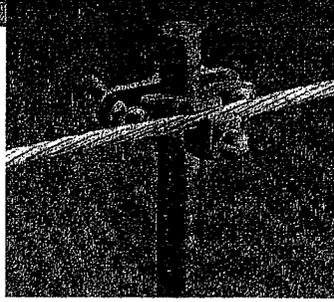
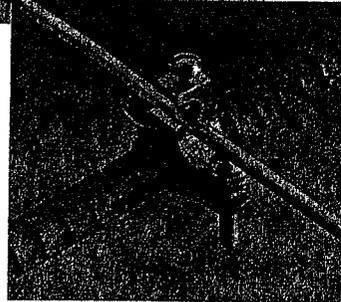
Clamp on rebar



Clamp on ground rod



Clamp on pipe



## ORDERING INFORMATION

Part Number	UPC Code	Description	Qty. Per Box
EK16	78285657555	Parallel direct-burial ground clamp	50
EK17	78285657558	Perpendicular direct-burial ground clamp	50

AWG	Conductor Size		Rebar Size	
	Metric		US	Metric
#10 - #2	5.5 mm sq. to 25 mm sq.		#4 - #8	10 mm - 25 mm

UL is a registered trademark of Underwriters Laboratories, Inc.

WARNING - ERICO products shall be used only as illustrated and recommended in the product instruction sheets (additional instruction sheets are available at [www.erico.com](http://www.erico.com)). Misuse or misapplication may cause failure resulting in possible property damage or bodily injury.

Copyright ©2005 ERICO International Corporation. All rights reserved.

CADDY, CADWELD, CRITEC, ERICO, ERIFLEX, ERITECH, and LENTON are registered trademarks of ERICO International Corporation.

Facility Electrical Protection Customer Service

Phone 1-800-677-9089

Fax 1-800-677-8131

[www.erico.com](http://www.erico.com)

**ERICO®**

E5015 E265LT05US 006WB5M

## CONCRETE -ENCASED ELECTRODE

We have interviewed numerous contractors in the LaPorte County area and based on the feed back we received, we have prepared a mock up of a typical concrete-encased electrode embedded in the footing of all new construction.

The code definition of a concrete-encased electrode is:

An electrode encased by at least 50 mm (2 in.) of concrete, located within and near the bottom of a concrete foundation or footing that is in direct contact with the earth, consisting of at least 6.0 mm (20 ft) of one or more bare or zinc galvanized or other electrically conductive coated steel reinforcing bars or rods of not less than 13 mm (½ in.) in diameter, or consisting of at least 6.0 mm (20 ft) of bare copper conductor not smaller than 4 AWG. Reinforcing bars shall be permitted to be bonded together by the usual steel tie wires or other effective means.

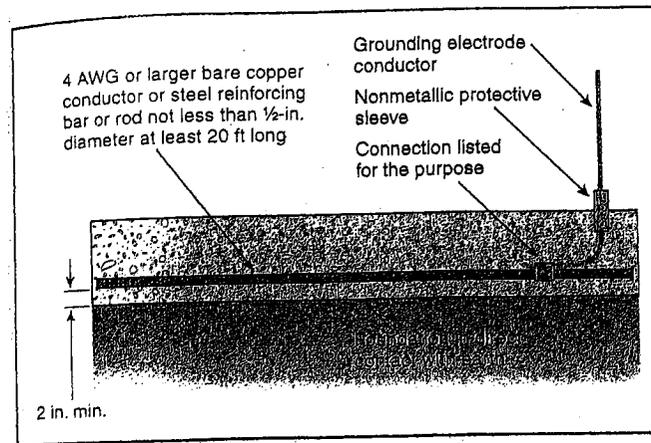


Exhibit 250.22 A concrete-encased electrode.

### OPTION # 1 (RED)

This would be considered a standard installation with two (2) horizontal 13 mm (½") rebar on chairs allowing for 2" minimum of concrete beneath the rods. A 4 AWG bare copper conductor attached with a UL approved clamping device and a PVC sleeve which will allow for extension of conduit to the panel or provide protection of the wire from corrosion at the surface of the floor if enclosed within a wall.

### OPTION # 2 (BLACK)

This shows a double bent rebar tied to 6.0 mm (20 ft) of horizontal rebar on chairs which would allow for a 4 AWG wire to be connected either inside and/or outside of the foundation wall. If inside, the rebar would need to be sleeved with PVC to protect from corrosion at the surface of the floor. NOTE: The bends should be far enough apart to allow for setting of the foundation forms.

### OPTION # 3 (WHITE)

This shows a single bent rebar tied to 6.0 mm (20 ft) of horizontal rebar on chairs which would allow for a 4 AWG wire to be connected either inside or outside of the foundation wall. If inside, the rebar would need to be sleeved with PVC to protect from corrosion at the surface of the floor. NOTE: The bend should be far enough away to allow for setting of the foundation forms.

**OPTION # 4 (YELLOW)**

This shows a rebar bent to attach to 6.0 mm (20 ft) of horizontal rebar and also to a vertical rebar which will extend approximately 3" above the top of the foundation wall. The electrician can attach a 4 AWG wire with an approved clamping device and extend it to the panel or first disconnecting means.

**OPTION # 5 (GREEN)**

This shows a rebar attached horizontally across two (2) horizontal bars extending beyond the edge of the footing, both inside and outside. One of horizontal rebar's must be at least 6.0 mm (20 ft) long. The electrician could attach to either end with a 4 AWG wire and approved clamp, and extend to the panel or first disconnect.

**OPTION # 6**

This would be an example of 6.0 mm (20 ft) of 4 AWG wire embedded in the concrete footing long enough to be extended to the panel or first disconnect unbroken. If the 4 AWG wire exits through the concrete floor, it must have a PVC sleeve installed to allow for extension of the conduit and/or provide protection for the wire at the surface of the floor.