G-type clamp for connecting conductor to earth rod (ERCC)

ERCC 1416 · ERCC 1695 · ERCC 2070



The KALOT Group G-type clamp (code ERCC) connects a copper earth conductor to the head of an earth rod with a single bolt. The clamp body is a one-piece ring of cast brass, with a threaded boss for the bolt at one end and a V-shaped end at the other. The earth rod and conductor pass side by side through the clamp opening; as the stainless steel bolt is tightened, the earth rod is pushed towards the V-shaped end and the conductor is pressed between the earth rod and the V-shaped wall of the body.

- Copper conductor to the top of an earth rod, with one bolt
- 5/8 and 3/4 inch earth rods; 16 to 120 conductor
- One-piece brass body, stainless steel bolt
- Inside the inspection pit, easy to open and close

Technical specifications

Type	One-piece cast clamp (G-type) for connecting a copper conductor to the top of an earth rod with one bolt
Body	Cast copper alloy (high-copper brass); closed ring with a threaded bolt boss at one end and a V-shaped end at the other
Bolt	Stainless steel hexagon bolt
Matching earth rod	Copper-bonded (copper-coated), copper or stainless steel earth rod; 14 to 20 mm depending on code
Suitable conductor	Copper conductor; 16 to 120 mm² depending on code
G 5/8 body	For 5/8 inch earth rods (14.2 mm); width 25, height 39 and depth 15 mm (22 mm at the V-shaped end); inner opening 19 mm wide; body weight 48.7 g
G 3/4 body	For 16 to 20 mm and 3/4 inch (17.2 mm) earth rods; width 28, height 44 and depth 17 mm (28 mm at the V-shaped end); inner opening 22 x 33.5 mm; body weight 66.3 g
V-shaped end	Inner angle of 90 degrees on G 5/8 and 102 degrees on G 3/4
Bolt boss	Diameter 13 mm on G 5/8 and 17 mm on G 3/4
Marking	Cast into the body: "K.A" and "5/8" on G 5/8; "KALOT ABHAR" and "3/4" on G 3/4
Connection type	Bolted, can be opened and refastened
Installation location	Top of the earth rod, inside an inspection pit or at an accessible point
Codes	ERCC 1416, ERCC 1695 and ERCC 2070

G-type clamp (ERCC) codes

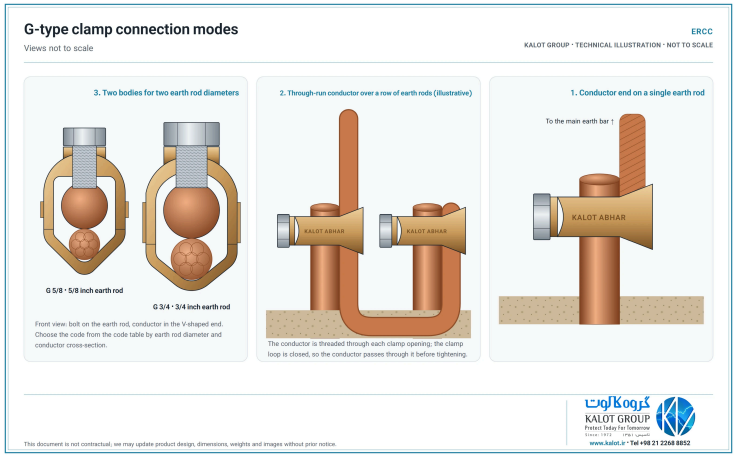
Code	Body	Earth rod diameter (mm)	Conductor cross-section (mm²)
ERCC 1416	G 5/8	14-14.2 (5/8")	16-70
ERCC 1695	G 3/4	16	16-95
ERCC 2070	G 3/4	17.2-20 (3/4")	70-120

Earth rod diameter and dimensions are in millimetres and conductor cross-section in square millimetres; the "Body" column shows which body each code is built on. We keep improving our products and some dimensions may be updated, so please confirm the final dimensions with our

This document is not contractual; we may update product design, dimensions, weights and images without prior notice.

Dimensional drawing

Connection modes



Installation

1. Choose the clamp code by earth rod diameter and conductor cross-section. 2. After driving the earth rod, remove the driving head and clean the earth rod head and the conductor end of soil, oxide and grease with a wire brush; do not scrape off the copper coating of the earth rod. 3. Loosen the bolt to free the opening and slide the clamp down over the top of the earth rod; the earth rod sits on the bolt side. 4. Pass the conductor through the clamp opening beside the earth rod so that it seats in the V-shaped end of the body. 5. Tighten the bolt to the manufacturer's instructions so that the earth rod is pushed towards the conductor and the conductor is pressed between the earth rod and the V-shaped wall. 6. Check that the conductor is seated in the V-shaped end and that the clamp does not move on the earth rod; the connection must remain accessible inside the inspection pit.

Selection and enquiries

When you enquire, send us the earth rod diameter and material, the conductor cross-section, the installation location and the