U clamp for connecting conductor to earth rod and reinforcing bar (UBDV)

UBDV 0906 · UBDV 1406 · UBDV 1416 · UBDV 1435 · UBDV 2070 · UBDV 2012



The KALOT Group U clamp, also known on the market as a U-bolt or U clamp, connects a copper earth conductor to an earth rod or a reinforcing bar. The U-bolt loops around the earth rod or reinforcing bar, and the conductor, running parallel or at right angles to the earth rod, passes between the two brass plates of the clamp. As the two nuts are tightened, the conductor is pressed between the two plates and the earth rod seats firmly in the recess of the plate facing it: a bolted joint that can be opened and closed again for inspection and measurement.

- Copper conductor to earth rod and reinforcing bar
- Conductor in line or at right angles, through-run or terminating
- Brass body, stainless steel U-bolt
- Conductor from 6 to 300 mm² in six codes

Technical specifications

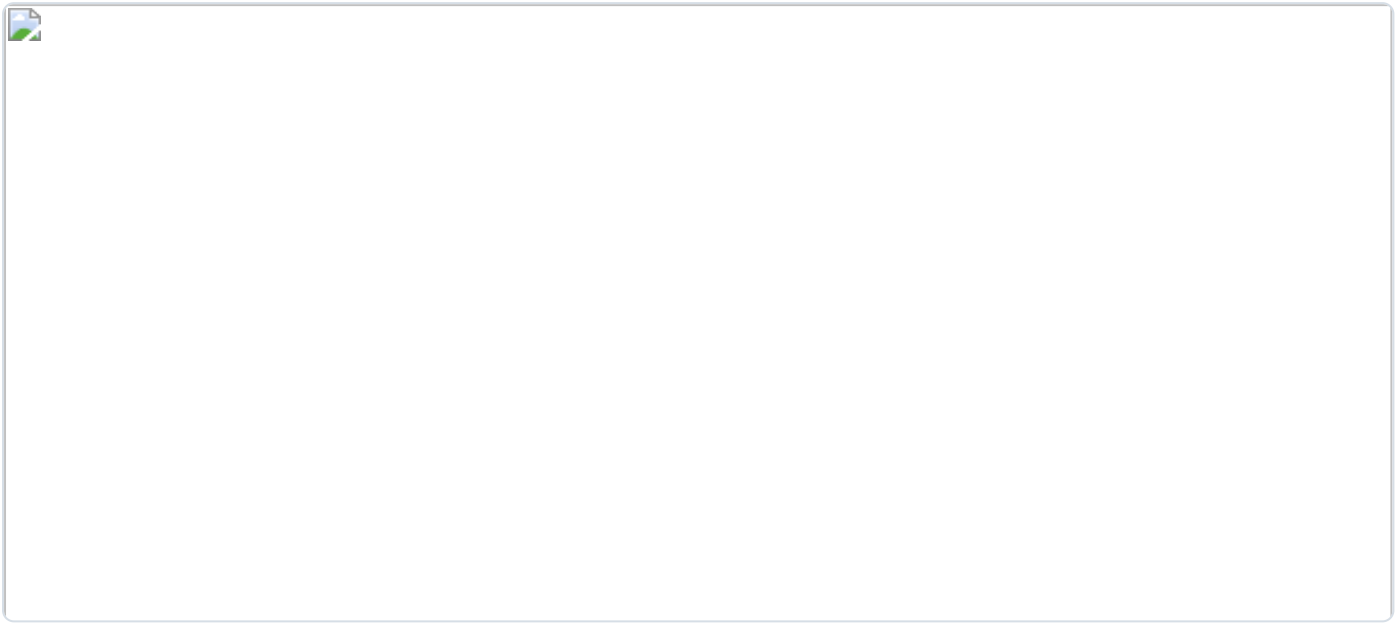
Type	Two-jaw U clamp for connecting a conductor to an earth rod or reinforcing bar
Body (two jaws)	Cast brass
U-bolt and nuts	Stainless steel
Fastening parts	U-bolt, two nuts and two flat washers
Conductor type	Stranded copper conductor
Earth rod or reinforcing bar diameter	9.5 to 20 mm (depending on the code)
Conductor cross-section	6 to 300 mm² (depending on the code)
Conductor route	In line with or at right angles to the earth rod; through-run or terminating
Matching earth rod	Copper, copper-bonded or stainless steel, threaded or unthreaded
Connection type	Bolted, can be opened and refastened
Typical installation location	Earth inspection pit: an accessible connection point on the reinforcing bar
Codes	UBDV 0906 to UBDV 2012 (six codes)

U clamp codes (UBDV)

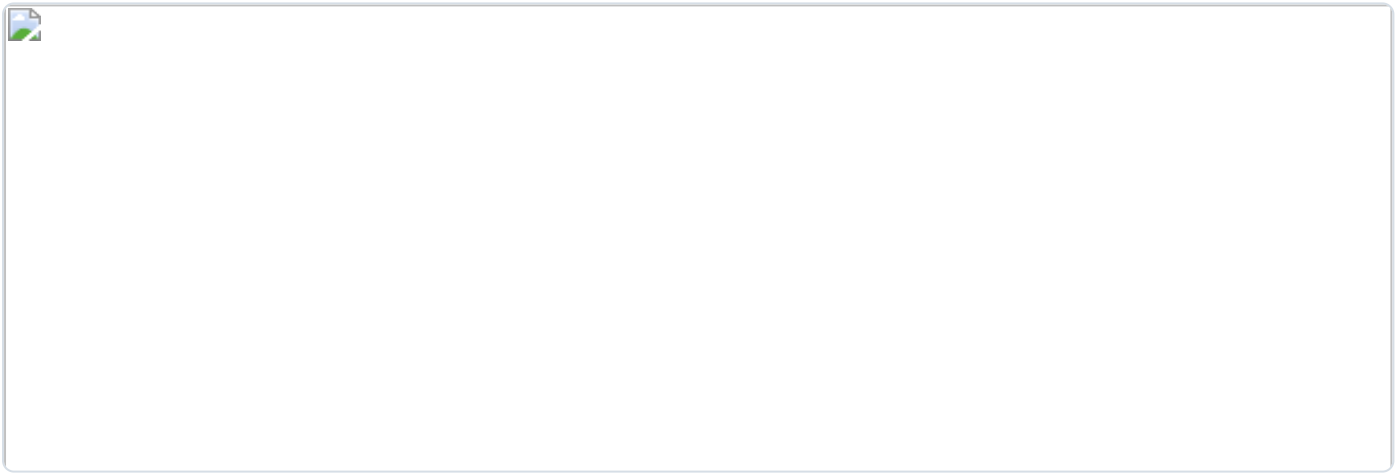
Code	Earth rod or reinforcing bar diameter (mm)	Conductor cross-section (mm²)
UBDV 0906	9.5-12.5	6-35
UBDV 1406	14	6-35
UBDV 1416	14-16	16-70
UBDV 1435	14-20	35-150
UBDV 2070	20	70-185

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

Dimensional drawing



Connection modes



Installation

1. Before installation, remove paint, rust, mud and any non-conductive layer from the contact faces of the earth rod or reinforcing bar and the conductor. 2. Undo the nuts and loop the U-bolt around the earth rod or reinforcing bar so it seats in the shallow recess of the plate facing it. 3. Place the conductor, parallel or at right angles to the earth rod, in the matching hole between the two plates and hand-tighten the nuts first. 4. Tighten the nuts with a spanner to the manufacturer's instructions until the conductor is pressed fully between the two plates and the clamp sits firmly on the earth rod or reinforcing bar. 5. Check that the conductor is fully home in the hole and that the clamp has not damaged the earth rod, reinforcing bar or conductor.

Selection and enquiries

When you enquire, send us the diameter and material of the earth rod or reinforcing bar, the conductor cross-section, the