U clamp for connecting vertical tape to earth rod and reinforcing bar

UBDP 16 · UBDP 25 · UBDP 31 · UBDP 38 · UBDP 50



KALOT Group's vertical tape U clamp connects a copper tape to an earth rod or reinforcing bar, running in line with it, without drilling the tape. The U-bolt loops around the earth rod or bar and the earth rod sits on the top plate; the tape, vertical and parallel to the earth rod, lies in the shallow groove of the bottom plate, between the two brass plates. Tightening the two nuts clamps the tape between the plates and pulls the top plate firmly against the earth rod: a bolted joint that can be opened for inspection and measurement and closed again.

- Vertical tape, in line with the earth rod
- No drilling of the tape
- Two-plate brass body, stainless steel U-bolt
- Earth rod or reinforcing bar up to 50 mm, in five codes

Technical specifications

Type	Two-plate U clamp for connecting vertical tape to an earth rod or reinforcing bar
Body (two jaws)	Cast brass
U-bolt and nuts	Stainless steel, thread M10
Conductor	Copper tape, 25 mm wide
Maximum earth rod or reinforcing bar diameter	16, 25, 31, 38 or 50 mm (depending on the code)
Tape route	Vertical, in line with the earth rod; through-run or end connection
Tape drilling	Not needed
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; reinforcing bar of a column or foundation
Codes	UBDP 16 to UBDP 50 (five codes)

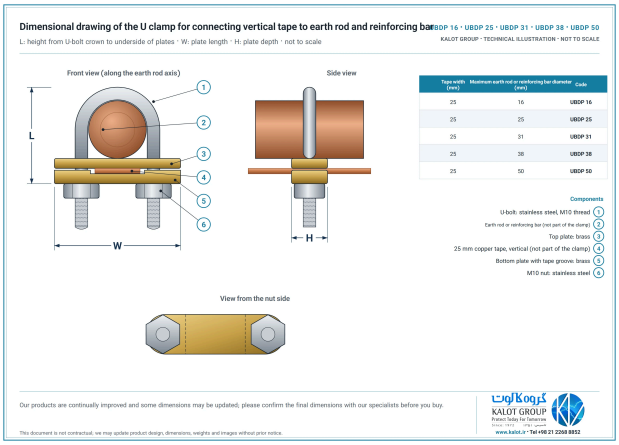
Vertical tape U clamp codes (UBDP)

Code	Maximum earth rod or reinforcing bar diameter (mm)	Tape width (mm)
UBDP 16	16	25
UBDP 25	25	25
UBDP 31	31	25
UBDP 38	38	25
UBDP 50	50	25

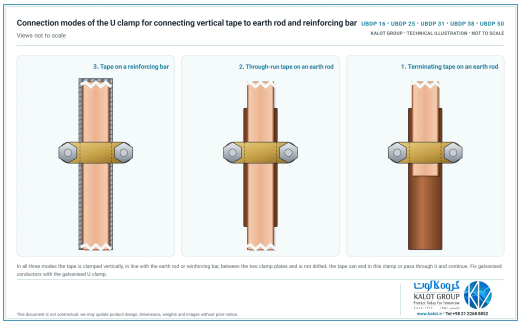
Diameter and width are in millimetres; the number in each code is the largest earth rod or reinforcing bar diameter that clamp takes. Our products are continually improved and the dimensions of some may be updated; before you buy, please ask our specialists for the final dimensions.

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Dimensional drawing



Connection modes



Installation

1. Select the clamp code from the code table by the diameter of the earth rod or reinforcing bar; the diameter must not exceed the number in the code, and the tape width is 25 mm. 2. Before installation, remove paint, rust, mud and any non-conductive layer from the contact surfaces of the earth rod or bar and the tape. 3. Remove the nuts and the bottom plate and pass the U-bolt around the earth rod or bar so the earth rod sits on the top plate. 4. Lay the tape on the top plate, vertical and in line with the earth rod, fit the bottom plate so the tape sits in its groove, and tighten the nuts by hand first. 5. Tighten the nuts with a spanner, evenly and in turn, following the manufacturer's instructions, until the tape is fully clamped between the two plates and the clamp sits firmly on the earth rod. 6. Check that the tape lies flat and untwisted in the groove, the two plates sit parallel on each other, and the clamp has not damaged the earth rod, bar or tape.

Selection and enquiries

With your enquiry, send us the diameter and material of the earth rod or reinforcing bar, the tape width and thickness and the quantity you need, and our specialists will suggest the right code. For ribbed reinforcing bar, give its nominal diameter.

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