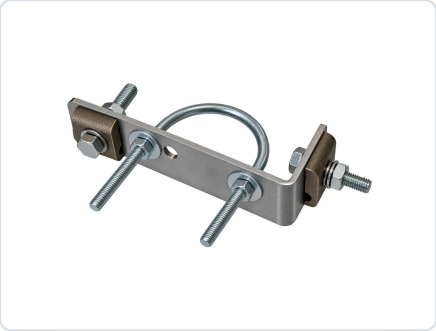
Raised floor pedestal earth clamp (pedestal clamp)



The KALOT Group raised floor pedestal earth clamp, also known on the market as a "pedestal clamp", connects the metal pedestals of a raised floor to the bonding mesh beneath it; in data centres and server rooms this is the network called the signal reference grid (SRG), which reduces potential differences between metal structures and sensitive equipment. The clamp closes around the pedestal tube with a galvanised U clamp, and the mesh's copper conductor, seated in the groove of its brass clamps, makes a bolted metal-to-metal joint with the pedestal. We make this clamp with a stainless steel strap and two brass clamps, so the copper mesh conductor connects to the pedestal with no welding or drilling.

- Bonds raised floor pedestals to the mesh under the floor
- U clamp around the pedestal tube
- Two brass clamps on two perpendicular faces
- Stainless steel strap

Technical specifications

Type	Bonding clamp for raised floor metal pedestals, with a U clamp and two conductor clamps
Tape	Stainless steel, with one bent end
U clamp	Galvanised steel with flat washer and nut; fastens around the round pedestal tube
Conductor clamps	Two brass clamps, one on the strap and one on the bent end, each with a bolt and nut and one groove for the conductor
Conductor	Bare copper conductor, or green and yellow insulated copper conductor stripped only at the clamp
Installation location	On the pedestal tube, under the pedestal head or near the floor, according to the bonding network layout
Application	Data centres, server rooms, control rooms and telecoms equipment rooms with a raised floor

Parts and materials

Part	Quantity	Material
L-shaped strap with U clamp holes	1	Stainless steel
U clamp with two flat washers and two nuts	1	Galvanised steel
Conductor clamp	2	Brass
Clamp bolt and nut	2	Steel

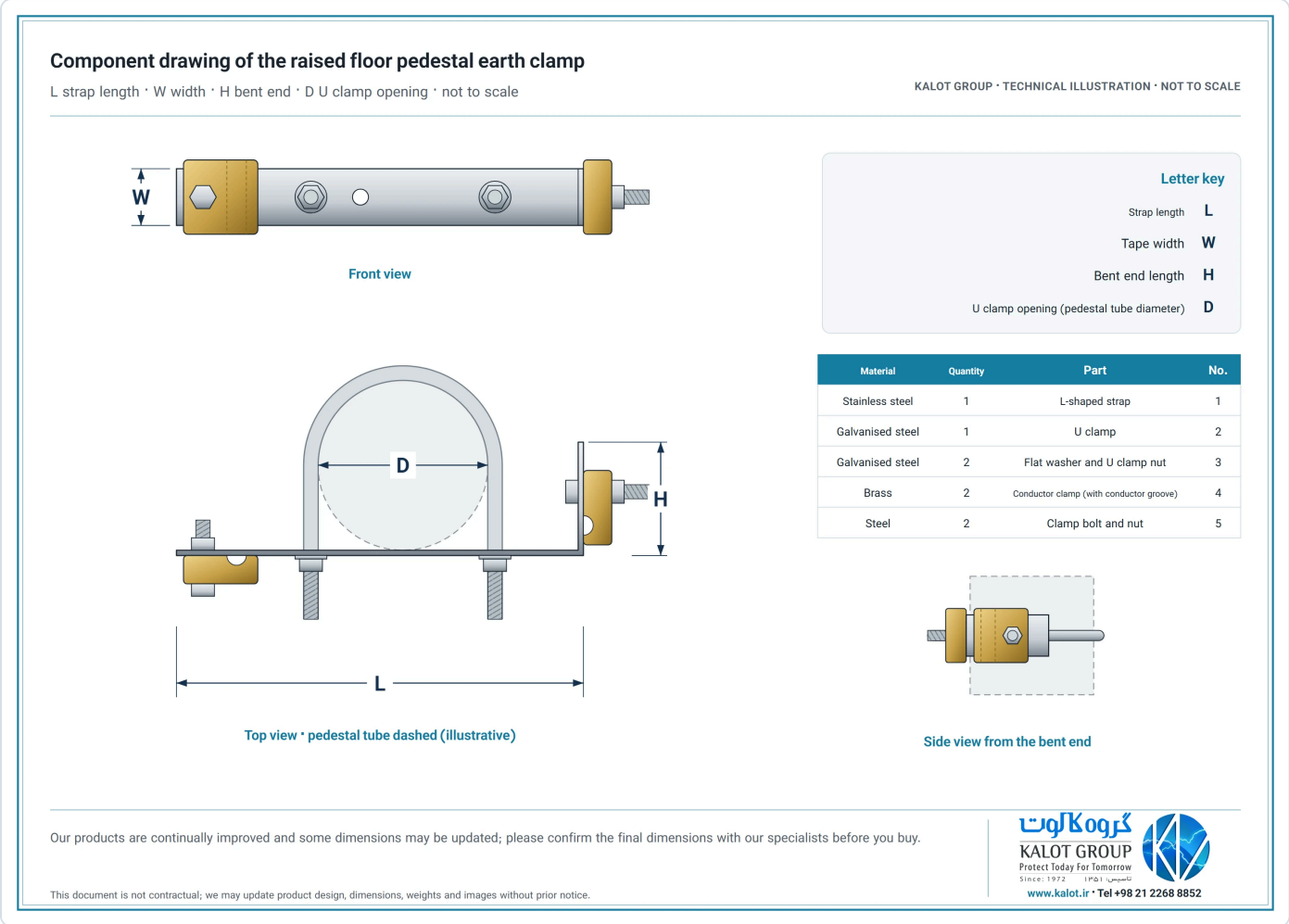
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Pedestal clamp construction

The clamp body is a stainless steel strap with one end bent at 90 degrees. The galvanised U clamp wraps around the back of the pedestal tube, passes through two holes in the strap and, with washers and nuts, holds the strap firmly on the pedestal. Two brass clamps are fixed on the strap and on the bent end. The conductor lies in the clamp's groove, between clamp and strap, and tightening the clamp bolt makes a bolted metal-to-metal connection. Each clamp takes one conductor.

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Exploded view



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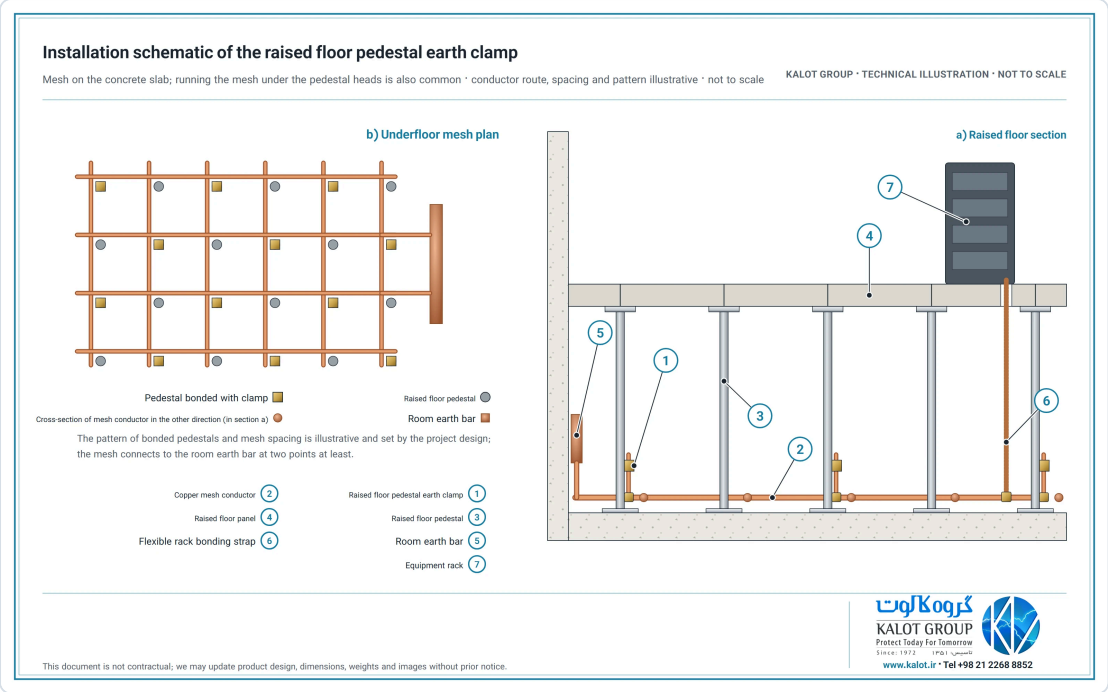
Steps for installing the clamp on a raised floor pedestal

۱. Review the bonding mesh layout: the conductor routes, the pedestals to be bonded and where the mesh connects to the room's earth bar.
۲. Clean the pedestal tube surface where the clamp goes. If the pedestal is painted, remove paint only at the contact point and according to the design.
۳. Place the U clamp around the back of the pedestal tube, pass its two ends through the holes in the strap and fit the washers and nuts by hand. Adjust the clamp height.
۴. Lay the copper conductor in the clamp's groove, between clamp and strap. If a second conductor is needed, fix it in the clamp on the bent end. Connect the conductor to the mesh outside the clamp.
۵. Tighten the clamp bolts, then the U clamp nuts, alternately and evenly, according to the manufacturer's instructions. The pedestal tube must not deform.
۶. Measure the continuity of the connection with a low-resistance ohmmeter, record the result and label the connection point.

Inspection and testing

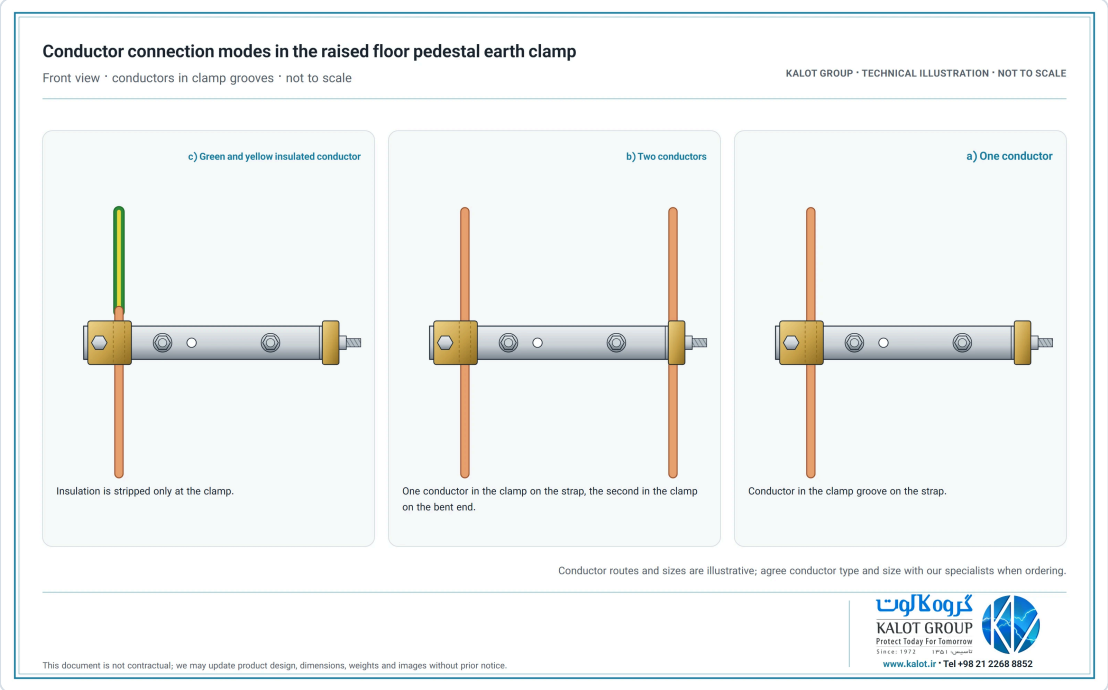
During periodic inspections, check the tightness of the clamp bolts and U clamp nuts and the condition of the conductors, and measure network continuity again, especially after equipment has been moved or work has been done under the raised floor. Compare the result with the previous test.

Installation schematic



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Conductor connection modes



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Selection and enquiries

To get a price for the raised floor pedestal earth clamp, send our specialists the pedestal tube diameter, the type and size of the mesh conductor (conductor or tape), the number of pedestals to be bonded and the type of room.