Two-piece stainless steel clamp for fixing tape to walls

KALOT Group, KALOT GROUP

Product family: lightning protection equipment / lightning protection clamps and fittings

Technical datasheet KALOT-DS-211

The KALOT Group two-piece stainless steel clamp holds flat tape conductors for lightning protection, earthing and bonding on facades, walls and parapets. The base plate is fixed to the wall with a screw and wall plug, and the cover grips the tape with two screws. Drawings and the installation guide for this clamp are on the product page: www.kalot.ir/fa/products/stainless-steel-tape-wall-clamp-20-30

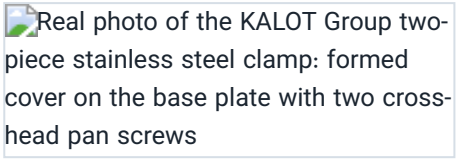

Real photo of the KALOT Group two-piece stainless steel clamp: formed cover on the base plate with two cross-head pan screws

Figure 1: Real photo of the two-piece stainless steel clamp with two cross-head pan screws.

Key points

- Mechanical tape holder; the electrical connection of conductors is made with connection clamps.
- Two pressed threads in the base plate; no nuts needed.
- Downward U slot: the cover pivots on one screw and neither screw comes fully out.
- To inspect or replace the tape, only the cover is opened; the base plate stays on the wall.

Technical specifications

Material and finish	Cover, base plate and screws in stainless steel; natural finish (uncoated)
Parts of each clamp	One cover, one base plate with two pressed threads and a countersunk hole, two cross-head pan screws
Wall fixing	One countersunk screw with wall plug through the centre hole; screw diameter no larger than slot width S
Weight	Weight of the two plates of one clamp, without screws: 27 g (cover 13 g and base plate 14 g, one of each)
Application	Down conductors and flat tape conductors for lightning protection, earthing and bonding; tape size in the size table

Environment
Suitable for indoor, outdoor and coastal environments.

Reference standard
IEC 62561-4, lightning protection system components, Part 4: requirements for conductor fasteners.

Units
All dimensions in millimetres unless otherwise stated.

Compatible products

Compatible product	Order code (tape size)
Stainless steel earth tape	SST 252 (25 × 2)
copper earth tape	BCT 203 (20 × 3), BCT 253 (25 × 3), BCT 302 (30 × 2), BCT 303 (30 × 3)
Tinned copper tape	TPBT 203 (20 × 3), TPBT 253 (25 × 3), TPBT 302 (30 × 2), TPBT 303 (30 × 3)
Brass down conductor disconnector	SKADL 100; copper tape inlet 25 × 3

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

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Dimensional drawing and size table

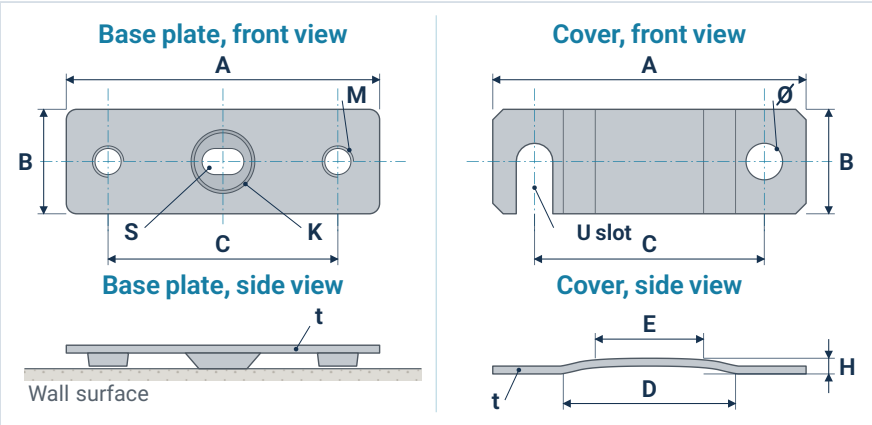


Figure 2: Dimensional drawing with letters; the value of each letter for each size is in the size table.

Drawing letter key

A Length of cover and base plate
B Width of cover and base plate
C Screw centre distance
D Tape channel width at the bottom
E Tape channel width at the top
H Overall height of cover bridge
t Sheet thickness
Ø Cover round hole diameter
M Pressed thread and cover screw
S Centre slotted hole (width × length)
K Centre hole countersink diameters

Suitable tape, width × thickness (mm)	A	B	C	D	E	H	t	Ø	M	S	K
20-30 × 2-3 Tapes 25 × 2, 20 × 3, 25 × 3, 30 × 2 and 30 × 3	60	20	44	33	21	3	1.5	7	M6	5 × 8	11 / 12.2

Other sizes for narrower or wider tapes are made to order; please contact our specialists.

Installation

١. Mark the clamp positions along the conductor route; the system designer sets their spacing.
٢. Place the base plate square to the tape route and fix it through the centre hole with a countersunk screw and a wall plug suited to the wall material.
٣. Fit the cover loosely with the M screw on the round-hole side and turn the second screw a few turns into the other thread; swing the cover up on the first screw and lay the tape flat.
٤. Lower the cover so the U slot sits on the second screw from above; tighten both screws evenly without deforming the sheet.

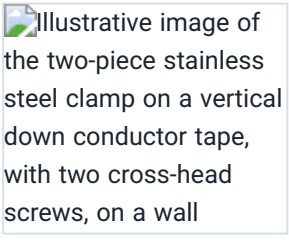


Figure 3: Clamp installed on a down conductor tape on a wall (illustrative image).

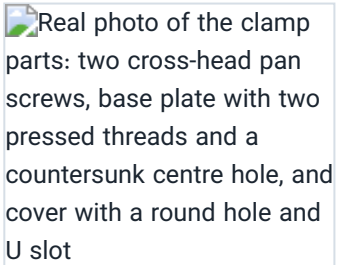


Figure 4: Clamp parts (real photo): base plate with two pressed threads, cover and two M screws.

Ordering information

Orderable type	Suitable tape (mm)	Material	Cover
Two-piece stainless steel clamp for fixing tape to walls, with two cover screws	20-30 × 2-3 Tapes 25 × 2, 20 × 3, 25 × 3, 30 × 2 and 30 × 3	Stainless steel	Natural (uncoated)

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