Brass reinforcing bar bonding plate for concrete structures

80 × 40 · 40 × 80 · 70 × 40 · M10



The KALOT Group brass reinforcing bar bonding plate creates a fixed earth connection point on the face of a concrete column or wall, connected at the back to the reinforcement. The plate stays flush with the concrete, and the earth or bonding conductor is fixed with a cable lug on its M10 bolt. Inside the concrete, a copper conductor is exothermically welded to the shank behind the plate and clamped to the reinforcing bar.

- A fixed earth connection point on the concrete face
- One-piece cast brass
- One or two M10 holes for the cable lug
- Connects to reinforcing bar with a copper conductor

Technical specifications

Type	Bonding plate (fixed earth connection point) for concrete structures
Material	Cast brass, one piece
Models	One-hole horizontal, one-hole vertical and two-hole
Plate	80 × 40 × 5 or 70 × 40 × 5 mm, with earth symbol and KALOT name
Connection hole	M10, one or two
Fixing hole	Two Ø3 holes on the one-hole model, for nailing to the formwork
Stem	Tapered, behind the plate, inside the concrete
Connection to reinforcing bar	Copper conductor, exothermically welded to the stem and U-clamped to the reinforcing bar
External connection	cable lug and bolt M10
Installation location	Surface of concrete columns, walls, foundations and beams

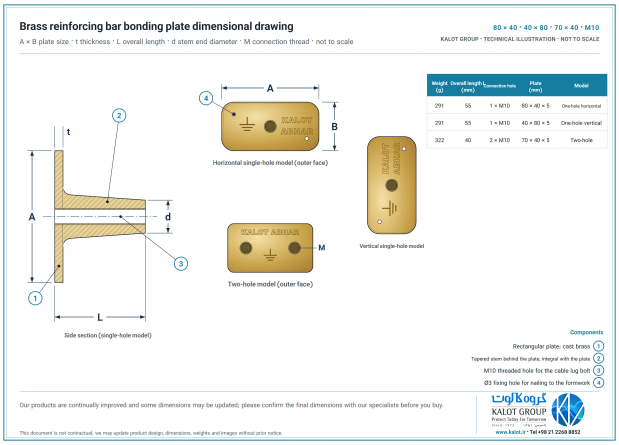
Models and sizes

Model	Plate (mm)	Connection hole	Overall length L (mm)	Weight (g)
One-hole horizontal	80 × 40 × 5	1 × M10	55	291
One-hole vertical	40 × 80 × 5	1 × M10	55	291
Two-hole	70 × 40 × 5	2 × M10	40	322

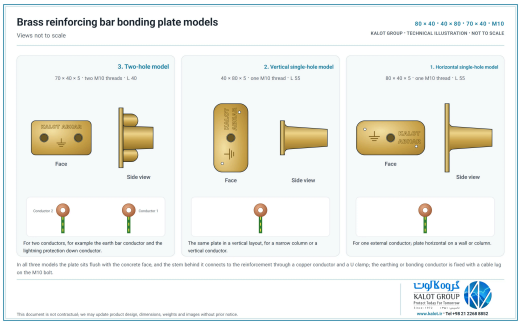
Dimensions in mm, weight in grams. On the one-hole model the M10 thread runs right through to the end of the shank; on the two-hole model each face thread is about 22 mm deep, and the end of the shank also has an M10 thread about 33 mm deep. We keep improving our products and some dimensions may be updated; please confirm final dimensions with our specialists before you buy.

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Dimensional drawing



Models



Installation

1. Before installation, exothermically weld the copper bonding conductor to the end of the shank behind the plate. 2. Fix the plate to the inside face of the formwork: the one-hole model with nails through its two fixing holes, the two-hole model with an M10 bolt through a hole in the formwork into its thread. Seal the threaded holes with caps or tape so cement slurry cannot get in. 3. Run the conductor to the nearest reinforcing bar and fix it with a U clamp for connecting conductor to earth rod and reinforcing bar; the concrete cover over the conductor and clamp must be complete. 4. After pouring and striking the formwork, remove the cap; the plate stays flush with the concrete face. 5. Fix the cable lug of the external conductor to the plate with an M10 bolt and washer, and tighten the bolt to the manufacturer's instructions. 6. Measure the electrical continuity between the plate and the reinforcement or earth bar and record the result.

Selection and enquiries

For a price on the bonding plate, send our specialists the model (one-hole horizontal, vertical or two-hole), quantity, structure type and conductor cross-section. If you want the plate with a ready-fitted conductor, see the reinforcing bar bonding plate with conductor.

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