Stainless steel bonding point (reinforcing bar bonding plate)

Ø80 × 2.5 · L 232.5 · M10 × 1.25



The KALOT Group stainless steel bonding point creates a fixed earthing connection point on the face of a concrete structure, linked to the reinforcement inside the concrete. Its round plate stays flush with the concrete, and the earthing or bonding conductor is fixed with a cable lug on its M10 bolt; inside the concrete, a green and yellow conductor, exothermically welded to the end of the stud behind the plate, is fixed to the reinforcing bar with a galvanised U clamp.

- A fixed earth connection point on the concrete face
- All stainless steel
- M10 threaded hole for the cable lug
- 10 mm stem for connection to the reinforcement

Technical specifications

Type	Fixed earthing point (bonding point) for concrete structures
Material	Stainless steel: plate, threaded sleeve and stem
Plate	Round, Ø80 × 2.5 mm, with the earth symbol and the KALOT name
Mounting holes	3 × Ø4.5 mm for nailing the plate to the formwork
External connection	Threaded hole M10 × 1.25 at the centre of the plate, for the cable lug bolt
Stem	Ø10 × 195 mm, screws into the sleeve behind the plate
Overall length	232.5 mm
Weight	About 262 g
Connection to reinforcing bar	A green and yellow conductor is joined to the end of the stem by exothermic welding, and its other end is fastened to the reinforcing bar with a galvanised U clamp
Installation location	Surface of concrete columns, walls, foundations and beams

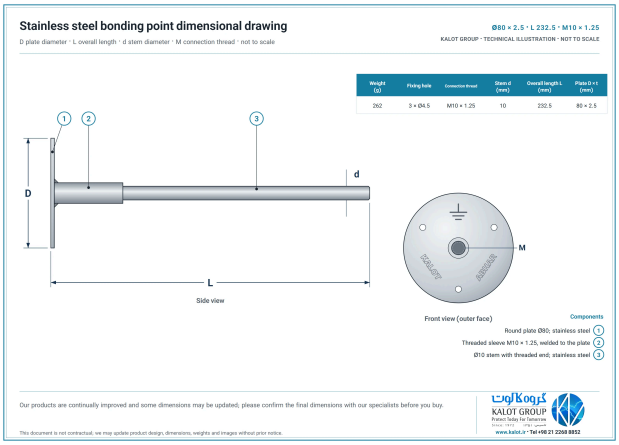
Dimensions

Plate D × t (mm)	Overall length L (mm)	Stem d (mm)	Connection thread	Fixing hole	Weight (g)
80 × 2.5	232.5	10	M10 × 1.25	3 × Ø4.5	262

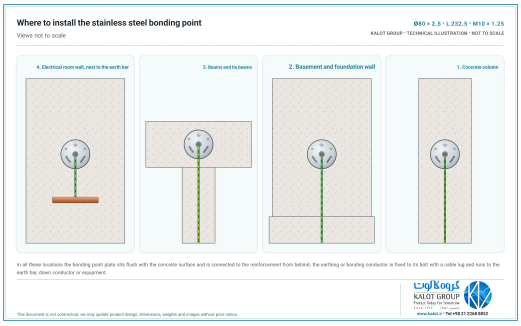
Dimensions are in millimetres and weight in grams; the depth of the external connection thread is about 20 mm. Our products are continually improved and some dimensions may be updated, so please confirm final dimensions with our specialists before you buy.

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Dimensional drawing



Connection modes



Installation

1. Screw the stud fully into the sleeve behind the plate. 2. Nail the plate to the inside face of the formwork with three nails through the edge holes, and close the threaded hole with a cap or tape so no cement slurry gets in. 3. Exothermically weld a green and yellow insulated copper conductor to the end of the stud and fix its other end to the nearest reinforcing bar with a galvanised U clamp; the stud, weld and clamp must have full concrete cover. 4. After pouring and striking the formwork, remove the cap from the threaded hole; the plate stays flush with the concrete face. 5. Fix the earthing or bonding conductor's cable lug to the plate with an M10 × 1.25 bolt and washer, and tighten the bolt to the manufacturer's instructions. 6. Measure the electrical continuity between the bonding point and the reinforcement or earth bar, and record the result.

Selection and enquiries

To request a bonding point price, send our specialists the number of connection points, the type of structure (column, wall, foundation) and the diameter of the reinforcing bar at the connection point, and they will also recommend the right reinforcing bar clamp.

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