Galvanised cross clamp, conductor to conductor (GLSC)

GLSC 5095



The KALOT Group galvanised cross clamp, also called a galvanised four-way clamp or cross clamp, joins two galvanised steel round wires or galvanised conductors where they cross, in an X shape. The clamp is made of two identical pressed plates, each with an angled round groove; the plates are fitted one on the other so the grooves run at right angles, each conductor sits in the groove of one plate, and two M6 bolts press the two conductors together at the crossing point.

- Foundation earth electrode crossings and branches
- Two round galvanised conductors, 50 to 95 mm²
- Four-way or three-way joint, at 90 degrees
- Two pressed galvanised steel plates, two M6 bolts

Technical specifications

Type	Two-plate pressed cross clamp for an X connection of two round conductors
Material	Galvanised steel (plates, bolts and nuts)
Plates	Two identical plates of 2 mm steel sheet, 80 × 25 mm, rounded corners, with a diagonal round groove and KALOT engraving
Groove	45 degrees to the plate length; 9 mm outer radius; projects 7 mm from the plate surface
Holes	Two 8 mm holes in each plate, 56 mm centre to centre
Bolts	Two hex bolts M6 25 mm long
Nuts	Two hex nuts M6
Weight	83 g (complete set)
Suitable conductor	Galvanised steel round wire or stranded conductor
Conductor cross-section	50 to 95 mm² (round wire 8 to 11 mm)
Joint arrangement	X crossing at 90 degrees; four-way (both conductors run through) or three-way (branch)
Do not use with	Copper conductor
Connection type	Bolted
Main application	Crossings and branches of foundation earth electrodes
Other locations	Crossings of roof air termination networks and galvanised bonding conductors
Code	GLSC 5095

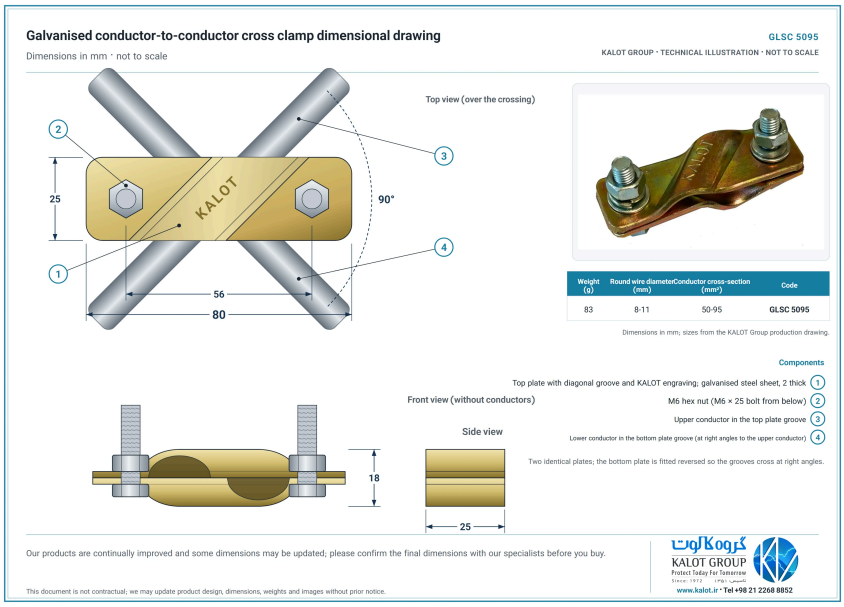
Code and dimensions (GLSC)

Code	Conductor cross-section (mm²)	Round wire diameter (mm)	Plate length (mm)	Plate width (mm)	Weight (g)
GLSC 5095	50-95	8-11	80	25	83

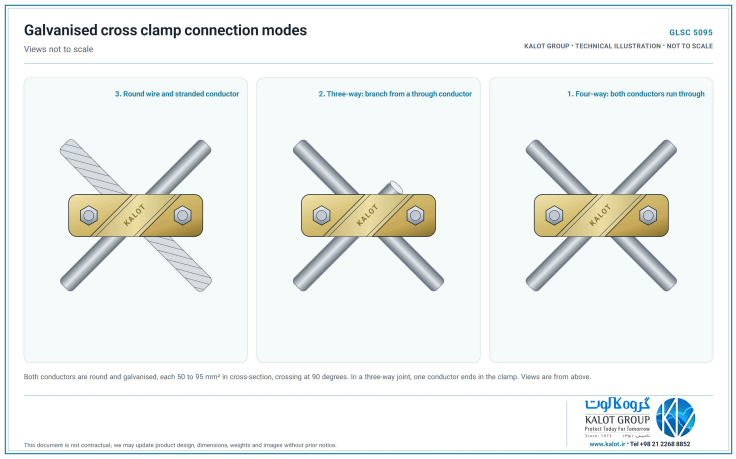
Diameters and dimensions are in millimetres and cross-sections in square millimetres; the weight is for the complete set (two plates, two bolts and two nuts). Our products are continually improved and some dimensions may be updated, so please confirm final dimensions with our specialists before you buy.

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Dimensional drawing



Connection modes



Installation

1. Choose the clamp by the cross-section of both conductors and make sure both are galvanised and that no copper is in this joint. 2. Before installation, remove mud, concrete slurry, rust and paint from the crossing point of both conductors, and do not scrape the coating off the conductors or the clamp. 3. Pass the bolts through the holes of the lower plate and place it under the crossing so the lower conductor sits in its groove. 4. Lay the second conductor across the first at right angles and fit the upper plate on the bolts so its groove sits over the second conductor. 5. Hand-tighten the nuts first, then tighten them evenly with a spanner to the manufacturer's instructions until both conductors are pressed into the grooves and onto each other. 6. Check that both conductors sit along the full length of the grooves, the crossing is still at right angles, and the clamp has not damaged the conductors. 7. In foundations, make sure before pouring that at least 5 cm of concrete will surround the clamp and conductors, and photograph the crossings to record their location and workmanship.

Selection and enquiries

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