Two-bolt parallel conductor-to-conductor clamp (PCC)

PCC 35 · PCC 50 · PCC 70 · PCC 95



KALOT Group's two-bolt parallel clamp (code PCC), also known in the market as a two-bolt clamp, joins two copper earth conductors side by side and in parallel. The body is two cast brass plates: the top plate has two half-round grooves whose edges are formed over the conductors, and the bottom plate has two shallow grooves. Two stainless steel bolts on the centre line of the clamp, between the two conductors, draw the plates together and press each conductor into its own groove.

- Parallel joint of two copper conductors, with two bolts
- Conductors from 25 to 185 mm² in four codes
- Two-jaw brass body, stainless steel bolts and nuts
- Branch without cutting the main conductor, removable

Technical specifications

Type	Two-bolt parallel clamp (two-bolt clamp) for the parallel joint of two copper conductors
Body	Two cast brass jaws: upper jaw with two semicircular grooves and bent edges, lower jaw with two shallow grooves
Bolt, washer and nut	Stainless steel: two hexagon bolts with washers and two nuts, on the centre line of the clamp between the two conductors
Suitable conductor	Stranded copper conductor: main and branch conductors, both within the range of the same code
Conductor range	25 to 185 mm² in four codes
Dimensions	Length 50 to 65 and width 40 to 57 mm, depending on the code (see the code table)
Bolts	Two screws M8 × 35 for PCC 35 and PCC 50; two bolts M10 × 45 for PCC 70 and M10 × 55 for PCC 95
Arrangement	Two parallel conductors, on either side of the bolts
Connection type	Bolted, can be opened and refastened
Installation location	Accessible locations: on a wall or cable tray, inside a panel or in an inspection pit
Codes	PCC 35, PCC 50, PCC 70 and PCC 95

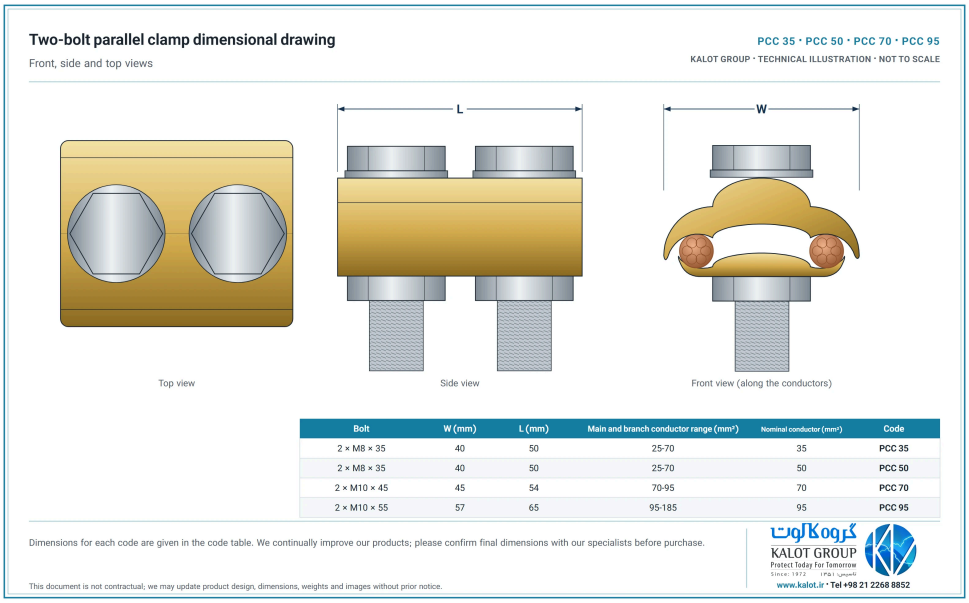
Codes and dimensions of the two-bolt clamp (PCC)

Code	Nominal conductor (mm²)	Main and branch conductor range (mm²)	L (mm)	W (mm)	Bolt
PCC 35	35	25-70	50	40	2 × M8 × 35
PCC 50	50	25-70	50	40	2 × M8 × 35
PCC 70	70	70-95	54	45	2 × M10 × 45
PCC 95	95	95-185	65	57	2 × M10 × 55

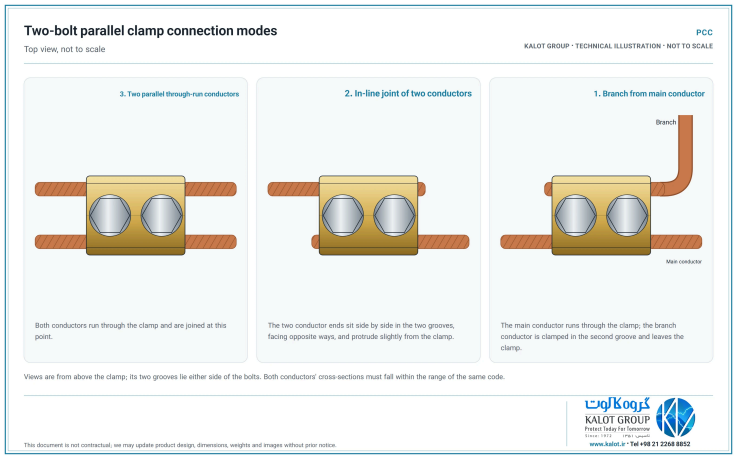
Cross-sections are in square millimetres and dimensions in millimetres. L is the length of the clamp along the conductors and W is its width. The "conductor range" applies to both grooves of the clamp. The main and branch conductors need not be the same size, as long as both fall within the range of the same code. We continually improve our products and some dimensions may be updated, so please confirm the final dimensions with our specialists before you buy.

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

Dimensional drawing



Connection modes



Installation

1. Select the clamp code by the cross-section of the conductors; both conductors must fall within the range of that code. 2. Clean both conductors at the clamp position with a wire brush to remove oxide, grease and paint. 3. Loosen the nuts so the two plates move apart; the bolts do not need to come out fully. 4. Place the two conductors in the two grooves, one on each side of the bolts, so they sit fully in the grooves; let the end of the branch conductor project slightly from the clamp. 5. Tighten the two nuts by hand first, then evenly and in turn, following the manufacturer's instructions, so the plates press both conductors at the same time. 6. Check that the clamp does not move on the conductors and that the joint stays accessible.

Selection and enquiries

When you enquire, send us the cross-section of both conductors, the type of joint (branch, continuation or two through-run conductors), the installation location and the quantity you need, and our specialists will advise the right code and the price.