

Mid Clamp vs End Clamp: What's the Difference and How Many Do You Need?

What Is a Mid Clamp?

A mid clamp secures the adjacent edges of two solar panels in the middle of an array. It sits between two panels and clamps both frames at the same time.

What Is an End Clamp?

An end clamp secures the outer edge of the first and last panel in a row. It has one flat side that sits flush with the end of the rail.

How to Calculate Quantities

Mid Clamps = (panels per row - 1) x 2

End Clamps = 4 per row (2 at each end)

Example: 20 panels, 2 rows of 10

Mid clamps: $(10-1) \times 2 \times 2 = 36$ pcs

End clamps: $4 \times 2 = 8$ pcs

Total: 44 pcs

Common Mistakes

- Using mid clamps as end clamps (won't secure outer edge)
- Mixing sizes - match your panel frame exactly
- Forgetting 5-10% spares

NovaClamp supplies both mid and end clamps in 30mm, 35mm, and 40mm sizes. Contact us for bulk pricing.