

## Introduction

Engineered for the unique demands of commercial Kalzip standing seam metal roofs, our specialized aluminum solar clamp provides a secure, reliable, and completely non-penetrating foundation for your photovoltaic (PV) system. Designed to protect your roof's integrity and longevity, it is the intelligent choice for large-scale commercial and industrial solar installations.

The HQ Mount Kalzip Roof Clamp is a precision-engineered solar component of a complete rooftop pv mounting kit. It securely attaches to the standing seams of Kalzip metal roofs without drilling or penetration, preserving the roof's waterproof warranty and structural integrity. The system integrates seamlessly with standard solar L-feet, aluminum rails, and mid/end clamps to create a robust and adaptable PV array structure.



## Key Features & Design Advantages

**True Non-Penetrating Attachment:** Solar roof Clamps directly onto the kalzip standing seam deck, eliminating roof leaks and warranty concerns associated with drilled solutions.

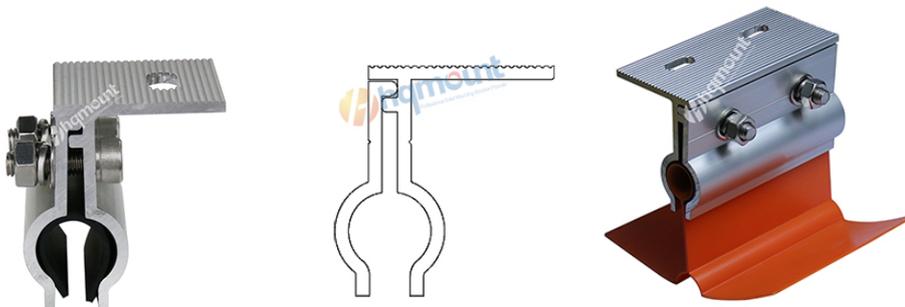
**Integrated Corrosion Protection:** Features an EPDM rubber isolator to prevent galvanic corrosion between the aluminum roof clamp and the steel Kalzip roof deck.

**Secure Mechanical Grip:** Utilizes two sets of stainless steel Allen bolts and nuts to ensure a vibration-resistant, fail-safe hold on the seam.

**Complete System & Grounding Ready:** Sold as part of a full kit including solar L-feet, pv rails, and solar panel clamps. Offers dedicated sections for comprehensive grounding with options for grounding lugs and bonding jumpers, ensuring compliance with electrical safety codes.

**Proven Structural Integrity:** Laboratory tensile testing verifies a safe working load of 1900N, providing certified confidence in the clamp's ability to withstand high wind uplift forces.

**Optimized Design:** Precision-crafted from high-strength aluminum, the kalzip roof clamp features a compact profile and is typically supplied in a standard 50mm cutting length for universal compatibility. (Other sizes are available)



## Why Choose Our Kalzip Solar Roof Clamp?

Technical Specifications (To Be Customized per Model)

Laboratory-Verified Strength

Our commitment to quality is proven with data. Independent tensile testing confirms the KZ01 clamp's reliability:

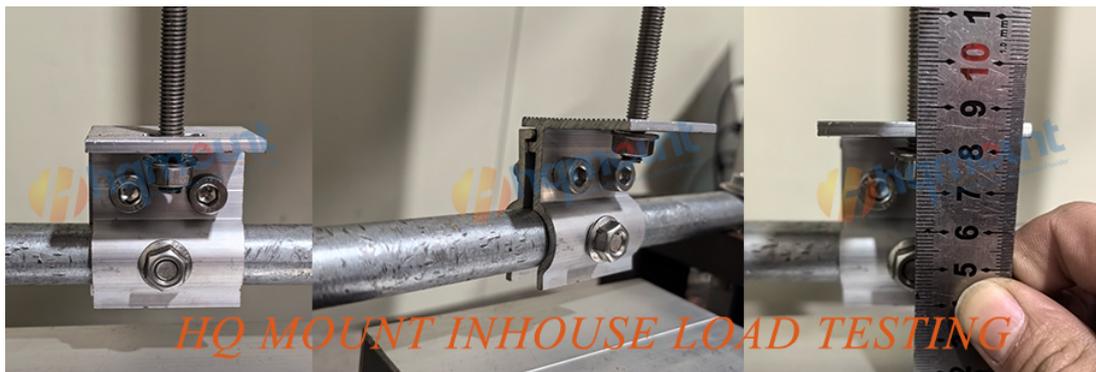
Parameter	Detail
Model	HQ Mount KZ01
Material	High-Strength Aluminum Alloy AL6005-T5
Fasteners	Stainless Steel 304 Allen Bolts & Nuts

Isolator	EPDM Rubber Pad
Typical Length	50mm,100mm, or customized per customer's needs
Finish	Anodized, mill surface available
Compatibility	Kalzip Standing Seam Profiles

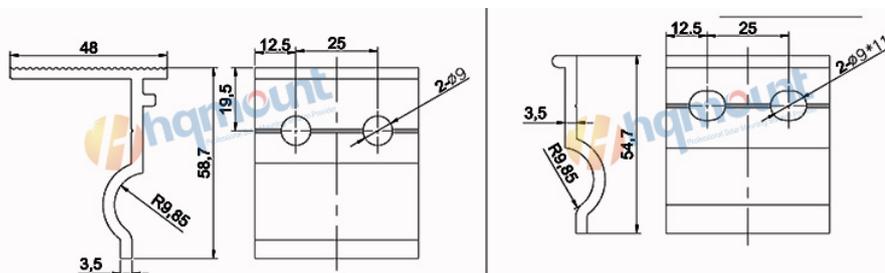
### Laboratory-Verified Strength

Our commitment to quality is proven with data. Independent tensile testing confirms the KZ01 pv mounting roof clamp's reliability:

Test Load	Result After Unloading	Performance Insight
Up to 1500N	Zero permanent deformation	Operates in a fully elastic, recoverable range.
1900N	Minimal 0.5mm deformation	Established Safe Working Load. Demonstrates reliable performance extreme conditions.
2300N	1.5mm deformation	Indicates the load progression beyond the safety threshold.



This inhouse testing is based on our metal roof clamp design with R9.85mm, thickness 3.5mm model Kalzip metal clamp KZ01



## Projects



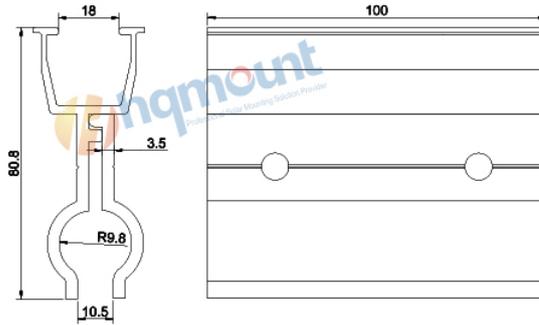
*HQ Mount Commercial Solar Metal Roof Project, 5MW in Vietnam, a Fast Installation Chosen by Local EPC*

## Package For Solar Mounting Clamp KZ01



*HQ Mount Factory Packing for Solar Components KZ01*

If you are looking for a faster installation and a more cost-effective solution for kalzip metal roof solar mounting system, our KZ01S with embedded the Rail with clamp would be your NO.1 Choice.



HQ Mount as a professional solar mounting supplier, we have a complete solution for a different roof deck mounting request.

### HQ Mount Standing Seam Metal Roof Clamps



Order Your Complete Kit

Simplify your next commercial solar Kalzip roof project with a single-source, tested solution. Contact us for technical packages, solar mounting system drawings, and competitive pricing from a leading solar mounting factory directly at [info@hqmount.com](mailto:info@hqmount.com)