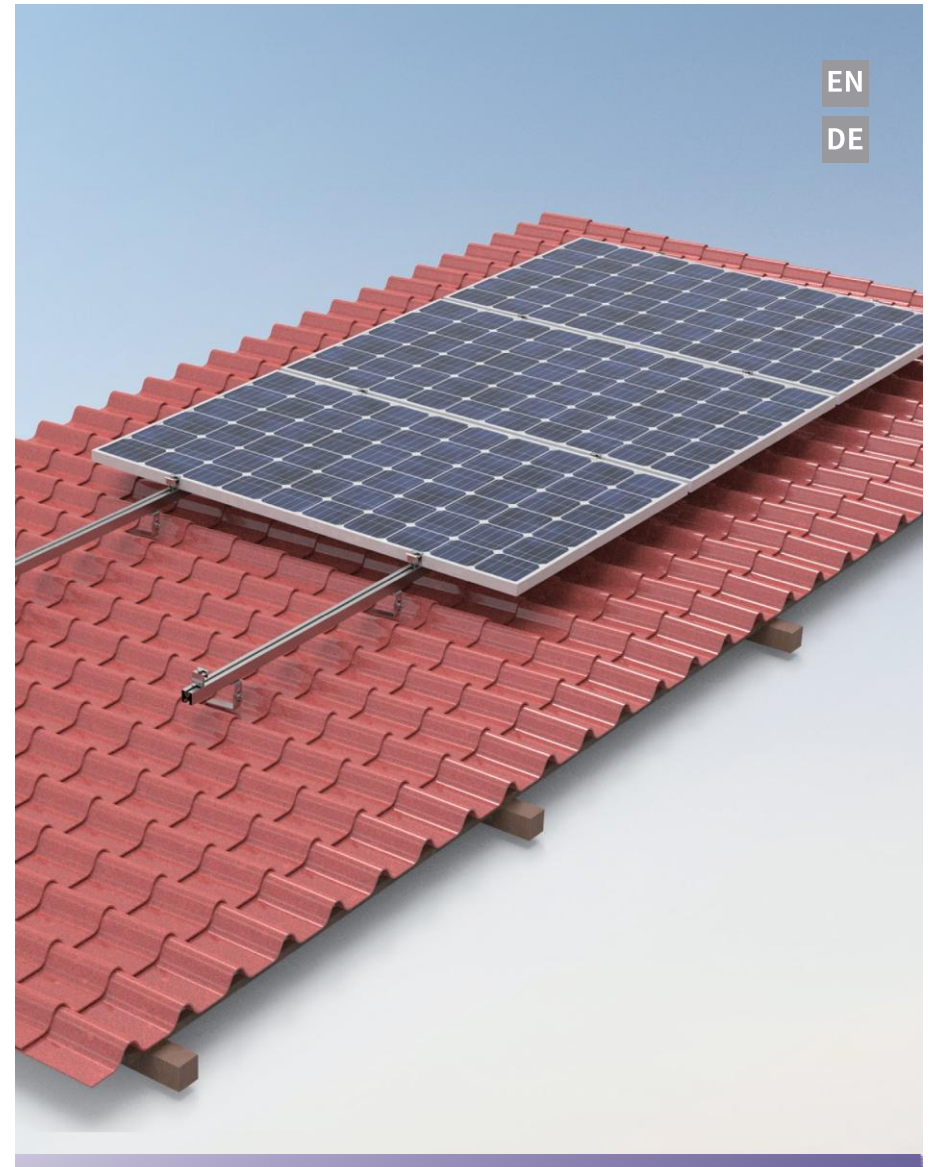


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## INSTALLATION MANUAL INSTALLATIONSANLEITUNG

**R059&RH-0067 for tile roof (Secured via Adapter)(1x4)**  
**R059&RH-0067 für Ziegeldach(befestigt über Adapter)(1x4)**

SC01-R059-H067-1x4-0011

\*Recommended Installation Torque for Bolts. •M8: 12–15 N·m •M10: 24–30 N·m

\*Empfohlenes Anzugsmoment für Schrauben. •M8: 12–15 N·m •M10: 24–30 N·m

## 1. Installation tools

### 1. Werkzeuge



Allen Wrench  
(M8-M12)  
**Innensechskantschlüssel**  
(M8-M12)



Tape Measure  
**Bandmaß**



Twist Wrench  
(M8-M12)  
**Schraubenschlüssel**  
(M8-M12)



Wood Hammer  
**Holzhammer**



Electric Screw Machine  
**Elektrische Schraubenmaschine**



Wrench  
(M8-M12)  
**Schlüssel**  
(M8-M12)



Rope  
**Seil**



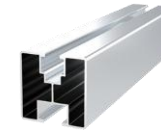
Electric Rotor  
**Innensechskant Nuss Satz**



Awning Turned  
**Bohrer**

## 2. Components List

### 2. Komponentenliste



Rail  
**Schiene**



Rail Splice  
**Schienenverbindung**



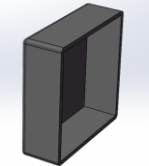
Mid/End Clamp  
**Mittel-/Endklemme**



Adapter  
**Adapter**



Hook  
**Haken**



Rail Cap  
**Schienenkappe**



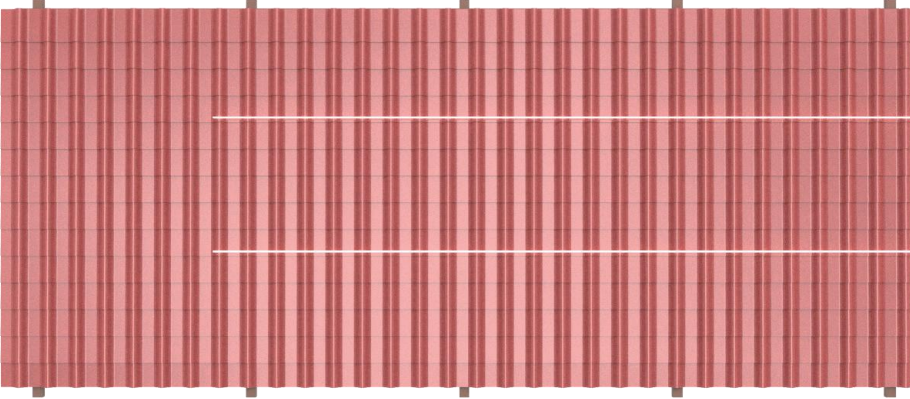
Wooden Screws  
**Holzschrauben**

### 3. Installation Step

#### 3. Installationsschritt

3.11 Measure and confirm the site for Hanger Set

3.11 Messen und bestätigen Sie die Stelle für den Holzsparren



3.21 Lifting the ceramic tiles

3.21 Heben Sie die Dachziegel an

3.22 Drill the wooden screw to wooden pulin

3.22 Nehmen Sie Holzschrauben und schrauben Sie diese entsprechend der Positionierungspunkte senkrecht auf dem Dach in die Holzbalken ein

3.23 Tightening the bolt of Hook

3.23 Anziehen der Hakenschraube



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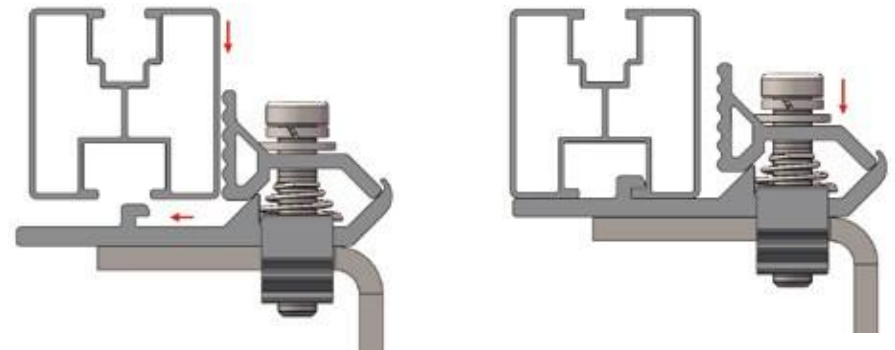
3.24 Completed

3.24 Die Haken werden nacheinander angebracht, dann fertig

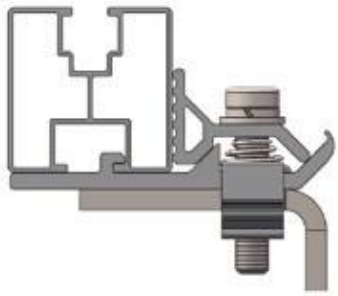


3.3 Loosen the bolts to release the clamp. Insert the rail, ensuring the bottom hooks catch the rail. Tighten the bolts to secure the rail from the side

3.3 Sehen Sie sich die Zeichnung an und schieben Sie die Nut an der Unterseite Schiene in den installierten Schraubenkopf M10\*25, wie in der Abbildung gezeigt



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### 3.4 Install Railing Cap

### 3.4 Installieren Sie die Schienenkappe

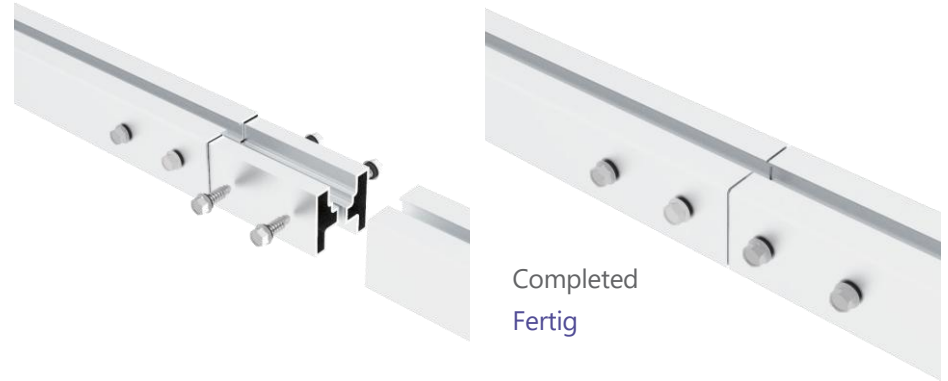


### 3.5 If the length is not enough, using rail splice to connect

### 3.5 Wenn die Länge nicht ausreicht, verwenden Sie zum Verbinden eine Schienenverbindung

**Note:** Install 2pcs of railing splice to the end of different railing, and drill the self-drilling screws

**Hinweis:** Bringen Sie zwei Schienenverbindungen am Ende der anderen Schiene an und bohren Sie die selbstbohrenden Schrauben



Completed railing installation

Die Installation der Schiene ist abgeschlossen



**3.6 Install the solar panel on the end of railing (leave about 600mm span to lock End Clamp)**

**3.6 Installieren Sie das Solarpanel am Ende der Schiene (lassen Sie etwa 600 mm Abstand, um die Endklemme zu verriegeln)**

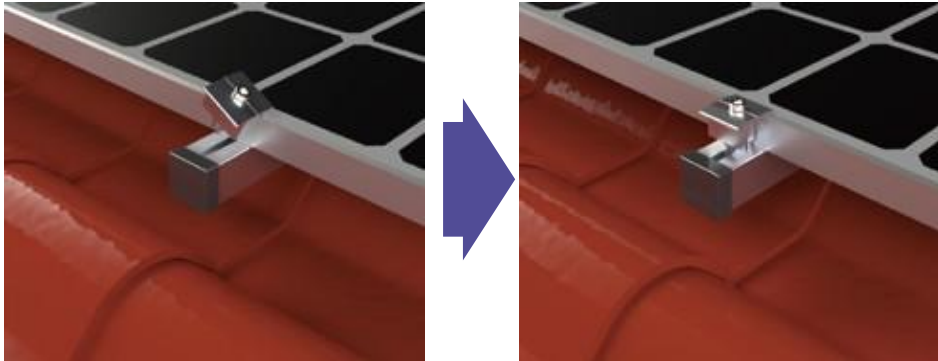


**Step1:** Directly press the End clamp into the railing

**Schritt1:** Drücken Sie die Endklemme direkt in die Schiene

**Step2:** Tightening the bolt of end clamp

**Schritt2:** Anziehen der Schraube der Endklemme



### 3.7 Install the mid clamp

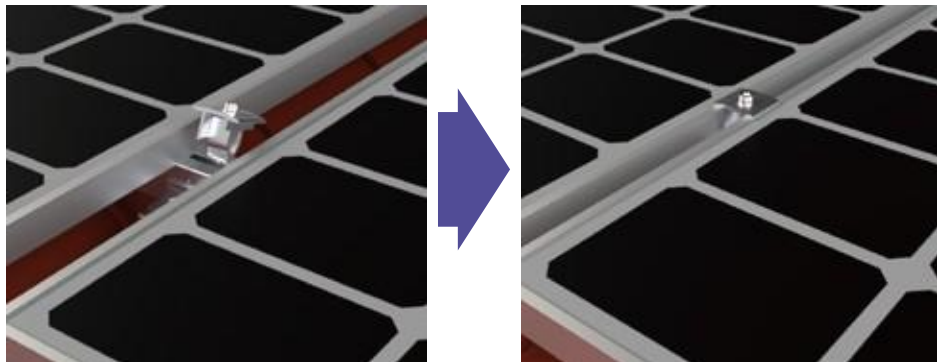
### 3.7 Installieren Sie die Mittelklemme

**Step1:** Directly press the Mid clamp into the railing, and put the 2nd panel

**Schritt1:** Drücken Sie die Mittelklemme direkt in die Schiene und setzen Sie das zweite Solarmodul ein

**Step2:** Tightening the bolt of mid clamp

**Schritt2:** Anziehen der Schraube der Mittelklemme

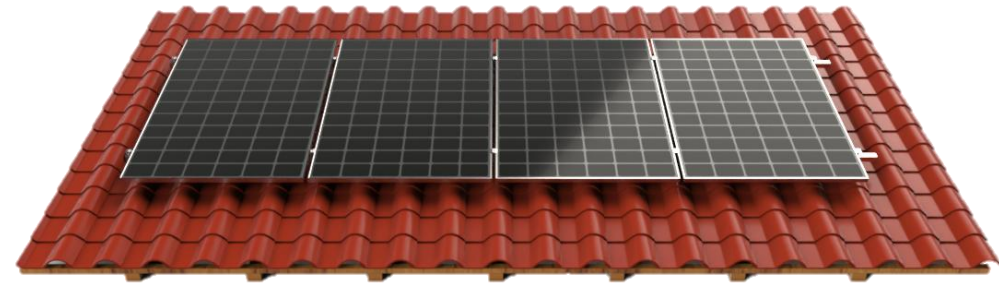


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Completed

Fertig



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Purchasers should also ensure that the installation supports the building or its accessories safely and meets installation requirements, and is sufficient to support the product and its photovoltaic power generation system for over 20 years.

Purchasers should not install or use this product in environments with corrosive air or water, such as acids or alkalis in the vicinity.

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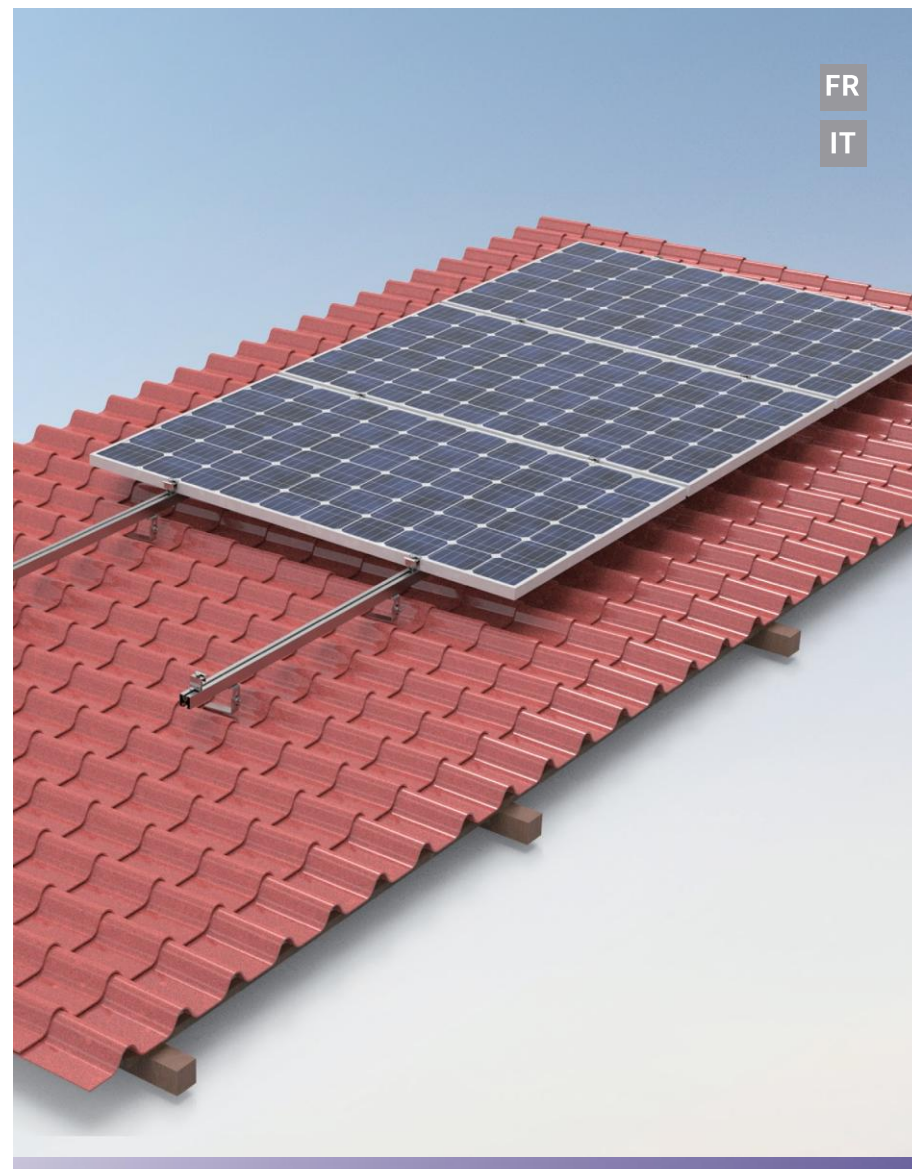
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We shall not be liable for any consequences resulting from failure to comply with local legal requirements and/or failure to follow instructions, warnings, etc., during the installation of this product, nor shall we be liable for any losses to the supporting building or any third party resulting from the installation process or subsequent usage, nor shall we be liable for any multiple installations, disassembly and reuse, or second-hand purchases of this product.

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## MANUEL D'INSTALLATION MANUALE DI INSTALLAZIONE

**R059&RH-0067 pour toit en tuiles(fixé viaadaptateur)(1x4)**  
**R059&RH-0067 per tettointegole(fissato tramite adattatore)(1x4)**

SC01-R059-H067-1x4-0011

\*Couple de serrage recommandé pour les boulons. •M8: 12–15 N·m •M10: 24–30 N·m

\*Forza di serraggio consigliata. •M8: 12–15 N·m •M10: 24–30 N·m

## 1. Outils

### 1. Strumenti



Clé Allen  
(M8-M12)  
Llave Allen  
(M8-M12)



Mètre à ruban  
Cinta métrica



Clé  
dynamométrique  
(M8-M12)  
Llave de torsión  
(M8-M12)



Marteau à bois  
Martillo de madera



Tournevis électrique  
Máquina de tornillos eléctrica



Clé  
(M8-M12)  
Llave inglesa  
(M8-M12)



Corde  
Soga



Rotor électrique  
Rotor eléctrico



Auvent tourné  
Toldo girado

## 2. Liste des composants

### 2. Specifiche dei componenti



Rail  
Binario



Connecteur de Rail  
Raccordo per binari



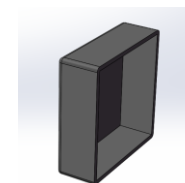
Pince milieu / Pince d'extrémité  
Morsetto Centrale/Morsetto Finale



Adaptateur  
Adattatore



Crochet de Toit  
Gancio



Capot de rail  
Cappuccio del binario



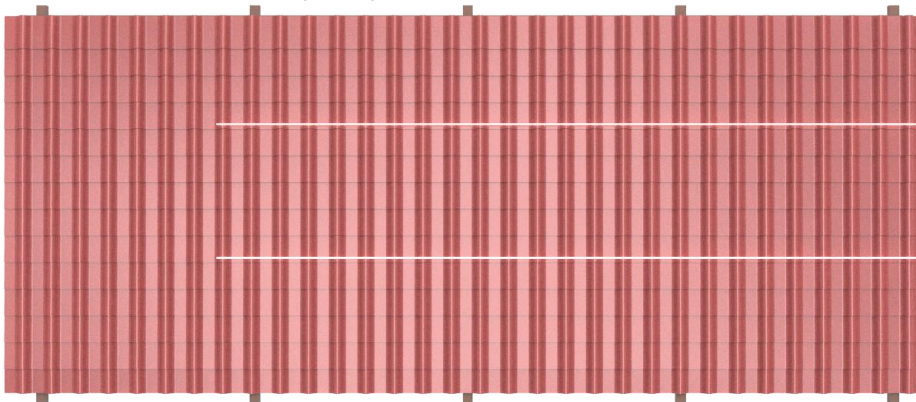
Vis en Bois  
Viti per il legno

### 3. Instructions d'installation

#### 3. Fasi di installazione

3.11 Trouver les pannes, confirmer et marquer le position des trous

3.11 Cercare la posizione delle travi di legno, segnare una linea sulla superficie del tetto e stabilire i punti per il foro



3.21 Soulever les carreaux de céramique

3.21 Togliere le tegole

3.22 Percez la vis à bois dans la panne

3.22 Prendere le viti per il legno e inserirle verticalmente nella trave nei punti precedentemente individuati

3.23 Serrer le boulon du crochet

3.23 Stringere le viti



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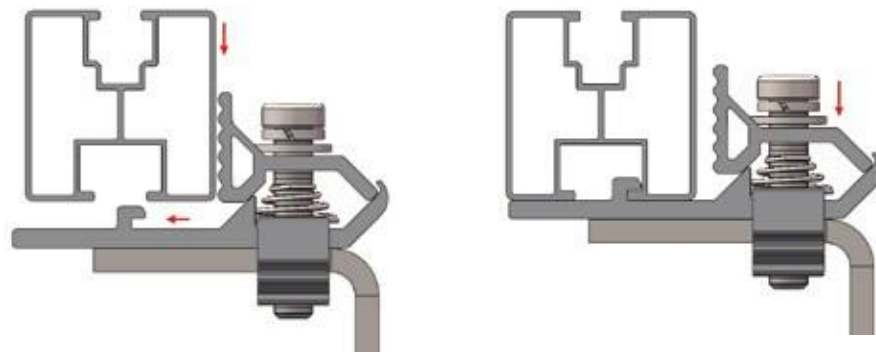
3.24 Tous les crochets sont installés dans l'ordre selon les mêmes étapes

3.24 Installazione dei ganci completati

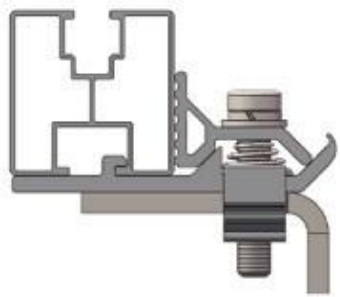


3.3 Insérer le boulon M10\*25mm dans le rail, puis le serrer sous le rail, veuillez vous référer à l'image ci-dessous

3.3 Consultando il disegno di progettazione, fai scivolare l'incavo inferiore del binario sui bulloni M10\*25, che sono stati precedentemente installati, come mostrato nella figura



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**3.4 Installer le couvercle de rail**  
**3.4 Installazione del tappo per binario**



**3.5 Si la longueur n'est pas suffisante, il faut d'utiliser une épissure de rail pour la connexion**  
**3.5 Prolungare la lunghezza del binario utilizzando il raccordo per binari**

Note: Installer 2 pièces d'épissure de rail à l'extrémité des différents rails, et percer les vis autoperceuses

Utilizzare le viti autofilettanti per fissare tra loro il binario e il raccordo per i binari



Fin de l'installation des rails  
 Completata l'installazione dei binari



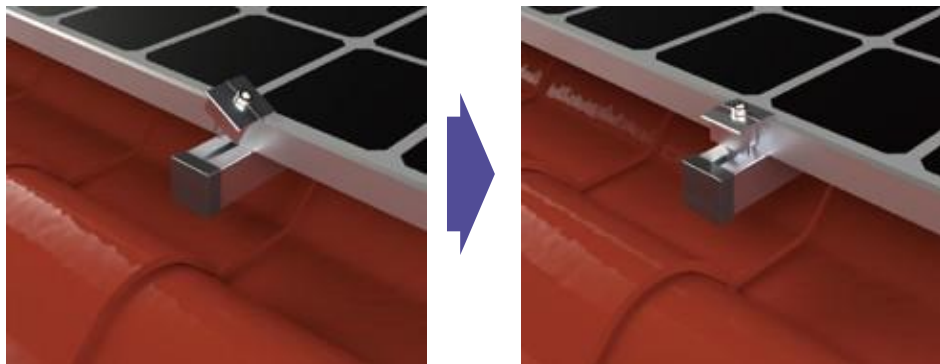
**3.6 Installer le panneau solaire à l'extrémité du rail (laisser environ 600 mm de portée pour serrer la pince d'extrémité)**  
**3.6 Installare i morsetti laterali, lasciare 600mm di spazio ai margini dei binari**

**Étape 1** : Presser directement la pince d'extrémité dans le rail

**Fase 1** : posizionare i pannelli fotovoltaici e fissali utilizzando i morsetti laterali inserendoli dall'alto verso il basso

**Étape 2** : Serrer du boulon de la pince d'extrémité

**Fase 2** : stringere i bullini dei morsetti



**3.7 Installer la pince centrale**

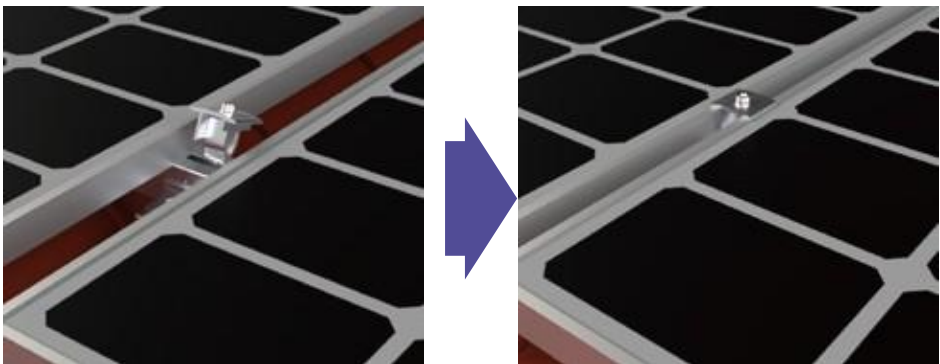
**3.7 Installare i morsetti centrali**

**Étape 1** : Appuyez la pince d'extrémité de haut en bas entre les 2 panneaux posés

**Fase 1** : inserire i morsetti centrali nello spazio tra due pannelli fotovoltaici

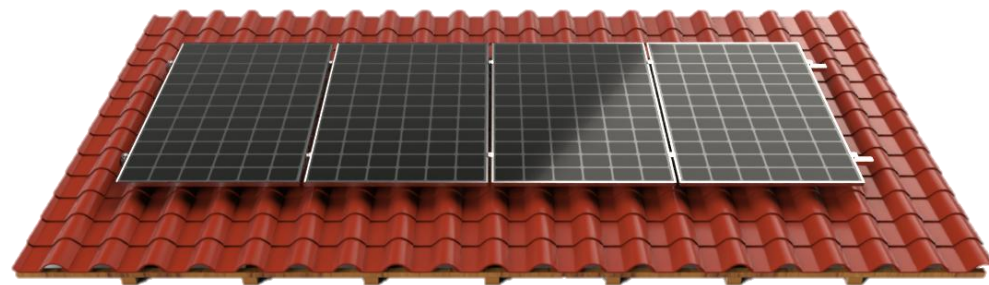
**Étape 2** : Serrer du boulon de la pince centrale

**Fase 2** : stringere i bullini dei morsetti



Terminé

Completato



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