

EMPOWERING OUR WORLD
WITH CLEAN ENERGY

EN

DE



INSTALLATION MANUAL

INSTALLATIONSANLEITUNG

R95&HA-1001 to pitch roof
R095&HA-1001 mit Haken

SC01-R095-HA1001-1x4-0001

*Recommended Installation Torque for Bolts. •M8: 12–15 N·m
 *Empfohlenes Anzugsmoment für Schrauben. •M8: 12–15 N·m

1.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
(R095)



Rail Splice
Schienenverbindung
(SR-0087)



Mid/End Clamp
Mittel-/Endklemme
(CM-0163)



Hook
Haken
(HA-1001)



Rail Cap(L/R)
Schienenkappe
(DG-0056)



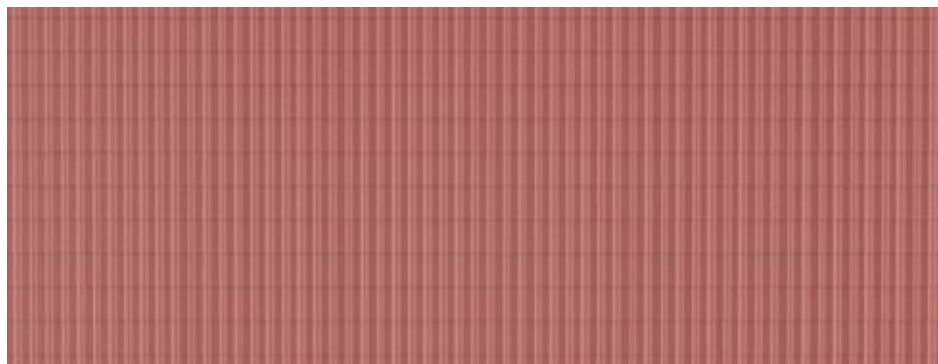
Screw
Schrauben
(FA-0985)

3. Installation Step

3.Installationsschritt

3.1 Measuring the spacing of wooden beams under a tiled roof

3.1 Messung des Abstandes von Holzbalken unter einem Ziegeldach

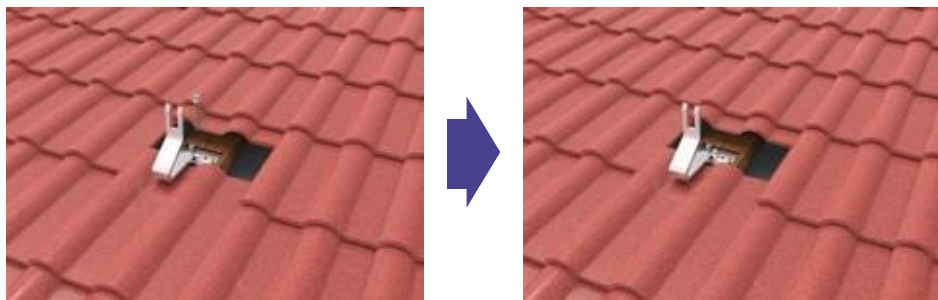


3.2 Hook Installation

3.2 Hakeninstallation

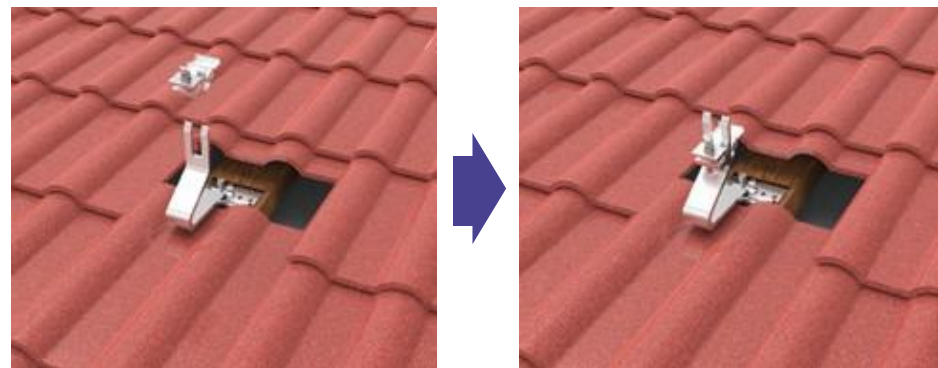
3.21 Lift the roof tiles, adjust the hook position so that it does not interfere with the tiles, and then drive in the wood screws (FA-0985). If you need to adjust the position of the base and the hook, loosen the bolts on the hook and adjust it left/right/up/down.

3.21 Heben Sie die Dachziegel an, passen Sie die Hakenposition so an, dass sie die Ziegel nicht behindert, und schrauben Sie dann die Holzschrauben (FA-0985) ein. Wenn Sie die Position der Basis und des Hakens anpassen müssen, lösen Sie die Schrauben am Haken und passen Sie ihn nach links/rechts/oben/unten an.



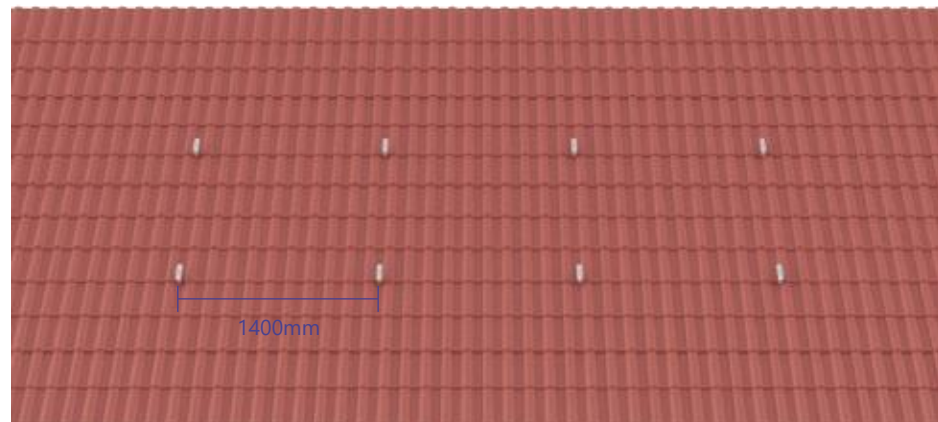
3.2.2 Place the guide rail seat groove and fixing block assembly (HA-0922) on the hook.

3.2.2 Platzieren Sie die Führungsschienenensitznut und die Befestigungsblockbaugruppe (HA-0922) am Haken.



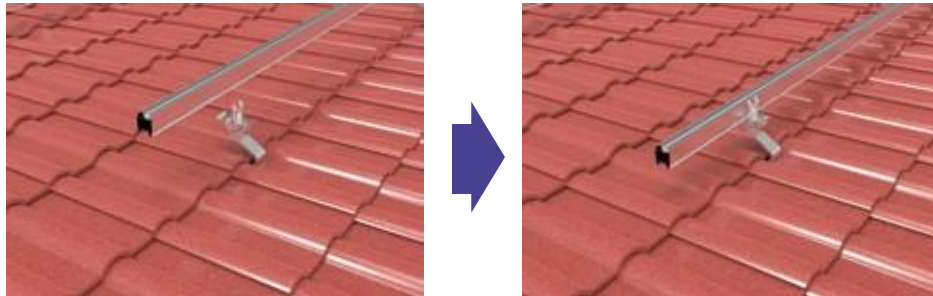
3.2.3 Drive wood screws in sequence according to the spacing between wooden beams to complete the installation of the hooks.

3.2.3 Drehen Sie die Holzschrauben der Reihe nach entsprechend dem Abstand zwischen den Holzbalken ein, um die Montage der Haken abzuschließen.



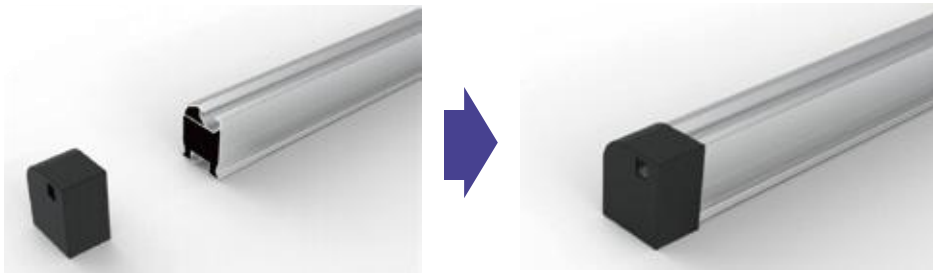
3.3 Insert the Rail R095 into the rail seat groove, adjust the height position, lock the fixing blocks at both ends, and lock the rail.

3.3 Setzen Sie die Schiene R095 in die Schienensitznut ein, stellen Sie die Höhenposition ein, verriegeln Sie die Befestigungsblöcke an beiden Enden und verriegeln Sie die Schiene.



3.4 Install Railing Cap.

3.4 Schienenkappe installieren.

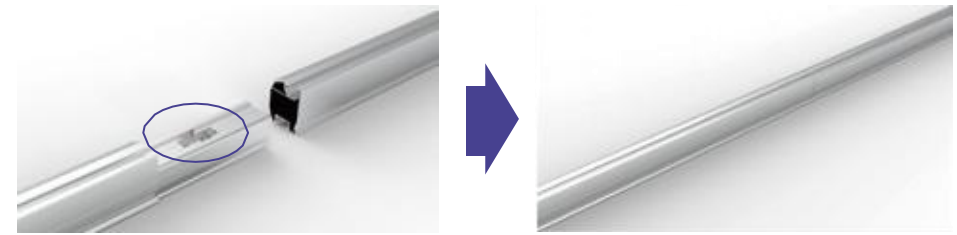


If the length is not enough, using rail splice to connect.

Reicht die Länge nicht aus, können die Verbindung mittels Schienenverbinder erfolgen.

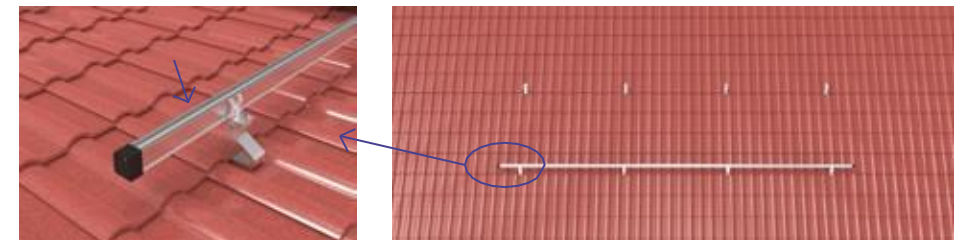
Note: Connect and fix through the block on the connector and the slot of the track

Hinweis: Verbinden und befestigen Sie den Block am Verbinder und am Schlitz der Schiene.



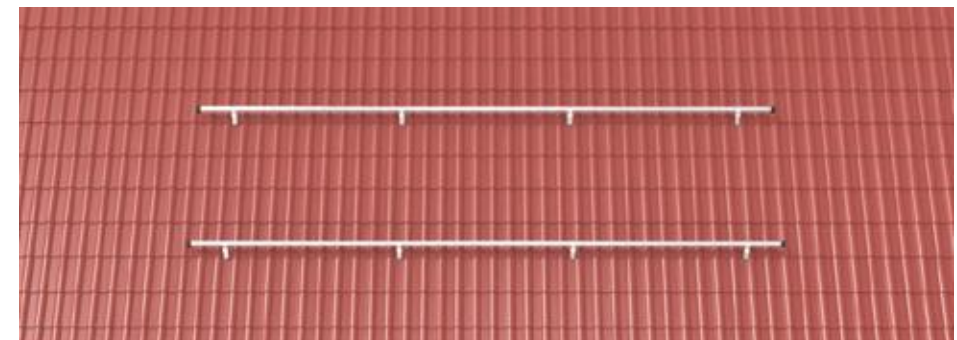
3.5 Slide the rail connector into the rail and lock it with the shrapnel on the rail connector so that it cannot be easily pulled out.

3.5 Schieben Sie den Führungsschienenverbinder in die Führungsschiene und verriegeln Sie ihn mit der Federlasche am Führungsschienenverbinder, um ein leichtes Herausziehen zu verhindern.



Completed railing installation

Abgeschlossene Installation



3.6 Installation of solar panels.

3.6 Installation von Solarmodulen.

3.6.1 Installation of the End clamp (CM-0163) on the side of the panel

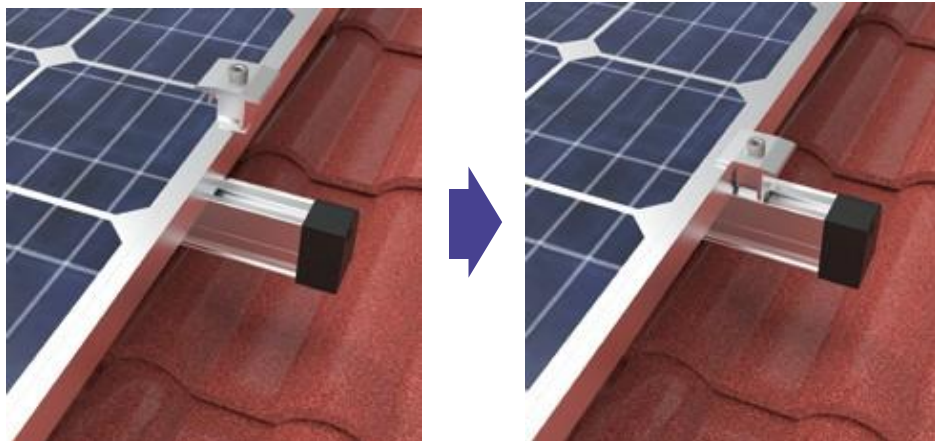
3.6.1 Installieren Sie die Endklemme (CM-0163) auf der Seite des Solarmoduls

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: Festziehen der Schraube der Endklemme.



3.6.2 Installation of mid clamp(CM-0163) between panels

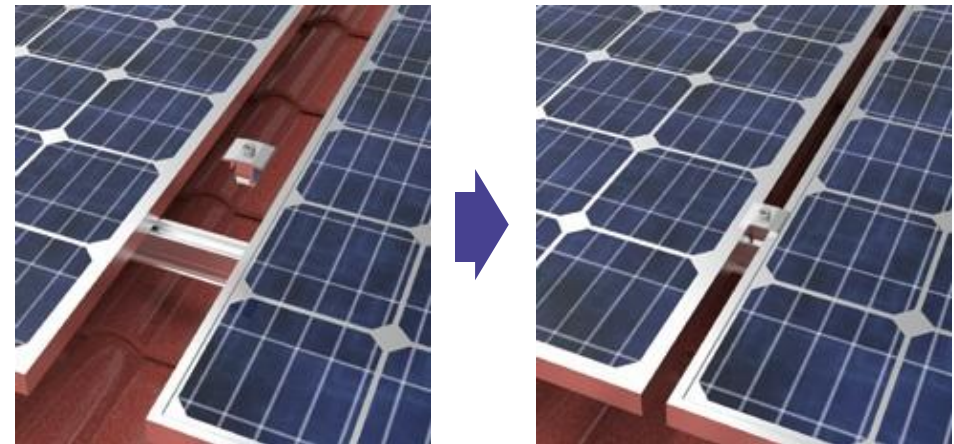
3.6.2 Installation der Mittelklemme (CM-0163) zwischen Solarmodulen

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

Schritt1: Drücken Sie die Mittelklemme direkt in die Schiene und legen Sie das 2. Solarmodul ein.

Step2: Tightening the bolt of mid clamp.

Schritt2: Festziehen der Schraube der Mittelklemme.



3.6.3 Repeat the above steps to complete the installation of the clamp.

3.6.3 Wiederholen Sie die obigen Schritte, um die Installation der Klemme abzuschließen.

Completed

Abgeschlossene Installation



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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 MANUAL DE INSTALACIÓN

Solutions de Crochets pour Toit en Pente avec R95&HA-1001
R95&HA-1001 para tejado inclinado

SC01-R095-HA1001-1x4-0001

*Couple de serrage recommandé pour les boulons. •M8: 12–15 N·m
 *Par de apriete recomendado para pernos. •M8: 12–15 N·m

1.Outils

1.Herramientas



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.Lista de componentes



Rail
Profil
(R095)



Connecteur de rail
unión de perfil
(SR-0087)



Pince intermédiaire
Abrazadera Central/Final
(CM-0163)



Crochet
Gancho
(HA-1001)



Cap de Rail (L/R)
tapa de perfil
(DG-0056)



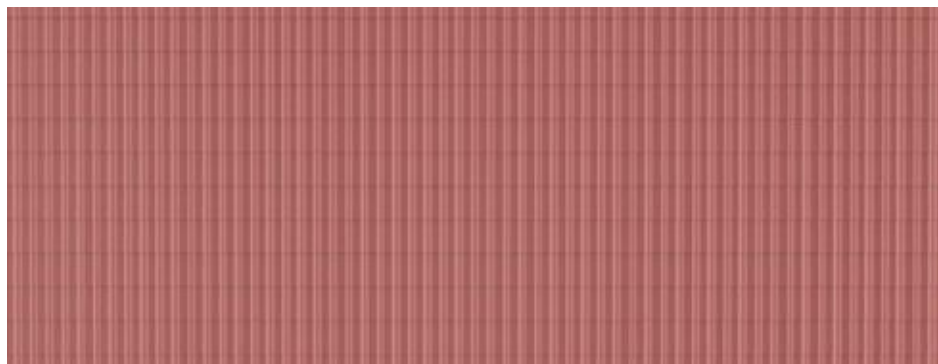
VIS
Tornillo
(FA-0985)

3.Étape d'installation

3.Paso de instalación

3.1 Mesure de l'espacement des poutres en bois sous un toit en tuiles

3.1 Medir la distancia entre vigas de madera bajo un techo de tejas

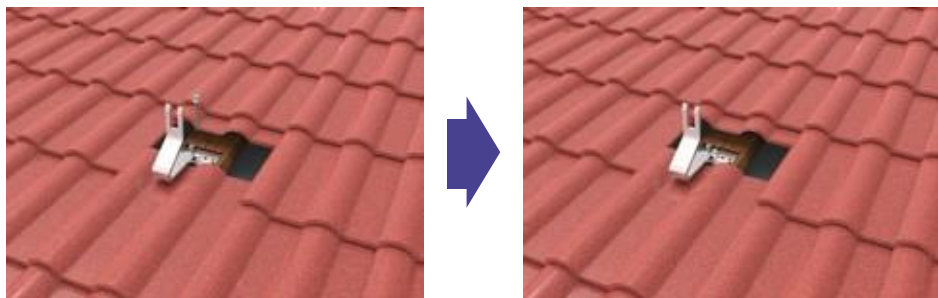


3.2 Installation du crochet

3.2 Instalación de gancho

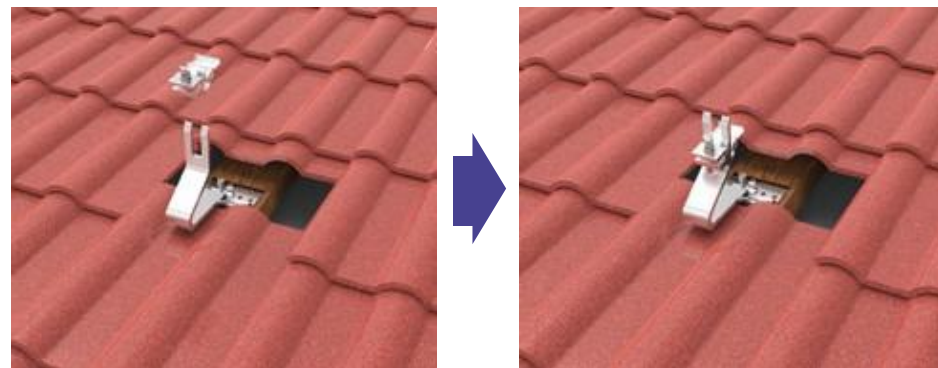
3.21 Soulevez les tuiles du toit, ajustez la position du crochet de manière à ce qu'il n'interfère pas avec les tuiles, puis enfoncez les vis à bois (FA-0985). Si vous devez ajuster la position de la base et du crochet, desserrez les boulons du crochet et ajustez-le vers la gauche/droite/haut/bas.

3.21 Levantar las tejas del techo, ajustar la posición del gancho de modo que no interfiera con las tejas y luego colocar los tornillos para madera (FA-0985). Si necesita ajustar la posición de la base y el gancho, afloje los pernos del gancho y ajústelo hacia la izquierda/derecha/arriba/abajo.



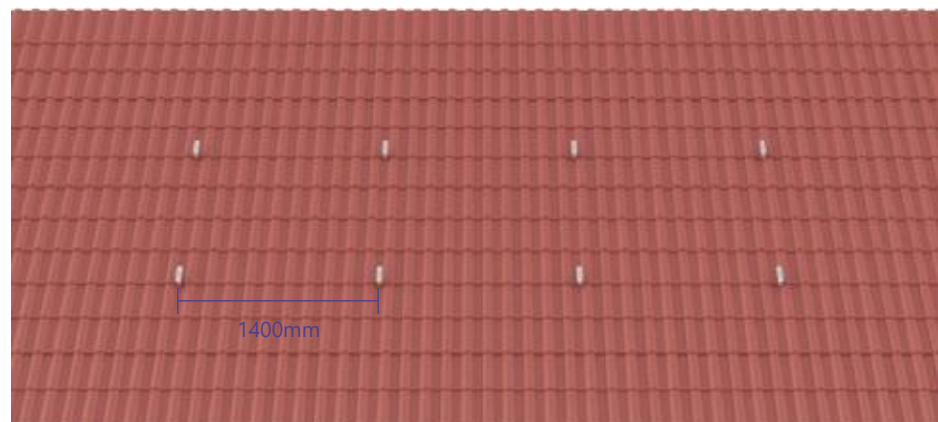
3.2.2 Placez l'ensemble rainure du siège du rail de guidage et bloc de fixation (HA-0922) sur le crochet.

3.2.2 Colocar la ranura del asiento del perfil y el componente de fijación (HA-0922) en el gancho.



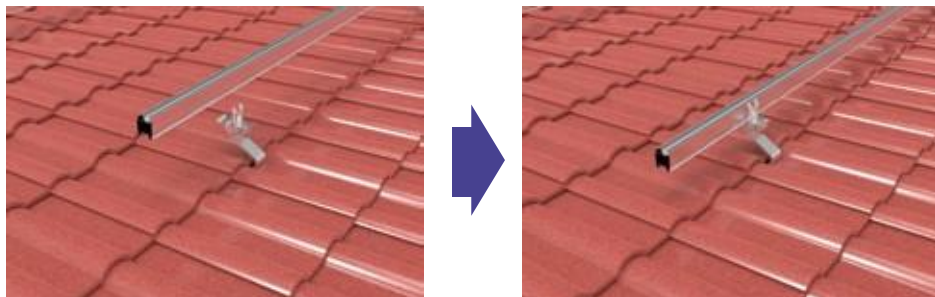
3.2.3 Vissez les vis à bois en séquence en fonction de l'espacement entre les poutres en bois pour terminer l'installation des crochets.

3.2.3 Colocar los tornillos para madera en secuencia según el espacio entre las vigas de madera para completar la instalación de los ganchos.



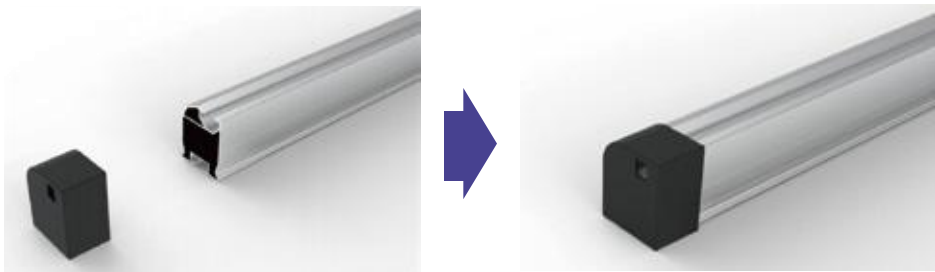
3.3 Insérez le rail R095 dans la rainure du siège du rail, ajustez la position en hauteur, verrouillez les blocs de fixation aux deux extrémités et verrouillez le rail.

3.3 Insertar el perfil R095 en la ranura del asiento del perfil, ajustar la posición de altura, bloquear los presores de fijación en ambos extremos, y bloquear el perfil.



3.4 Installer le capuchon de garde-corps.

3.4 Instalar tapa de perfil.

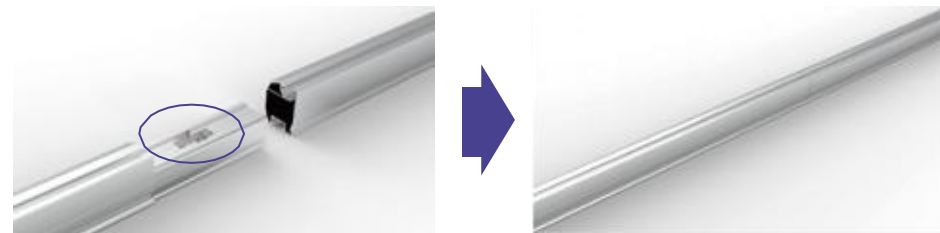


Si la longueur n'est pas suffisante, utilisez une épissure de rail pour connecter.

Si la longitud no es suficiente, utilice unión de perfil para conectar.

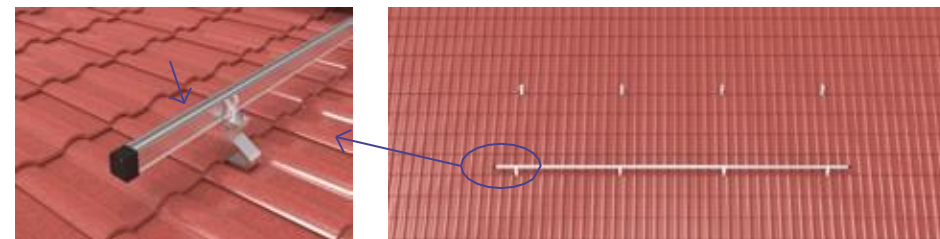
Remarque: Connectez et fixez via le bloc sur le connecteur et la fente de la piste

Nota: Conectar y fijar a través del presor en el conector y la ranura de la pista.



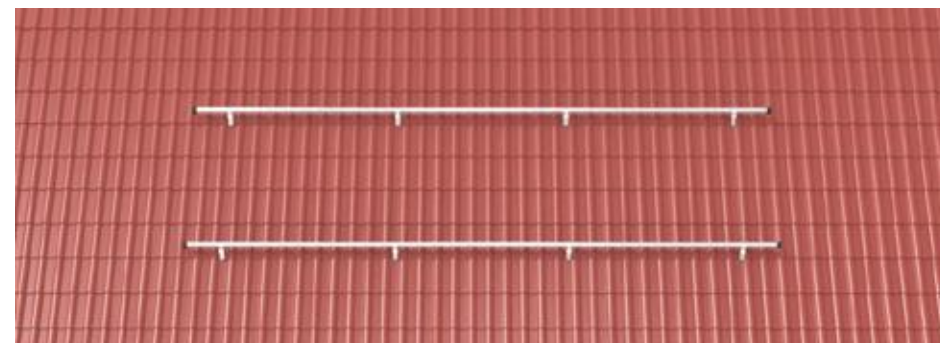
3.5 Faites glisser le connecteur de rail dans le rail et verrouillez-le avec l'éclat sur le connecteur de rail afin qu'il ne puisse pas être facilement retiré.

3.5 Deslizar la unión de perfil dentro del perfil y bloquearlo con la metralla en la unión de perfil para que no se pueda sacar fácilmente.



Installation de la balustrade terminée

Instalación de perfil terminado



3.6 Installation de panneaux solaires.

3.6 Instalación de panel solar.

3.6.1 Installation de la pince d'extrémité (CM-0163) sur le côté du panneau.

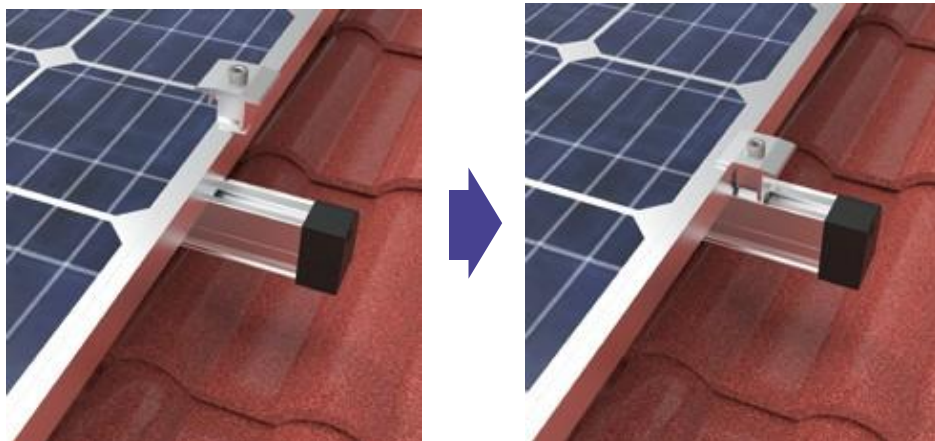
3.6.1 Instalación de presor central (CM-0163) en el lateral del panel.

Step1: Appuyez directement sur la pince d'extrémité dans la balustrade.

Paso1: Presionar directamente el presor final en el perfil.

Step2: Serrage du boulon de la pince centrale.

Paso2: Apretar el perno de abrazadera final.



3.6.2 Installation de la pince intermédiaire (CM-0163) entre les panneaux.

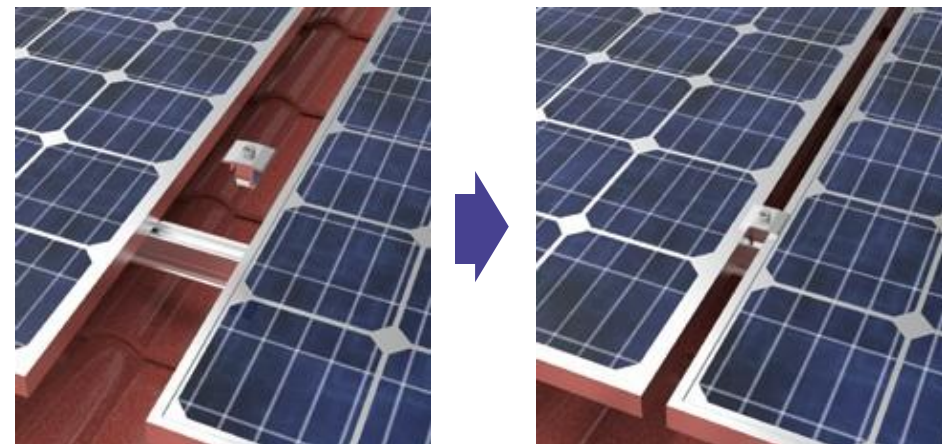
3.6.2 Instalación de presor final (CM-0163) entre paneles.

Step1: Appuyez directement sur la pince d'extrémité dans la balustrade et placez le 2e panneau.

Paso1: Presionar directamente la abrazadera central en el perfil y colocar el segundo panel.

Step2: Serrage du boulon de la pince centrale.

Paso2: Apretar el perno de presor central.



3.6.3 Répétez les étapes ci-dessus pour terminer l'installation de la pince.

3.6.3 Repitar los pasos anteriores para completar la instalación de presores.

Complété

Terminado





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