

UNIFIX

1200 EGF



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|-----------|--|---------|
| FR | Le support multi panneaux | p.2-18 |
| EN | Multi solar panels mounting bracket | p.19-35 |
| ES | El soporte para paneles solares múltiples | p.36-52 |
| IT | Il supporto multi pannello | p.53-69 |

Cher client, nous vous remercions pour votre achat de l'un de nos produits Uniteck. Veuillez lire avec attention toutes les instructions avant d'utiliser le produit.

DESCRIPTION

Le support Unifix 1200 EGF a été conçu spécialement pour fixer vos panneaux photovoltaïques Unisun ou équivalents (cf partie panneaux compatibles).

Simple à installer, Unifix 1200 EGF s'utilise sur une surface plane rigide à l'horizontale (ex : pelouse, sable, sol béton, ossature bois).

Il peut être soit :

- Fixé à un sol de type béton grâce à 8 goujons M8 (non fournis).
- Lesté en utilisant la caisse de lestage pour UNIFIX 1200 EGF (option).
- Lesté en utilisant le support pour dalles béton (option).

Grâce à sa structure en acier galvanisé et sa visserie adaptée résistant à la corrosion, il est parfaitement adapté pour un usage en extérieur.

Doté du système d'inclinaison multi-positions, le support Unifix vous permet d'optimiser vos performances en fonction de l'orientation choisie :

- Seul : l'angle de réglage est de 10 à 60 degrés.
- Avec option boîte de lestage : l'angle de réglage est de 30 à 60 degrés.
- Avec le support dalle béton : l'angle de réglage est de 20 à 60 degrés.

Grâce à sa conception innovante, le support UNIFIX 1200 EGF peut être utilisé pour réaliser une installation multi-panneaux.

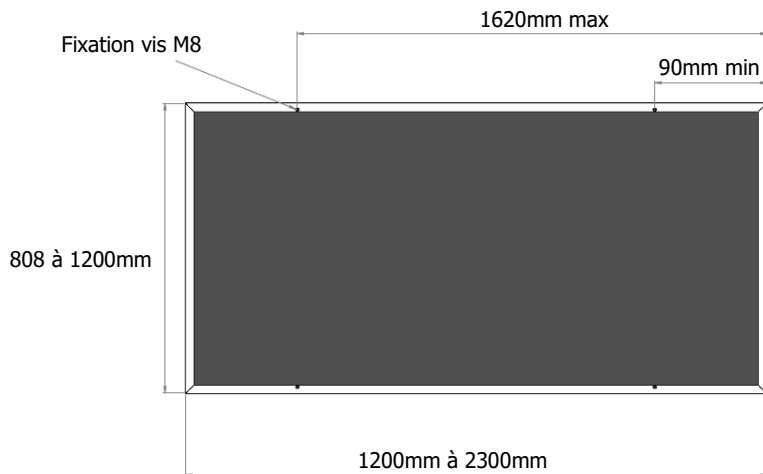


PANNEAUX COMPATIBLES

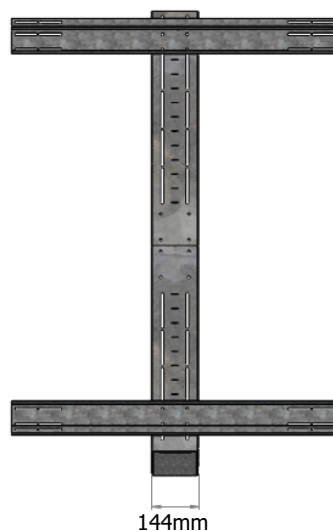
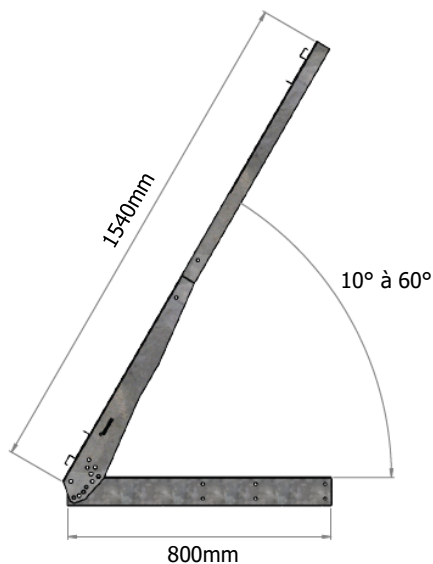
Grâce à son design basé sur l'utilisation de perçage oblong, Unifix s'adapte à différents panneaux du marché avec fixation par vis M8.

UNIFIX 1200 EGF accepte des panneaux de dimensions :

- Largeur de 808 à 1200 mm.
- Longueur de 1200 à 2300 mm.



DIMENSIONS



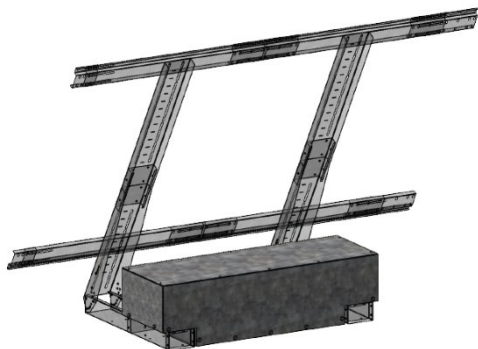
LESTAGE PAR CAISSE A REMPLIR OU AVEC DALLE BETON (OPTION)

Le lestage doit être adapté à l'environnement d'utilisation (pays, zone de vent, ...) et de l'inclinaison. UNITECK ne pourra être tenu responsable d'un lestage non adapté.

La caisse de lestage UNITECK est prévue pour le support UNIFIX 1200 EGF et pour le lestage de 2 panneaux de largeur maximale de 1134mm.

Elle possède une capacité de 130 litres soit $0,13 \text{ m}^3$. La caisse de lestage est prévue pour contenir du sable sec de densité 1800 Kg/ m^3 soit un total de 240 Kg.

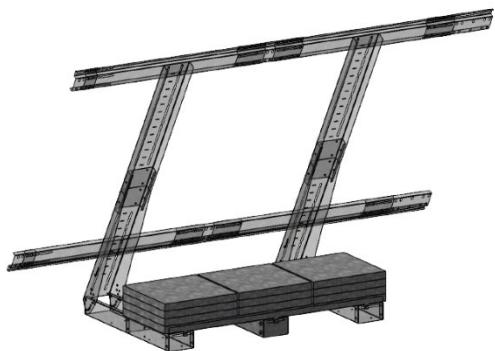
L'angle d'inclinaison du panneau est de 30 à 60°.



Le support Dalle Béton UNITECK est prévu pour le support UNIFIX 1200 EGF et pour le lestage de 2 panneaux de largeur maximale de 1180mm.

Le support dalle béton UNITECK peut supporter jusqu'à 24 dalles standards (40cm x 40cm) d'un poids de 12,5Kg soit un poids total de lestage de 300 Kg.

L'angle d'inclinaison peut varier de 20 à 60 degrés selon le nombre de dalles utilisées.

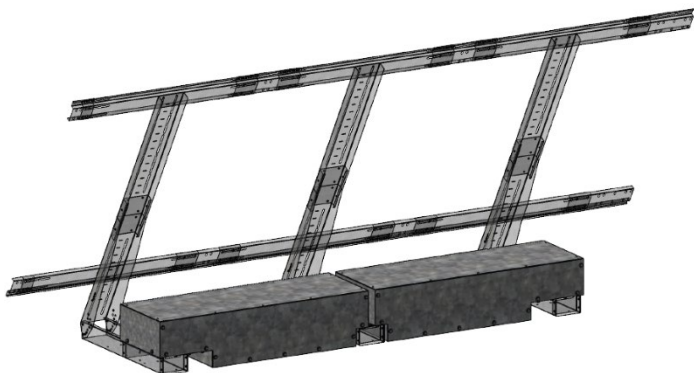


La caisse de lestage impaire

UNITECK est prévue pour le support UNIFIX 1200 EGF et pour le lestage de 3 panneaux de largeur maximale de 1200mm.

Elle possède une capacité de 200 litres soit $0,2 \text{ m}^3$. La caisse de lestage est prévue pour contenir du sable sec de densité 1800 Kg/ m^3 soit un total de 360 Kg.

L'angle d'inclinaison du panneau est de 30 à 60°.



RECOMMANDATIONS

- Montez le support Unifix uniquement sur des surfaces présentant une portance suffisante. Tenez compte de la charge supplémentaire avec panneau :

Support	Panneau
UNIFIX 1200 EGF = 23 kg	2 x Unisun 300.12M = 2 x 15.5 kg

- Pour éviter que de grandes quantités de neige ne s'accumulent derrière le capteur, installez en amont des grilles d'arrêt appropriées.
- La disposition des capteurs influence vos performances électriques. Choisissez l'inclinaison et l'orientation la plus optimale en fonction de votre environnement. Évitez les zones d'ombre ou que certains objets ne soient source d'ombre (ex. arbre).

CONSIGNES DE SÉCURITÉ

- Prenez les mesures appropriées pour prévenir les accidents pendant vos travaux de montage.
- Si le support et le matériel de montage sont exposés aux rayons du soleil pendant une longue période, il y a un risque de brûlure. Protégez-vous.
- À la fin des travaux, vérifiez que vos supports et panneaux soient bien fixés.



Certains éléments peuvent présenter des rebords coupants. Afin d'éviter tout risque de blessure, veuillez vous munir d'une paire de gants adaptés lors des opérations de manipulation et de montage.



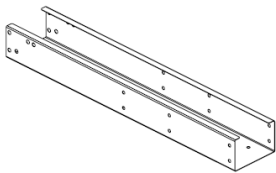
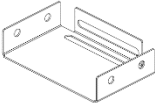
MONTAGE SUPPORT UNIFIX 1200 EGF

Couple de serrage préconisé

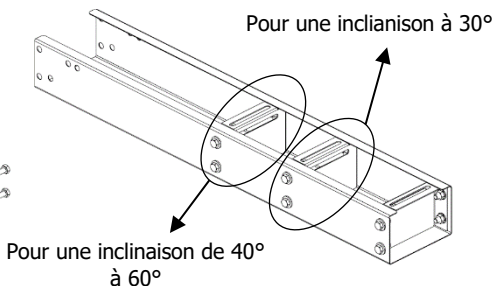
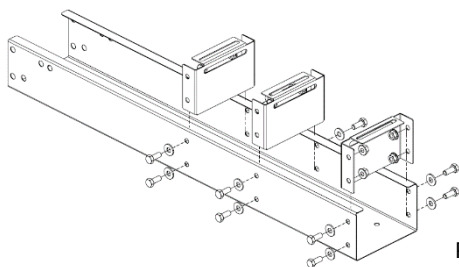
Nb. Coefficient de frottement moyen $\mu=0,20$ / Serrage à 50% de la limite élastique.

Vis	Couple
M 8	21,50 Nm
M 10	44,00 Nm

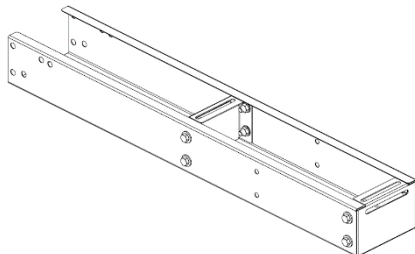
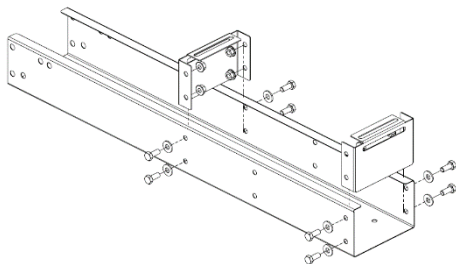
- Réalisez le montage des pieds.

				
N°169 X2	N°181 X4	M8x20 X16	D8 X16	M8 X16

Pour utilisation avec caisse de lestage

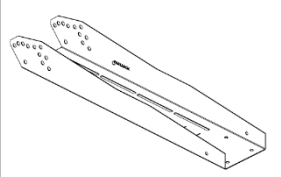
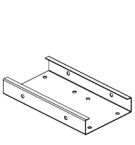
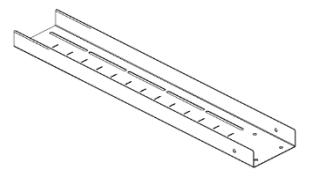
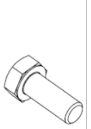
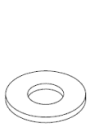


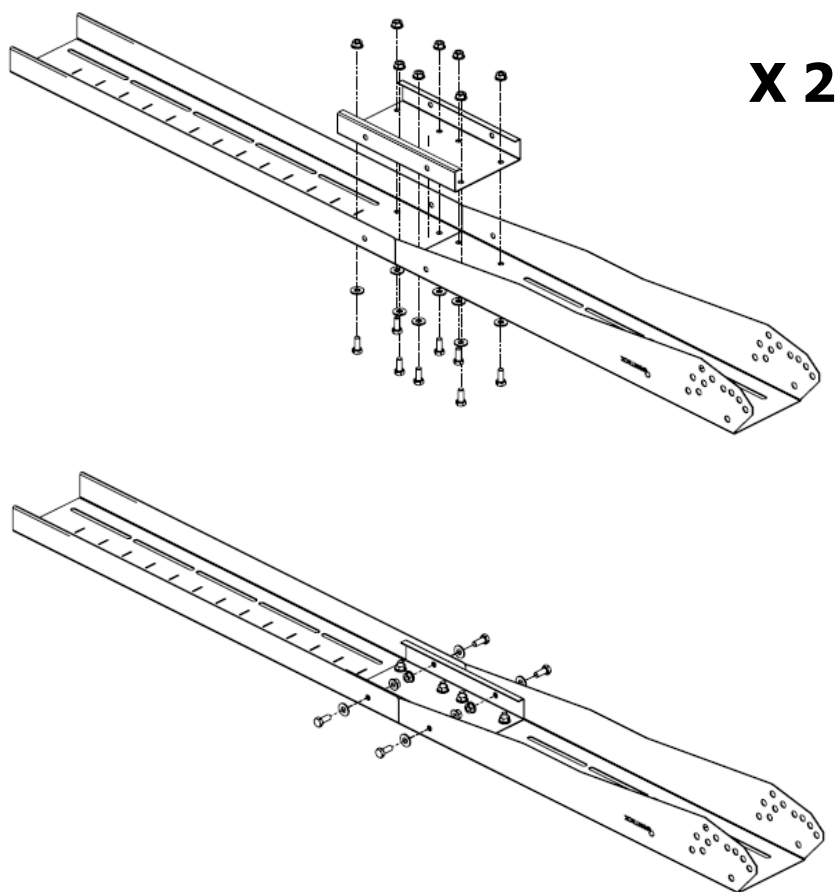
Pour utilisation autre



MONTAGE SUPPORT UNIFIX 1200 EGF (SUITE)

- Réalisez le montage des bras.

					
N°274 X2	N°275 X2	N°276 X2	M8x20 X24	D8 X24	M8 X24

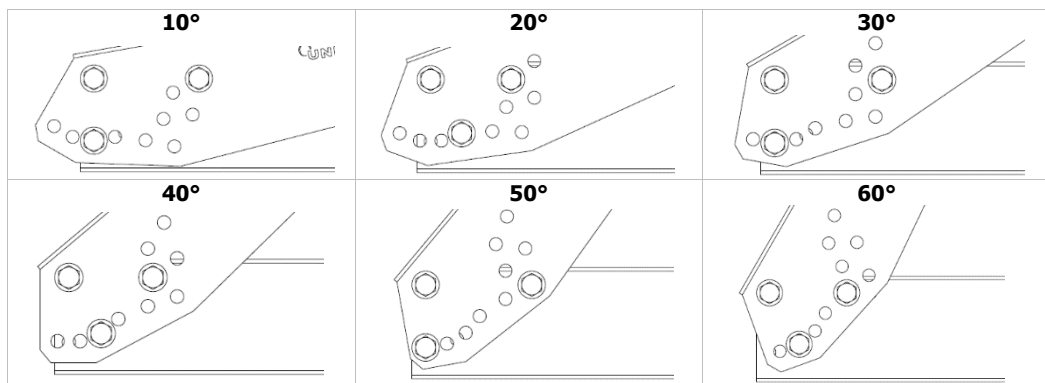


MONTAGE SUPPORT UNIFIX 1200 EGF (SUITE)

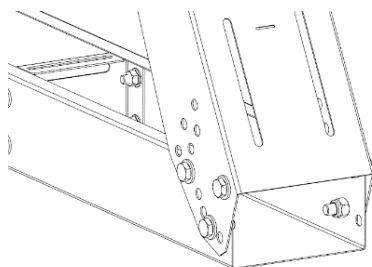
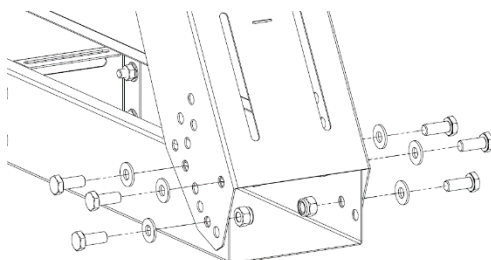
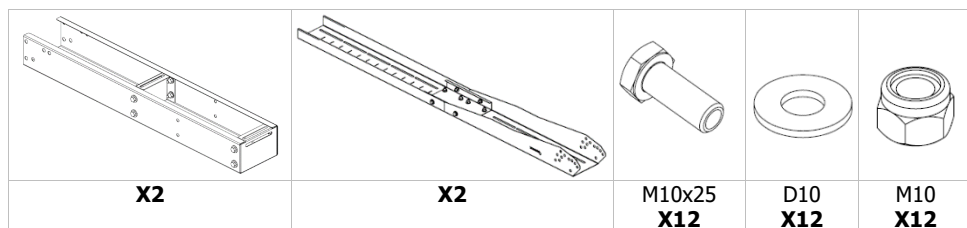
- UNIFIX dispose d'un système d'inclinaison multi-positions. Définissez l'inclinaison souhaitée en fonction de l'orientation choisie.

Performance électrique en fonction de l'inclinaison et de l'orientation panneau

	0° 	30° 	60° 	90° 
Est	93%	90%	78%	55%
Sud-Est	93%	96%	88%	66%
Sud	93%	100%	91%	68%
Sud-Ouest	93%	96%	88%	66%
Ouest	93%	90%	78%	55%

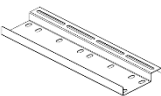
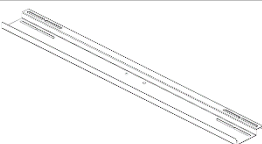
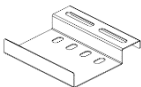


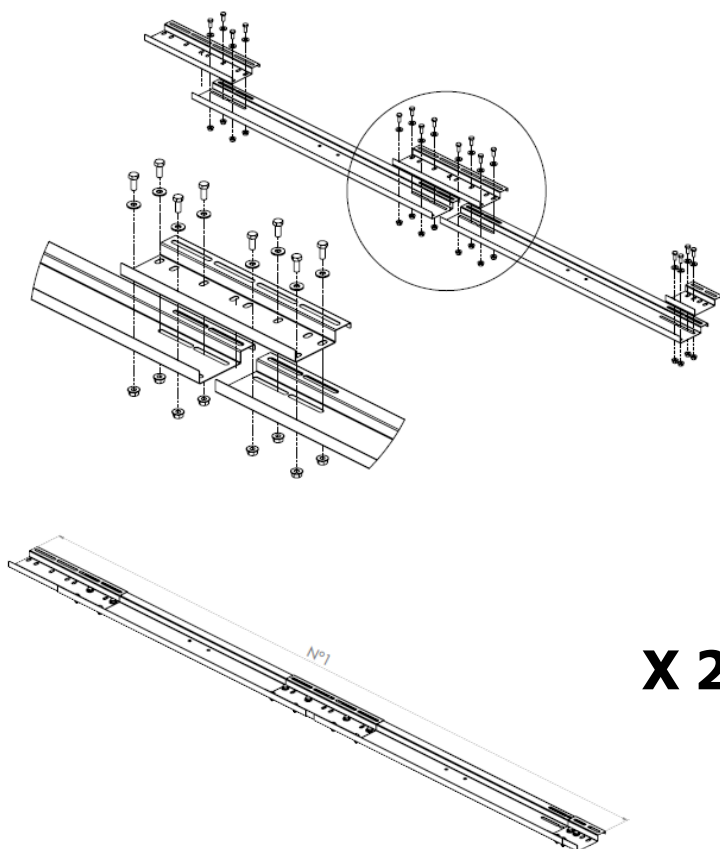
- Fixez les bras avec le pied assemblé précédemment.



MONTAGE SUPPORT UNIFIX 1200 EGF (SUITE)

- Prenez les pièces N°170, 171 et 183, positionnez-les puis réalisez un pré serrage des vis. La fixation totale se fera ultérieurement. La dimension **N°1 doit être égale** à la largeur de 2 panneaux.

					
M8 X32	D8 X32	M8 X32	N°170 X4	N°171 X4	N°183 X2

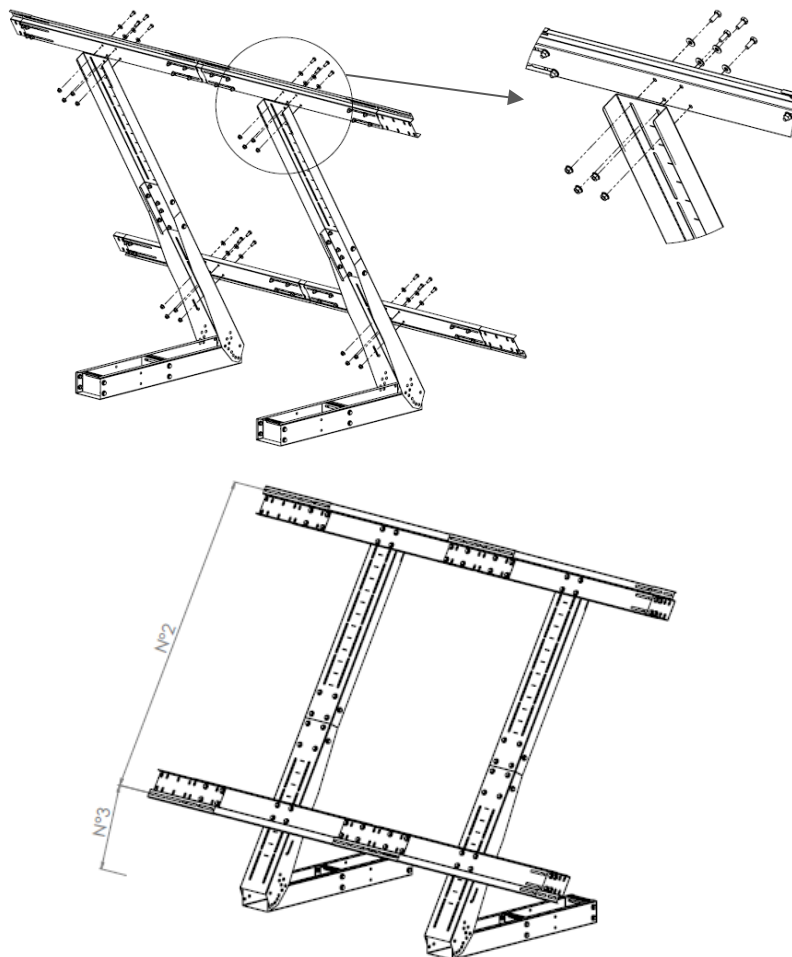


X 2

MONTAGE SUPPORT UNIFIX 1200 EGF (SUITE)

- Fixez les traverses préalablement préparées sur les pieds. Ne les serrez pas totalement.
- Le support UNIFIX 1200 EGF est adaptable sur tous types de panneaux.
Pour réaliser un préréglage, mesurez les entraxes de fixation de votre panneau afin de préréglager la distance **N°2**.
Si vous utilisez votre support UNIFIX 1200 EGF dans un pré, une pelouse, la distance **N°3** doit être adaptée pour que les herbes éventuelles ne viennent pas recouvrir le panneau solaire sur sa partie basse.

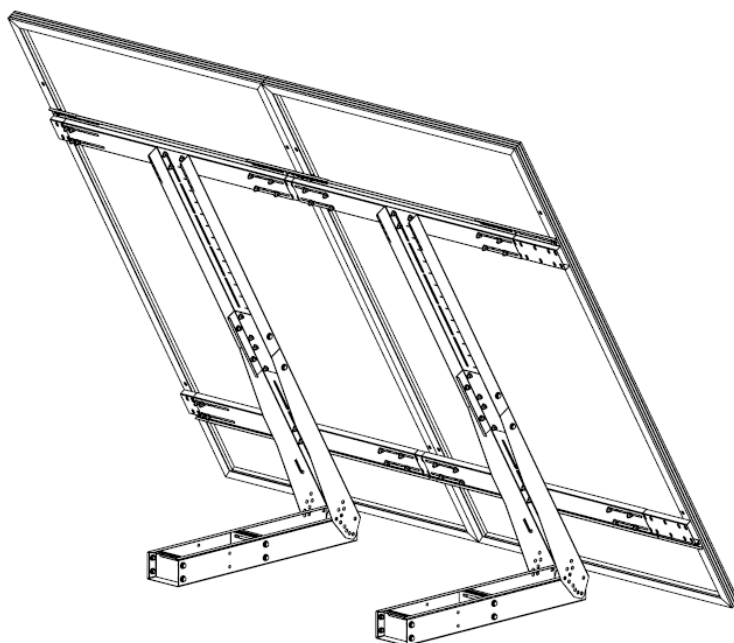
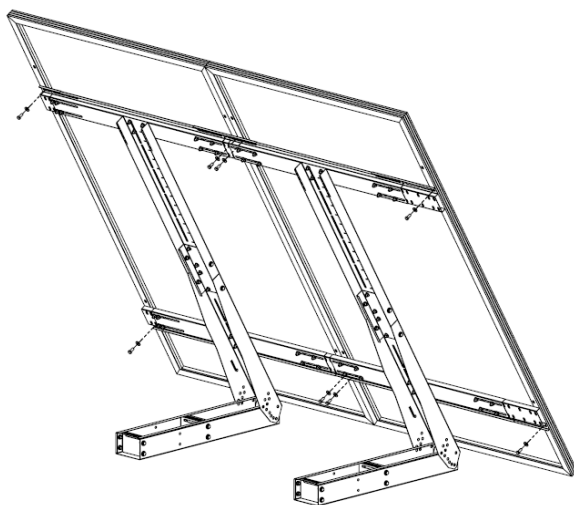
		
M8x20 X16	D8 X16	M8 X16



MONTAGE SUPPORT UNIFIX 1200 EGF (SUITE)

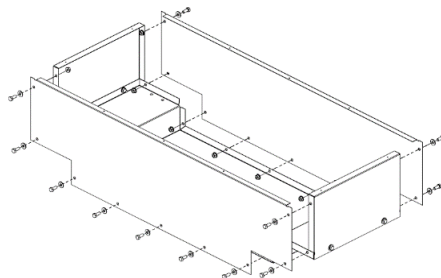
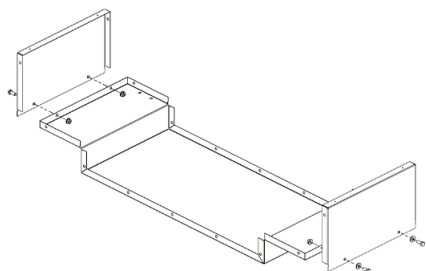
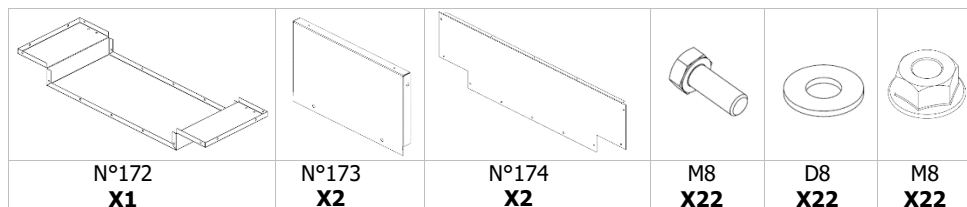
- Fixez les panneaux solaires. Si nécessaire, adaptez la longueur des cornières de fixation en fonction de la dimension de vos panneaux solaires. Puis serrez toute les vis pré serrées précédemment.

	M8x20 X8
	D8 X8
	M8 X8

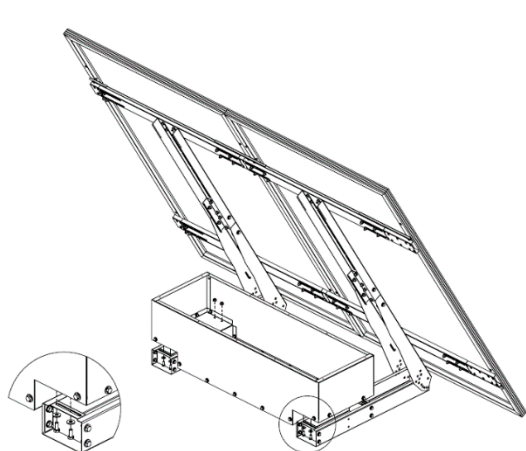
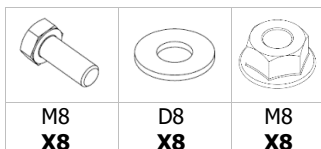


MONTAGE CAISSE DE LESTAGE (EN OPTION)

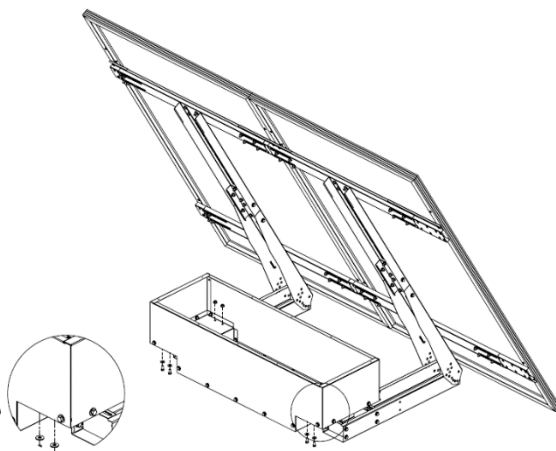
- Montez la caisse de lestage avec les vis fournies. Réalisez un pré serrage pour l'assemblage et réalisez le serrage complet quand la caisse est totalement assemblée.



- En fonction de votre angle d'inclinaison, positionnez la caisse de lestage sur les pieds du support UNIFIX 1200 EGF et fixez-la. Puis serrez toutes les vis.



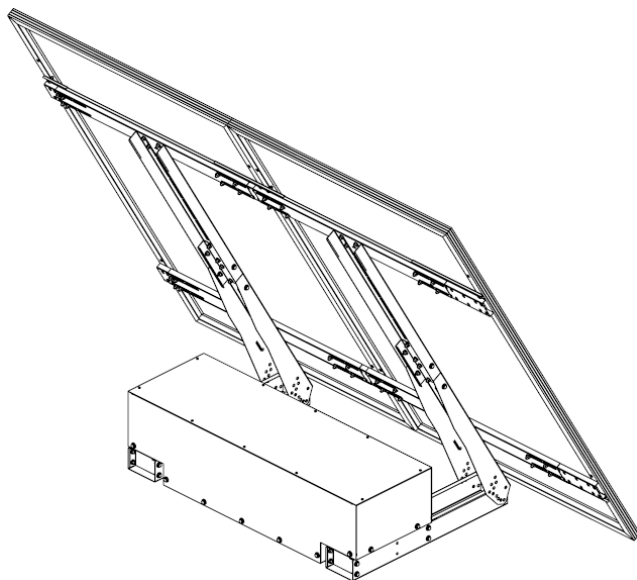
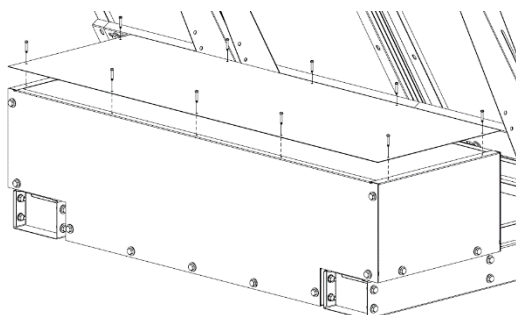
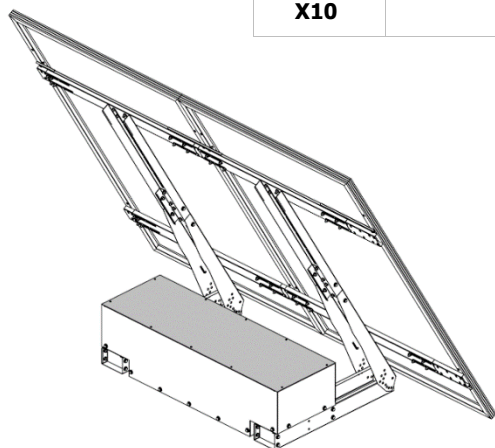
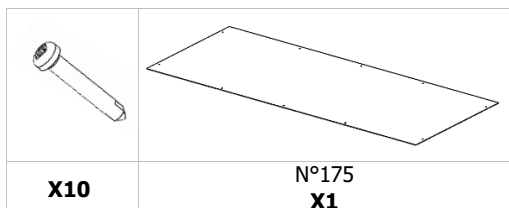
40° à 60°



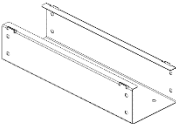
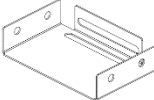
30°

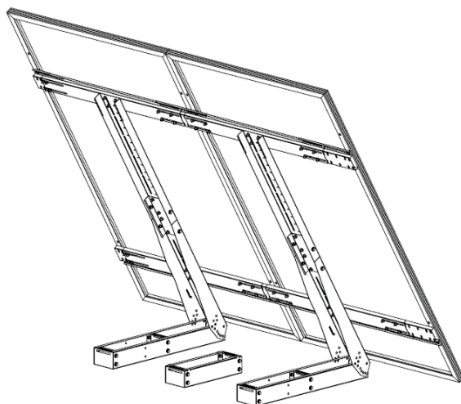
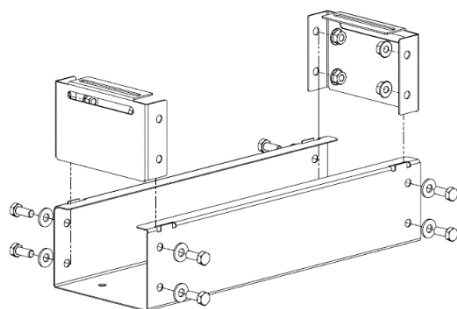
MONTAGE CAISSE DE LESTAGE (EN OPTION)

- Ajoutez le sable sec. Puis fermez la caisse en vissant le N°175.

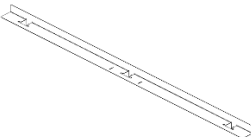


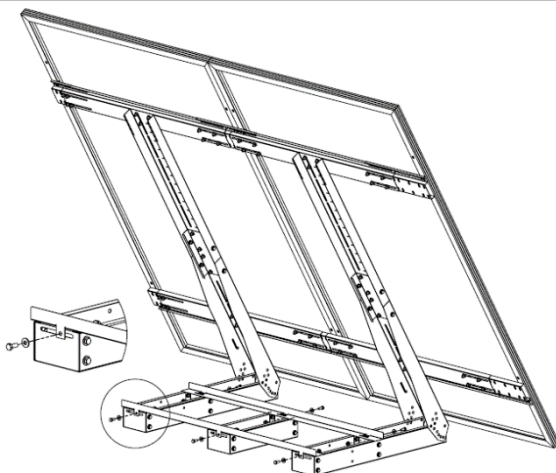
MONTAGE SUPPORT DALLE BETON (EN OPTION)

				
M8 X8	D8 X8	M8 X8	N°184 X2	N°183 X2



- Fixez les 2 cornières qui supporteront les dalles de béton 40 x 40 cm.

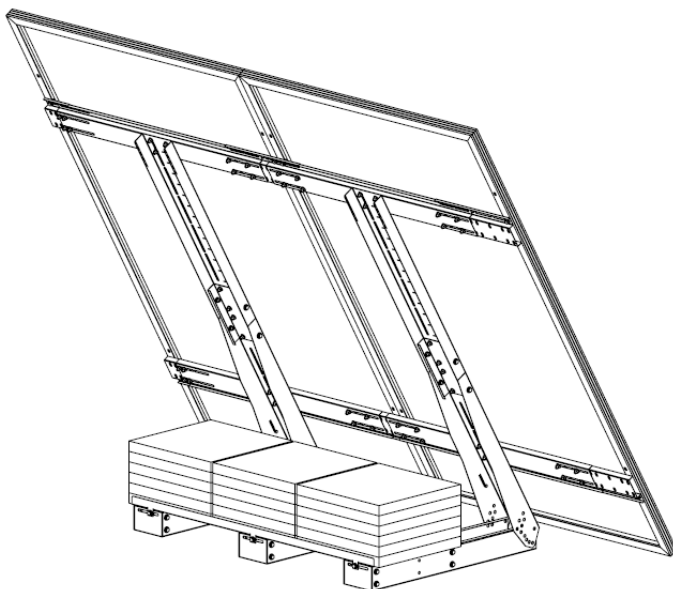
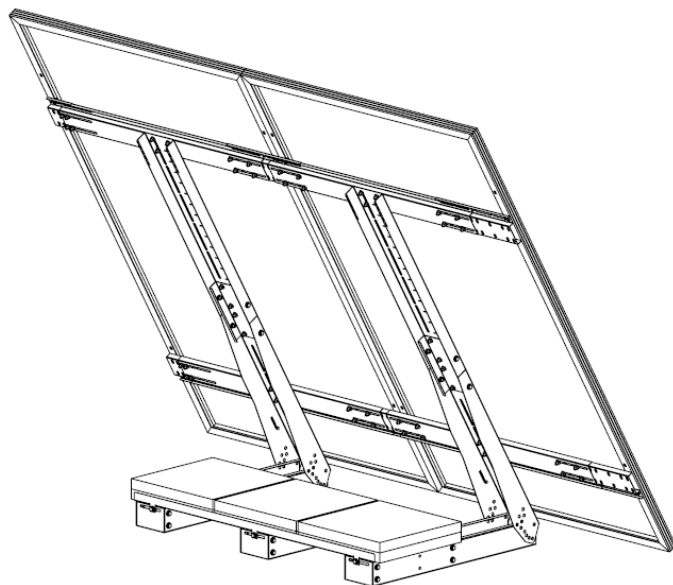
			
M8 X6	D8 X6	M8 X6	N°185 X2



MONTAGE SUPPORT DALLE BETON (EN OPTION)

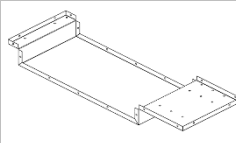
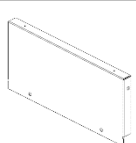
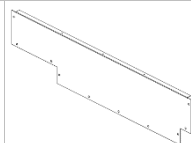
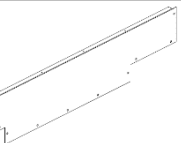
- Finalisez le lestage en ajoutant les plaques jusqu'à ce que lestage soit suffisant.

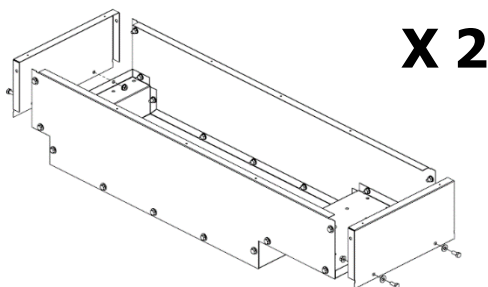
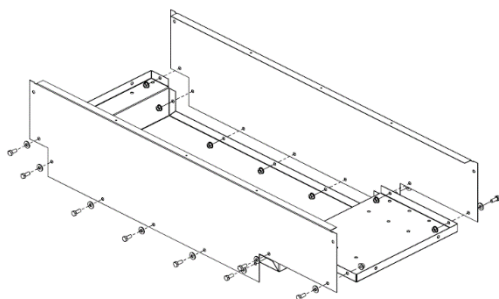
RAPPEL : Respectez la limite maximale autorisée pour les dimensions et le poids des dalles (cf. p.4)



MONTAGE CAISSE DE LESTAGE IMPAIRE (EN OPTION)

- Montez la caisse de lestage avec les vis fournies. Réalisez un pré serrage pour l'assemblage et réalisez le serrage complet quand la caisse est totalement assemblée.

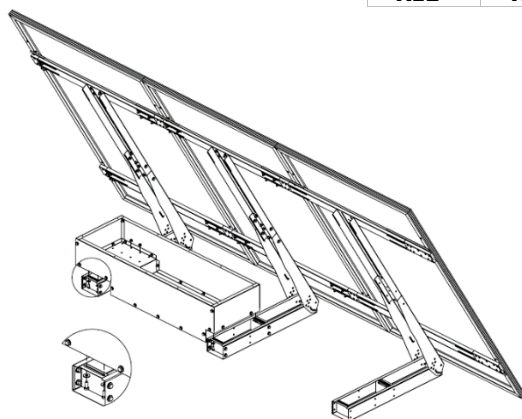
						
N°253 X2	N°246 X4	N°247 X2	N°254 X2	M8 X48	D8 X48	M8 X48



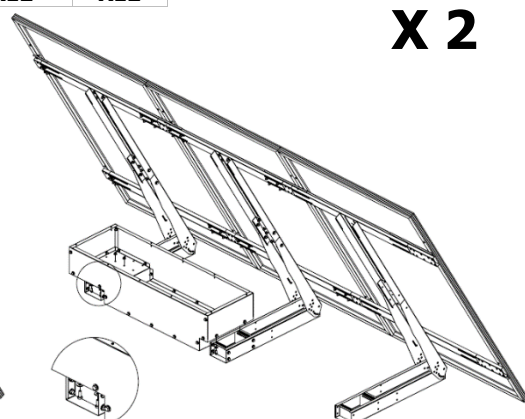
X 2

- En fonction de votre angle d'inclinaison, positionnez la caisse de lestage sur les pieds du support UNIFIX 1200 EGF et fixez-la. Ajustez l'écartement des pieds de l'EGF si nécessaire. Puis serrez toutes les vis.

		
M8 X12	D8 X12	M8 X12



40° à 60°

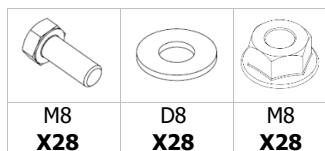


30°

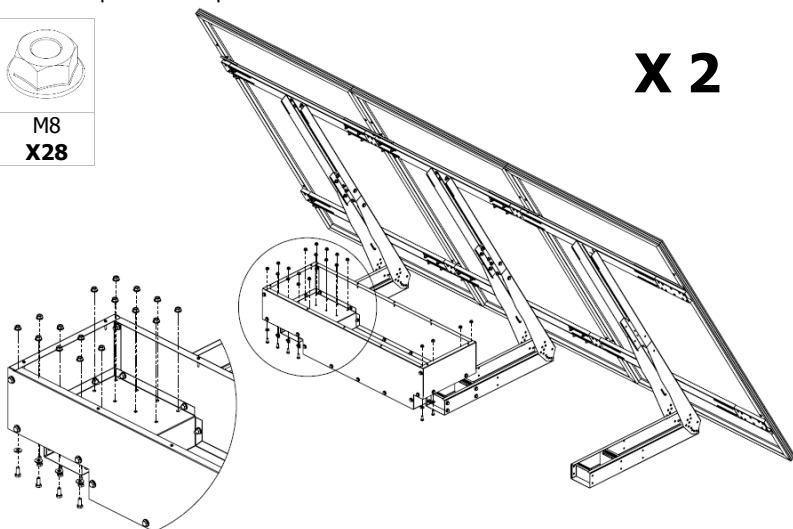
X 2

MONTAGE CAISSE DE LESTAGE IMPAIRE (EN OPTION)

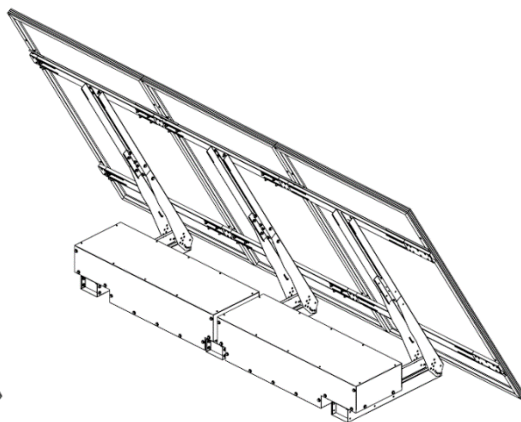
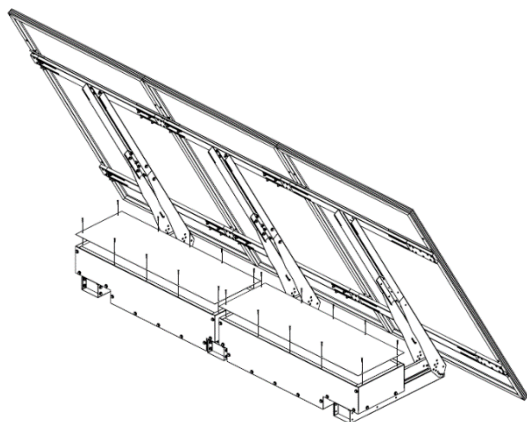
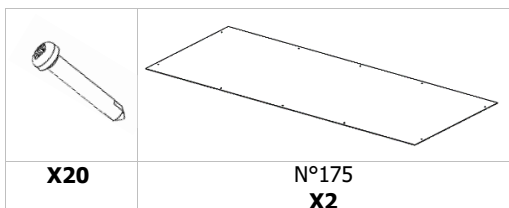
- Vissez les trous restants pour éviter que le sable ne sorte.



X 2



- Ajoutez le sable sec. Puis fermez la caisse en vissant le N°175.



GARANTIE

La garantie couvre tout défaut ou vice de fabrication pendant 2 ans, à compter de la date d'achat (pièces et main d'œuvre).

La garantie ne couvre pas :

- L'usure normale des pièces.
- Les erreurs de montage.

En cas de défauts, retournez le produit à votre distributeur, en y joignant :

- Un justificatif d'achat daté (ticket de sortie de caisse, facture...).
- Une note explicative du défaut.

Attention : notre SAV n'accepte pas les retours en port dû.

Après la garantie, notre SAV assure les réparations après acceptation d'un devis.

Contact SAV :

Uniteck - 3 Avenue de l'Europe

34310 Montady - France

France mail: sav@uniteck.fr

Dear customer, thank you for purchasing one of our Uniteck products. Please read all the instructions carefully and thoroughly before using the product.

DESCRIPTION

The UNIFIX 1200 EGF Unifix brackets have been specially designed to fix your Unisun photovoltaic panels or equivalent (see compatible panels part).

Easy to install, UNIFIX 1200 EGF can be fixed on a horizontal or flat surface (e.g. wall, concrete floor, wood frame) or can be weighted to the ground (e.g. turf).

They can be :

- Fixed on a concrete floor thanks to its 8 m8-studs (not included).
- Weighted using a ballast box for UNIFIX 1200 EGF (option).
- Weighted using the brackets for concrete slabs (option).

With their galvanized steel structure and corrosion-resistant stainless-steel screws, they are perfectly suited for outdoor use.

Equipped with a multi-position tilting system, Unifix brackets enable an optimization of your panel's performance depending on the chosen orientation :

- Only UNIFIX 1200 EGF : the adjustment angle is from 10 to 60 degrees.
- With ballast box option : the adjustment angle is from 30 to 60 degrees.
- With brackets for concrete slabs option : the adjustment angle is from 20 to 60 degrees.

Thanks to its innovative design, UNIFIX 1200 EGF brackets can be used to create a multi solar panels installation.

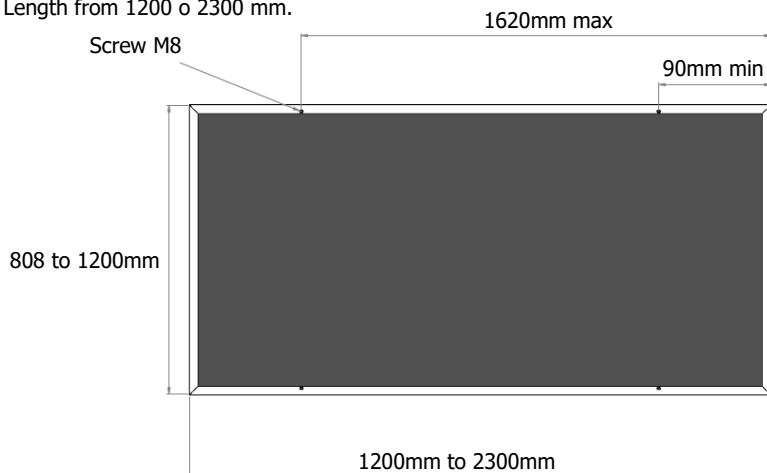


COMPATIBLE PANELS

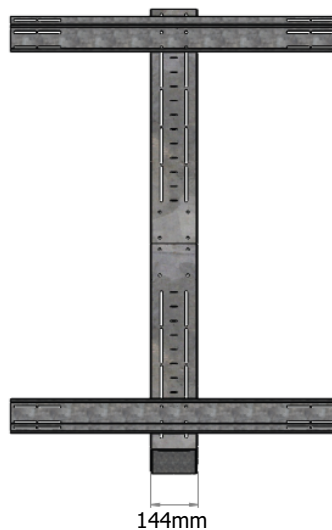
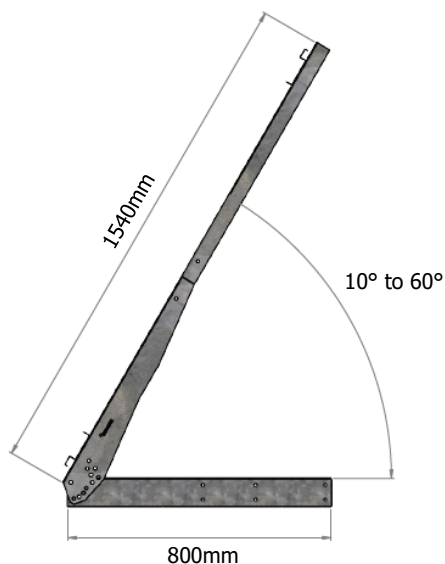
With the design based on the use of Oblong drilling, Unifix allows the fixing of different panels of the market.

UNIFIX 1200 EGF accepts 1, 2 or 3 panels depending on the models, with the spacing and dimensions of panels indicated below :

- Width from 808 to 1200 mm
- Length from 1200 to 2300 mm.



DIMENSIONS



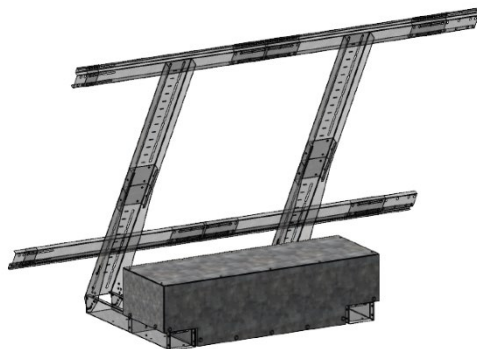
BALLASTING WITH A BOX TO FILL OR WITH CONCRETE SLABS (OPTION)

The ballasting must be adapted to its environment of use (country, windy area,...) and its inclination. UNITECK cannot be responsible in case of an improper use.

The UNITECK ballast box is designed for the UNIFIX 1200 EGF bracket and for ballasting 2 panels with a maximum width of 1134mm.

It has a capacity of 130 liters or $0,13 \text{ m}^3$. The ballast box is designed to contain dry sand with a density of 1800 Kg/ m^3 or 240 Kg.

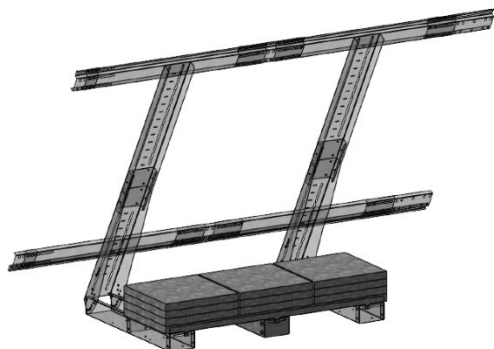
The panel tilt angle is 30° to 60° .



The UNITECK concrete slab support is designed for the UNIFIX 1200 EGF and for ballasting 2 panels with a maximum width of 1180mm.

It can support up to 24 standard slabs ($40\text{cm} \times 40\text{cm}$) weighing $12,5\text{Kg}$ each, for a total ballast weight of 300 Kg.

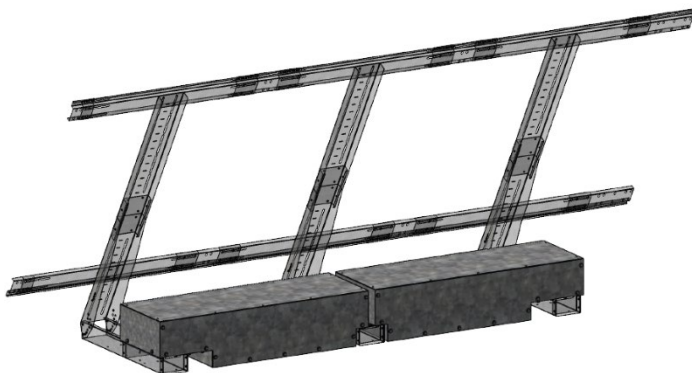
Tilt angle can vary from 20 to 60 degrees depending on the number of tiles used.



The UNITECK odd ballast box is designed for the UNIFIX 1200 EGF bracket and for ballasting 3 panels with a maximum width of 1200mm.

It has a capacity of 200 liters or $0,2\text{m}^3$. The ballast box is designed to contain dry sand with a density of 1800 Kg/m^3 , for a total of 360 Kg.

The tilt angle of the panel is 30° to 60° .



RECOMMENDATIONS

- Mount Unifix brackets only on surfaces with a sufficient load carrying capacity.
- Take into account the additionnal weight with panel.

Brackets	Panel
UNIFIX 1200 EGF = 23 kg	2 x Unisun 300.12M = 2 x 15.5 kg

- Fastening : to prevent the accumulation of large quantities of snow behind the sensor, install appropriate barrier grids.
- The position of the solar panel influences your electrical production. Choose the most optimal inclination and orientation to suit your environment. Avoid shaded areas or objects that can be a source of shadow (eg tree).

SAFETY INSTRUCTIONS

- Take the appropriate measures to prevent accidents during your mounting steps.
- If the brackets and the mounting tools are exposed to sunlight for a long period, there is a risk of getting burnt. Make sure to protect yourself accordingly.
- When finished, check and make sure that all of your brackets and panels are fixed properly.



Some parts may be sharp. In order to avoid any injury, please wear an adapted pair of gloves while handling and assembly operations.



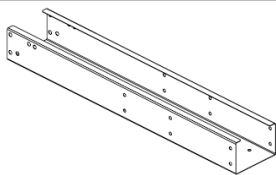
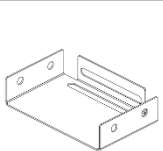
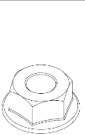
UNIFIX 1200 EGF MOUNTING (CONTINUATION)

Recommended tightening torque

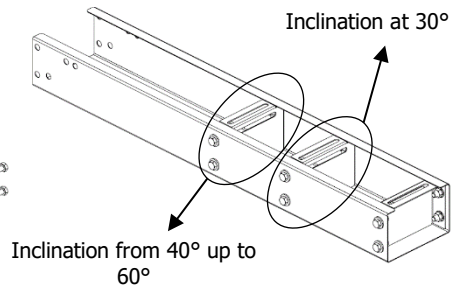
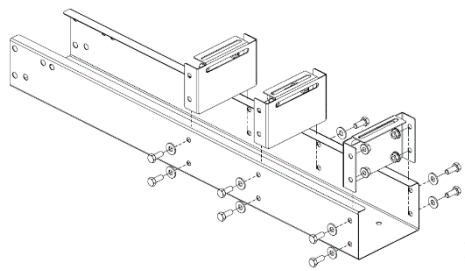
Nb. Mean coefficient of friction $\mu=0.20$ / Clamping at 50% of yield point

Screw	Torque
M 8	21,50 Nm
M 10	44,00 Nm

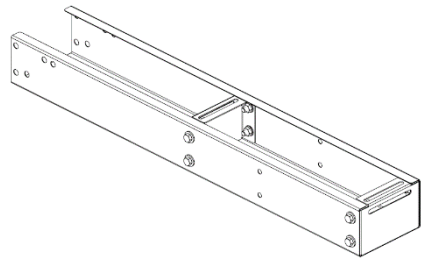
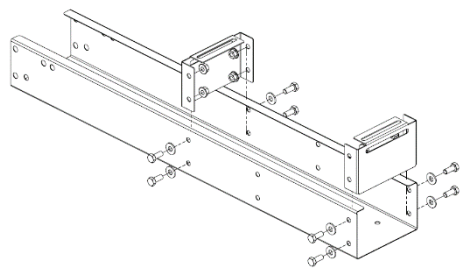
- Assemble the feet.

				
N°169 X2	N°181 X4	M8x20 X16	D8 X16	M8 X16

For a use with a ballast box

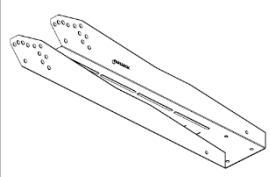
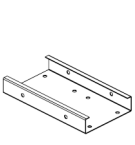
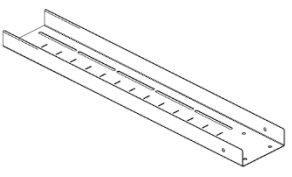


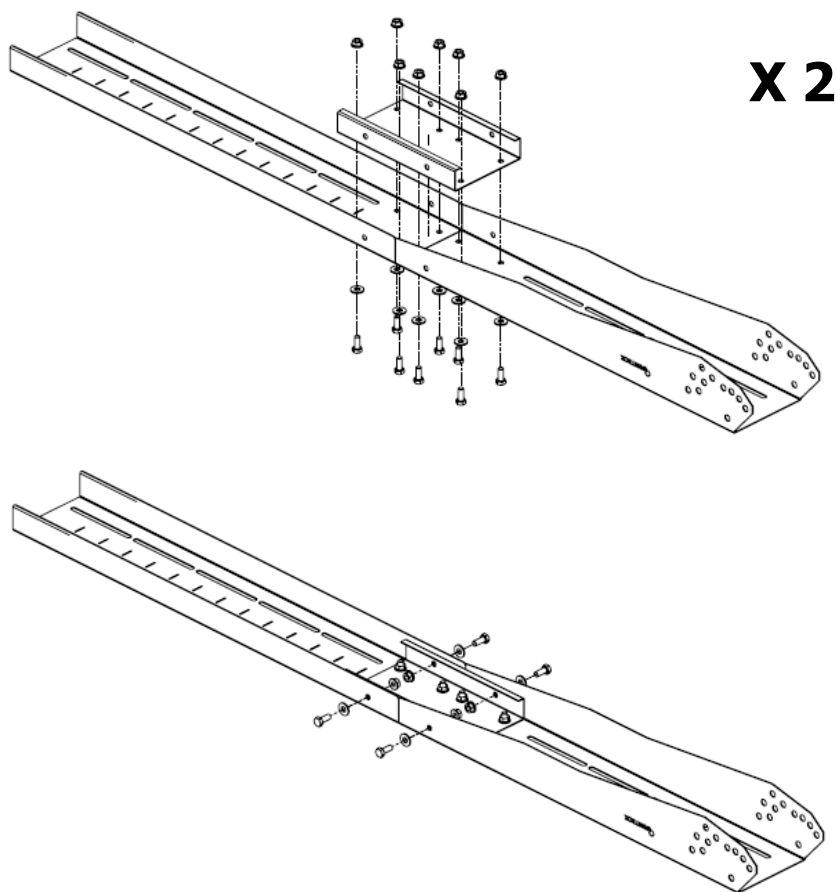
Other use



UNIFIX 1200 EGF MOUNTING (CONTINUATION)

- Assemble the arms.

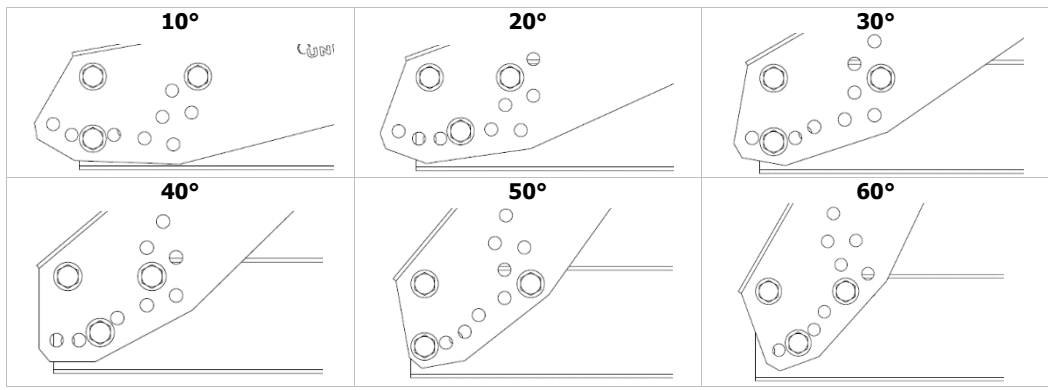
					
N°274 X2	N°275 X2	N°276 X2	M8x20 X24	D8 X24	M8 X24



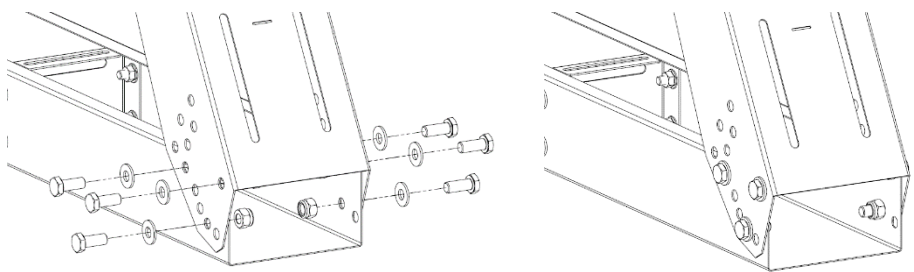
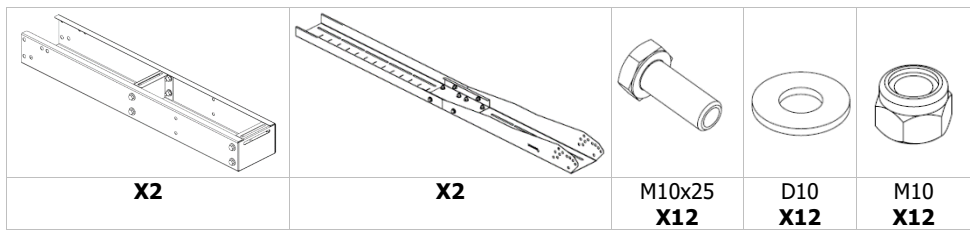
UNIFIX 1200 EGF MOUNTING (CONTINUATION)

- Equipped with a multi-position tilting system, Unifix brackets allow for an optimization of your panel's performance depending on the chosen orientation.

Electrical performance as a function of inclination and panel orientation				
	0° 	30° 	60° 	90° 
East	93%	90%	78%	55%
South-East	93%	96%	88%	66%
South	93%	100%	91%	68%
South West	93%	96%	88%	66%
West	93%	90%	78%	55%

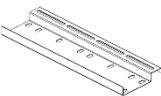
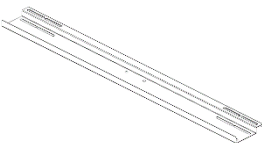
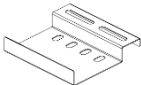


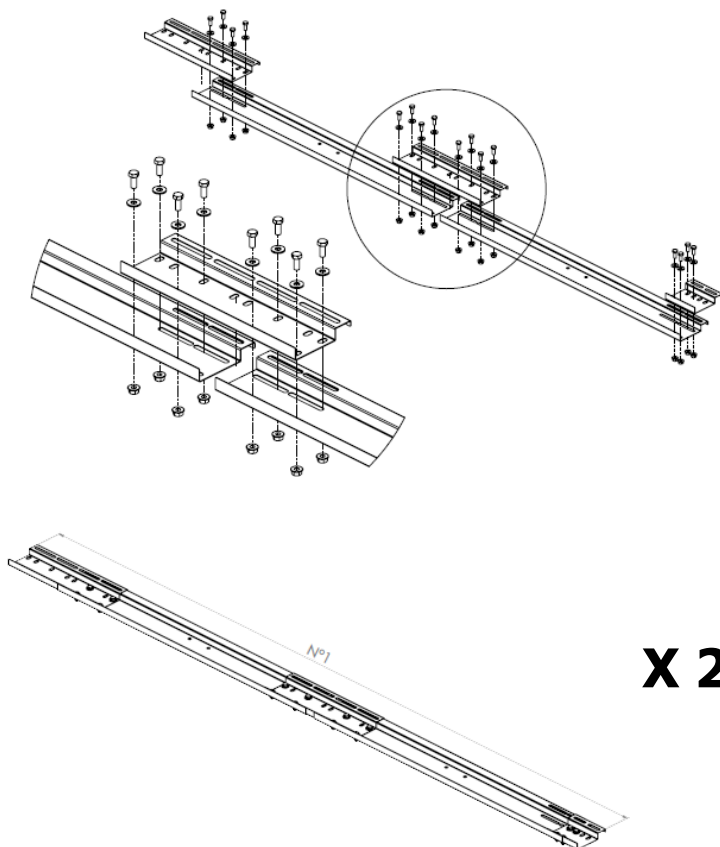
- Attach the arms to the previously assembled foot.



UNIFIX 1200 EGF MOUNTING (CONTINUATION)

- Take part N°170, 171 and 183, and position them. Pre-tighten the screws. Final tightening will be done later. Dimension n°1 **should be equal** to the width of two panels.

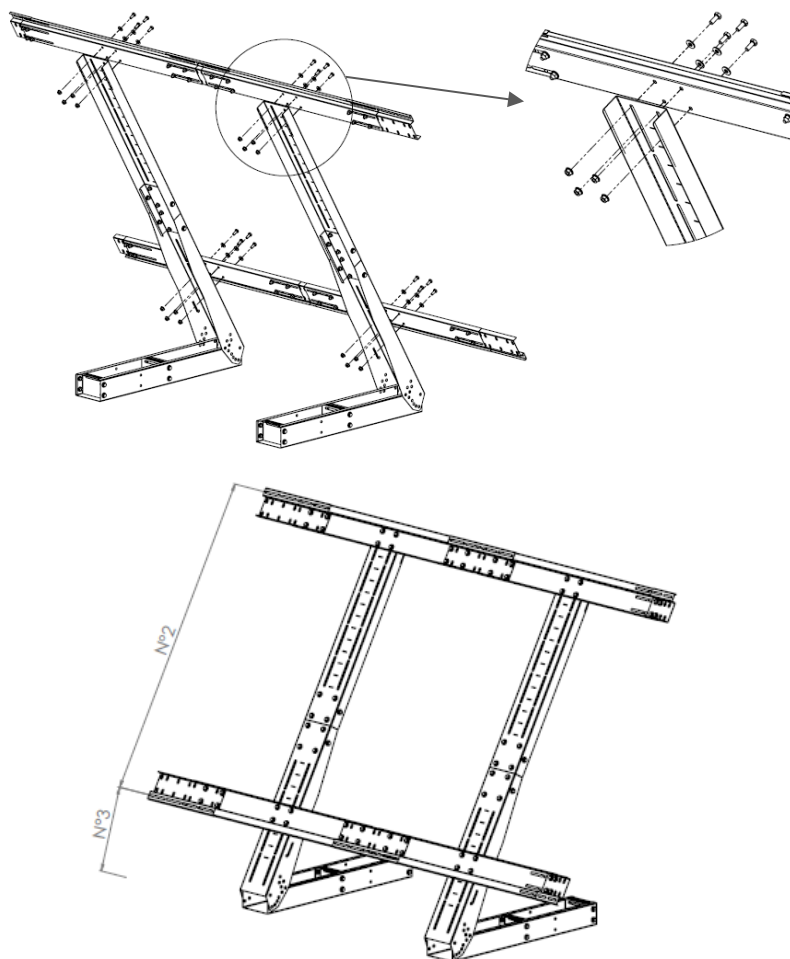
					
M8 X32	D8 X32	M8 X32	N°170 X4	N°171 X4	N°183 X2



UNIFIX 1200 EGF MOUNTING (CONTINUATION)

- Attach the previously assembled crossbars to the feet. Do not tighten them completely.
- UNIFIX 1200 EGF is adaptable to all types of panels.
To pre-adjust, measure the center distances of your panel's mounting points to pre-set distance **N°2**.
If you are using your UNIFIX 1200 EGF bracket in a meadow or lawn, distance **N°3** must be adjusted so that any vegetation does not cover the lower part of the solar panel.

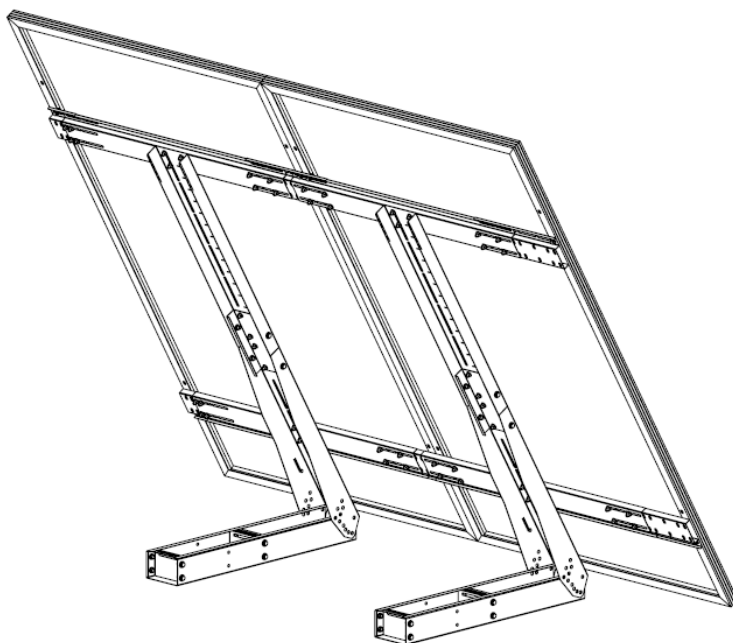
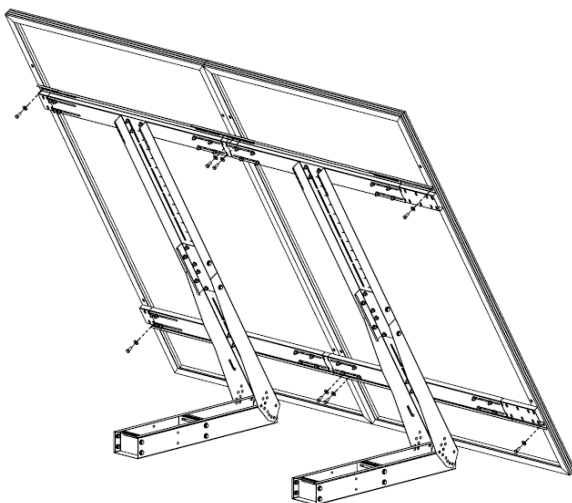
		
M8x20 X16	D8 X16	M8 X16



UNIFIX 1200 EGF MOUNTING (CONTINUATION)

- Fix the solar panels. If necessary, adapt the angle iron according to the solar panels size.

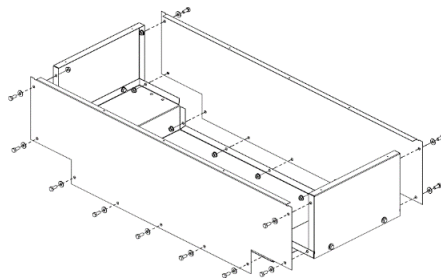
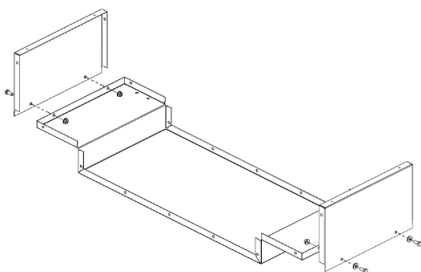
	M8x20 X8
	D8 X8
	M8 X8



BALLAST BOX MOUNTING (OPTION)

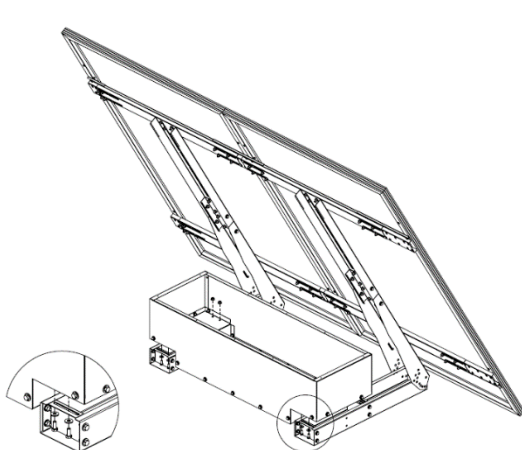
- Mount the ballast box with the provided screws. Pre-tighten them for assembly. The final tightening will be done at the end of the assembly.

N°172 X1	N°173 X2	N°174 X2	M8 X22	D8 X22	M8 X22

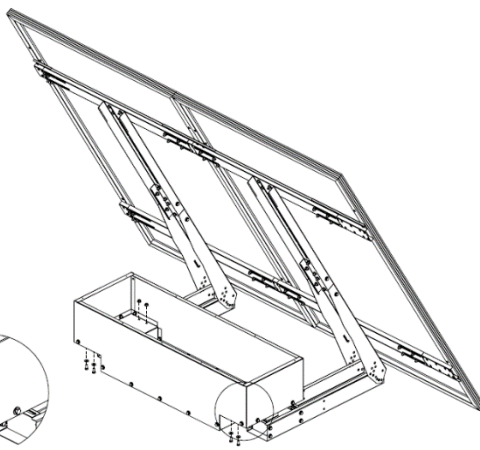


- Position the ballast box on UNIFIX 1200 EGF brackets legs, and fasten it. Then tighten all the screws.

M8 X8	D8 X8	M8 X8



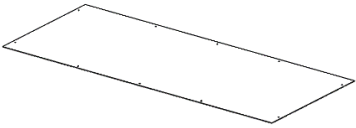
40° to 60°

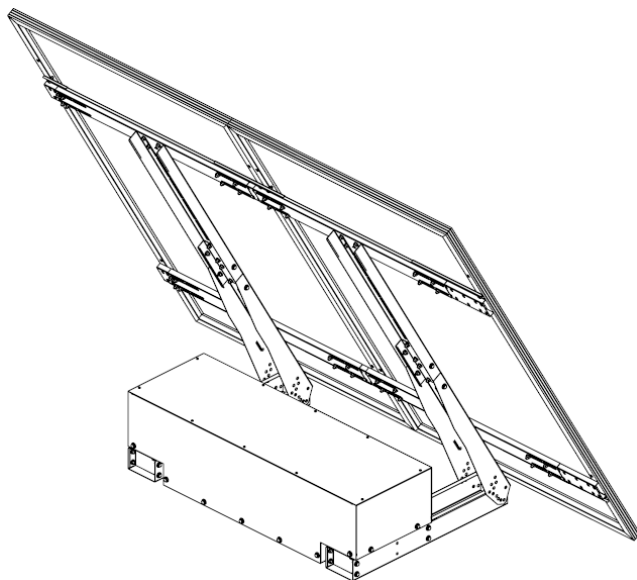
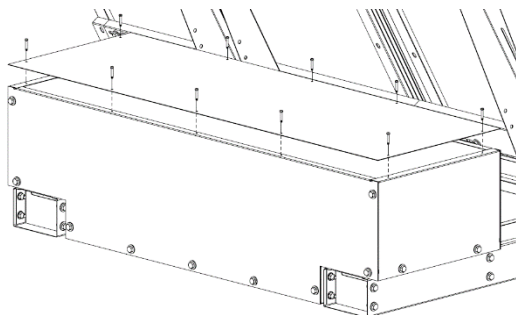
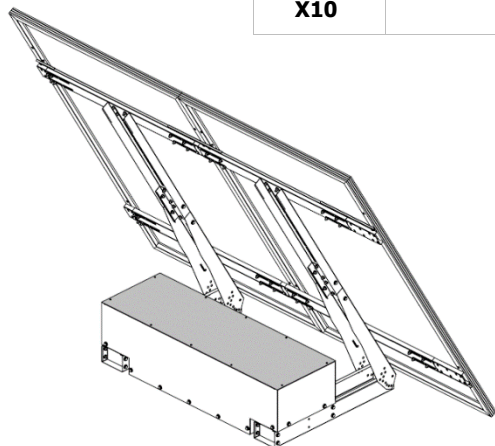


30°

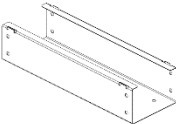
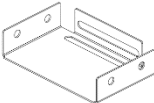
BALLAST BOX MOUNTING (OPTION)

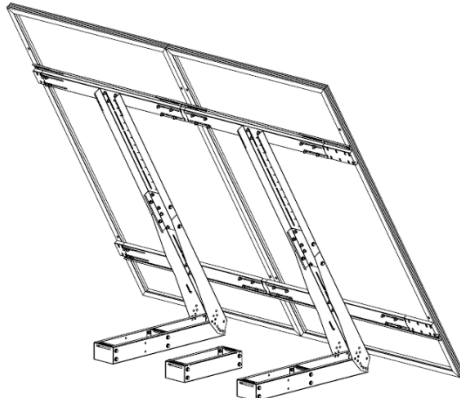
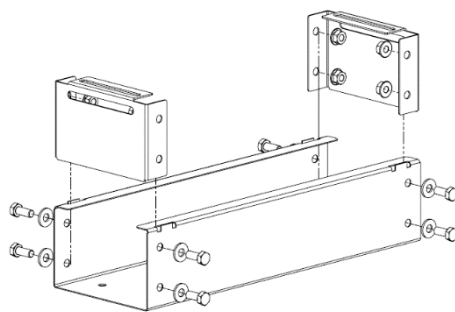
- Add the dry sand. Then, close the case by screwing the n° 175.

	
X10	N°175 X1

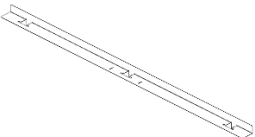


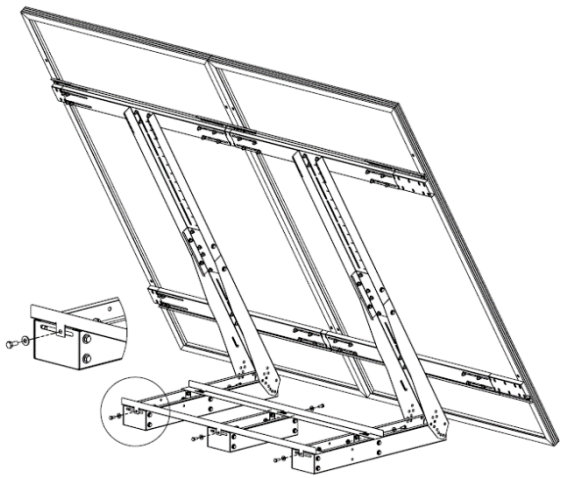
BRACKETS WITH CONCRETE SLABS MOUNTING (OPTION)

				
M8 X8	D8 X8	M8 X8	N°184 X2	N°183 X2



- Asten the 2 angle irons that will carry the 40 x 40 cm concrete slabs.

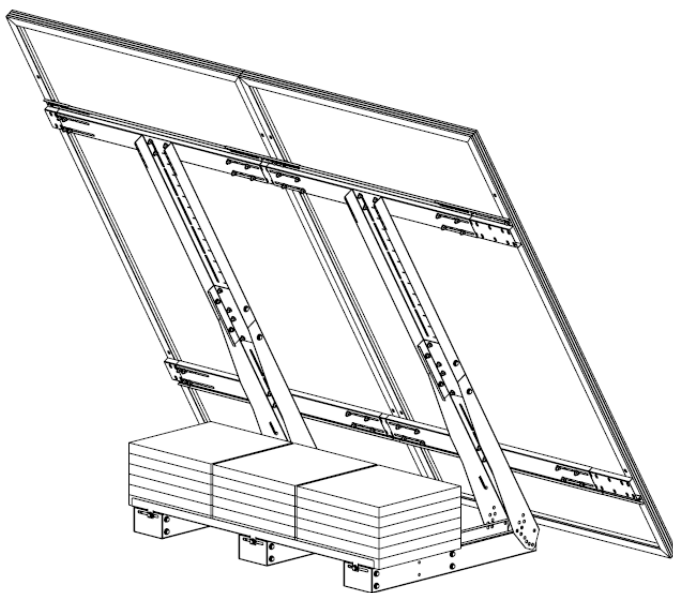
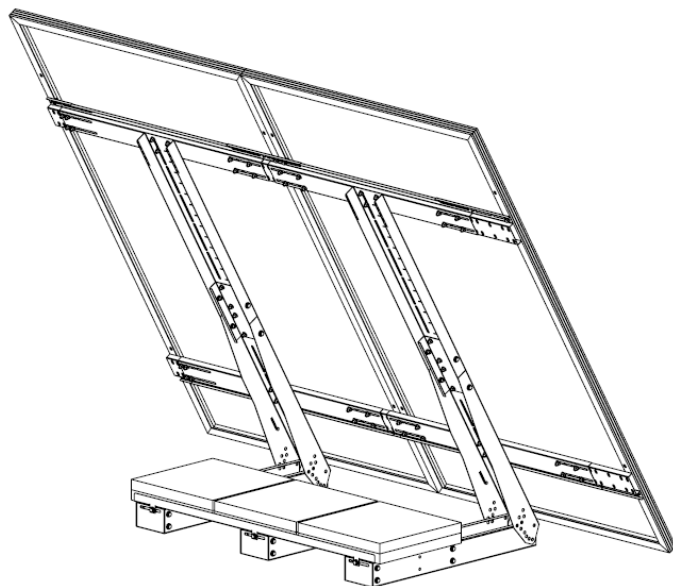
			
M8 X6	D8 X6	M8 X6	N°185 X2



BRACKETS WITH CONCRETE SLABS MOUNTING (OPTION)

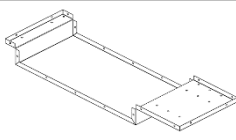
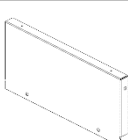
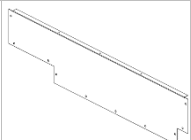
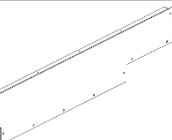
- Finalize the ballast adding concrete slabs until needed.

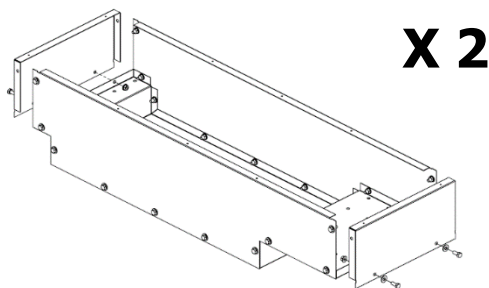
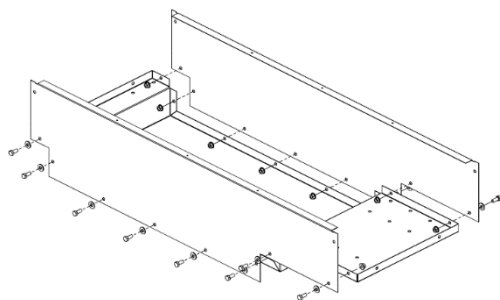
REMINDER : Respect the size of concrete slabs and the maximal weight allowed (cf. p.21)



ODD BALLAST BOX ASSEMBLY (OPTIONAL)

- Assemble the ballast box using the provided screws. Pre-tighten for assembly and fully tighten once the box is fully assembled.

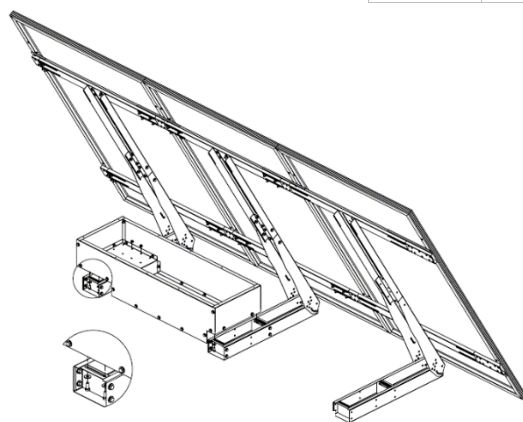
						
N°253 X2	N°246 X4	N°247 X2	N°254 X2	M8 X48	D8 X48	M8 X48



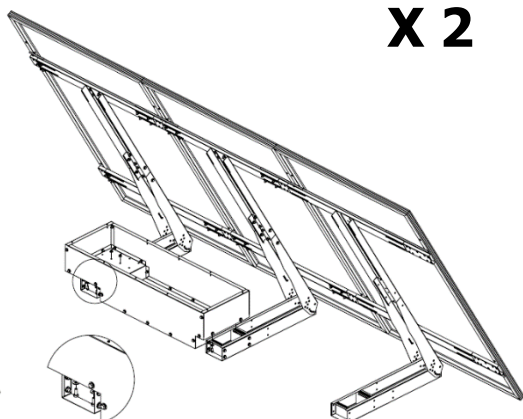
X 2

- Depending on your tilt angle, position the ballast box on the feet of the UNIFIX 1200 EGF support and secure it. Adjust the spacing of the EGF feet if necessary. Then, tighten all screws.

		
M8 X12	D8 X12	M8 X12



40° to 60°



30°

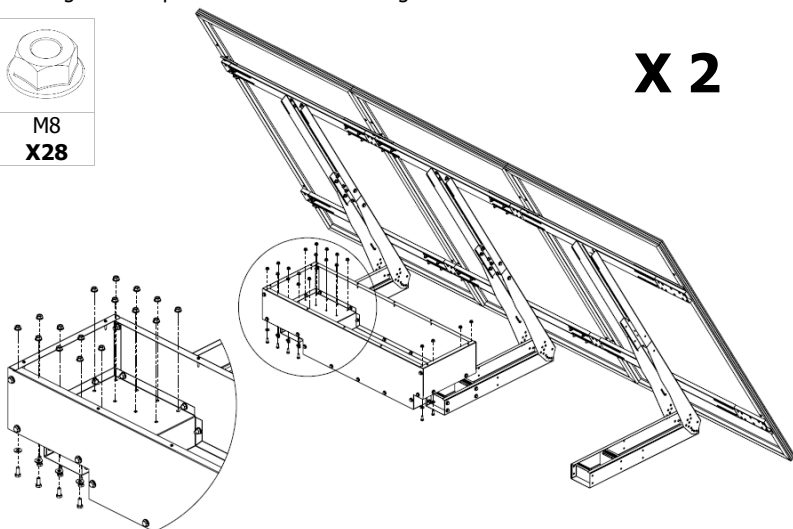
X 2

ODD BALLAST BOX ASSEMBLY (OPTIONAL)

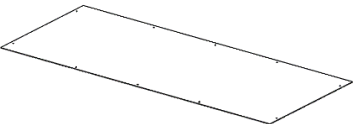
- Screw in the remaining holes to prevent sand from leaking out.

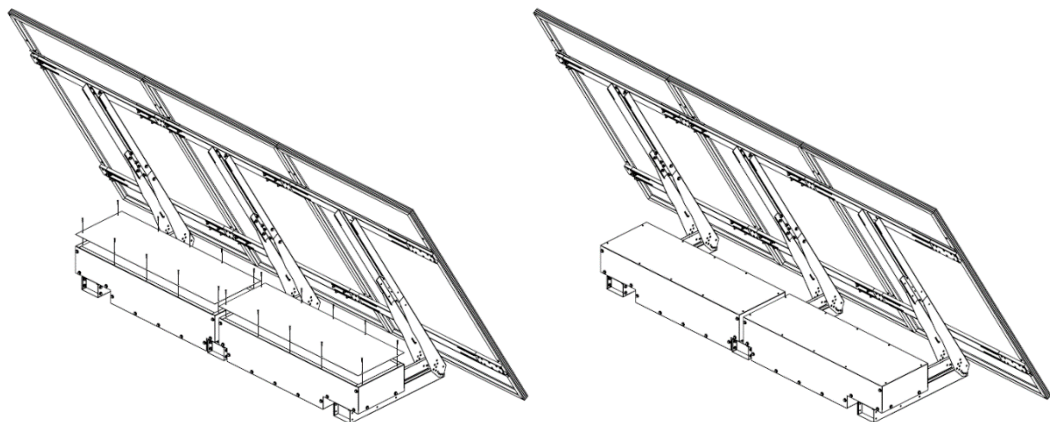
		
M8 X28	D8 X28	M8 X28

X 2



- Add dry sand. Then close the box by screwing N°175.

	
X20	N°175 X2



WARRANTY

The warranty covers any defect, manufacturing flaws for 1 year from the date of its purchase (Pieces and labour).

Warranty does not cover:

- Normal wear of parts.
- Faulty mounting of bracket.

In case of failure, return the product to your distributor by attaching :

- The dated proof of purchase (receipt, bill...)
- Explanatory note of the failure.

Caution: our after-sales service does not accept carriage forward/collected returns.

After the warranty, our after-sales service ensures repairs after acceptance of a quotation.

After-sales service contact :

Uniteck- 3 Avenue de l'Europe

34310 Montady -France

E-mail : sav@uniteck.fr

Estimado cliente, gracias por comprar nuestro producto Uniteck. Por favor lea con cuidado todas las instrucciones antes de usar el producto.

DESCRIPCIÓN

El soporte UNIFIX 1200 EGF fue diseñado especialmente para fijar sus paneles solares Unisun o equivalentes (referirse a la parte «paneles compatibles»).

Fácil de instalar, UNIFIX 1200 EGF se utiliza en una superficie plana, rígida y horizontal (ej : césped, arena, hormigón, marco de madera).

Se puede :

- Fijar en un piso de hormigón gracias a sus 8 pernos m8 (no incluidos).
- Lastrar utilizando la caja de lastre para UNIFIX 1200 EGF (opción).
- Lastrar utilizando el soporte para losas de hormigón (opción).

Gracias a su estructura de acero galvanizado y a sus tornillos resistentes a la corrosión, está perfectamente adaptado para un uso al aire libre.

Dotado de un sistema de inclinación con posiciones múltiples, el soporte Unifix permite optimizar su rendimiento según la orientación escogida :

- Sólo : el ángulo de ajuste es de 10 a 60 grados.
- Con opción caja de lastre : en ángulo de ajuste es de 30 a 60 grados.
- Con el soporte de losa de hormigón : el ángulo de ajuste es de 20 a 60 grados.

Gracias a su diseño innovador, el soporte UNIFIX 1200 EGF puede ser utilizado para realizar una instalación con varios paneles.

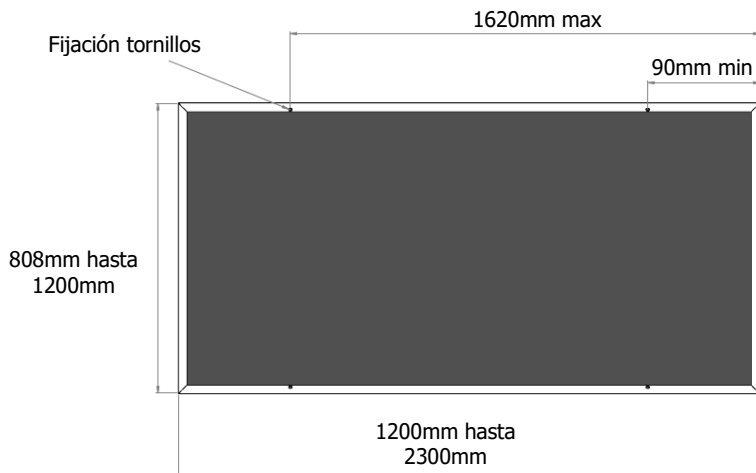


PANELES COMPATIBLES

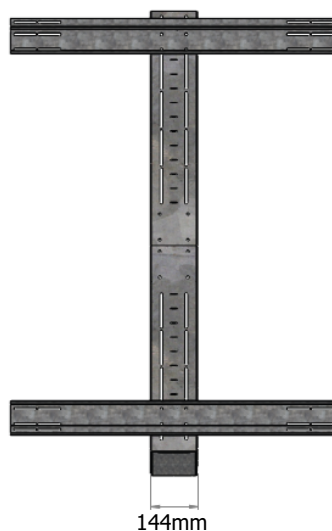
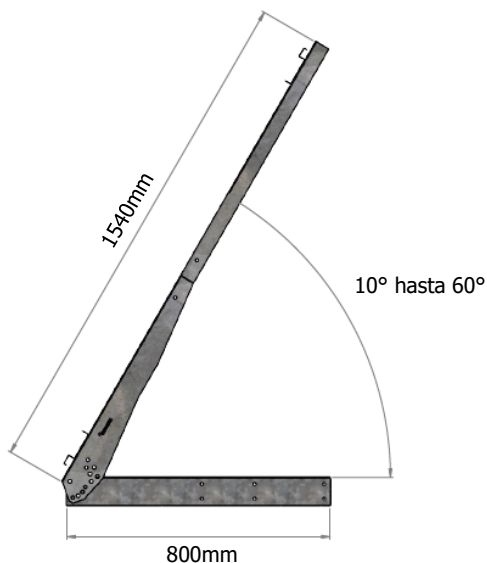
Gracias a su diseño basado en una utilización de perforación oblonga, Unifix permite la fijación de varios paneles del mercado con fijación por tornillo M8.

UNIFIX 1200 EGF acepta paneles de tamaño :

- Anchura de 808 a 1200 mm
- Longitud de 1200 a 2300 mm



DIMENSIONES



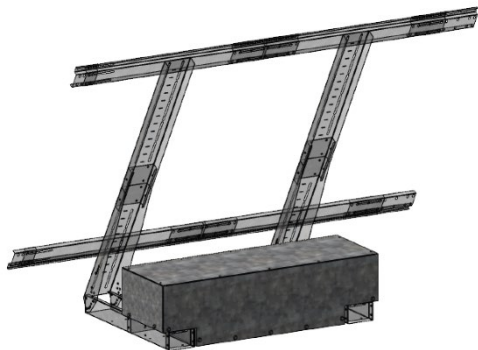
LASTRE CON CAJA POR RELLENAR O CON LOSA DE HORMIGÓN (OPCIÓN)

El lastre se debe adaptar al entorno de uso (país, zona de viento, etc.) y a la inclinación. Le lestage doit être adapté à l'environnement d'utilisation (pays, zone de vent, ...) et de l'inclinaison. UNITECK no se hace responsable de un lastre inadecuado.

La caja de lastre UNITECK está diseñada para el soporte UNIFIX 1200 EGF y para el lastre de 2 paneles de ancho máximo de 1134 mm.

Tiene una capacidad de 130 litros, o sea $0,13\text{m}^3$. La caja de lastre está diseñada para contener arena seca con una densidad de 1800 kg/m^3 lo que da un total de 240 kg.

El ángulo de inclinación del panel es de 30 a 60 grados.



El soporte UNITECK para losas de hormigón UNITECK está diseñado para el soporte UNIFIX 1200 EGF y para el lastre de 2 paneles de ancho máximo de 1180 mm.

Puede soportar hasta 24 losas estandar (40cm x 40cm) con un peso de 12,5Kg o sea un peso total de lastre de 300 Kg.

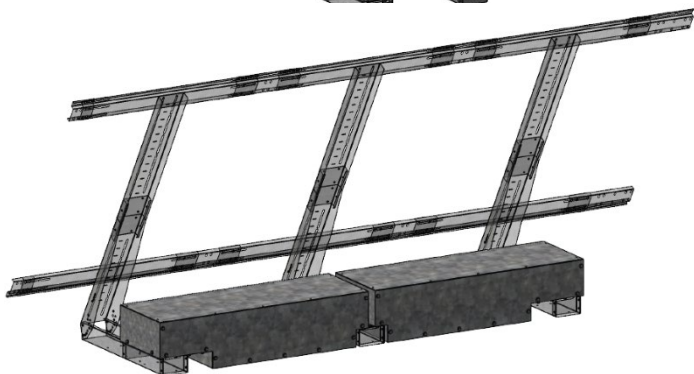
El ángulo de inclinación puede variar de 20 a 60 grados dependiendo de la cantidad de losas utilizadas.



La caja de lastre impar UNITECK está diseñada para el soporte UNIFIX 1200 EGF y para el lastre de 3 paneles de ancho máximo de 1200 mm.

Tiene una capacidad de 200 litros o sea $0,2\text{m}^3$. Está diseñada para contener arena seca con una densidad de 1800 kg/m^3 , lo que da un total de 360 kg.

El ángulo de inclinación del panel es de 30 a 60 grados.



RECOMENDACIONES

- Montar el soporte Unifix únicamente en superficies con capacidad de carga suficiente. Tome en cuenta la carga adicional con panel :

Soporte	Panel
UNIFIX 1200 EGF = 23 kg	2 x Unisun 300.12M = 2 x 15.5 kg

- Para evitar que se acumulen grandes cantidades de nieve detrás del captor, instale previamente unas rejillas adecuadas.
- La disposición de los captores influye en el rendimiento eléctrico. Escoja la inclinación y la orientación las más óptimas dependiendo de su entorno. Evite las zonas de sombra, o que algunos objetos sean fuente de sombra (ej. árbol)

CONSIGNAS DE SEGURIDAD

- Tome las medidas adecuadas para prevenir los accidentes durante sus fases de montaje.
- La exposición del soporte y del material de montaje a los rayos del sol durante un largo tiempo puede provocar quemaduras. Protéjase.
- Cuando acabe su montaje, asegúrase de que sus soportes y paneles estén bien fijados.



Algunas partes del soporte pueden ser afilados. Para evitar cualquier riesgo de herida, lleve guantes de protección adaptados durante las operaciones de transporte y de montaje.



MONTAJE SOPORTE UNIFIX 1200 EGF

Par de apriete recomendado

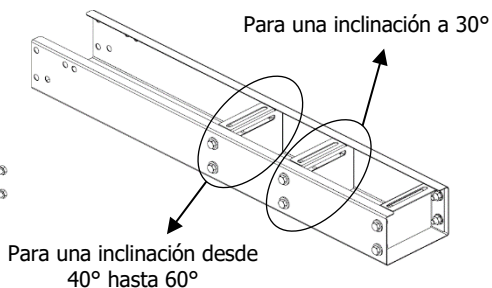
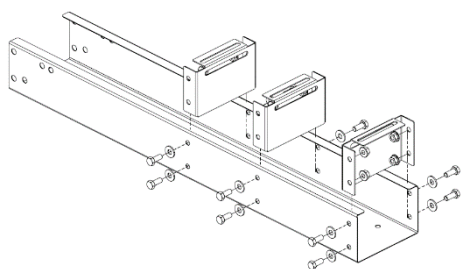
Coefficiente de fricción promedio $\mu=0,20$ / Apriete al 50% del límite elástico

Tornillo	Couple
M 8	21,50 Nm
M 10	44,00 Nm

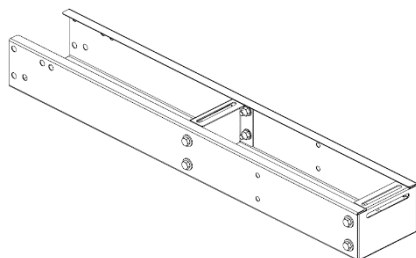
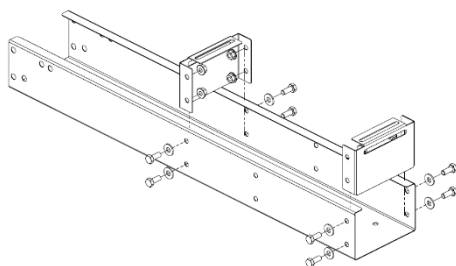
- Realice el montaje de las patas.

N°169 X2	N°181 X4	M8x20 X16	D8 X16	M8 X16

Para la utilización de una caja de lastre

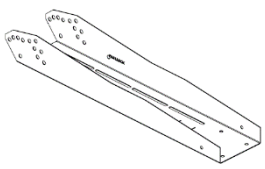
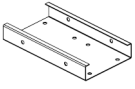
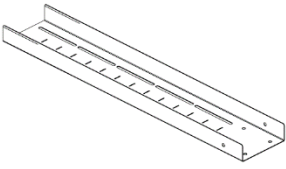


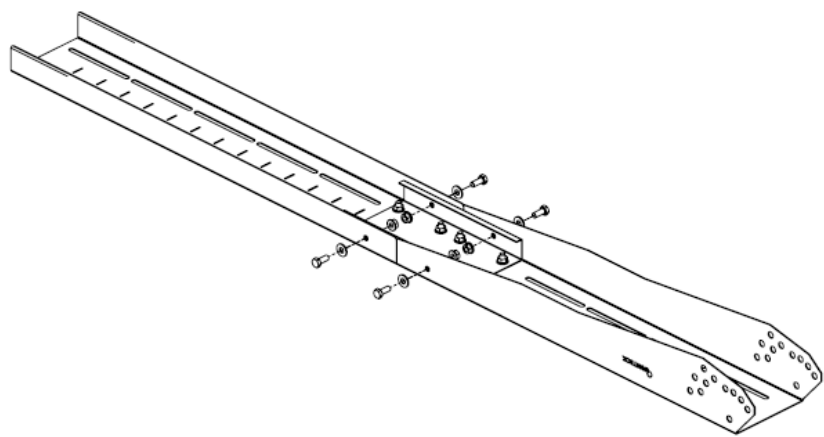
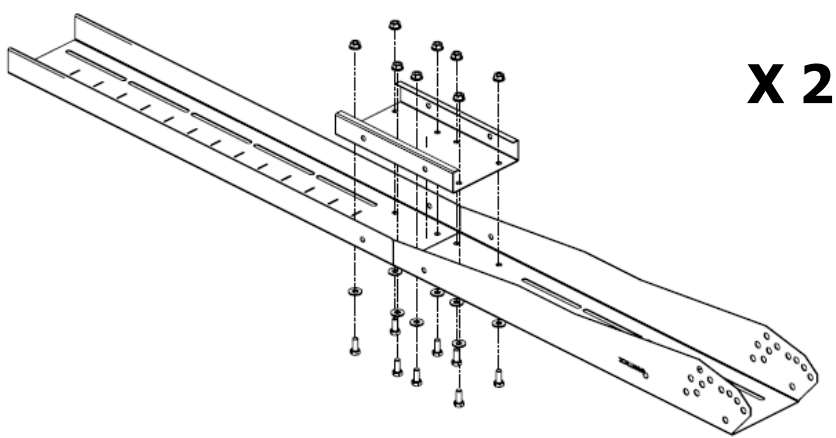
Para otra utilización



MONTAJE SOPORTE UNIFIX 1200 EGF (CONTINUACIÓN)

- Efectue el montaje de los brazos

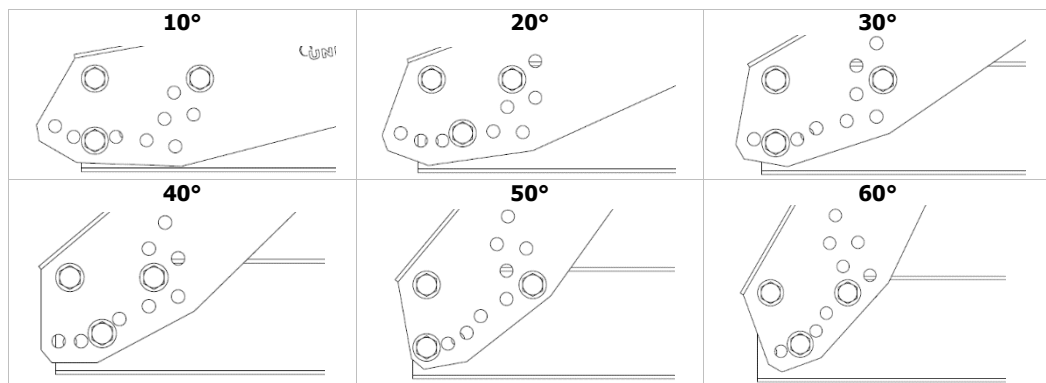
					
N°274 X2	N°275 X2	N°276 X2	M8x20 X24	D8 X24	M8 X24



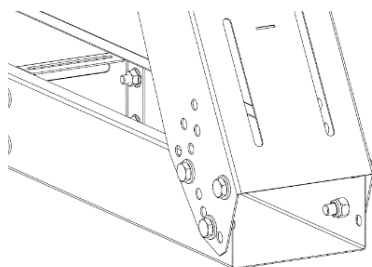
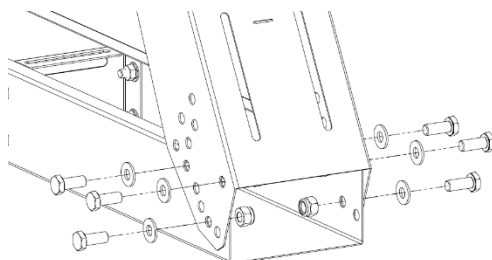
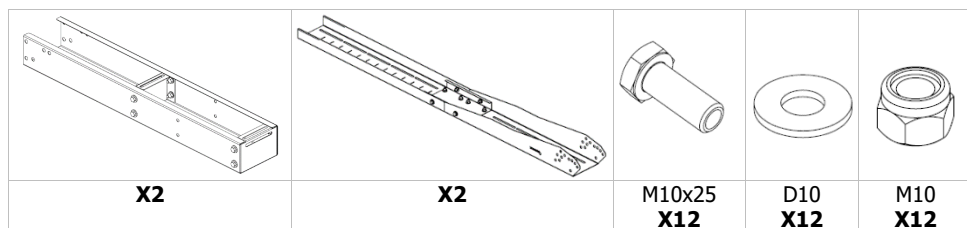
MONTAJE SOPORTE UNIFIX 1200 EGF (CONTINUACIÓN)

- UNIFIX tiene un sistema de inclinación con posiciones múltiples. Defina la inclinación deseada según la orientación elegida.

Performance électrique en fonction de l'inclinaison et de l'orientation panneau				
	0° 	30° 	60° 	90° 
Este	93%	90%	78%	55%
Sur-Este	93%	96%	88%	66%
Sur	93%	100%	91%	68%
Sur-Oeste	93%	96%	88%	66%
Oeste	93%	90%	78%	55%

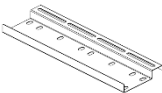
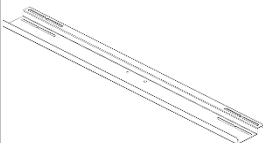
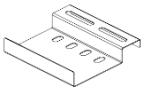


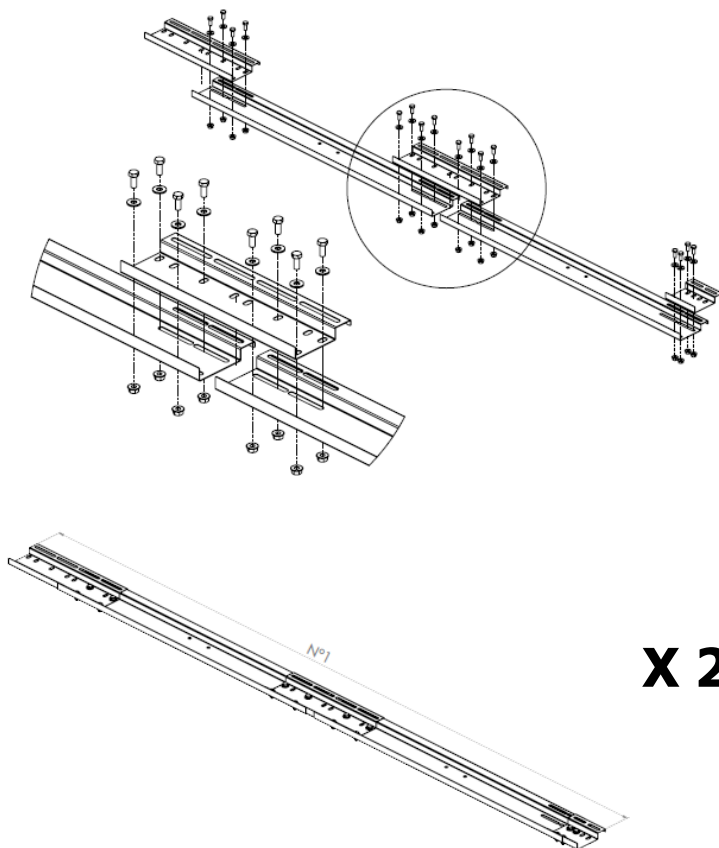
- Ensamble los brazos con el pie previamente montado.



MONTAJE SOPORTE UNIFIX 1200 EGF (CONTINUACIÓN)

- Posicione las piezas N°170, 171 y 183 en la posición indicada y realice un pre-apriete de los tornillos. La fijación definitiva se realizará posteriormente. La dimensión N°1 debe ser igual al ancho de 2 paneles.

					
M8 X32	D8 X32	M8 X32	N°170 X4	N°171 X4	N°183 X2



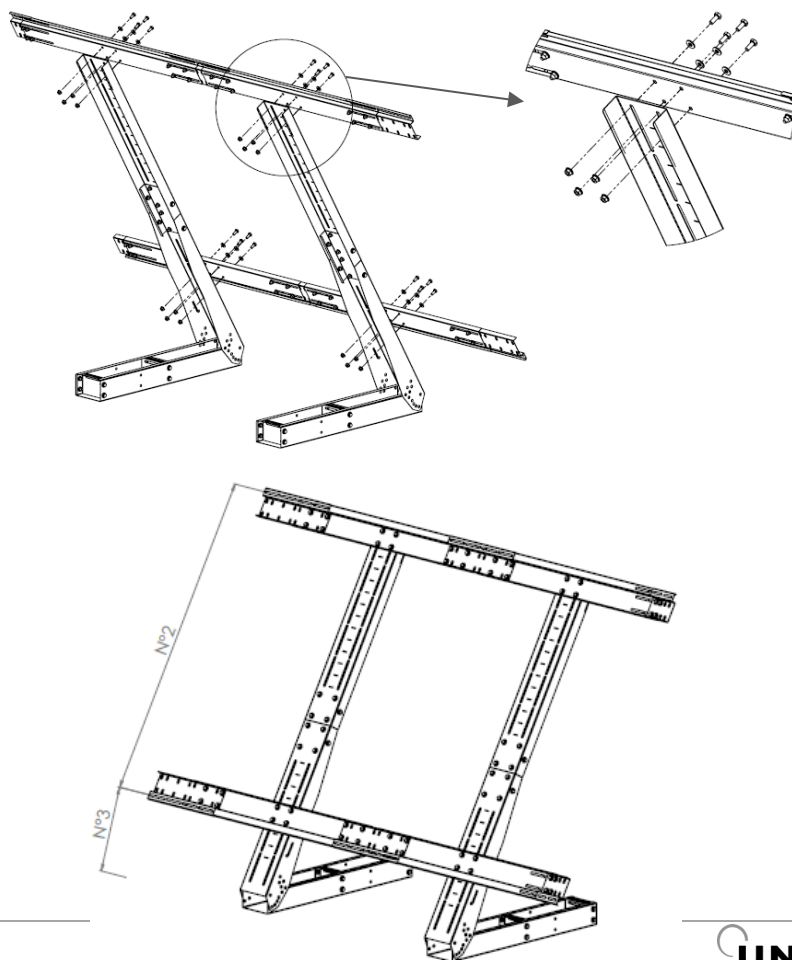
MONTAJE SOPORTE UNIFIX 1200 EGF (CONTINUACIÓN)

- Ensamble los travesaños previamente posicionados sobre los pies. No apriete completamente los tornillos.
- El soporte UNIFIX 1200 EGF es compatible con una amplia variedad de paneles solares.

Para realizar un preajuste, mida los centros de fijación de su panel para preestablecer la distancia N°2.

Si utiliza su soporte UNIFIX 1200 EGF dans un prado o césped, se debe adaptar la distancia N°3 para evitar que la vegetacion cubra la parte inferior del panel solar.

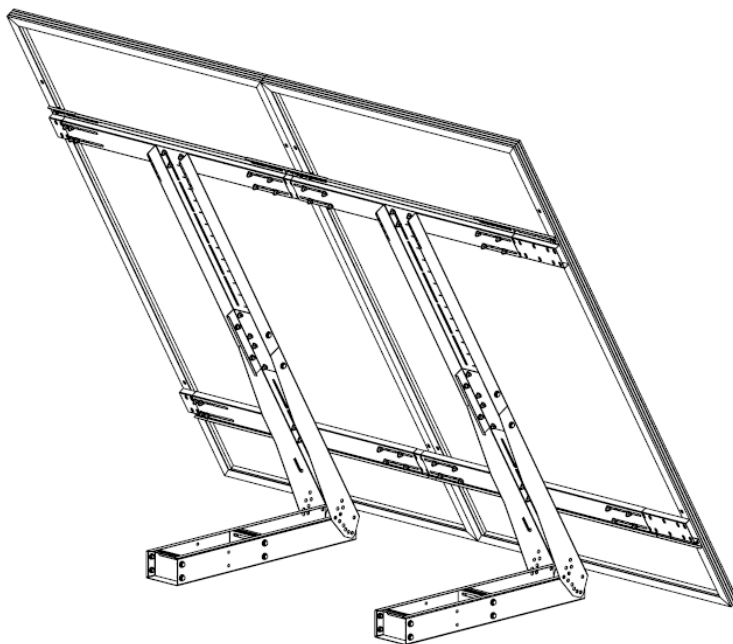
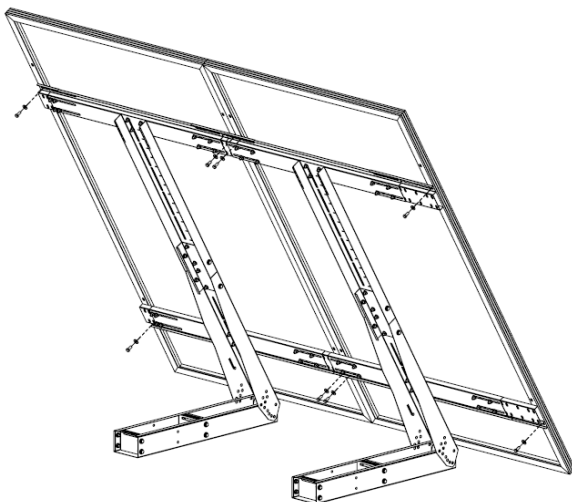
		
M8x20 X16	D8 X16	M8 X16



MONTAJE SOPORTE UNIFIX 1200 EGF (CONTINUACIÓN)

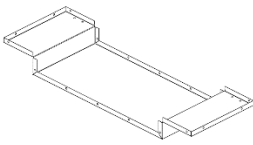
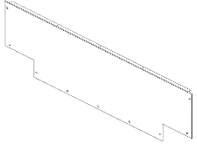
- Fije los paneles solares. Si lo necesita, ajuste la longitud de los ángulos de fijación al tamaño de los paneles solares.

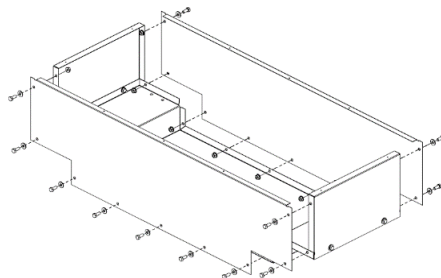
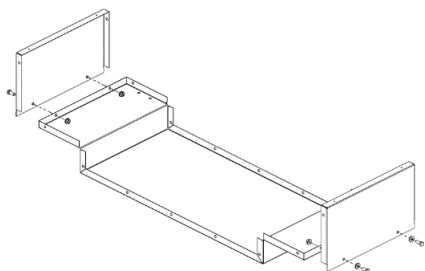
	M8x20 X8
	D8 X8
	M8 X8



MONTAJE CAJA DE LASTRE (OPCIÓN)

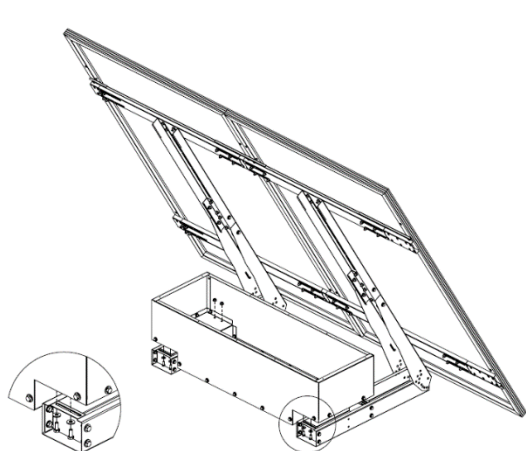
- Monte la caja de lastre con los tornillos provistos. Realice un pre-apriete para el montaje, y el apriete definitivo cuando la caja esté totalmente ensamblada.

					
N°172 X1	N°173 X2	N°174 X2	M8 X22	D8 X22	M8 X22

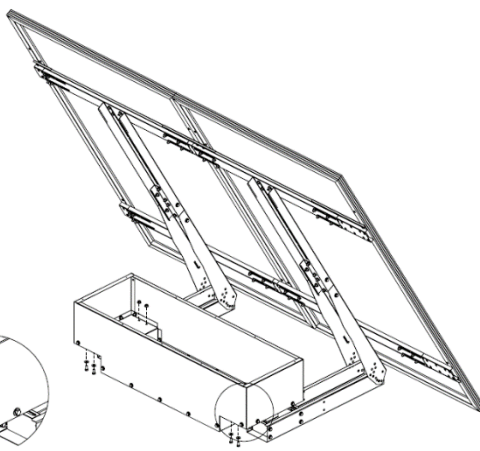


- Coloque la caja de lastre en las patas del soporte UNIFIX 1200 EGF y fjela. Luego, apriete todos los tornillos.

		
M8 X8	D8 X8	M8 X8



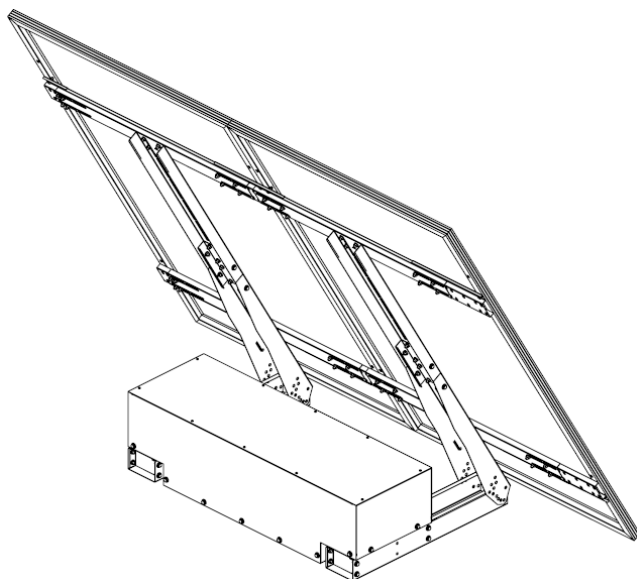
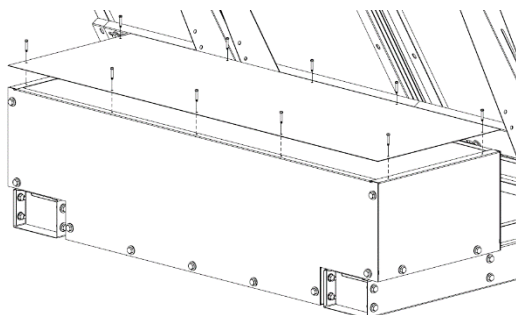
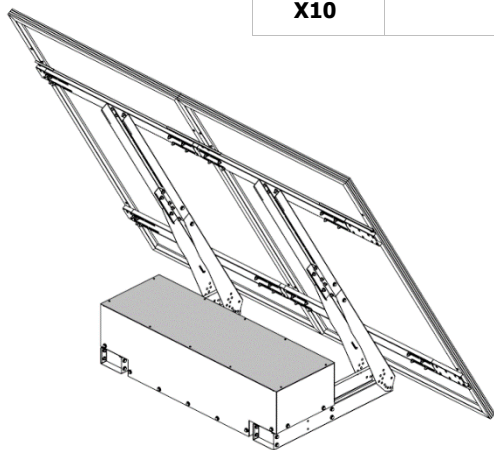
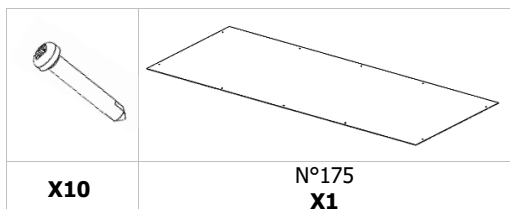
40° hasta 60°



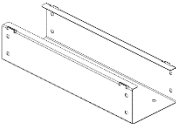
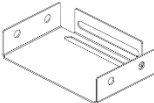
30°

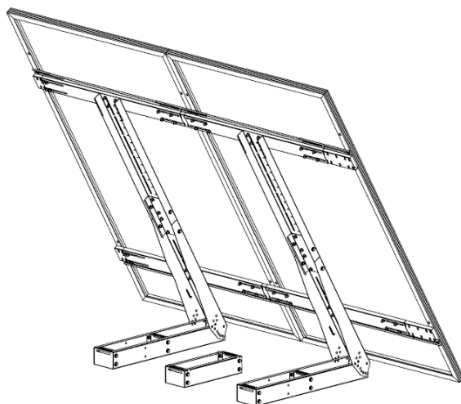
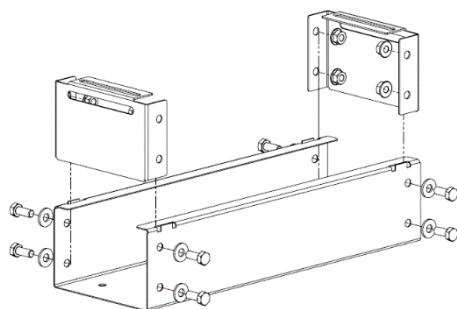
MONTAJE CAJA DE LASTRE (OPCIÓN)

- Agregue la arena seca. Luego, cierre la caja atornillando el N°175.

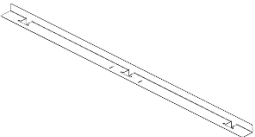


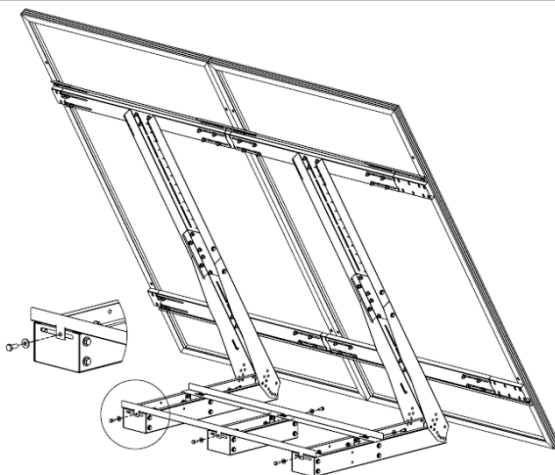
MONTAJE SOPORTE LOSA DE HORMIGÓN (OPCIÓN)

				
M8 X8	D8 X8	M8 X8	N°184 X2	N°183 X2



- Fije los 2 ángulos que soportarán las losas de hormigón 40 x 40 cm.

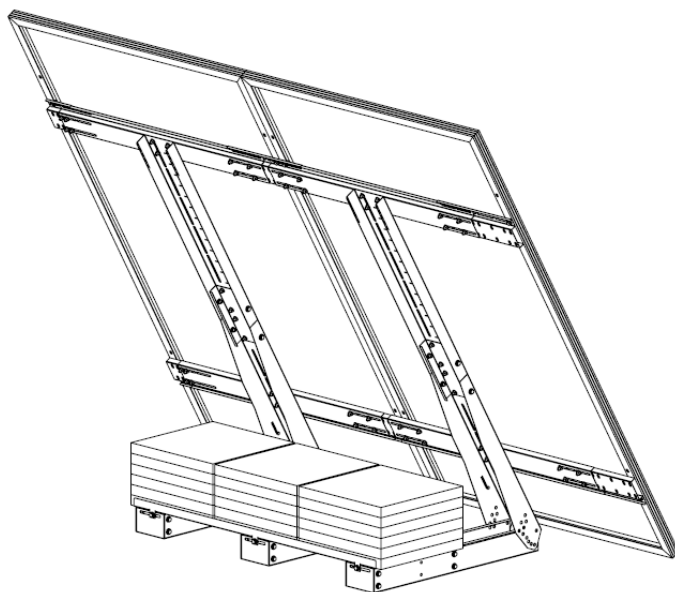
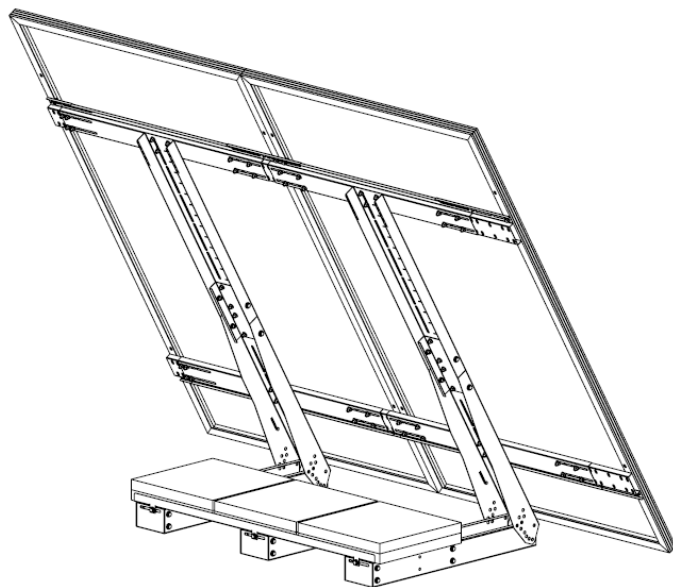
			
M8 X6	D8 X6	M8 X6	N°185 X2



MONTAJE SOPORTE LOSA DE HORMIGÓN (OPCIÓN)

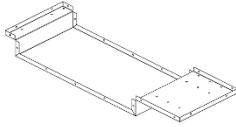
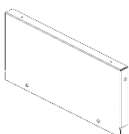
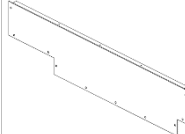
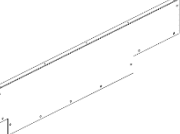
- Finalice el lastre agregando las placas hasta que sea suficiente.

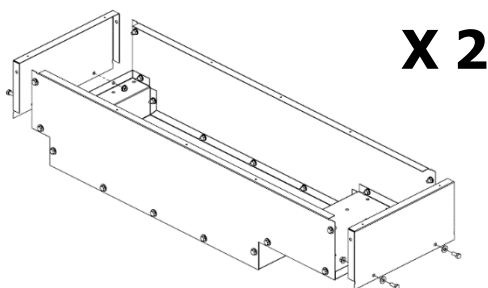
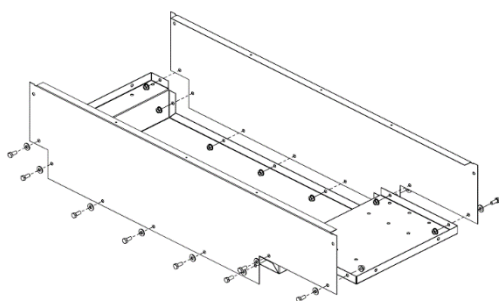
RECORDATORIO : Respete el límite máximo autorizado en cuanto al tamaño y al peso de las losas (cf. p.38).



MONTAJE CAJA DE LASTRE IMPAR (OPCIÓN)

- Ensamble el cajón de lastre utilizando los tornillos proporcionados. Realice un pre-apriete para asegurar el ensamblaje y apriete completamente los tornillos una vez que la caja esté completamente ensamblada.

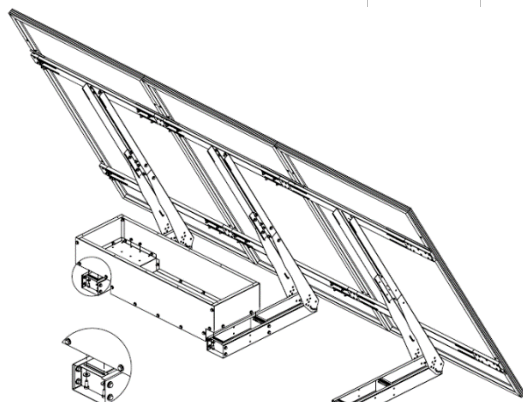
						
N°253 X2	N°246 X4	N°247 X2	N°254 X2	M8 X48	D8 X48	M8 X48



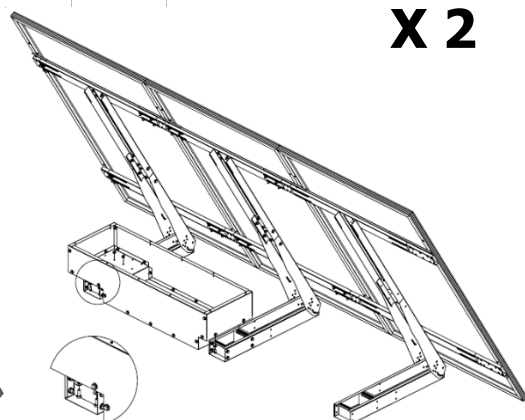
X 2

- En función del ángulo de inclinación deseado, ubique la caja de lastre sobre los pies del soporte UNIFIX 1200 EGF y fijela. Si es necesario, ajuste la separación entre los pies del soporte para lograr la posición correcta de la caja. Luego, apriete todos los tornillos para asegurar la fijación.

		
M8 X12	D8 X12	M8 X12



40° à 60°



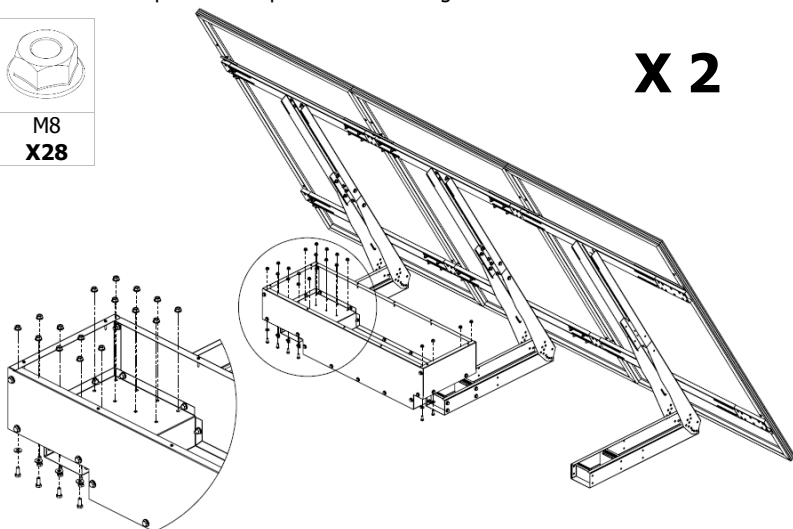
30°

MONTAJE CAJA DE LASTRE IMPAR (EN OPCIÓN)

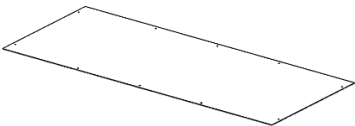
- Atornille los orificios restantes para evitar que la arena se salga.

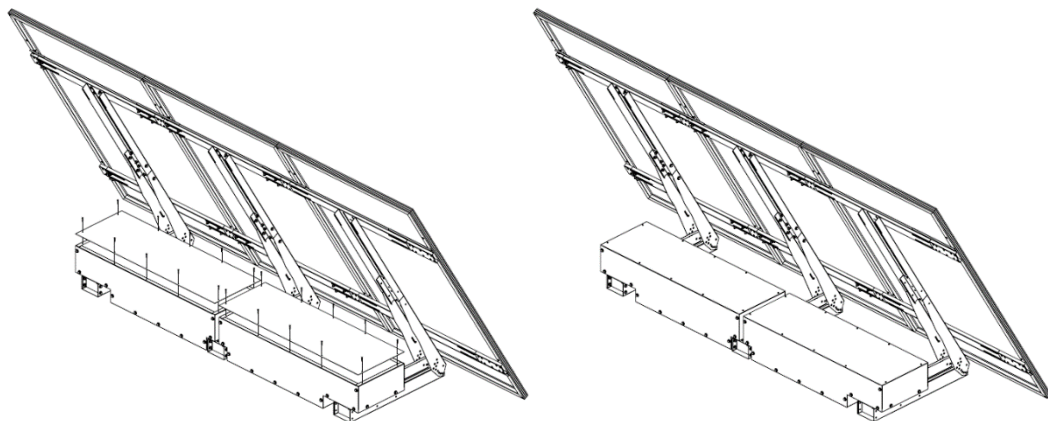
		
M8 X28	D8 X28	M8 X28

X 2



- Agregue arena seca. Luego, cierre la caja atornillando el N°175.

	
X20	N°175 X2



GARANTÍA

La garantía cubre todo defecto de fabricación durante 2 años después de la fecha de compra (piezas y mano de obra).

La garantía no cubre :

- El desgaste normal de las piezas.
- Los errores de montaje.

Si encuentra algún defecto, devuelva el producto a su distribuidor, junto con :

- Un comprobante de compra fechado (boleto de compra, factura...)
- Una nota explicativa sobre el defecto encontrado.

Cuidado : nuestro servicio postventa no acepta devoluciones en franqueo debido.

Después de la garantía, nuestro servicio postventa realiza las reparaciones después de aceptación de una cotización.

Contacto Servicio Postventa :

Uniteck- 1 Avenue de l'Europe

34310 Montady - France

E-mail: sav@uniteck.fr

Gentile cliente, la ringraziamo per il suo acquisto di uno dei nostri prodotti UNITECK. La preghiamo di prendere conoscenza attentamente di tutte le istruzioni, prima di utilizzare il prodotto.

DESCRIZIONE

Il supporto UNIFIX 1200 EGF è stato progettato specialmente per fissare i vostri pannelli fotovoltaici Unisun o equivalenti (cfr. parte pannelli compatibili).

Semplice da installare, UNIFIX 1200 EGF si utilizza su una superficie piana, rigide all'orizzontale (p.es: prato, sabbia, pavimento in cemento, ossatura legno).

Può essere :

- Fissato al suolo (pavimento cemento) grazie a 8 spine Dowel M8 (non fornite).
- Zavorrato con la cassa zavorrata per UNIFIX 1200 EGF (opzione).
- Zavorrato con il supporto per lastre in cemento (opzione).

Grazie alla sua struttura in acciaio zincato e le sue viti adatti, resistente alla corrosione, è perfettamente adatto per un uso esterno.

Dotato di un sistema d'inclinazione multi-posizione, il supporto Unifix vi permette di ottimizzare l'efficienza elettrica secondo l'orientamento scelto:

- UNIFIX 1200 EGF : l'angolo di regolazione è di 10 a 60 gradi.
- Con opzione cassa zavorrata : l'angolo di regolazione è di 30 a 60 gradi.
- Con il supporto per lastre in cemento : l'angolo di regolazione è di 20 a 60 gradi.

Grazie alla sua progettazione innovante, il supporto UNIFIX 1200 EGF può essere utilizzato per realizzare un'installazione multi-pannelli.

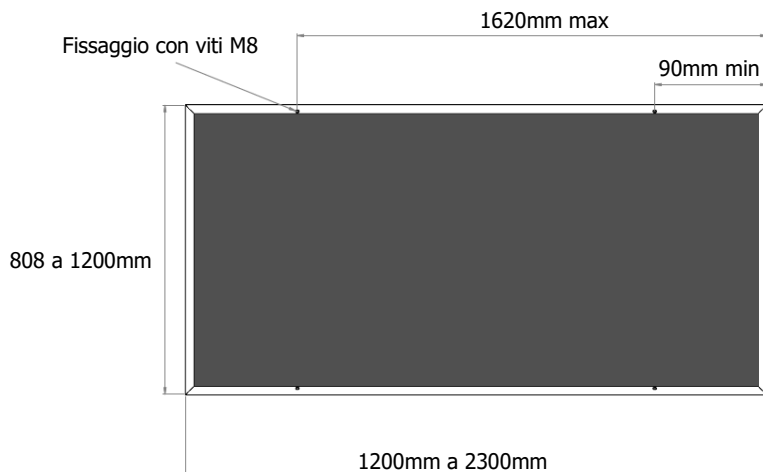


PANNELLI COMPATIBILI

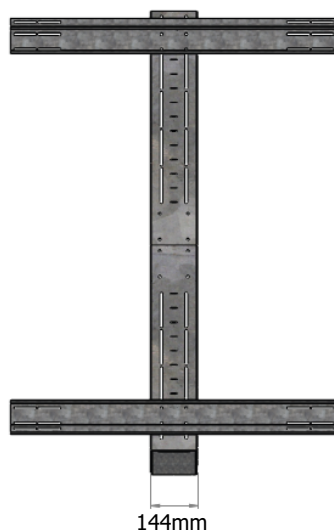
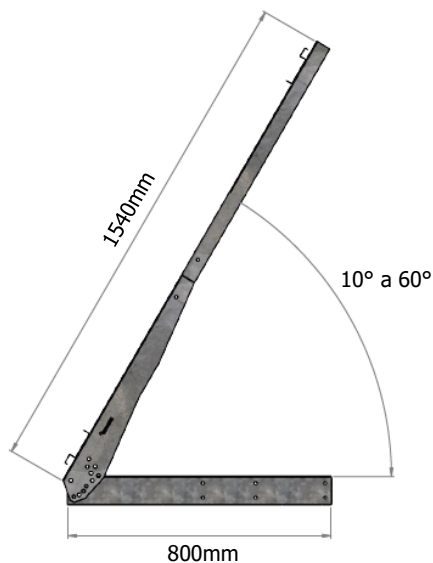
Grazie al suo design basato sull'uso di fori Oblunghi, Unifix permette il fissaggio di differenti pannelli del mercato, fissaggio con viti M8.

UNIFIX 1200 EGF accetta pannelli con le dimensioni seguenti :

- Larghezza da 808 a 1200 mm
- Lunghezza da 1200 a 2300 mm



DIMENSIONI



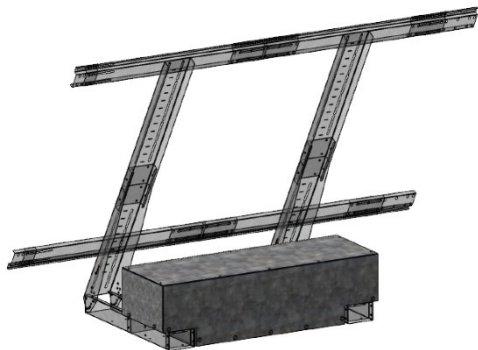
ZAVORRA CON CASSA DÀ RIEMPIRE O CON LASTRE IN CEMENTO (OPZIONE)

La zavorra deve essere adatta all'ambiente nel quale si usa (paese, zona di vento, ...) e all'inclinazione. UNITECK non potrà essere tenuto responsabile di una zavorra non adatta.

La cassa zavorra UNITECK è progettata per il supporto UNIFIX 1200 EGF e per la zavorra di 2 pannelli con larghezza massima di 1134mm.

Ha una capacità di 130 litri o 0,13 m³. Il cassone zavorra è progettato per contenere sabbia asciutta con una densità di 1800 Kg/m³, ovvero un totale di 240 Kg.

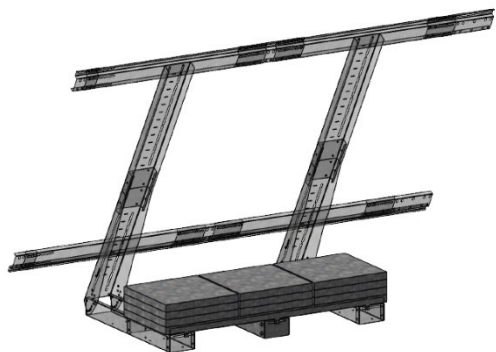
L'angolo di inclinazione del pannello è compreso tra 30 e 60°.



Il supporto per lastre in calcestruzzo UNITECK è progettato per il supporto UNIFIX 1200 EGF e per lo zavorramento di 2 pannelli con una larghezza massima di 1180 mm.

Il supporto per solai in calcestruzzo UNITECK può sostenere fino a 24 lastre standard (40cm x 40xm) con un peso di 12,5 Kg, ovvero un peso totale della zavorra di 300 Kg.

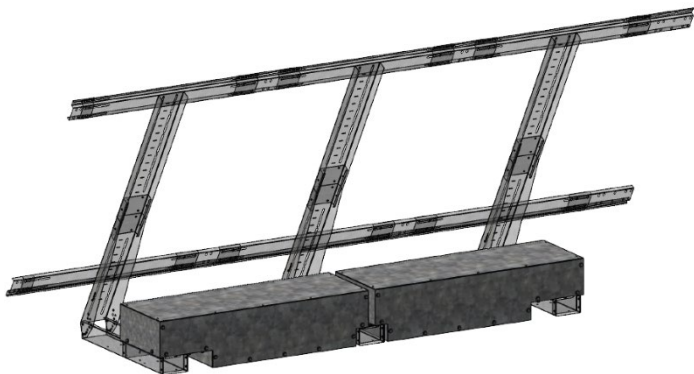
L'angolo di inclinazione può variare da 20 a 60 gradi a seconda del numero di piastrelle utilizzate.



La cassa zavorra dispari UNITECK è progettata per il supporto UNIFIX 1200 EGF e per lo zavorramento di 3 pannelli con larghezza massima di 1200mm.

Ha una capacità di 200 litri o 0,2 m³. Il cassone zavorra è progettato per contenere sabbia asciutta con una densità di 1800 Kg/m³, ovvero un totale di 360 Kg.

L'angolo di inclinazione del pannello è compreso tra 30 e 60°.



RACCOMANDAZIONI

- Montare i supporti UNIFIX solo su superfici che hanno la capacità di sopportare il loro peso. Tenere conto del peso aggiuntivo del pannello.

Supporto	Pannello
UNIFIX 1200 EGF = 23 kg	2 x Unisun 300.12M = 2 x 15.5 kg

- Per evitare che si accumuli una grande quantità di neve dietro il sensore, installare una griglia fermaneve.
- La disposizione dei sensori influenza l'efficienza elettrica. Scegliere l'inclinazione e l'orientamento più ottimali in funzione del vostro ambiente. Evitare le zone ombreggiate o che certi oggetti nascondano il pannello (P.es. albero)

ISTRUZIONI DI SICUREZZA

- Prendete le misure adeguate per prevenire gli incidenti durante i vostri lavori di montaggio.
- Se il supporto e il materiale di montaggio sono esposti al sole durante un lungo periodo di tempo, esiste un rischio di ustione. Proteggetevi.
- Alla fine dei lavori, verificare che i vostri supporti e pannelli siano ben fissati.



Alcuni elementi possono avere spigoli vivi. Per evitare qualsiasi rischio di lesioni, si prega di portare un paio di guanti idonei durante le operazioni di manipolazione e montaggio.



MONTAGGIO SUPPORTO UNIFIX 1200 EGF

Coppia di serraggio raccomandata

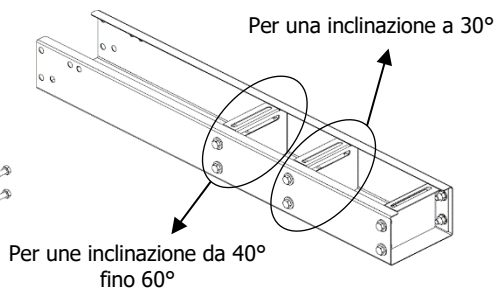
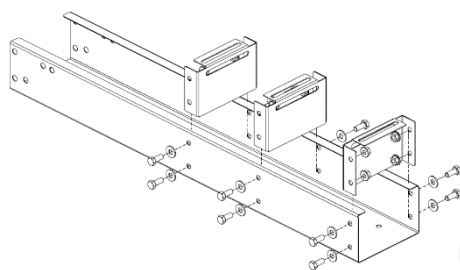
Nb. Coefficiente di attrito medio $\mu=0,20$ / Serraggio al 50% del limite elastico.

Vite	Coppia
M 8	21,50 Nm
M 10	44,00 Nm

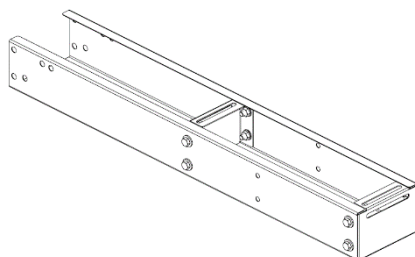
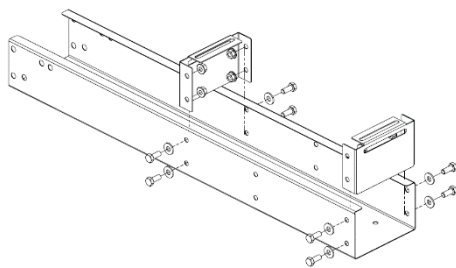
- Realizzare il montaggio della base.

N°169 X2	N°181 X4	M8x20 X16	D8 X16	M8 X16

Per uso con la cassa zavorrata

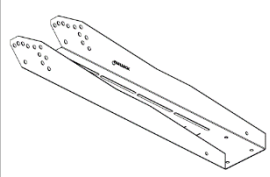
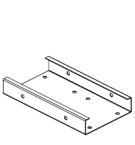
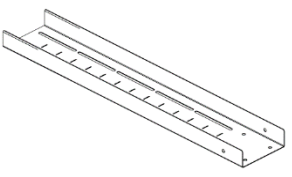


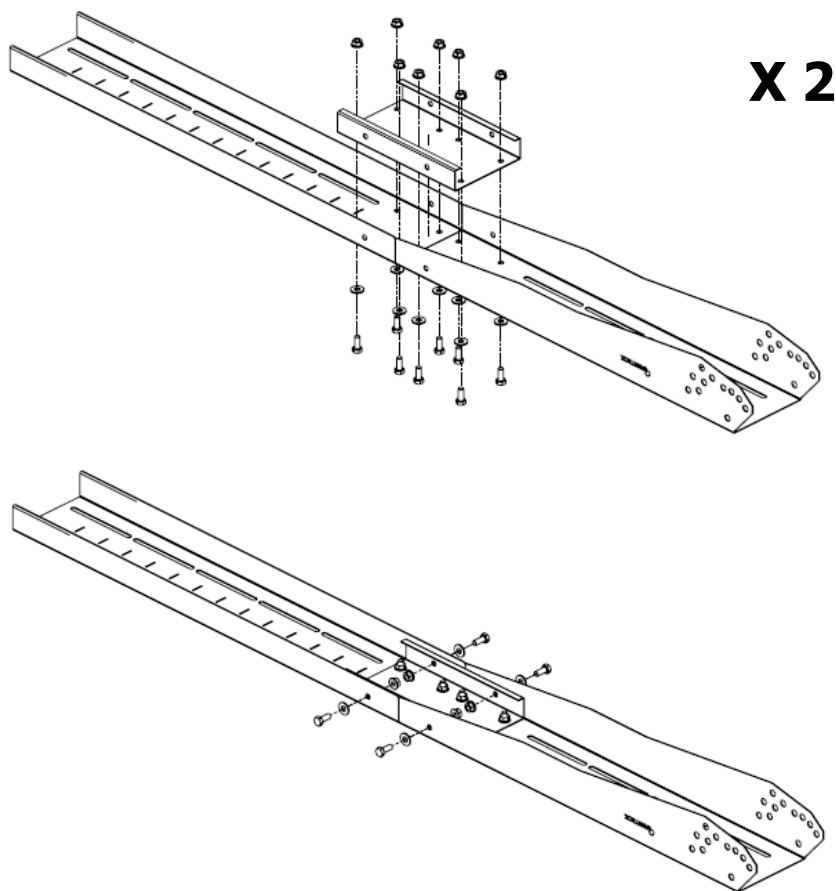
Per un uso differente



MONTAGGIO SUPPORTO UNIFIX 1200 EGF

- Réalisez le montage des bras.

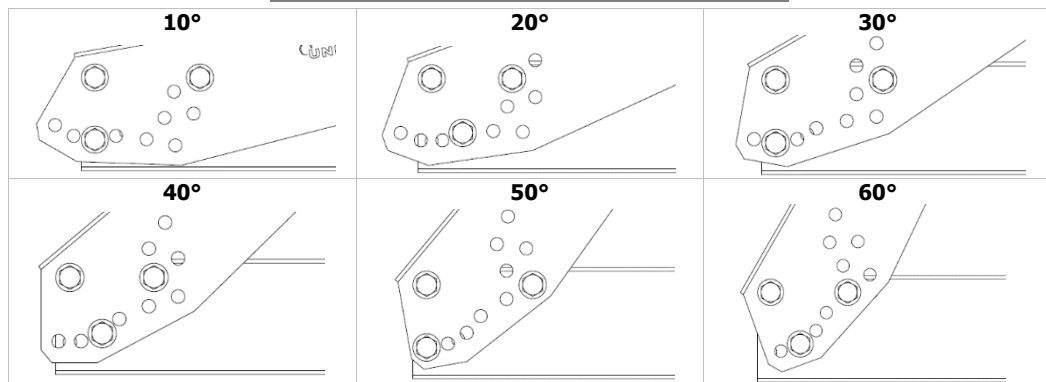
					
N°274 X2	N°275 X2	N°276 X2	M8x20 X24	D8 X24	M8 X24



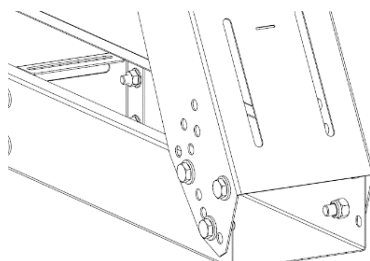
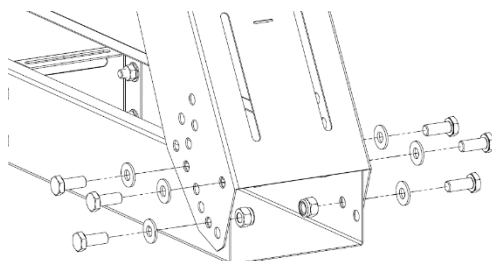
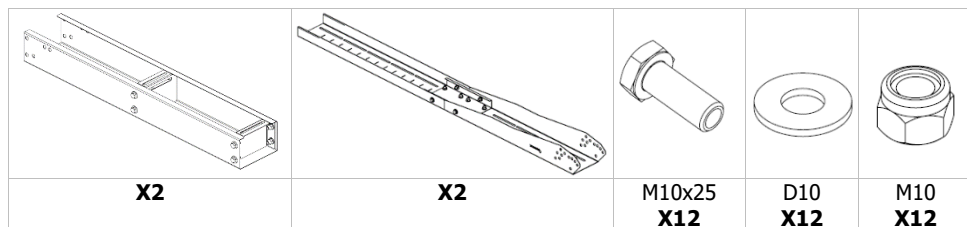
MONTAGGIO SUPPORTO UNIFIX 1200 EGF

- UNIFIX dispone di un sistema di inclinazione multi-posizioni. Determinare l'inclinazione desiderata secondo l'orientamento scelto.

Efficienza elettrica secondo l'inclinazione e l'orientamento del pannello				
	0° 	30° 	60° 	90° 
Est	93%	90%	78%	55%
Sud-Est	93%	96%	88%	66%
Sud	93%	100%	91%	68%
Sud Ovest	93%	96%	88%	66%
Ovest	93%	90%	78%	55%

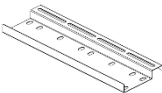
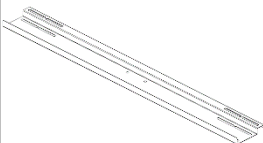
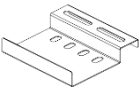


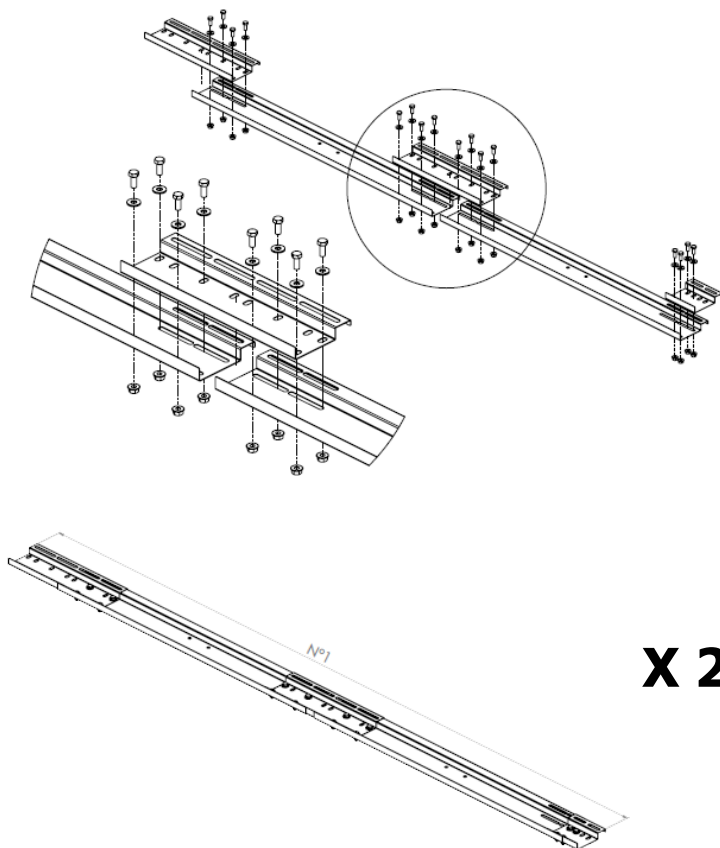
- Fissare il pezzo N°168 con il piede assemblato precedentemente.



MONTAGGIO SUPPORTO UNIFIX 1200 EGF

- Prendere le parti N°170, 171 e 183, posizionarle e poi preserrare le viti. La fissazione totale verrà effettuata in un secondo momento. La dimensione **N°1** deve essere uguale alla larghezza di 2 pannelli.

					
M8 X32	D8 X32	M8 X32	N°170 X4	N°171 X4	N°183 X2

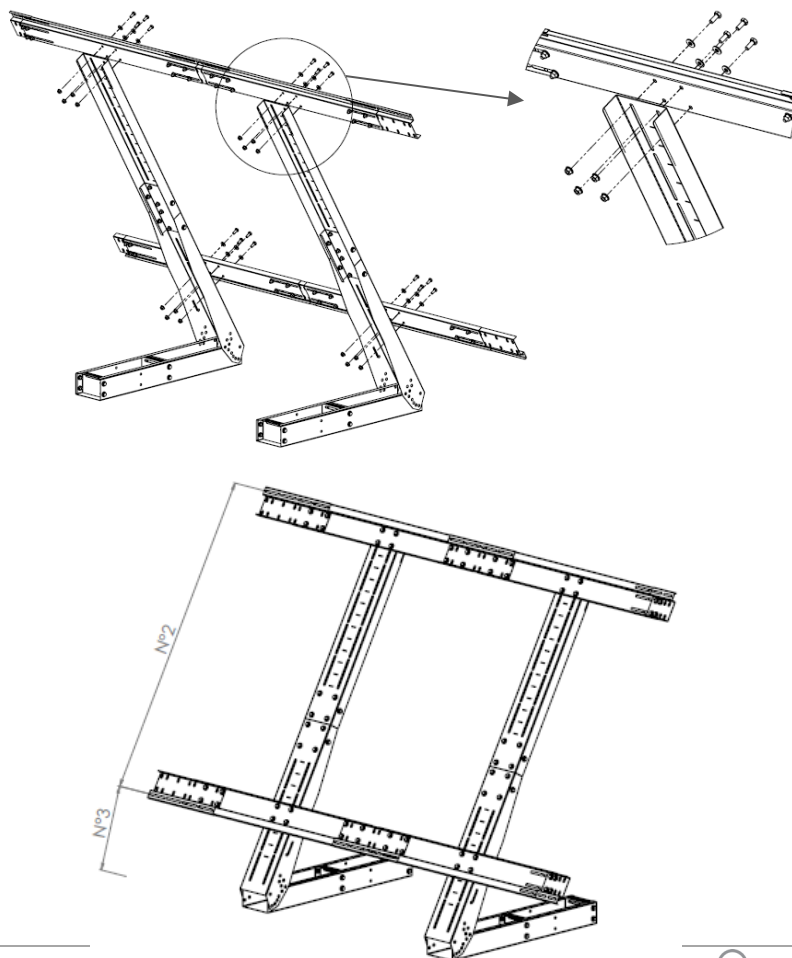


X 2

MONTAGGIO SUPPORTO UNIFIX 1200 EGF

- Fissare le traverse pre-preparate alle gambe. Non serrarli completamente.
- La staffa UNIFIX 1200 EGF può essere adattata a tutti i tipi di pannelli.
Per effettuare un preset, misurare la distanza di montaggio del pannello per preimpostare la distanza **N°2**.
Se si utilizza il supporto UNIFIX 1200 EGF in un prato o in un prato, la distanza **N°3** deve essere adattata in modo che l'erba non copra il pannello solare nella sua parte inferiore.

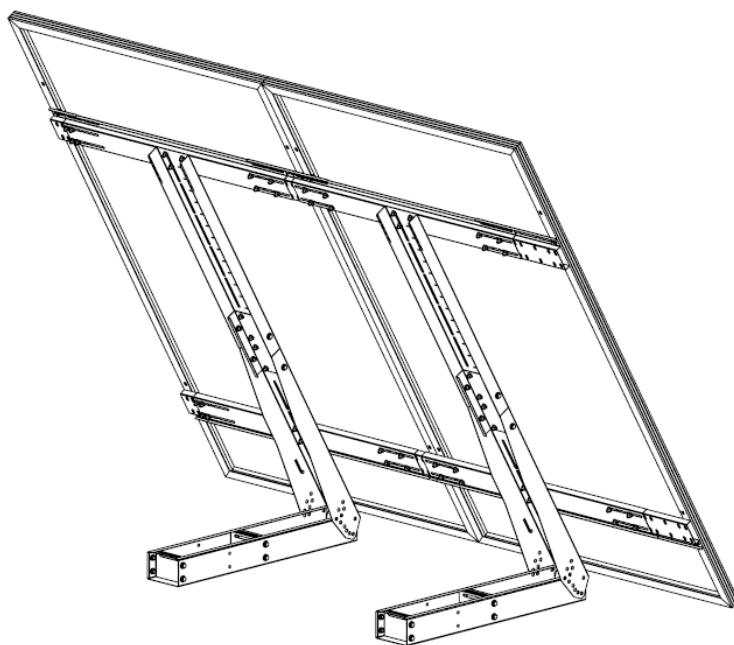
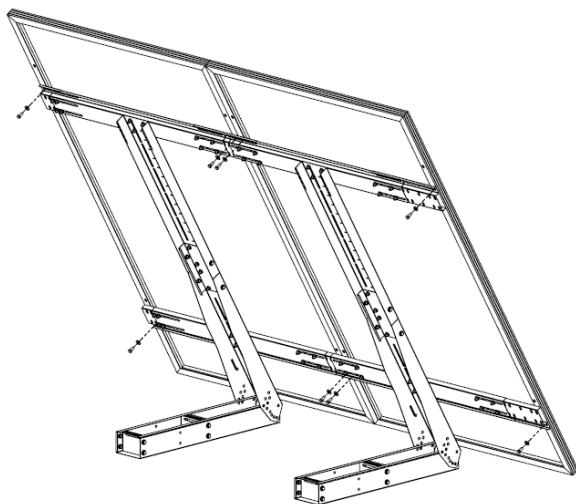
		
M8x20 X16	D8 X16	M8 X16



MONTAGGIO SUPPORTO UNIFIX 1200 EGF

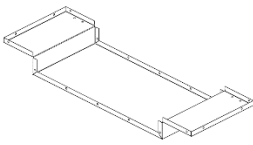
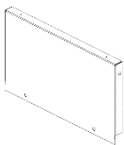
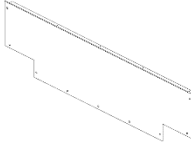
- Fissare i pannelli fotovoltaici. Se necessario, adattare la lunghezza dei profili angolari di fissaggio in funzione della dimensione dei vostri pannelli fotovoltaici.

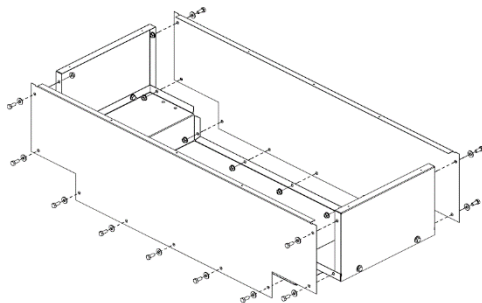
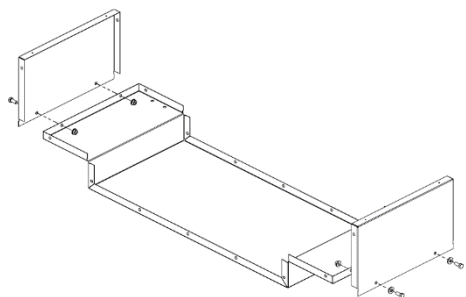
	M8x20 X8
	D8 X8
	M8 X8



MONTAGGIO CASSA ZAVORRATA (OPZIONALE)

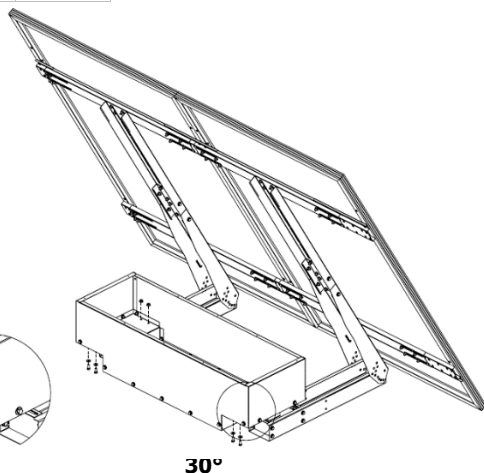
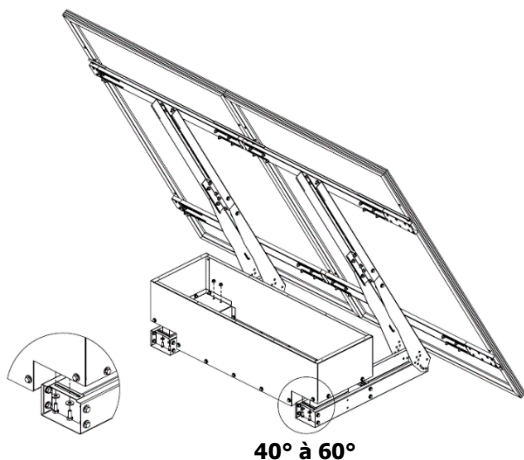
- Montare la cassa zavorrata con le viti fornite. Realizzare un preserraggio per il montaggio e effettuare il serraggio completo una volta la cassa completamente montata.

					
N°172 X1	N°173 X2	N°174 X2	M8 X22	D8 X22	M8 X22



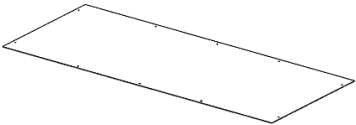
- A seconda del vostro angolo d'inclinazione, posizionare la cassa di zavorra sui piedi del supporto UNIFIX 1200 EGF et fissarla. Poi serrare tutte les viti.

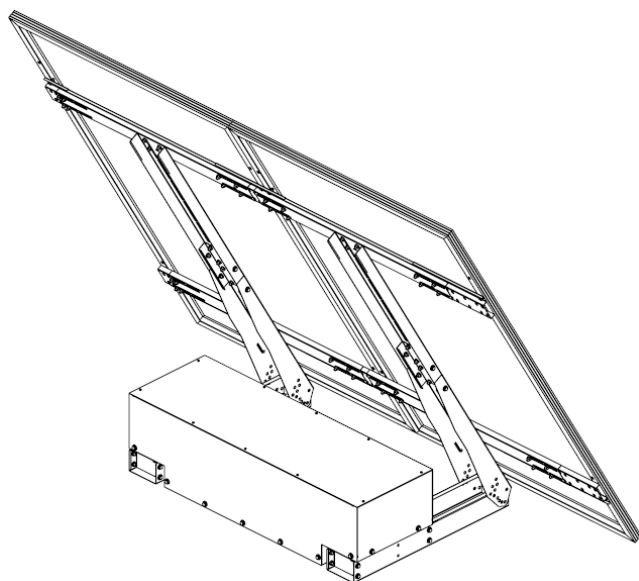
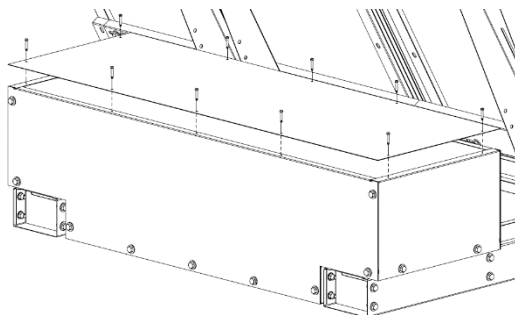
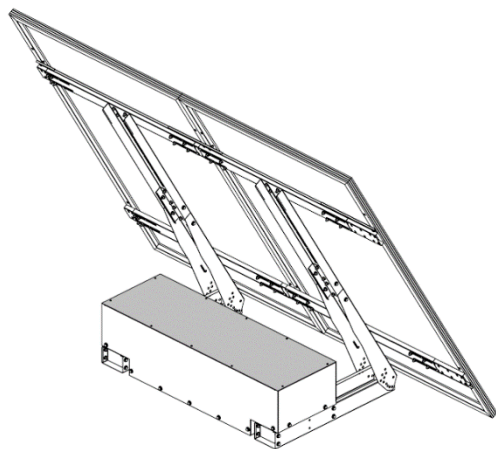
		
M8 X8	D8 X8	M8 X8



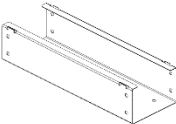
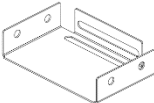
MONTAGGIO CASSA ZAVORRATA (OPZIONALE)

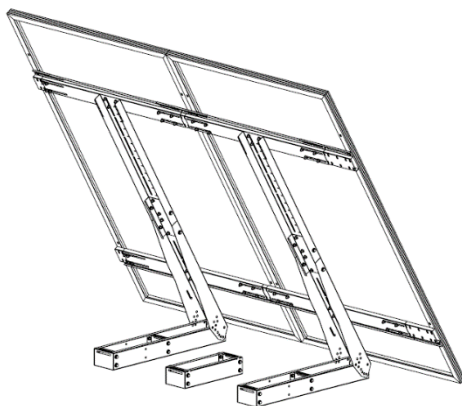
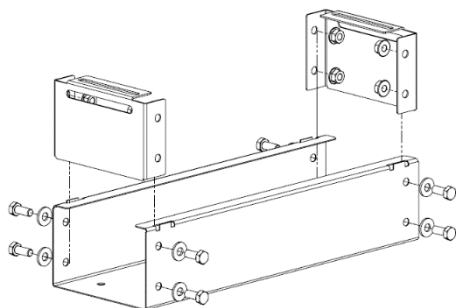
- Aggiungere sabbia asciutta. Dopo chiudete la cassa vitando il N°175.

	
X10	N°175 X1

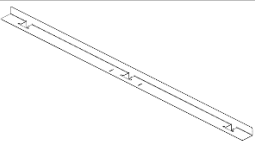


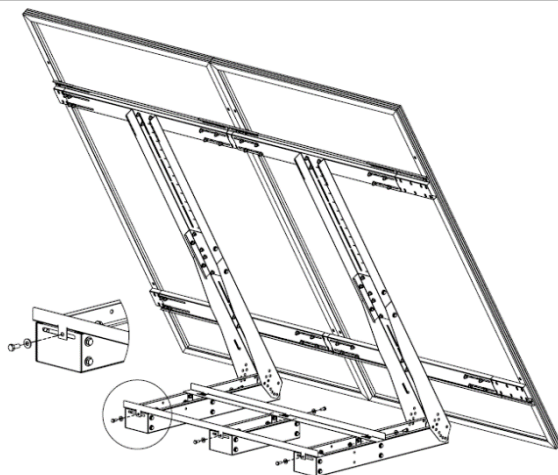
MONTAGGIO SUPPORTO PER LASTRE IN CEMENTO (OPZIONALE)

				
M8 X8	D8 X8	M8 X8	N°184 X2	N°183 X2



- Fissare i 2 profili angolari che supporteranno le lastre in cemento 40 x 40 cm.

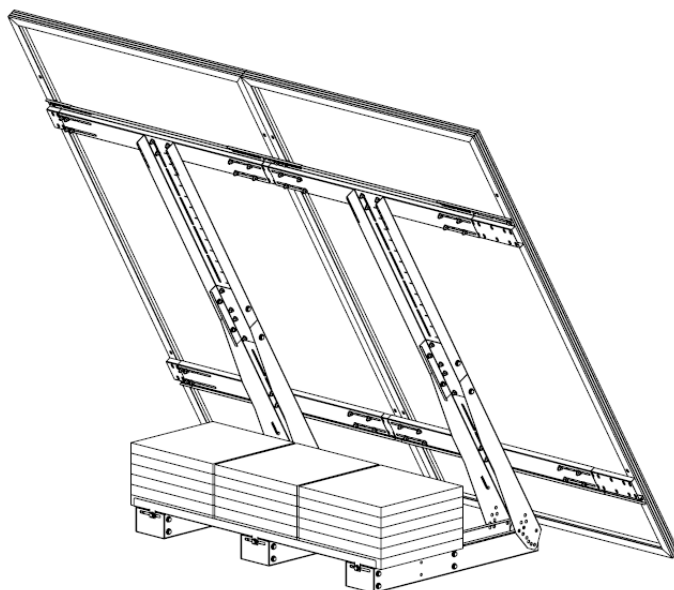
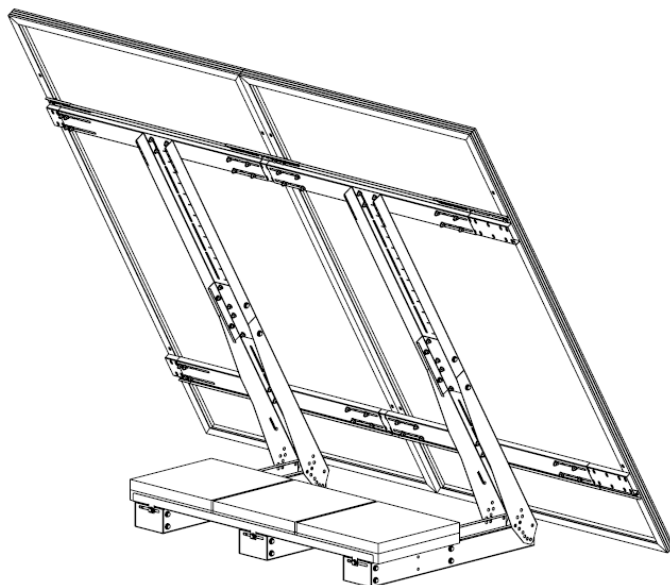
			
M8 X8	D8 X8	M8 X8	N°185 X2



MONTAGGIO SUPPORTO PER LASTRE IN CEMENTO (OPZIONALE)

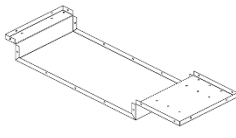
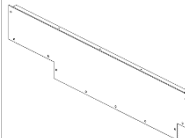
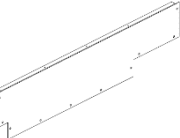
- Finalizzare la zavorra aggiungendo le lastre finché la zavorra sia sufficiente.

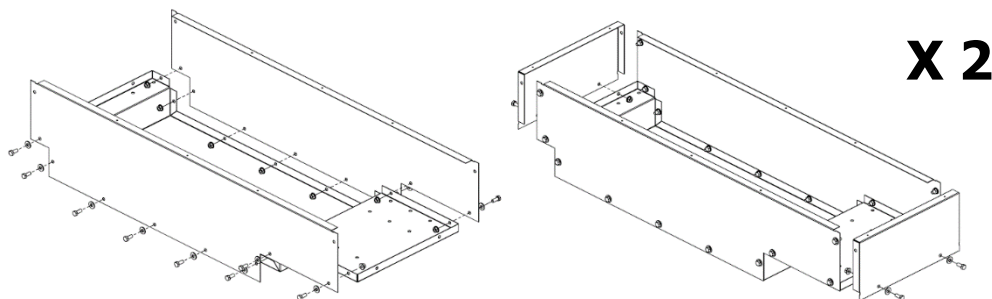
AVVISO: rispettare il limite massimo autorizzato per le dimensioni e il peso delle lastre (cfr. p.4).



MONTAGGIO SU CASSA DI ZAVORRA DISPARI (OPZIONALE)

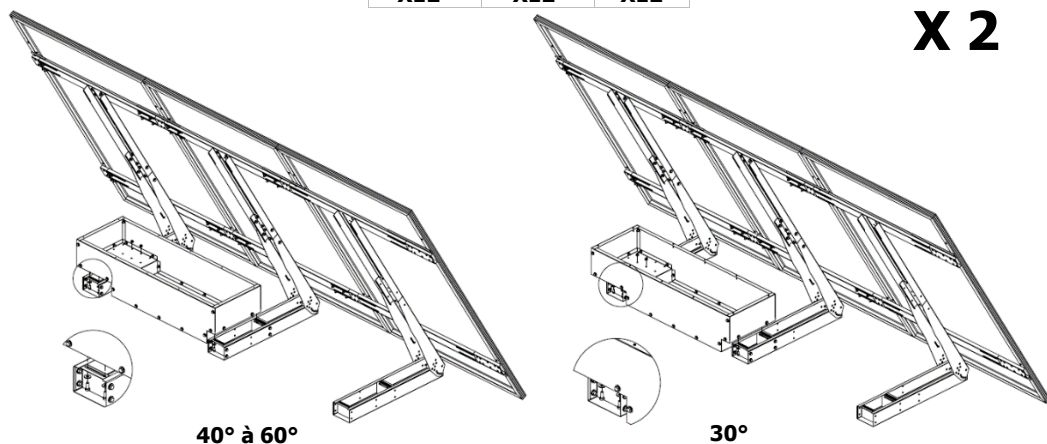
- Installare la cassa di zavorra con le viti in dotazione. Pre-serraggio per il montaggio e serraggio completo quando la cassa è completamente assemblata.

						
N°253 X2	N°246 X4	N°247 X2	N°254 X2	M8 X48	D8 X48	M8 X48



- A seconda dell'angolo di inclinazione, posizionare la cassa di zavorra sulle gambe del supporto UNIFIX 1200 EGF e fissarla. Se necessario, regolare la distanza tra le gambe dell'EGF. Dopo serrare tutte le viti.

		
M8 X12	D8 X12	M8 X12

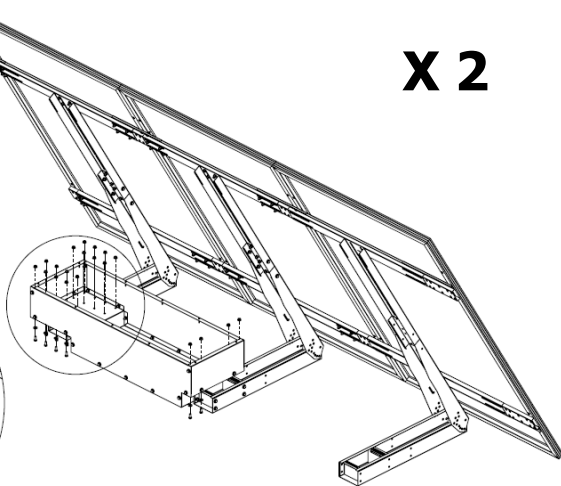
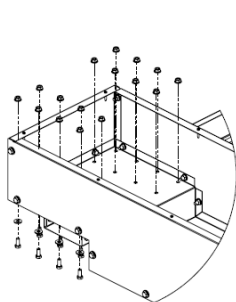


MONTAGGIO SU CASSA DI ZAVORRA DISPARI (OPZIONALE)

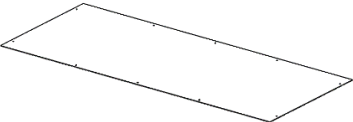
- Avvitare i fori rimanenti per evitare che la sabbia fuoriesca.

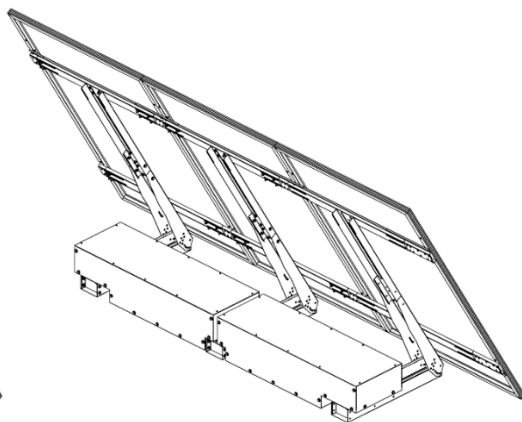
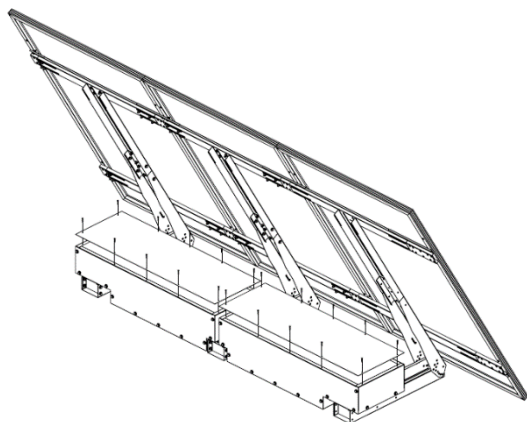
		
M8 X28	D8 X28	M8 X28

X 2



- Aggiungere la sabbia asciutta. Dopo chiudere la scatola avvitando il N°175.

	
X20	N°175 X2



GARANZIA

La garanzia copre difetti o vizi di fabbricazione per 2 anni, a partire dalla data di acquisto (pezzi e manodopera).

La garanzia non copre :

- la normale usura dei pezzi.
- scorretto montaggio.

In caso di difetto, restituire il prodotto al vostro distributore, con, in allegato :

- una prova di acquisto datata (scontrino, fattura...)
- una nota che spiega il difetto.

Attenzione : il nostro servizio post vendita non accetta restituzioni porto assegnato

Dopo la scadenza della garanzia, il nostro servizio post vendita garantisce i ripari dopo accettazione di un preventivo.

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34310 Montady -France

France mail : sav@uniteck.fr