

EN INSTALLATION INSTRUCTIONS

Free Standing Mounting System

ES INSTRUCCIONES DE MONTAJE

Estructura de montaje para tejado plano

IT ISTRUZIONI DI MONTAGGIO

Struttura di supporto per piano

EN Important Notes

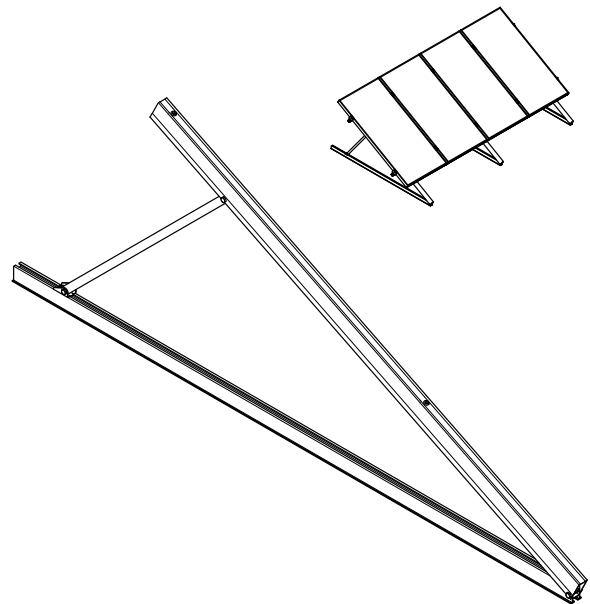
- The dimensioning of the mounting system (number of mounting triangles) should be specifically carried out for each individual project, following the specified structural engineering standards and regulations.
- Prerequisite for the proper application always is a solid mounting base that can accommodate the occurring forces (weight, wind and snow loads).
- The installation instructions of the solar module manufacturers must be adhered to.

ES Observaciones importantes

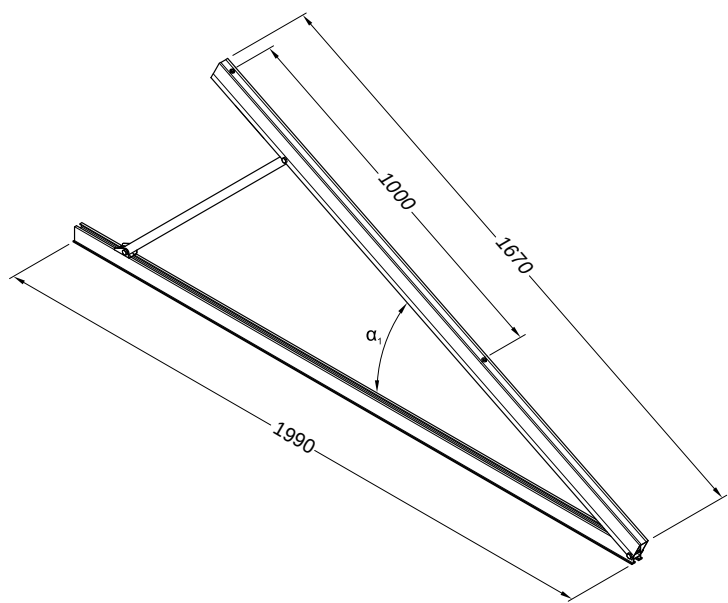
- Hay que realizar el dimensionamiento del sistema de montaje (número de triángulos) según cada proyecto y conforme con la normativa vigente.
- Comprobar las condiciones de suelo o tejado que va a soportar las fuerzas de nieve y viento.
- Las instrucciones de instalación del fabricante de los módulos deben ser cumplidas.

IT Informazioni importanti

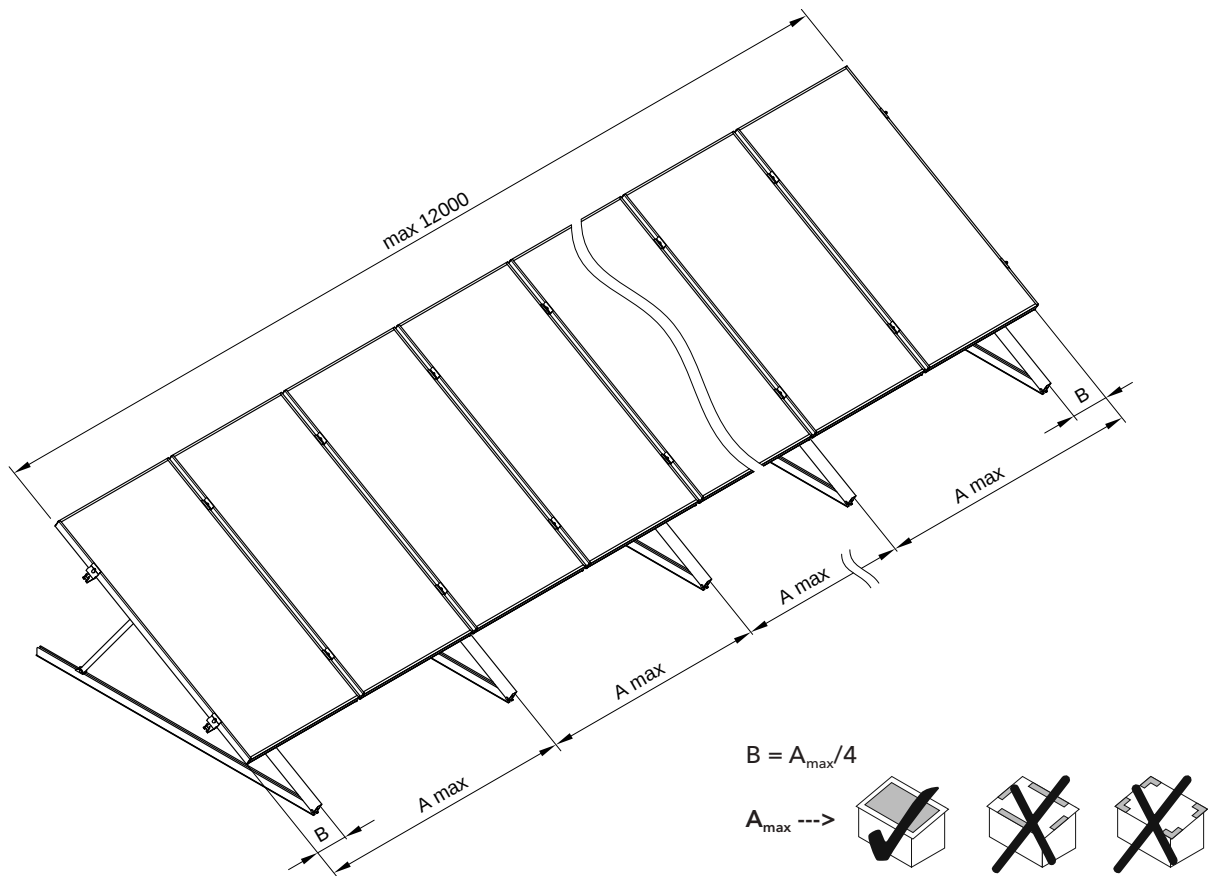
- Il dimensionamento del sistema di montaggio (Numero dei triangoli di supporto) deve essere eseguito considerando le norme rispettive.
- Deve essere garantita un'adeguata sottostruttura per il montaggio cioè di una sottostruttura in grado di sostenere le forze (peso proprio, carico di vento e di neve) che si verranno a creare.
- Rispettare le prescrizioni di montaggio del produttore dei moduli.

TRIC F

TRIC F



TRIC F	α_1
TRIC F 15	15°-22°
TRIC F 30	22°-38°
TRIC F 45	38°-60°



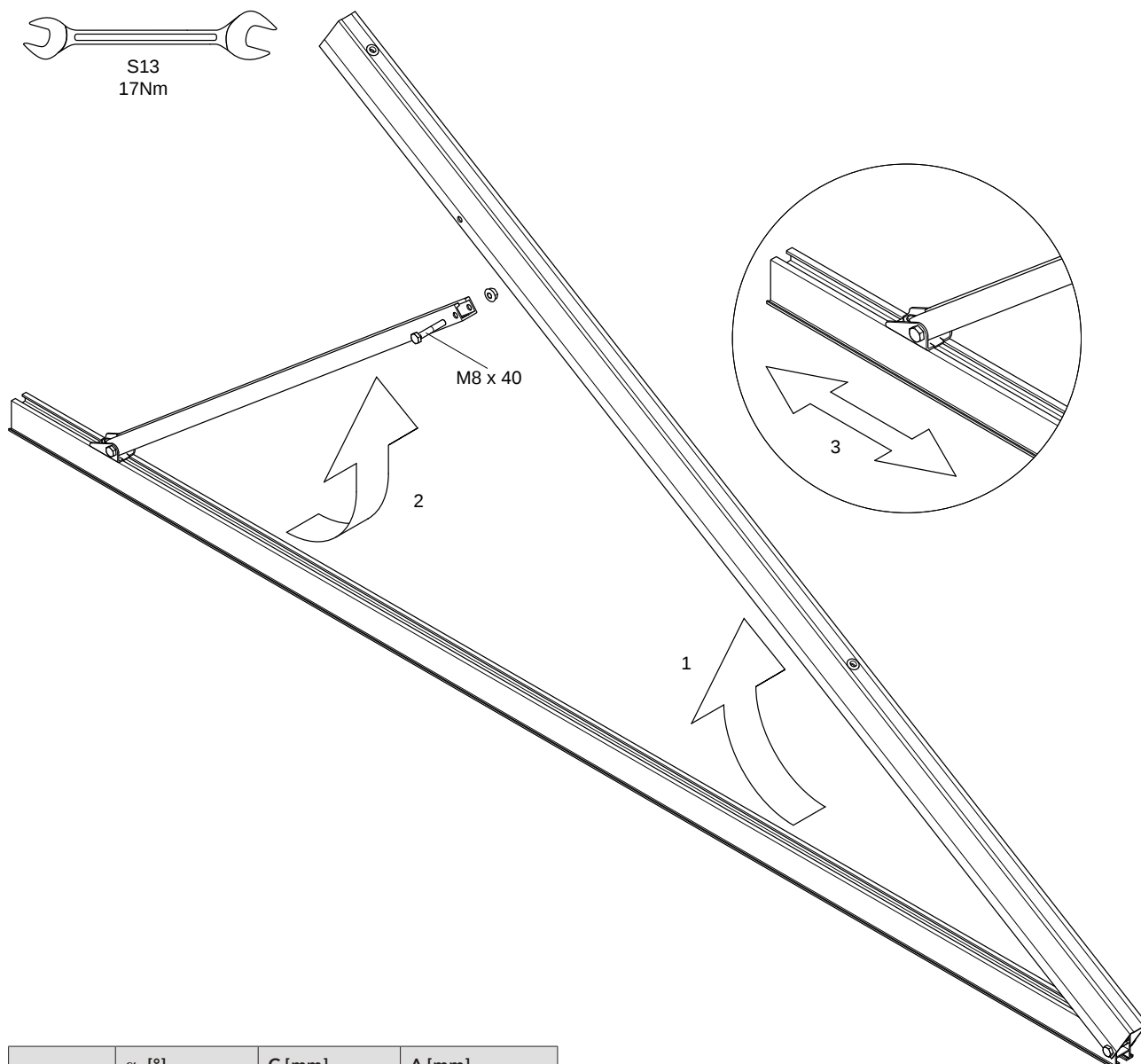
EN ES IT								
v_{ref} [m/s]	H = 0 - 300 m		H = 300 - 500 m		H = 500 - 700 m		H = 700 - 900 m	
	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	A_{max} [mm]
22,5	0,81	1.720	1,04	1.500	1,63	1.200	2,37	920
25,0	0,89	1.500	1,60	1.090	2,58	860	3,83	630
30,0	0,89	1.090	1,60	920	2,58	710	3,83	550
25,0	1,11	1.330	2,00	1.000	3,23	710	4,78	520
25,0	1,29	1.200	2,37	860	3,86	630	5,76	460
30,0	1,29	1.000	2,37	750	3,86	570	5,76	410

TRIC F 30° /  <10m

H = meters above sea level / metros sobre el nivel del mar / metri sul livello del mare

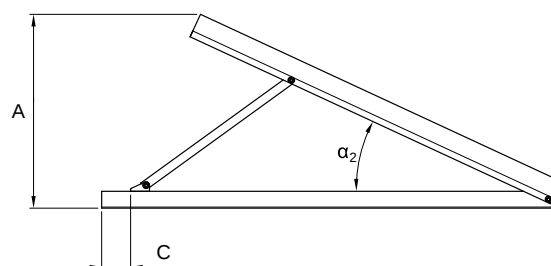
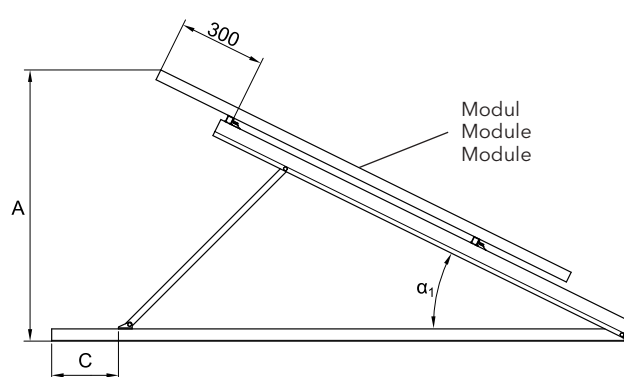
S_0 = ground snow load / carga de nieve en suelo / Carico di neve al suolo

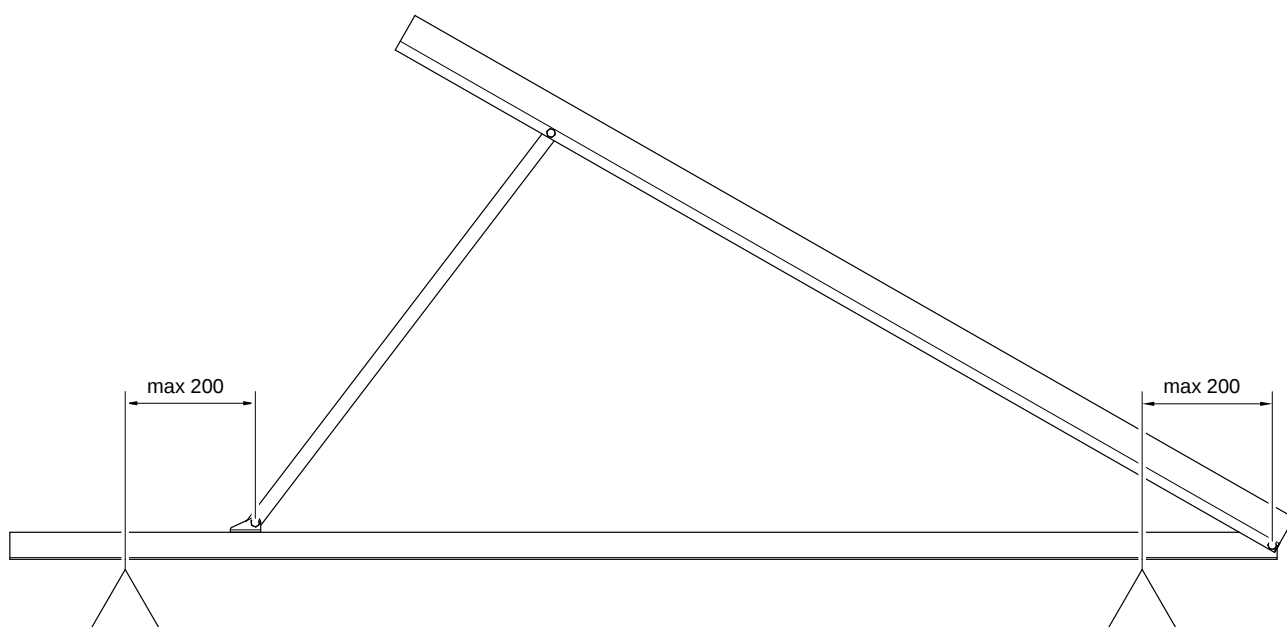
v_{ref} = reference wind speed / velocidad del viento de referencia / Velocità vento di riferimento



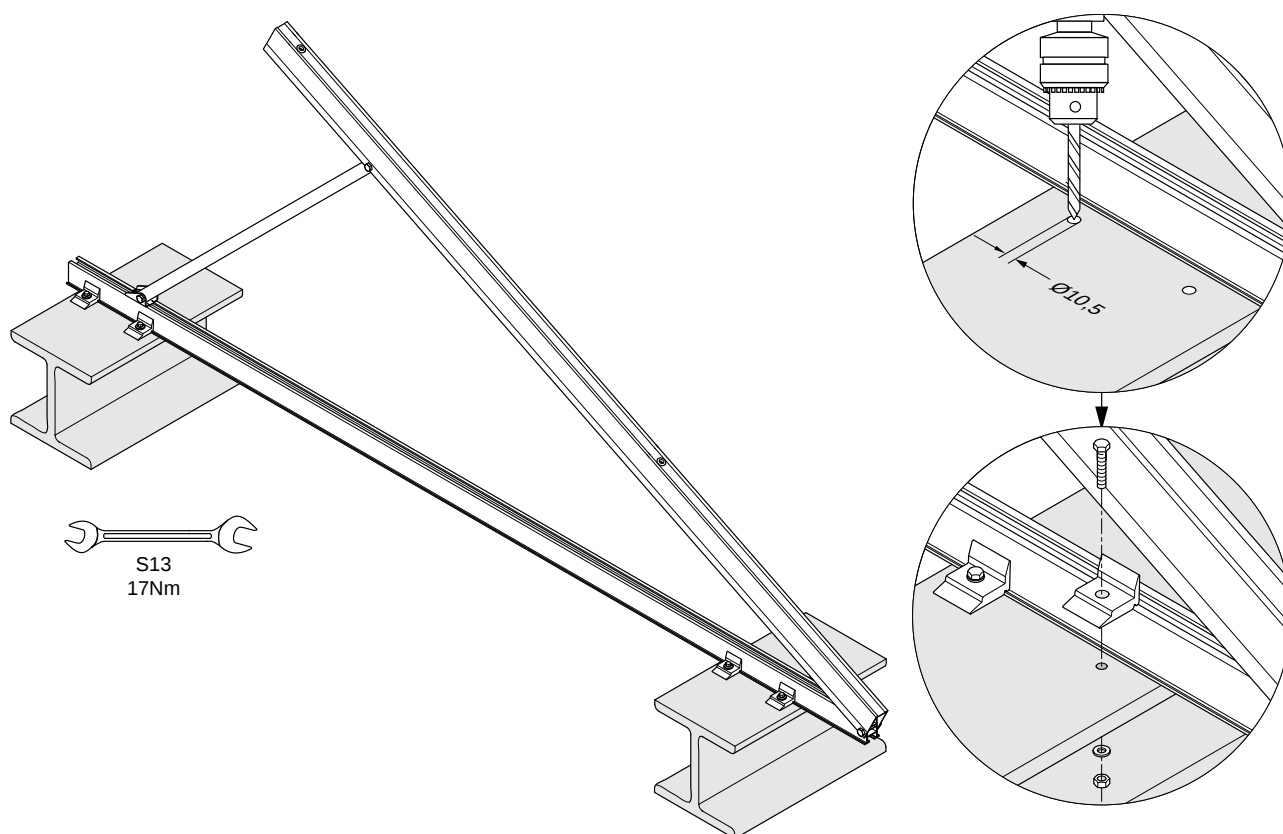
	α_1 [°]	C [mm]	A [mm]
TRIC F 15	10	168	500
	15	271	670
	20	464	820
TRIC F 30	25	105	970
	30	278	1.120
	35	525	1.250
TRIC F 45	40	89	1.378
	45	274	1.493
	50	486	1.597
	55	734	1.689
	60	1.071	1.768

	α_2 [°]	C [mm]	A [mm]
TRIC F Quer	20	16	470
	25	79	550
	30	159	620
	35	261	690
	40	403	760

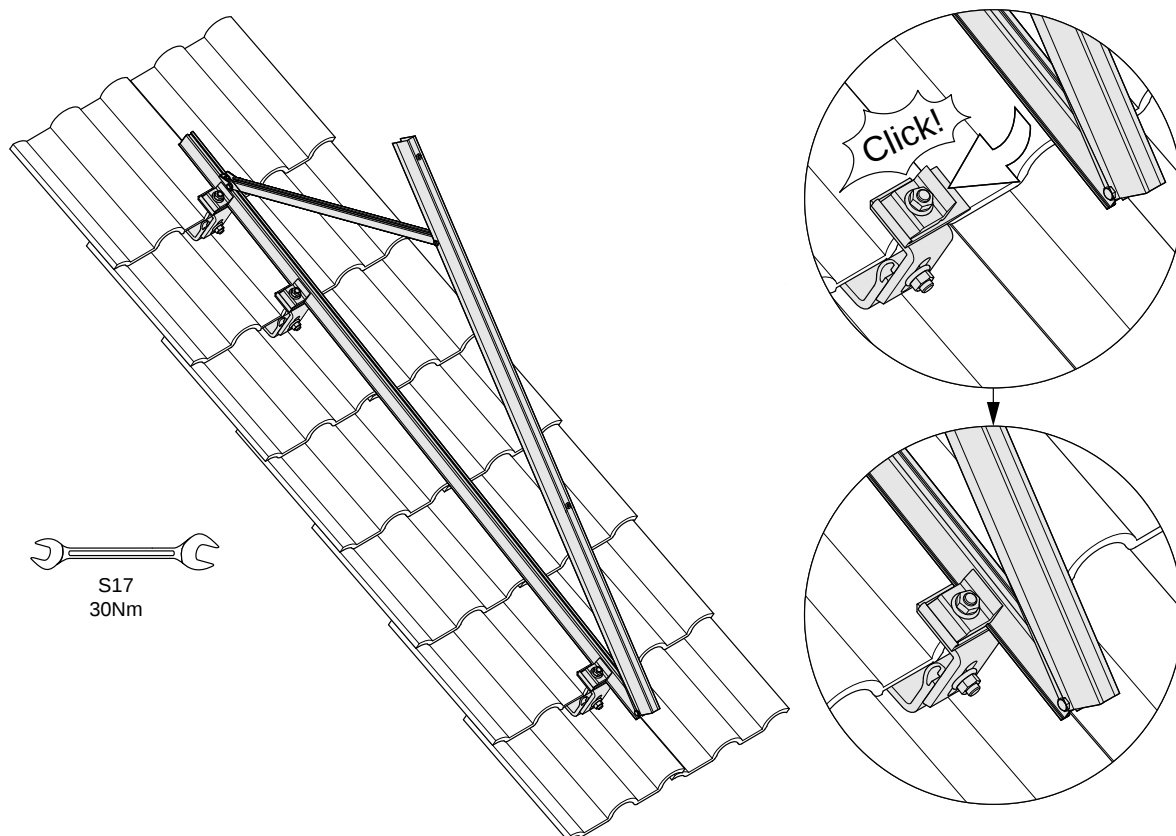




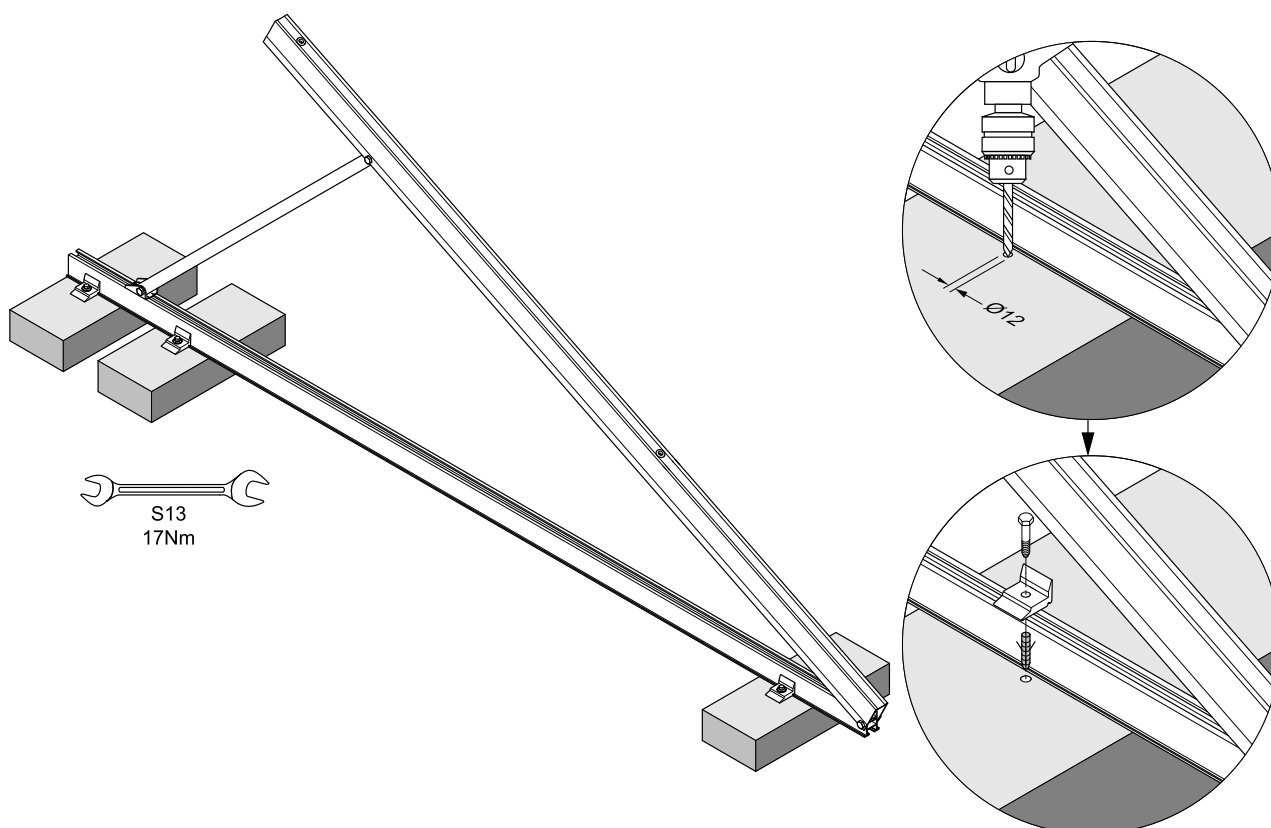
Mounting on steel beams / Montaje en vigas de acero / Installazione su portanti in acciaio



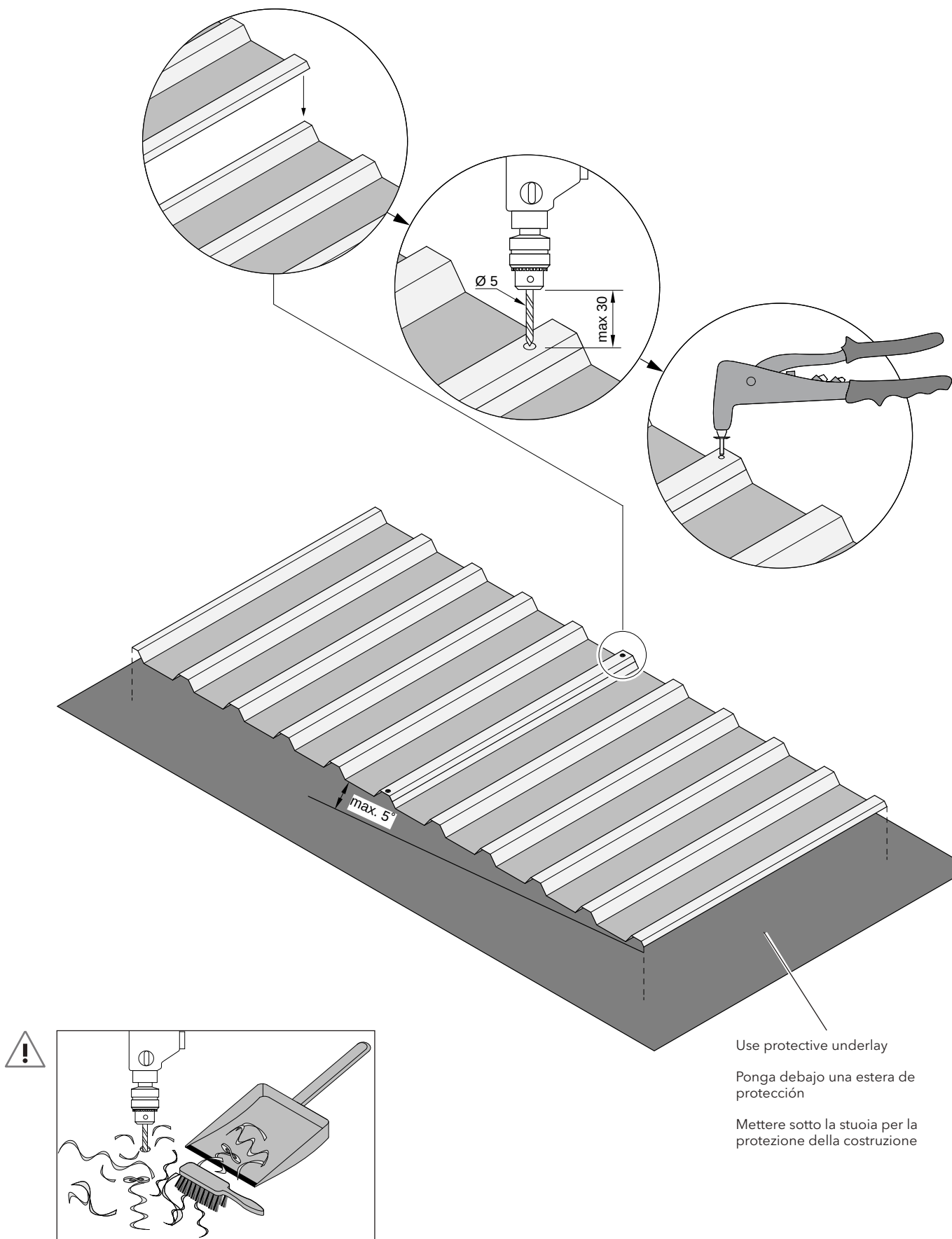
Mounting on pan tiles / Montaje en tejados de tejas / Installazione su coperture a tegole

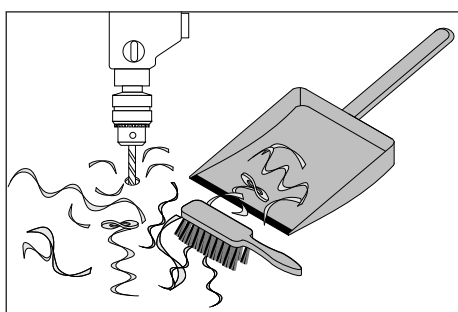
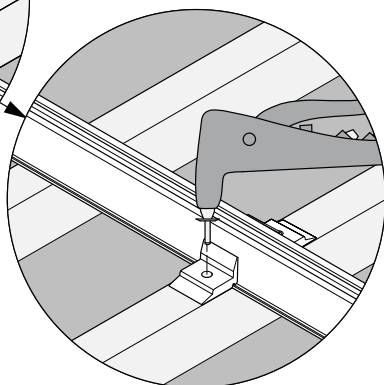
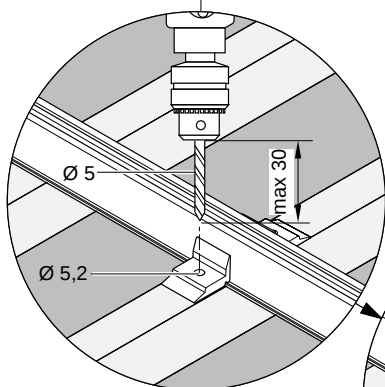
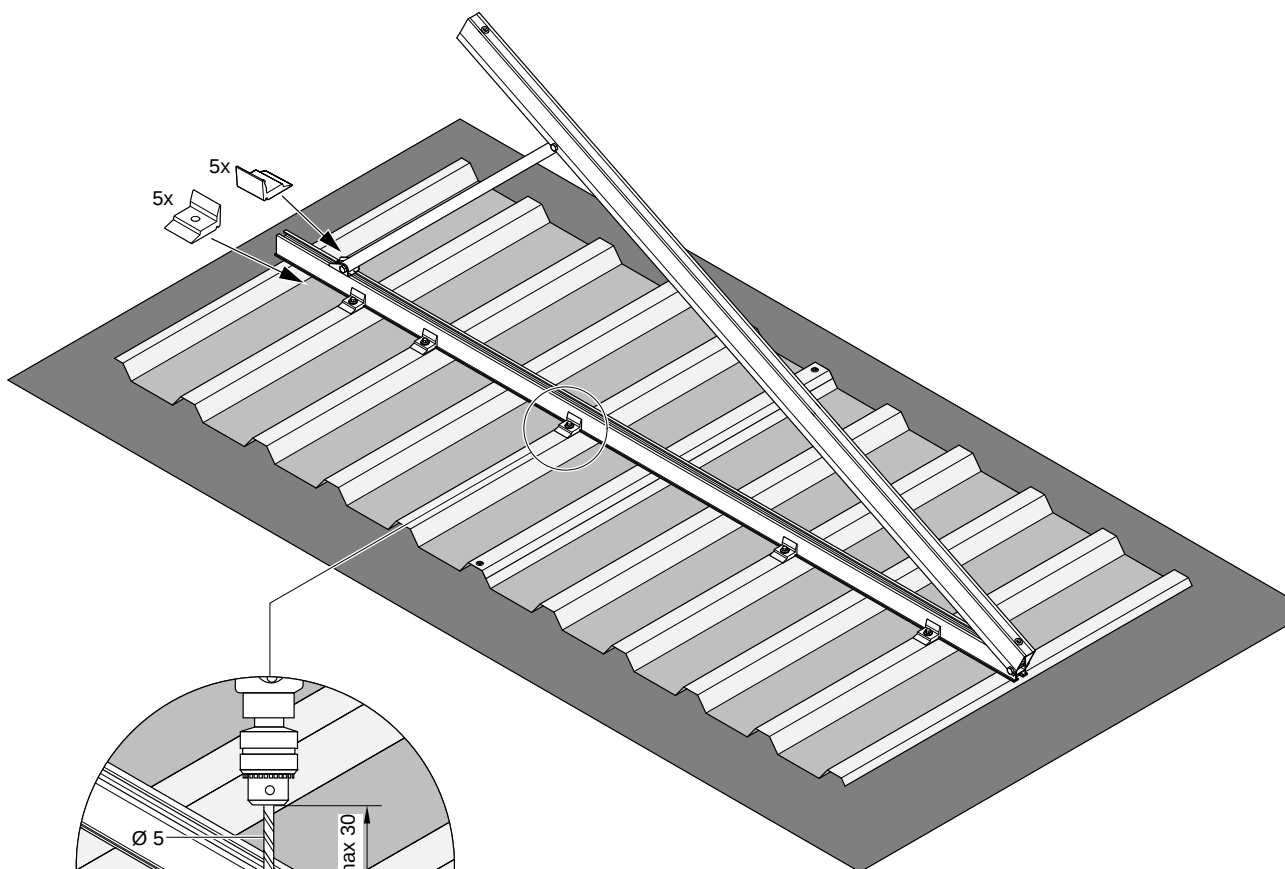


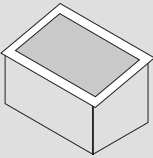
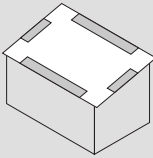
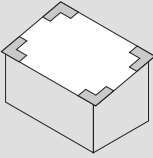
Mounting concrete bricks / Montaje en losas de hormigón / Installazione su blocchi di cemento



Mounting on gravel base plate set / Montaje en chapa de grava / Installazione su piastre portaghiaia

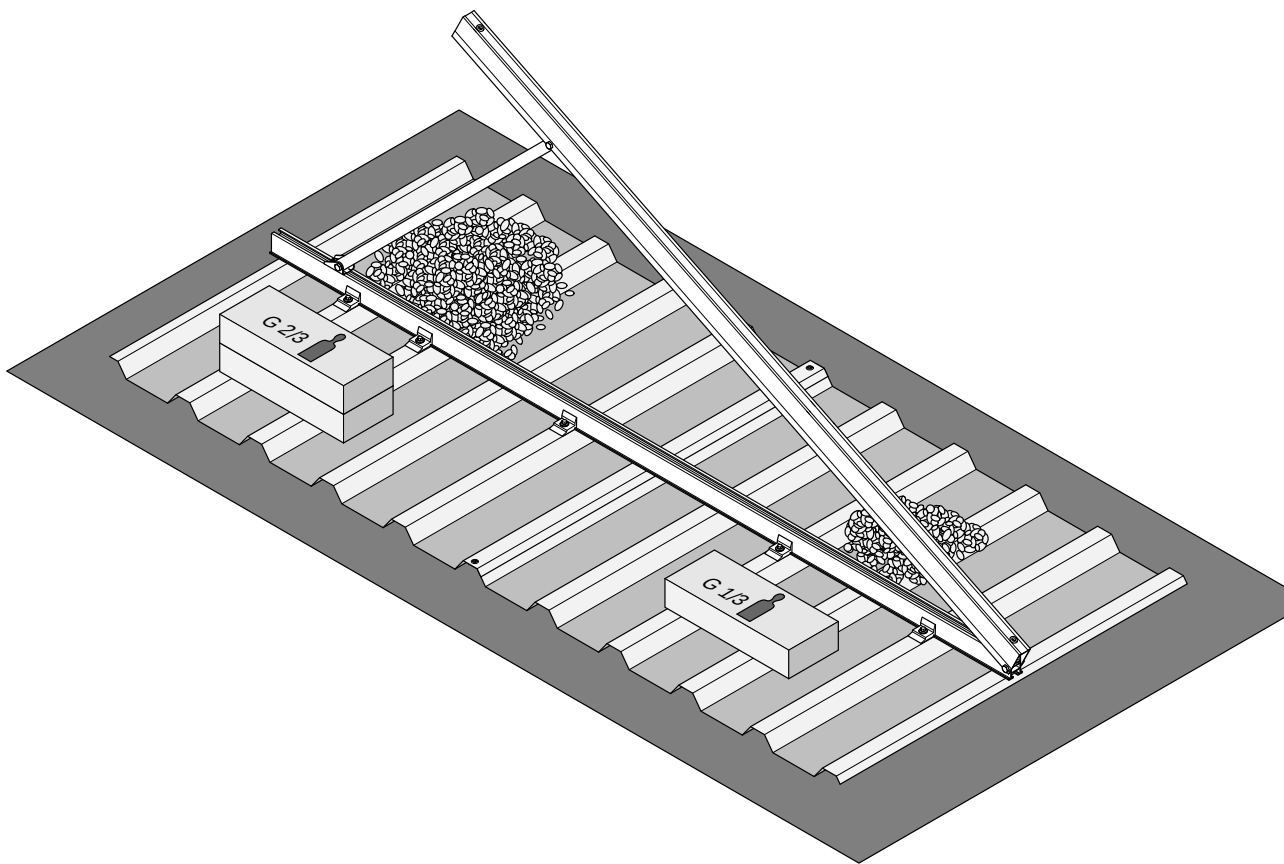




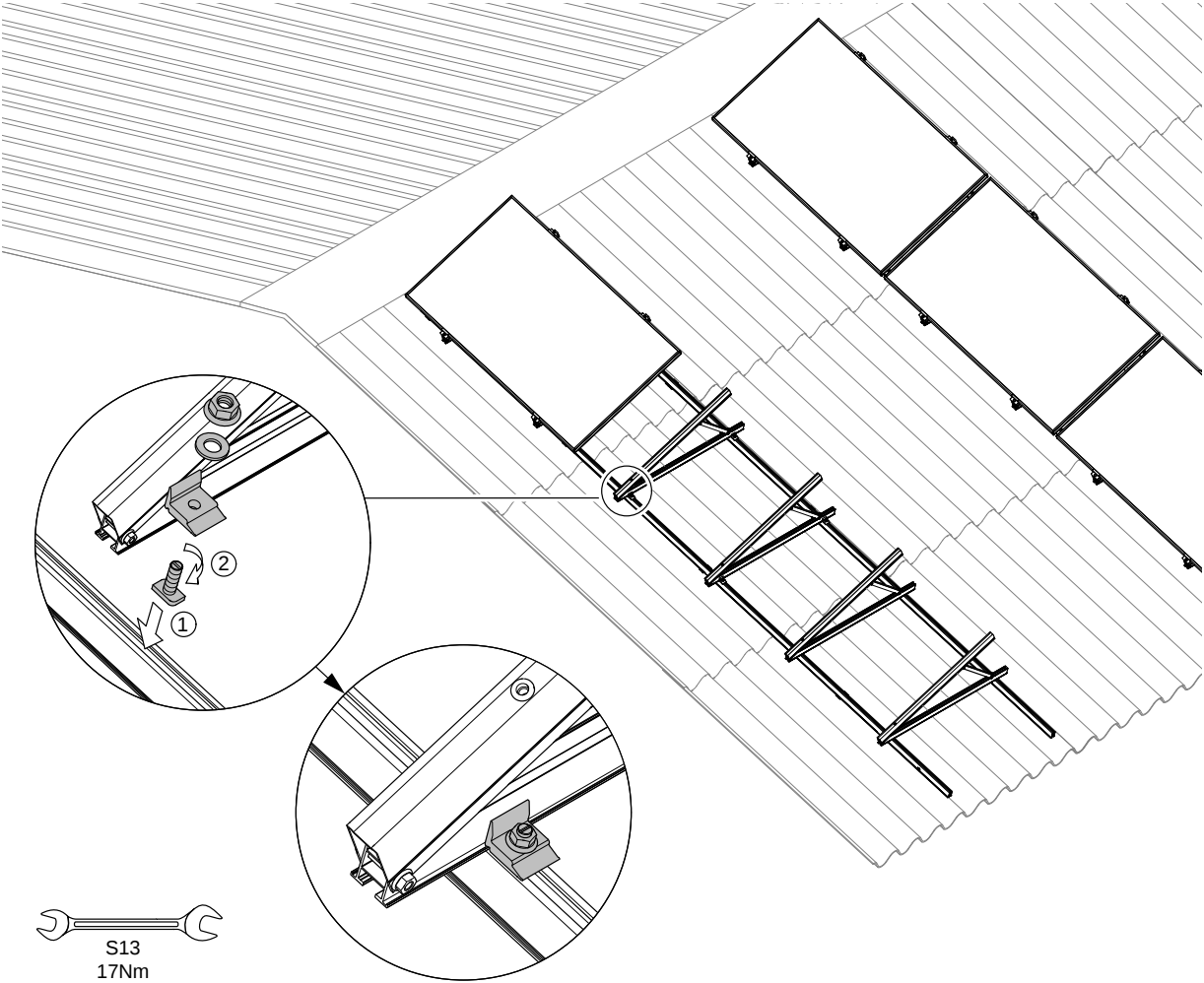
EN ES IT v_{ref} [m/s]	Gravel load / Carga de grava / Zavorra necessaria G [kg]		
			
22,5	105	172,5	232,5
25,0	135	217,5	285
27,5	172,5	270	352,5
30,0	210	330	427,5

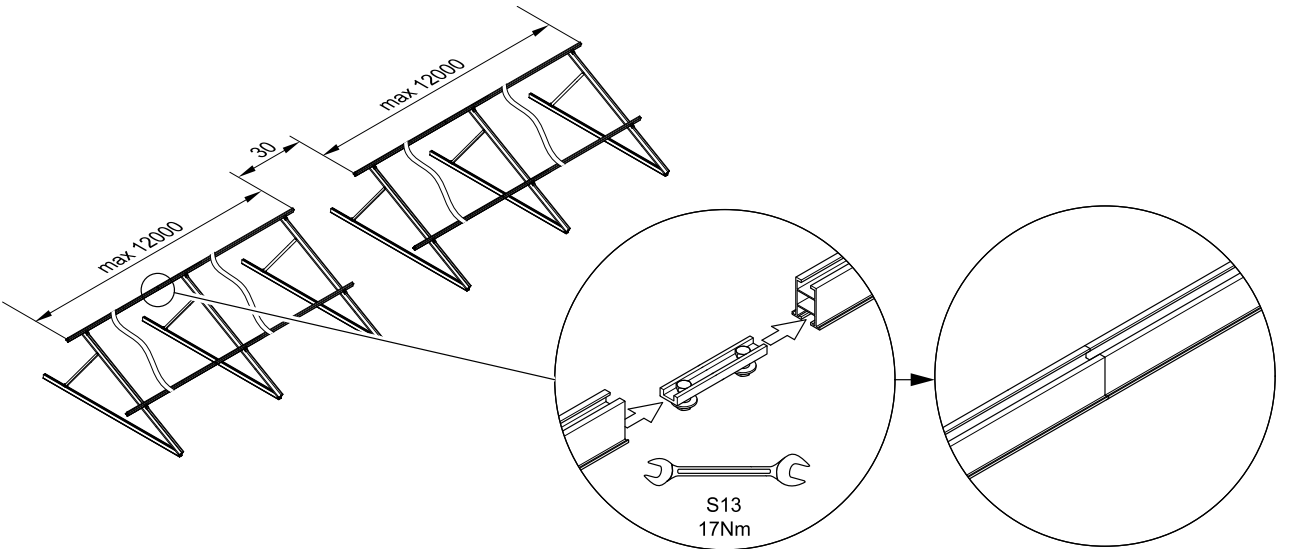
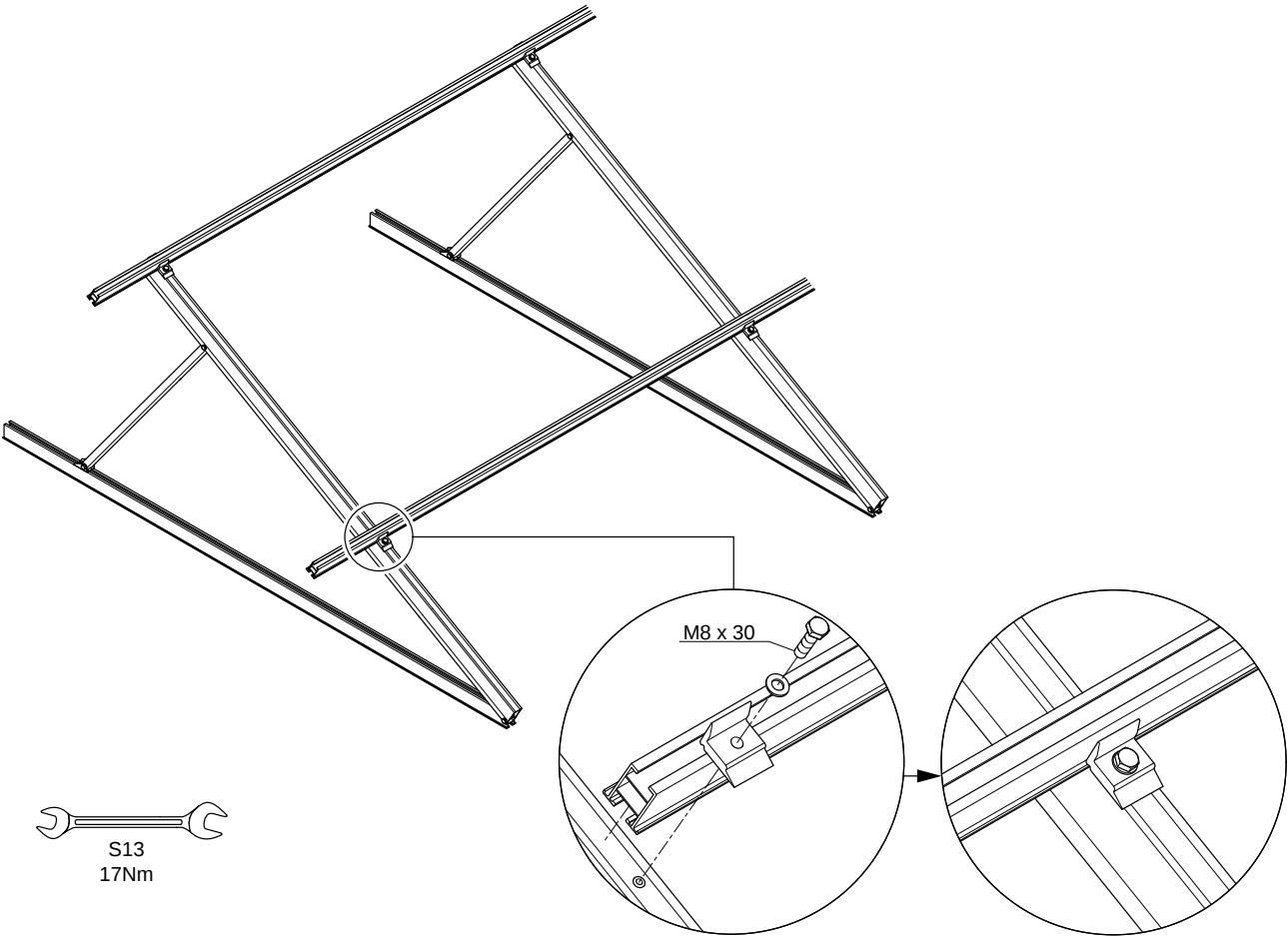
TRIC F 30° /  <10m /  < 800m (inland / interior / interno)

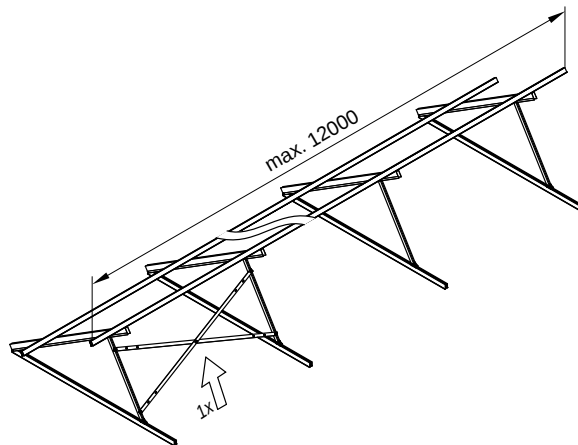
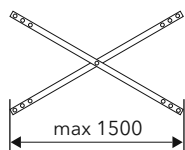
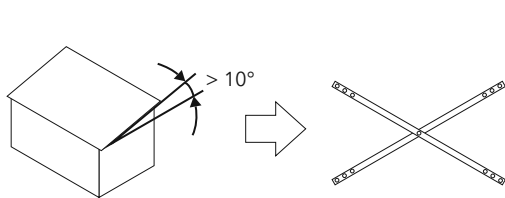
v_{ref} = reference wind speed / velocidad del viento de referencia / Velocità vento di riferimento
 G = Gravel load in kg per m² module surface, incl. safety factor acc. to DIN 1055-100
 Carga de grava en kg por m² superficie de módulo incl. coeficiente de seguridad según DIN 1055-100
 Zavorra necessaria in kg per m² di superficie moduli, considerati i coeff. di sicurezza secondo la Norma DIN 1055-100



Installation across the roof pitch / Instalación transversal a la inclinación del techo / Installazione perpendicolare alla pendenza della falda







S13
17Nm

