

DE TECHNISCHE INFORMATION / MONTAGEANLEITUNG

Freiaufstellungs-Montagesystem TRIC F

FR INFORMATIONS TECHNIQUE / INSTRUCTIONS DE MONTAGE

Montage sur châssis TRIC F

NL TECHNISCHE INFORMATIE / MONTAGEHANDLEIDING

Montagesysteem voor vrije opstelling TRIC F

DE **Wichtige Hinweise**

- Die Auslegung des Montagesystems (Anzahl der Montagedreiecke) ist projektbezogen entsprechend den vorgegebenen Normen (DIN1055-4 und -5, Wind- und Schneelasten an Gebäuden) durchzuführen. Die Auslegung wird in einer getrennten Technischen Information „Statische Auslegung Montagesysteme“ detailliert beschrieben.
- Voraussetzung für den bestimmungsgemäßen Einsatz ist immer ein geeigneter Befestigungsuntergrund, der die auftretenden Kräfte (Gewichtslast, Wind und Schneelast) aufnehmen kann.
- Die Montagevorschriften der Solarmodulhersteller sind einzuhalten.

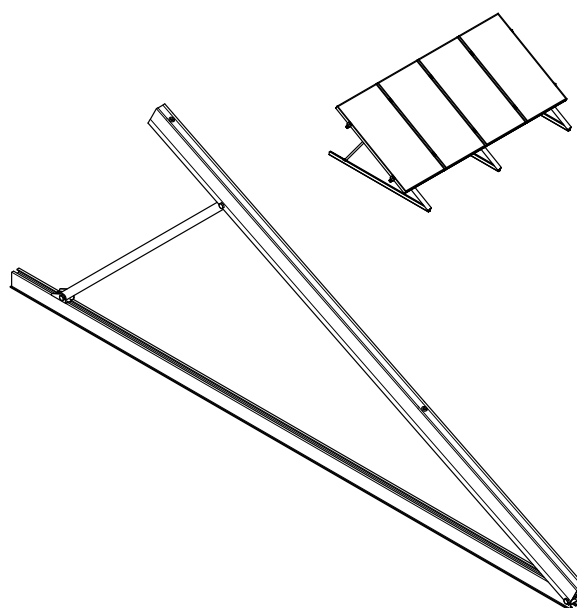
FR **INote importante**

- Le dimensionnement du système de fixation (nombre des triangles d'appui) doit être calculé en fonction des données du projet et devra satisfaire aux normes spécifiés.
- Une structure de base appropriée pouvant résister aux efforts en présence (poids, vent et neige) représente la condition préalable au respect des normes.
- Respectez les instructions de montage du constructeur des modules solaires.

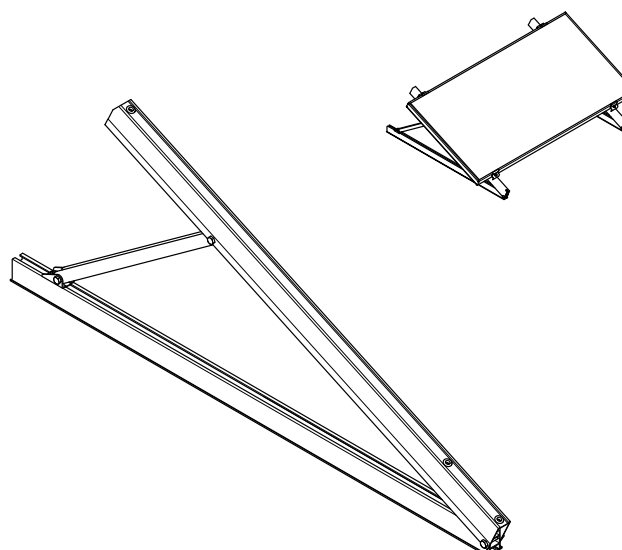
NL **Belangrijke aanwijzingen**

- De configuratie van het montagesysteem (aantal dakankers, draagwijdte van de profielstangen) is projectgebonden volgens de geldige normen en voorschriften voor wind- en sneeuwlasten aan gebouwen, uit te voeren. (EN 1991 - 3 en EN 1991-1 - 4) De configuratie wordt in een aparte technische informatie (statische configuratie van montagesystemen) in detail omschreven.
- Voorwaarde voor een reglementaire installatie is altijd een geschikte bevestigingsondergrond, die in staat is de optredende krachten (gewichtbelasting, wind- en sneeuwbelasting) op te vangen.
- De installateur moet zich houden aan de montagevoorschriften van de fabricant van de zonnepanelen.

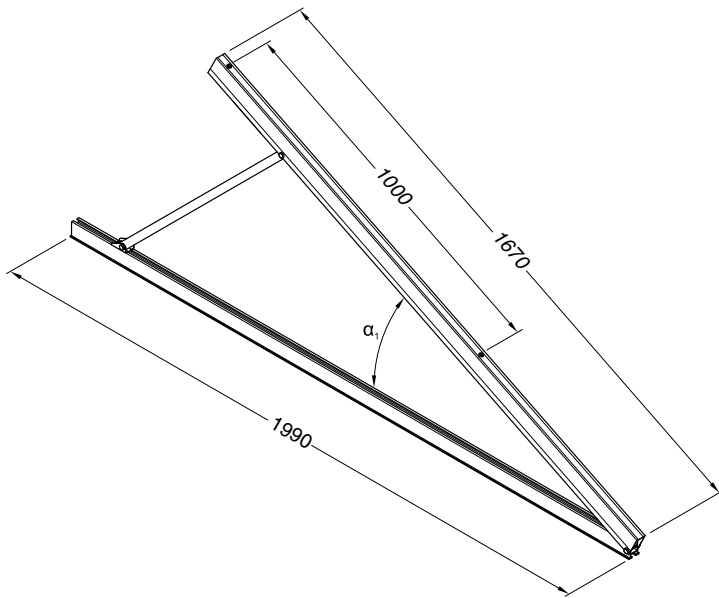
TRIC F



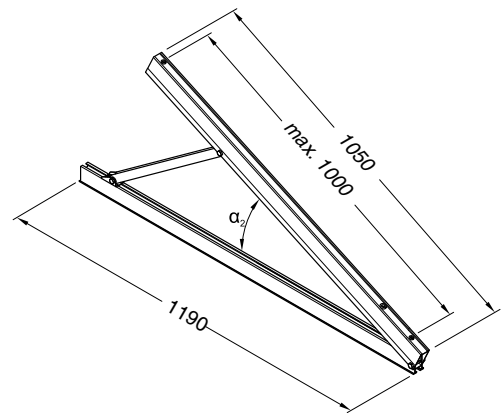
TRIC F Quer



TRIC F

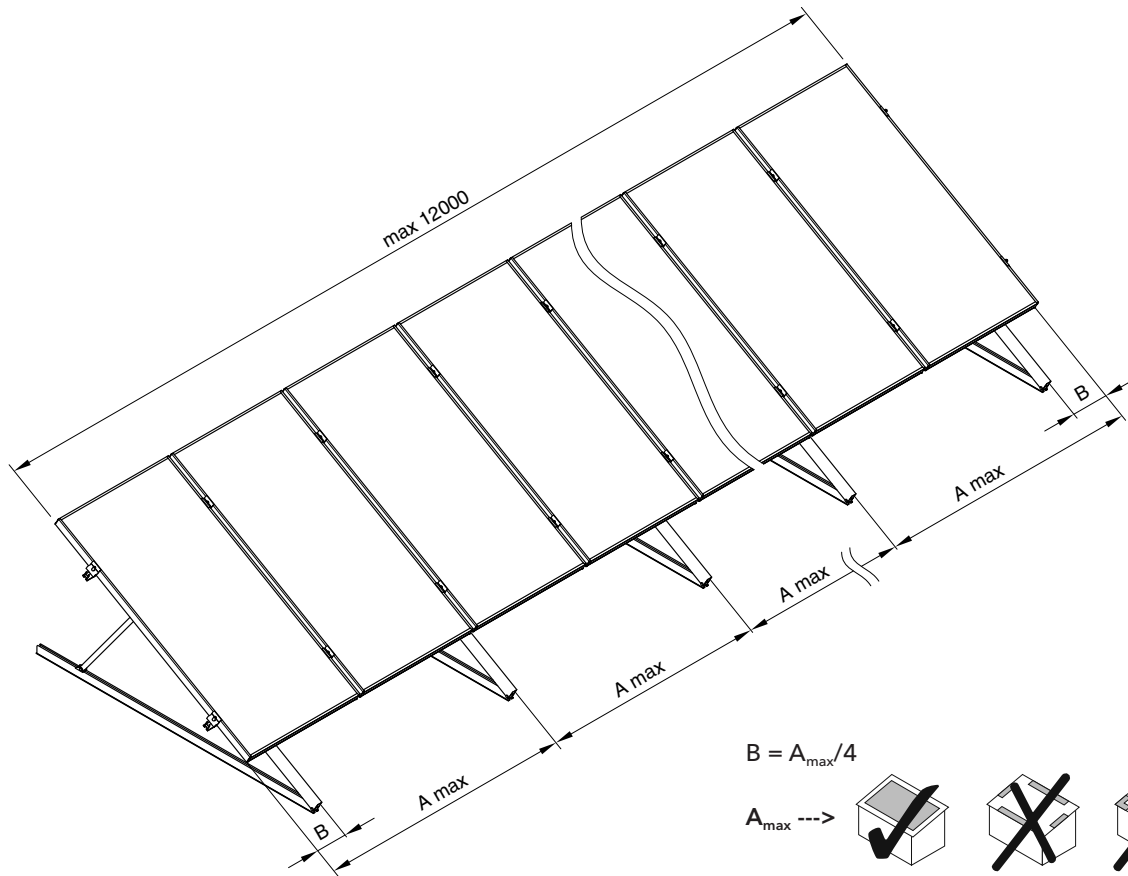


TRIC F Quer



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

TRIC F Quer	α_2
	18° - 43°

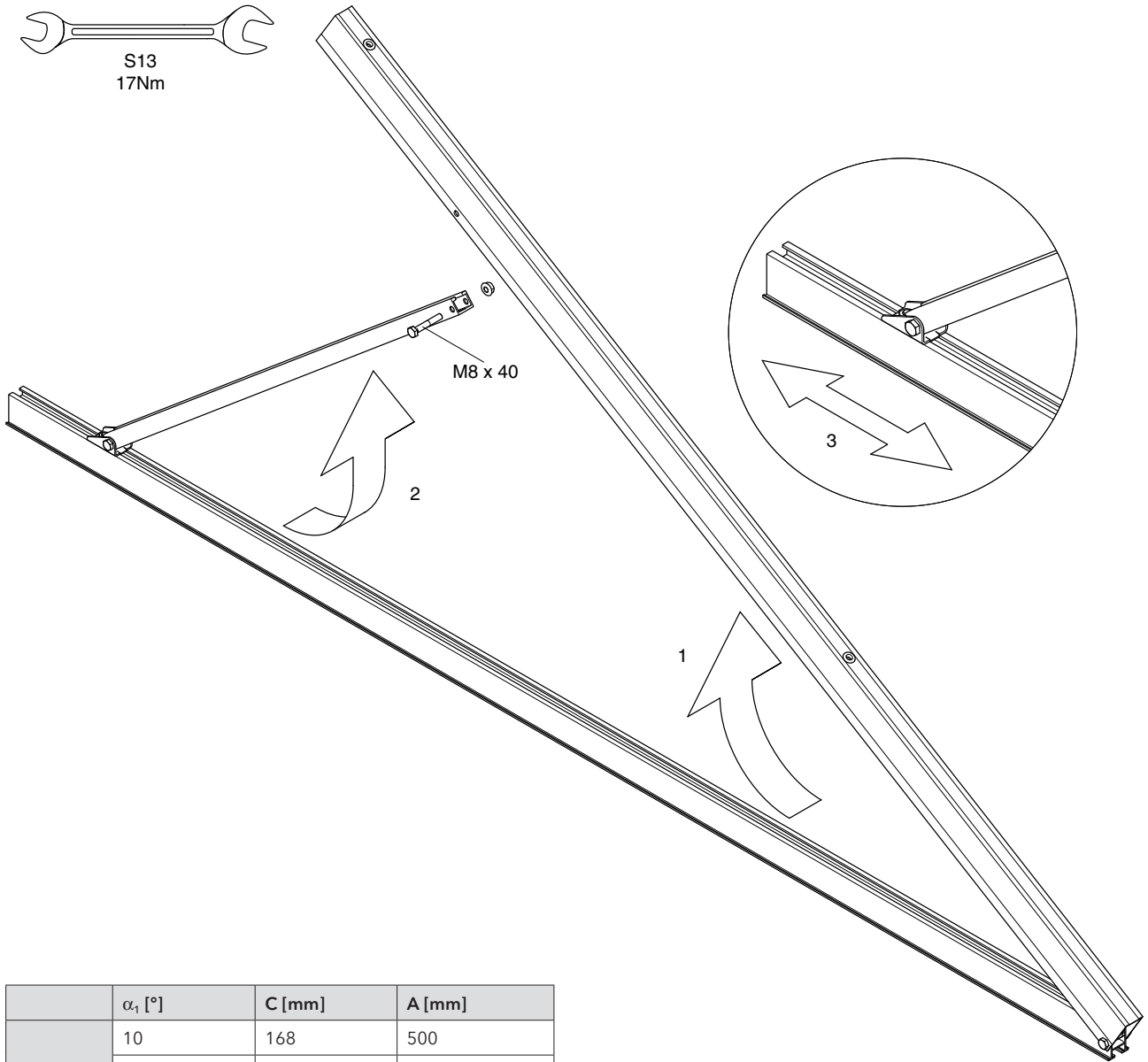
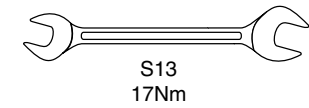


(DE)					
SLZ	WZ	H = 0 - 300 m	H = 300 - 500 m	H = 500 - 700 m	H = 700 - 900 m
		A_{\max} [mm]	A_{\max} [mm]	A_{\max} [mm]	A_{\max} [mm]
1a	1	1.720	1.500	1.200	920
2	2	1.500	1.090	860	630
2	4	1.090	920	710	550
2a	2	1.330	1.000	710	520
3	2	1.200	860	630	460
3	4	1.000	750	570	410

TRIC F 30° / <10m H = Höhe über NN / SLZ/WZ = Schneelastzonen/Windzonen

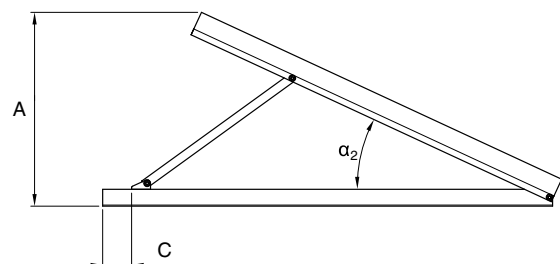
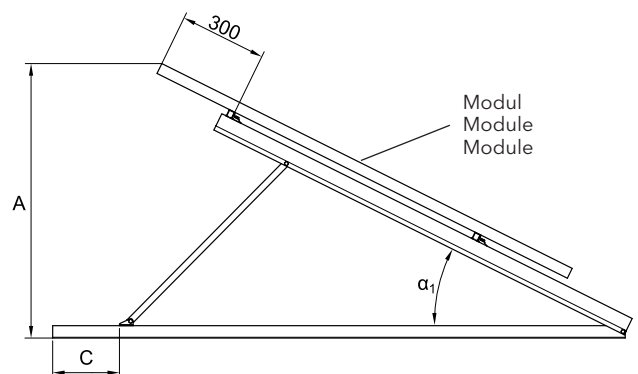
(FR) (NL)								
v_{ref} [m/s]	H = 0 - 300 m		H = 300 - 500 m		H = 500 - 700 m		H = 700 - 900 m	
	S_0 [kN/m ²]	A_{\max} [mm]	S_0 [kN/m ²]	A_{\max} [mm]	S_0 [kN/m ²]	A_{\max} [mm]	S_0 [kN/m ²]	A_{\max} [mm]
22,5	0,81	1.720	1,04	1.500	1,63	1.200	2,37	920
25,0	0,89	1.500	1,60	1.090	2,58	860	3,83	630
30,0	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

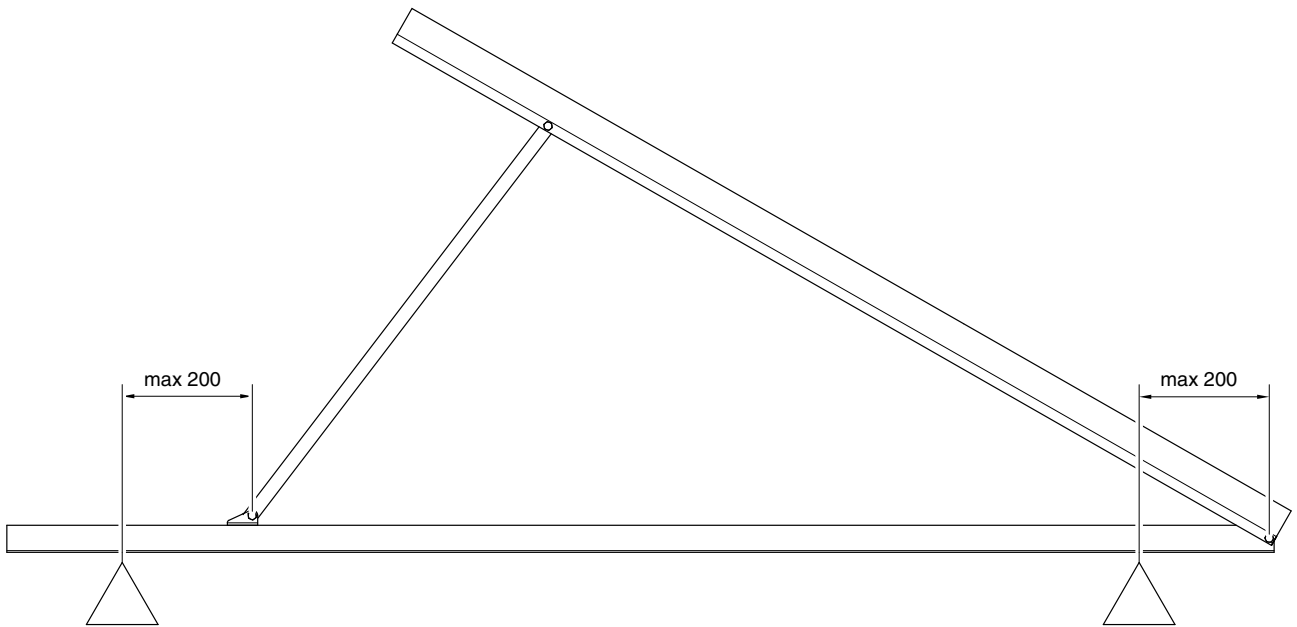
TRIC F 30° / <10m
H = mètres d'altitude / hoogte over de zeespiegel
 S_0 = charge de neige sur le sol / bodem sneeuwlast
 v_{ref} = vitesse de vent de référence / referentie windsnelheid



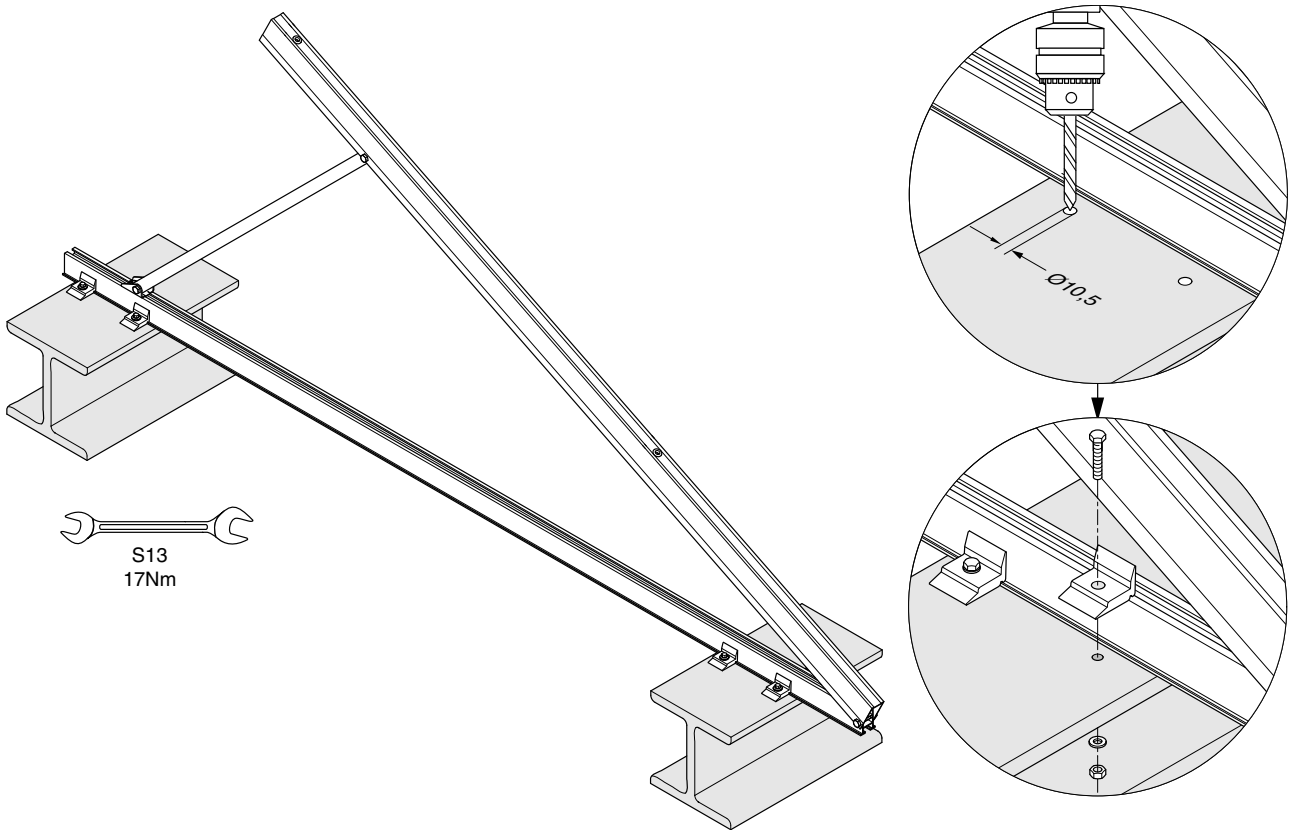
	α_1 [°]	C [mm]	A [mm]
TRIC F 15	10	168	500
	15	271	670
	20	464	820
TRIC F 30	25	105	970
	30	278	1.120
	35	525	1.250
TRIC F 45	40	89	1.378
	45	274	1.493
	50	486	1.597
	55	734	1.689
	60	1.071	1.768

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

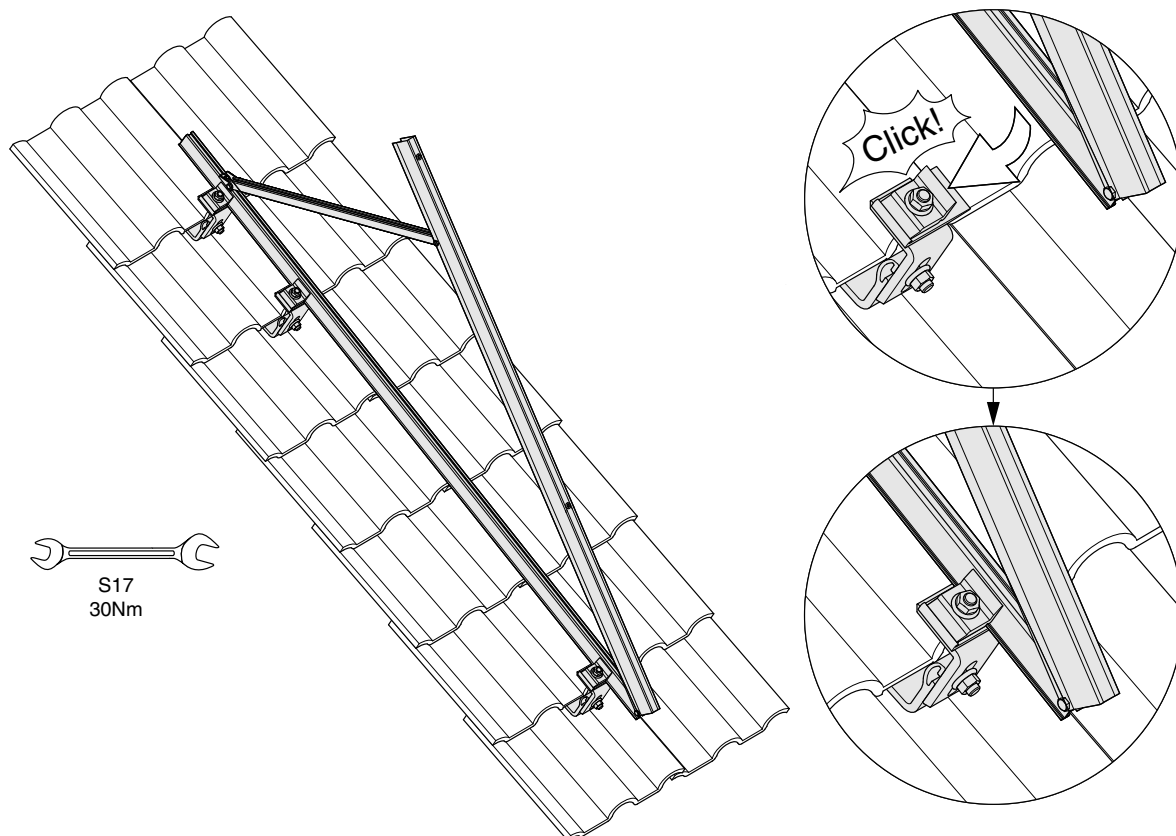




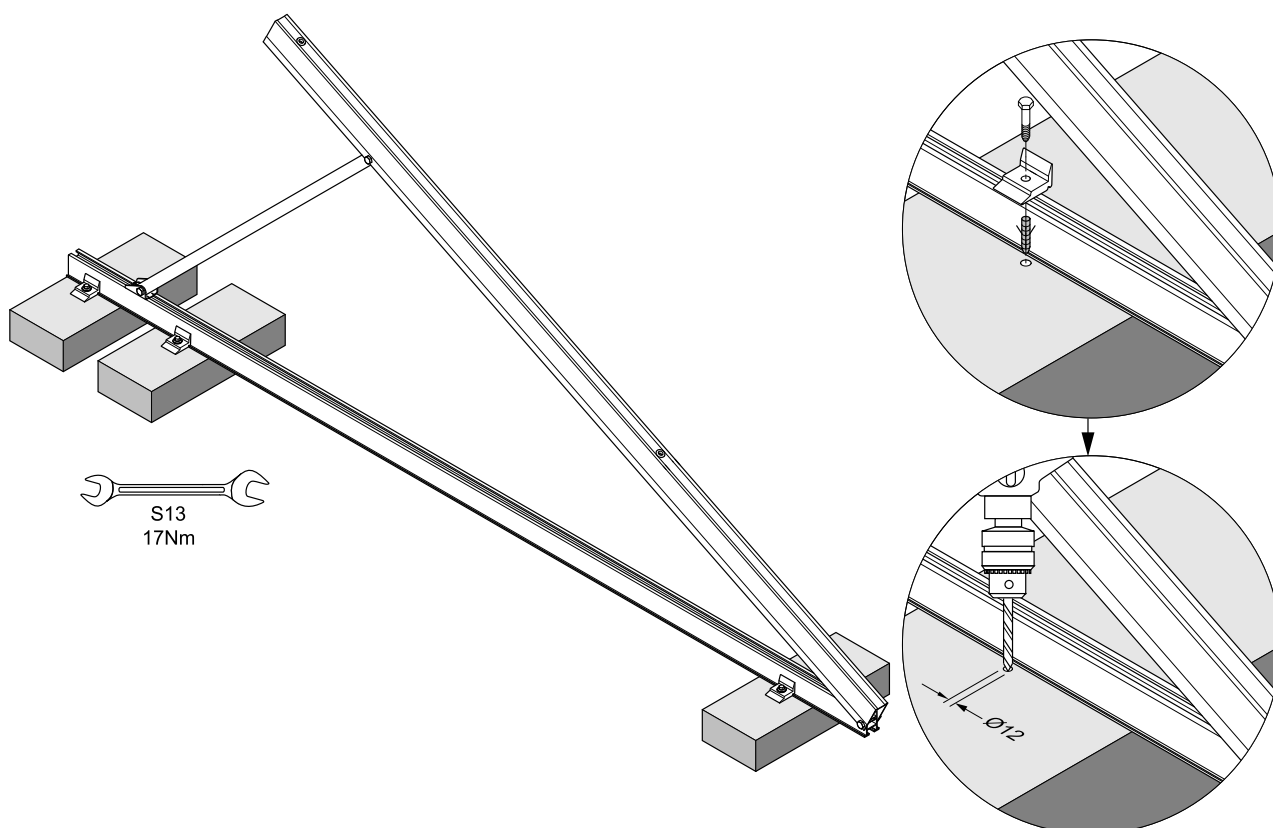
Montage auf Stahlträgern / Montage sur poutrelles d'acier / Montage op staalbalken



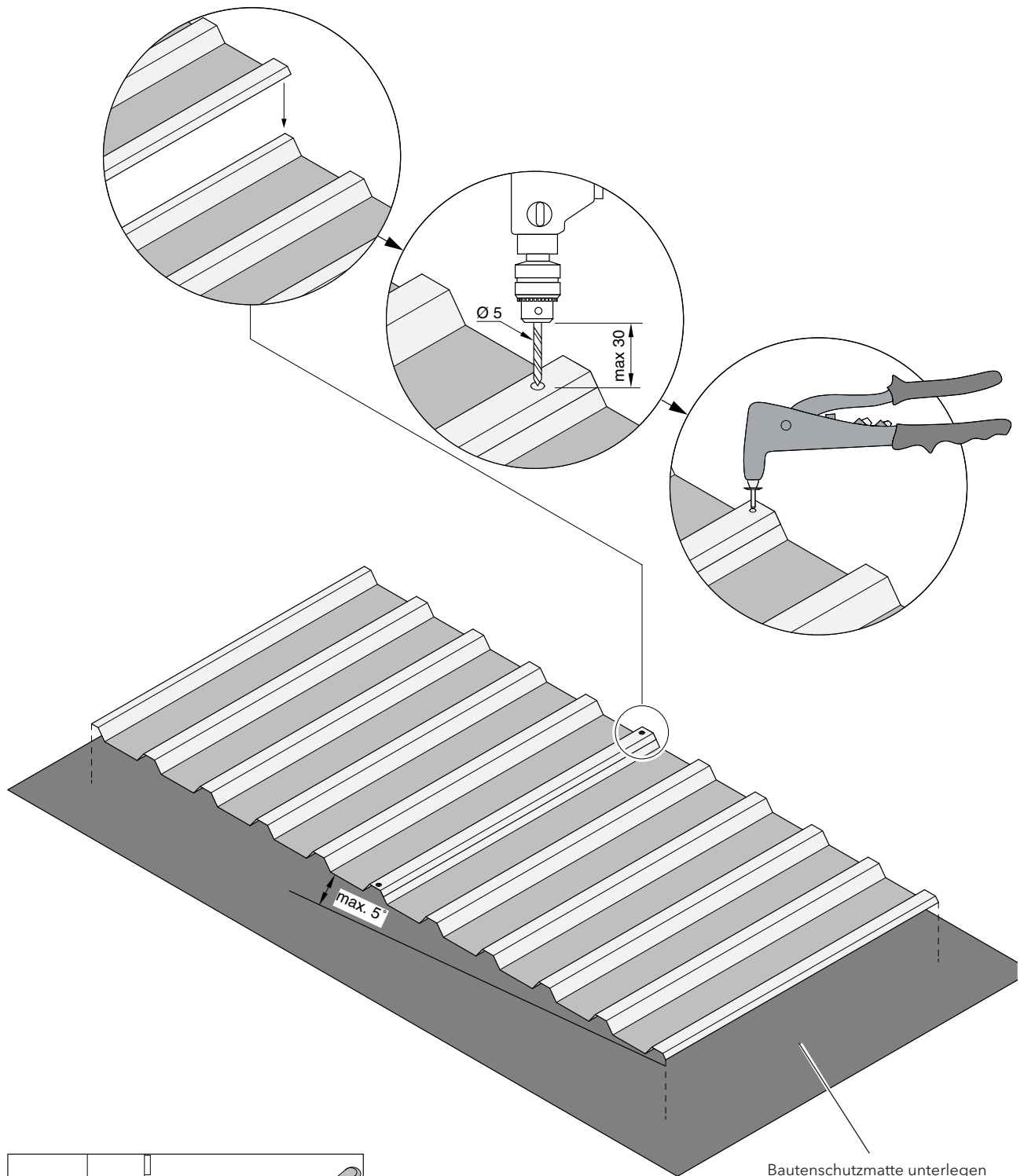
Montage auf Ziegeldächern / Montage sur toits en tuiles mécanique / Montage op een pannendak



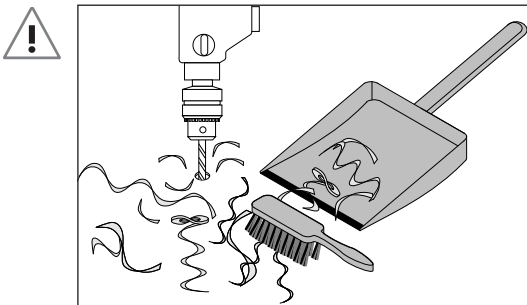
Montage auf Betonsteinen / Montage sur pavés en béton / Montage op betonblokken

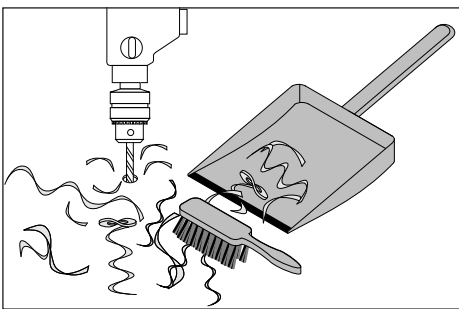
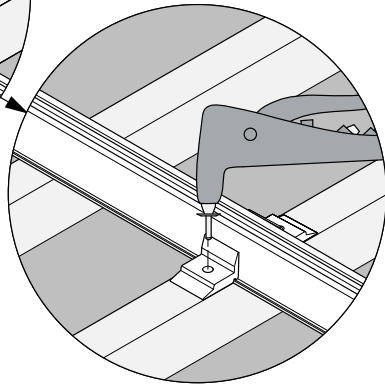
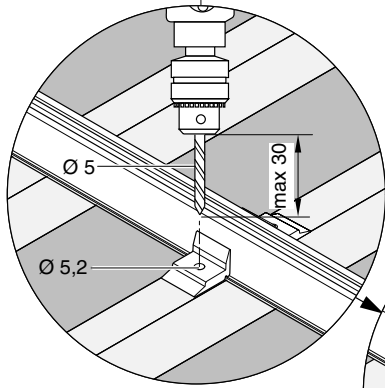
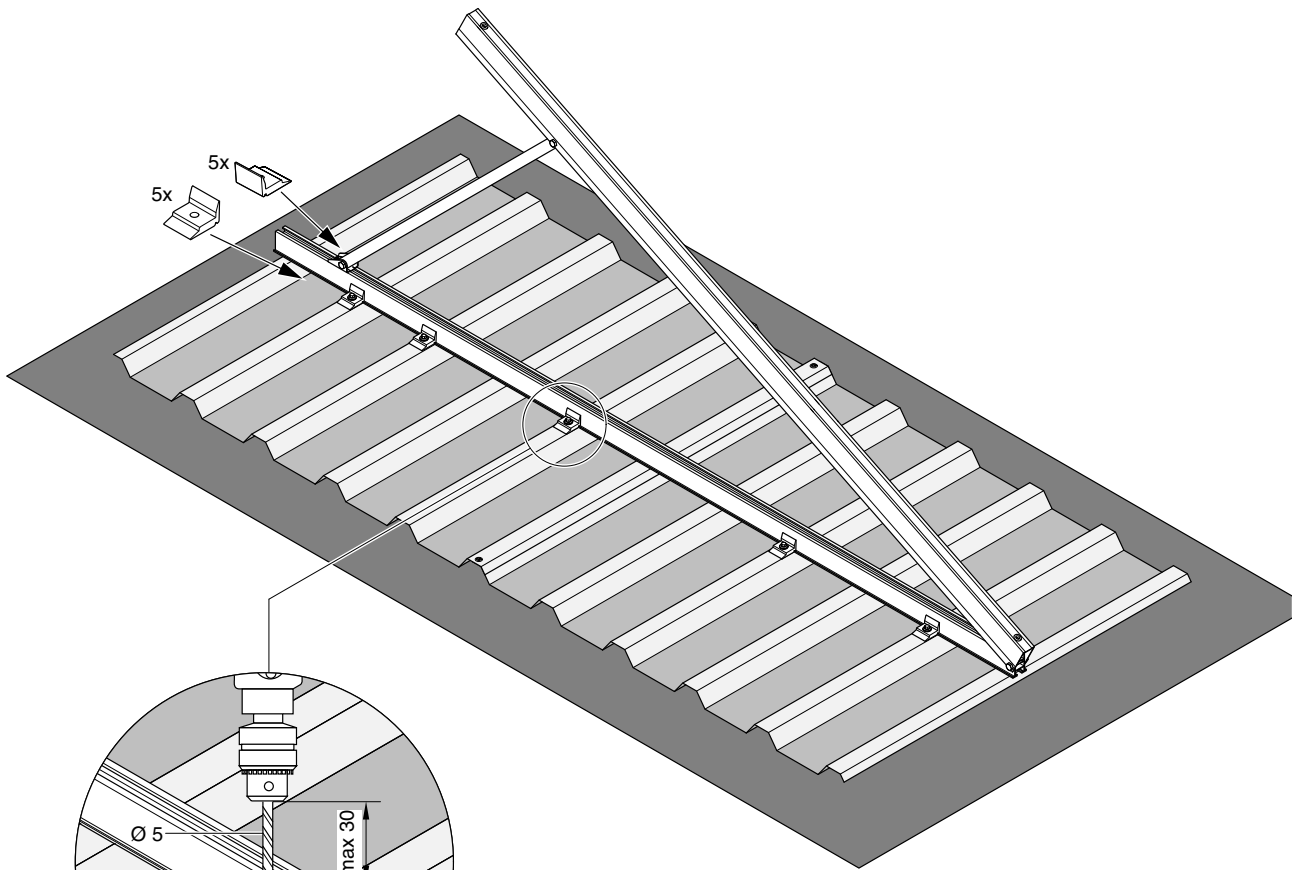


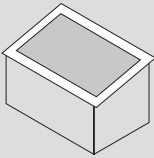
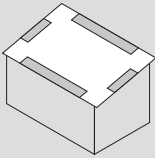
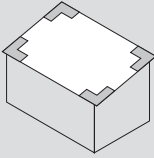
Montage auf Kiesplatten-Set / Montage sur kit de plaques pour lestage / Montage op kiezelplaten





Bautenschutzmatte unterlegen
Insérer un tapis de protection
Beschermingsmat onderleggen

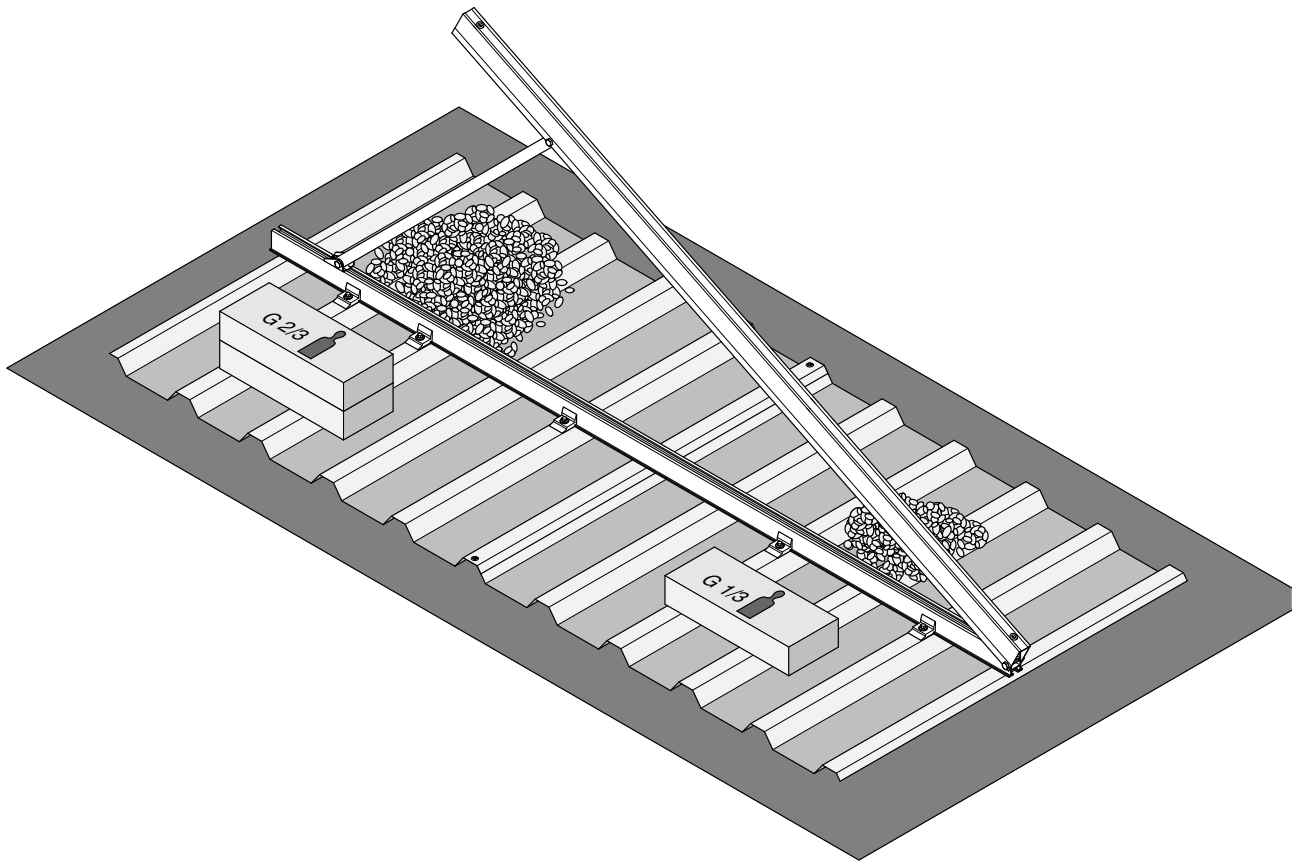




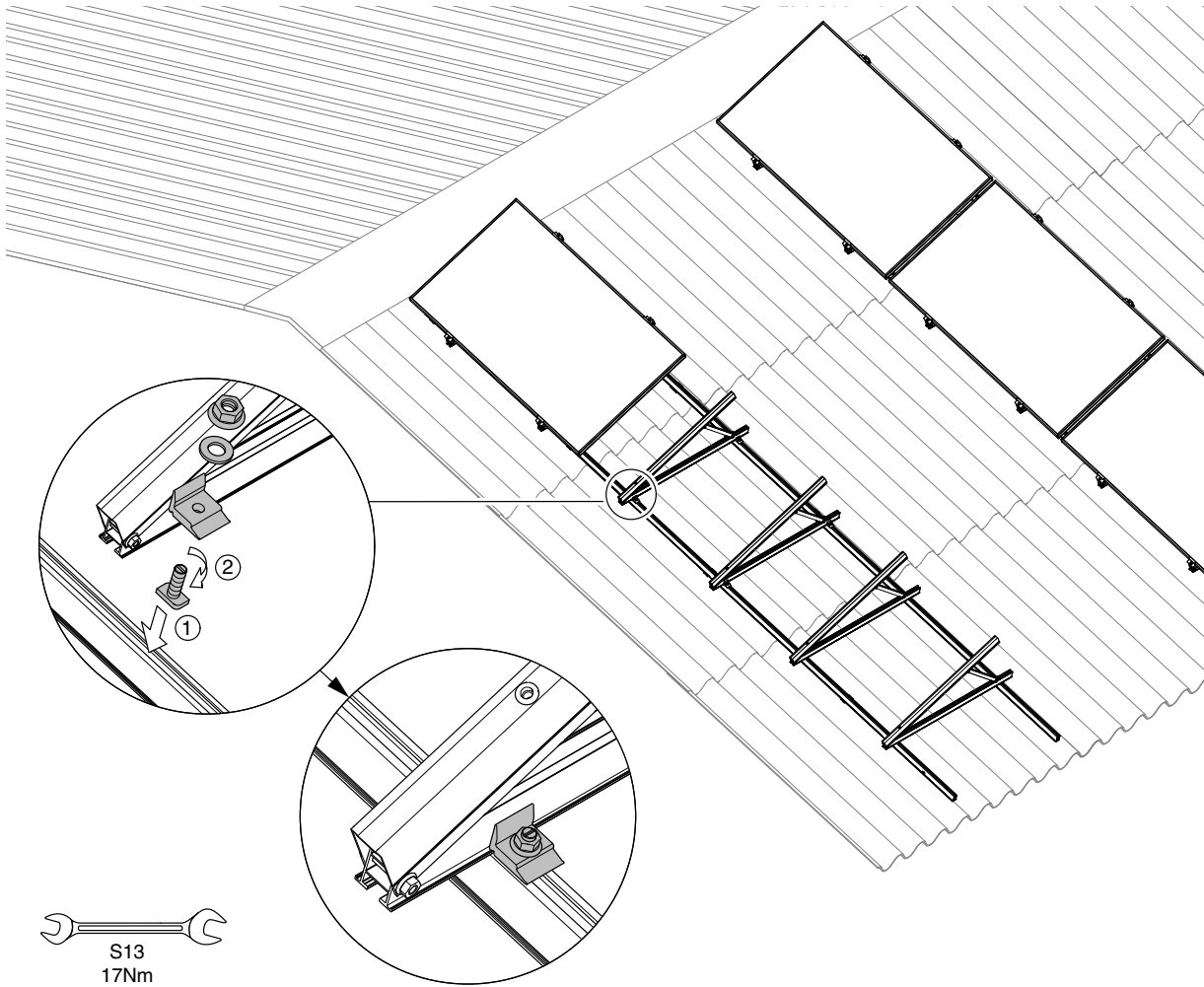
WZ	v _{ref} [m/s]	Kiesauflastung / Charge de gravier / Kiezelbelasting G [kg]		
				
1	22,5	105	172,5	232,5
2	25,0	135	217,5	285
3	27,5	172,5	270	352,5
4	30,0	210	330	427,5

TRIC F 30° /  <10m /  < 800m (Binnenland / à l'intérieur du pays / binnenland)

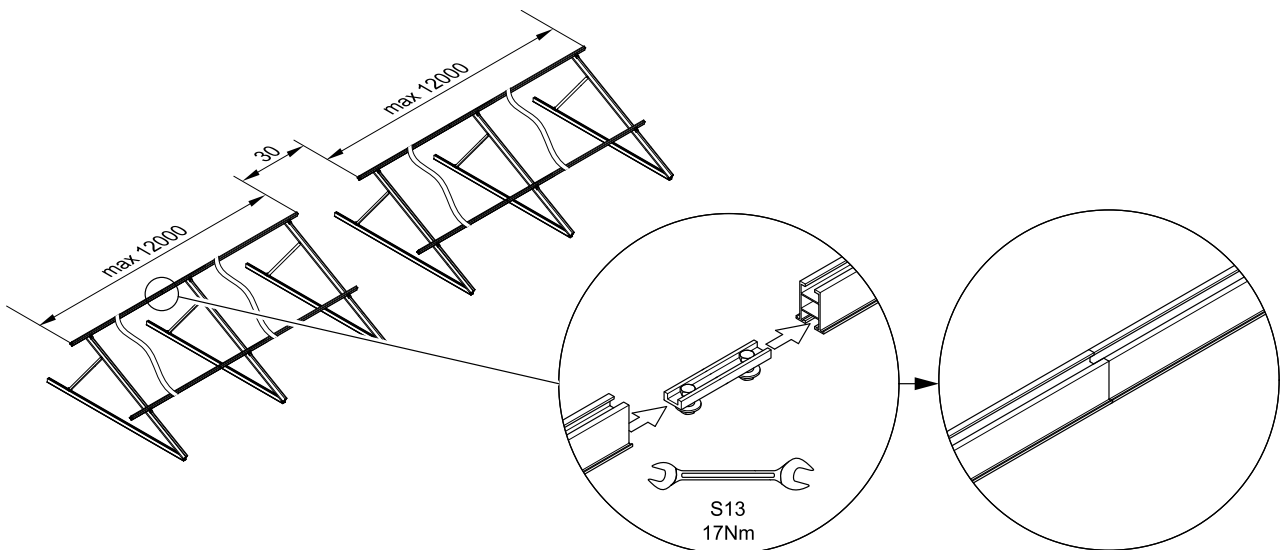
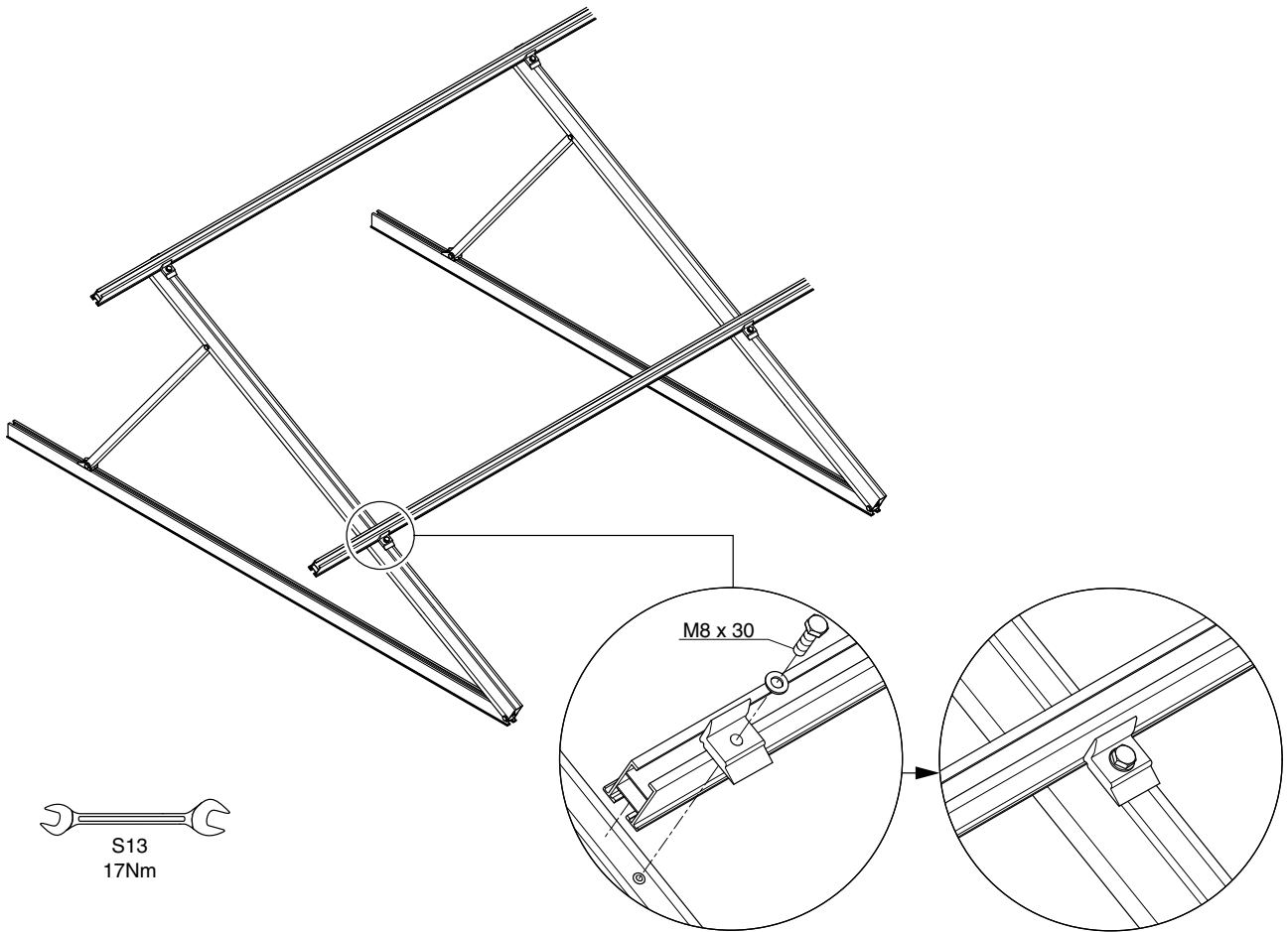
WZ = Windzonen
v_{ref} = vitesse de vent de référence / referentie windsnelheid
G = Kiesauflastung in kg pro m² Modulfläche inkl. Sicherheitsbeiwerten nach DIN 1055-100
Charge de gravier en kg par m² de surface de modules incluant un coefficient de sécurité selon EN 1991
Kiezelbelasting kg per m² module-oppervlakte incl. veiligheidscoëfficiënt volgens EN 1991

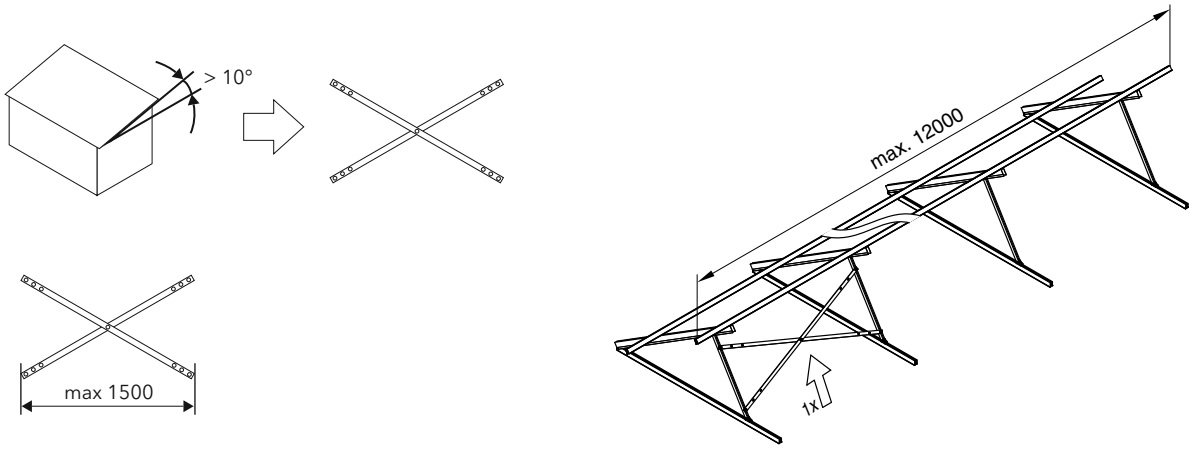


Montage quer zur Dachneigung / Montage transversal par rapport à l'inclinaison du toit / Montage dwars ten optzichte van de dakhelling

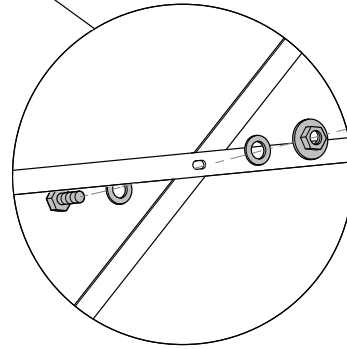
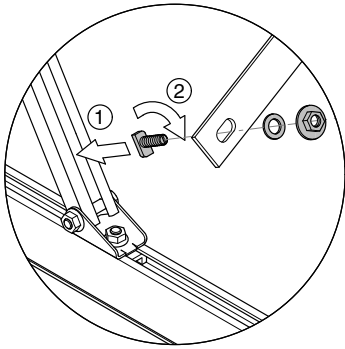
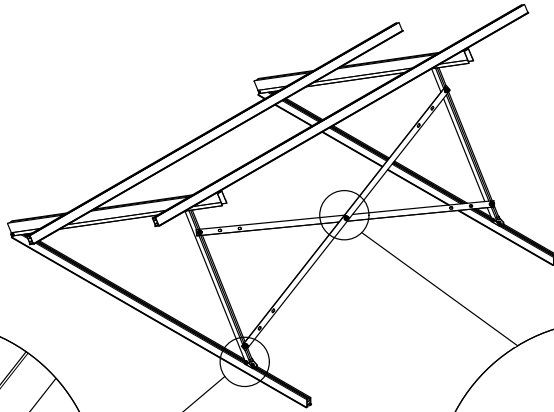


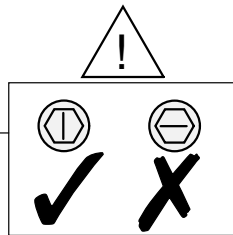
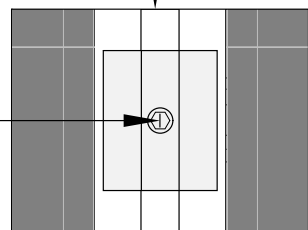
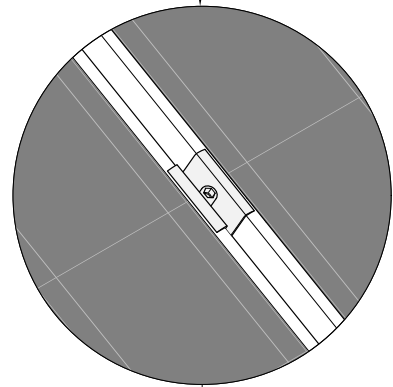
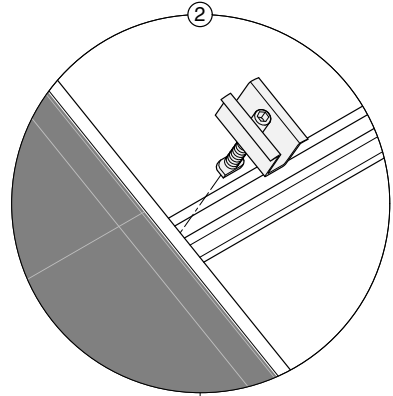
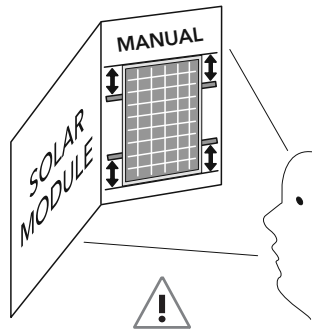
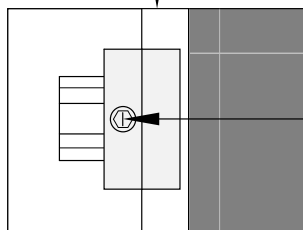
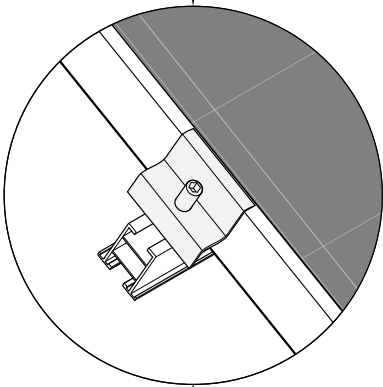
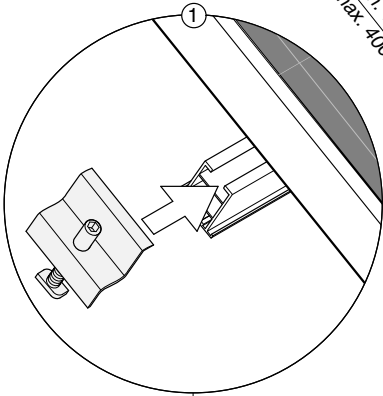
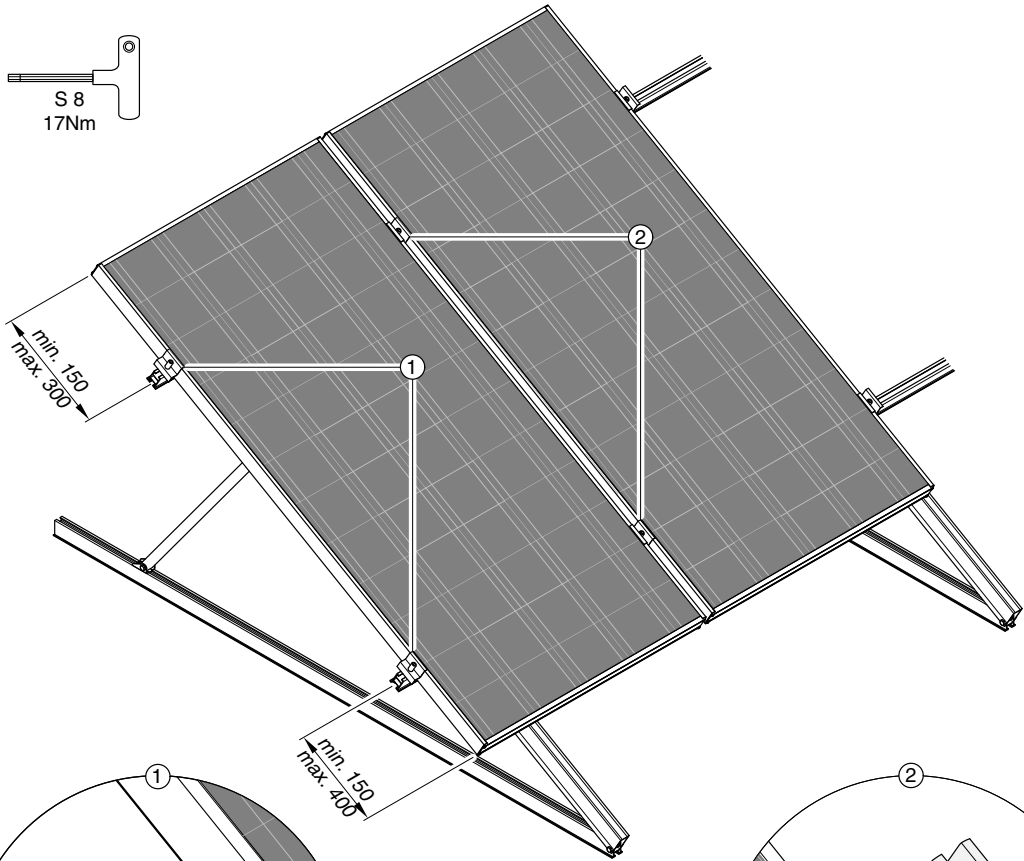
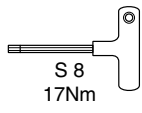
TRIC F Modulmontage / Montage des modules / Verticale montage van de modules





S13
17Nm





TRIC F Quer Modulmontage / Montage des modules / Horizontale montage van de modules

