



DE TECHNISCHE INFORMATION / MONTAGEANLEITUNG

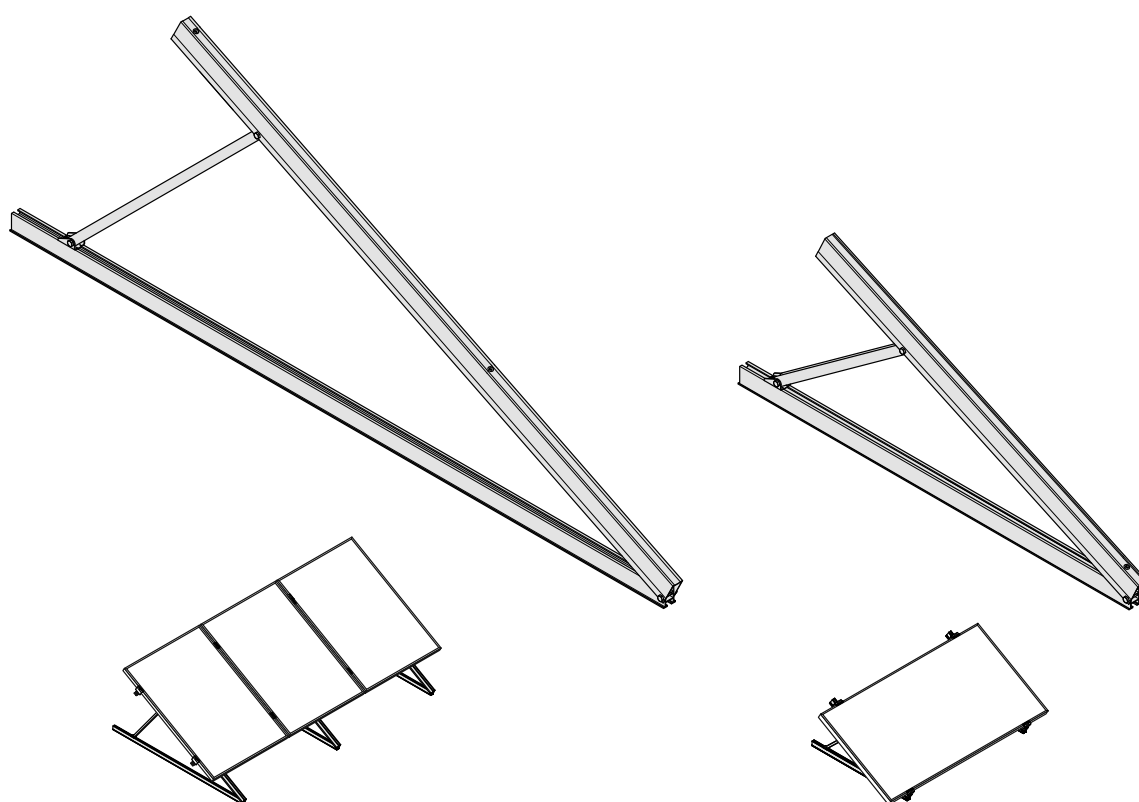
Flachdach-Montagesystem TRIC F

EN TECHNICAL INFORMATION / INSTALLATION INSTRUCTIONS

Flat Roof Mounting System TRIC F

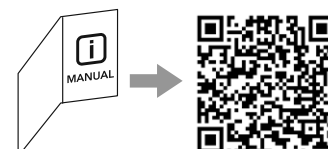
FR INFORMATIONS TECHNIQUE / INSTRUCTIONS DE MONTAGE

Système de montage pour toiture plate TRIC F



TRIC F 15/30/45

TRIC F Quer / TRIC F horizontal / TRIC F paysage



DE 1 Wichtige Hinweise

- Die Auslegung des Montagesystems (Anzahl der Montagedreiecke) ist projektbezogen entsprechend den vorgegeben Normen (DIN EN 1991-1-3 und DIN EN 1991-1-4:2010-12, Einwirkung auf Tragwerke - Allgemeine Einwirkungen - Schneelasten und Windlasten) durchzuführen.
- 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.

EN 1 Important Notes

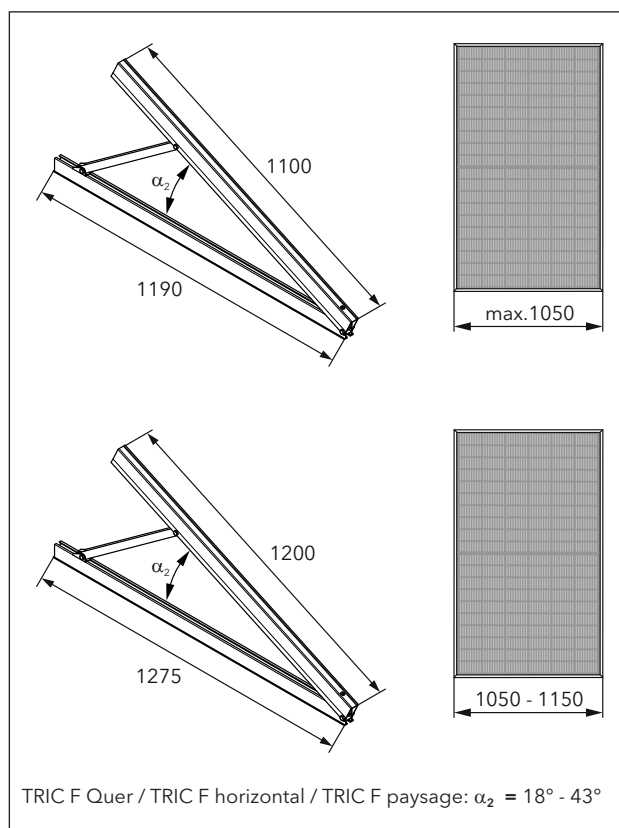
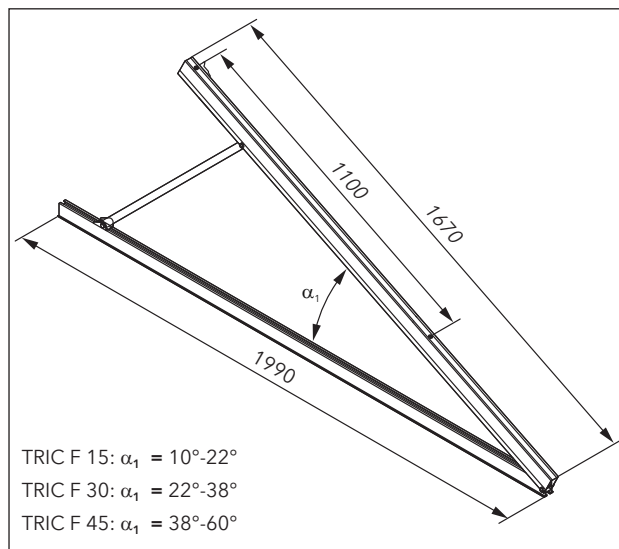
- The dimensioning of the mounting system (number of mounting triangles) should be specifically carried out for each individual project, following the specified structural engineering standards and regulations (EN 1991-1-3 and -1-4).
- Prerequisite for the proper application always is a solid mounting base that can accommodate the occurring forces (weight, wind and snow loads).
- The installation instructions of the solar module manufacturers must be adhered to.

FR 1 Notice importante

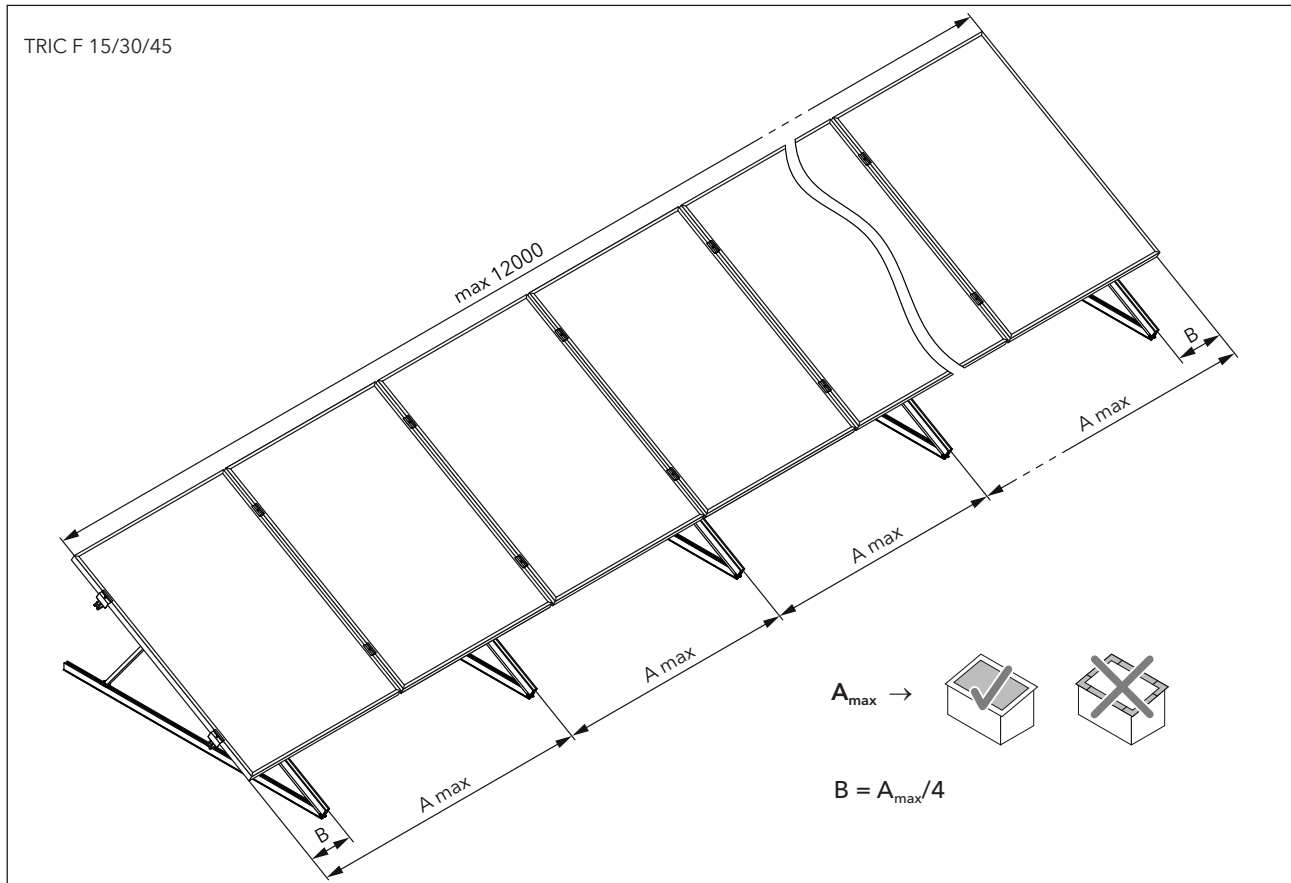
- Le dimensionnement du système de fixation (nombre des triangles d'appui) doit être calculé en fonction des données du projet et devra satisfaire aux normes spécifiés (EN 1991-1-3 et -1-4).
- Une structure de base appropriée pouvant résister aux efforts en présence (poids, vent et neige) représente la condition préalable au respect des normes.
- Respectez les instructions de montage du constructeur des modules solaires.



Alle Maße in mm
All dimensions in mm
Toutes les dimensions sont en mm



2 Montage / Mounting



DE

TRIC F 15/30/45: Max. zulässiger Abstand der Montagedreiecke					
Höhe über NN		0 - 300 m	300 - 500 m	500 - 700 m	700 - 900 m
Schneelastzone	Windzone	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

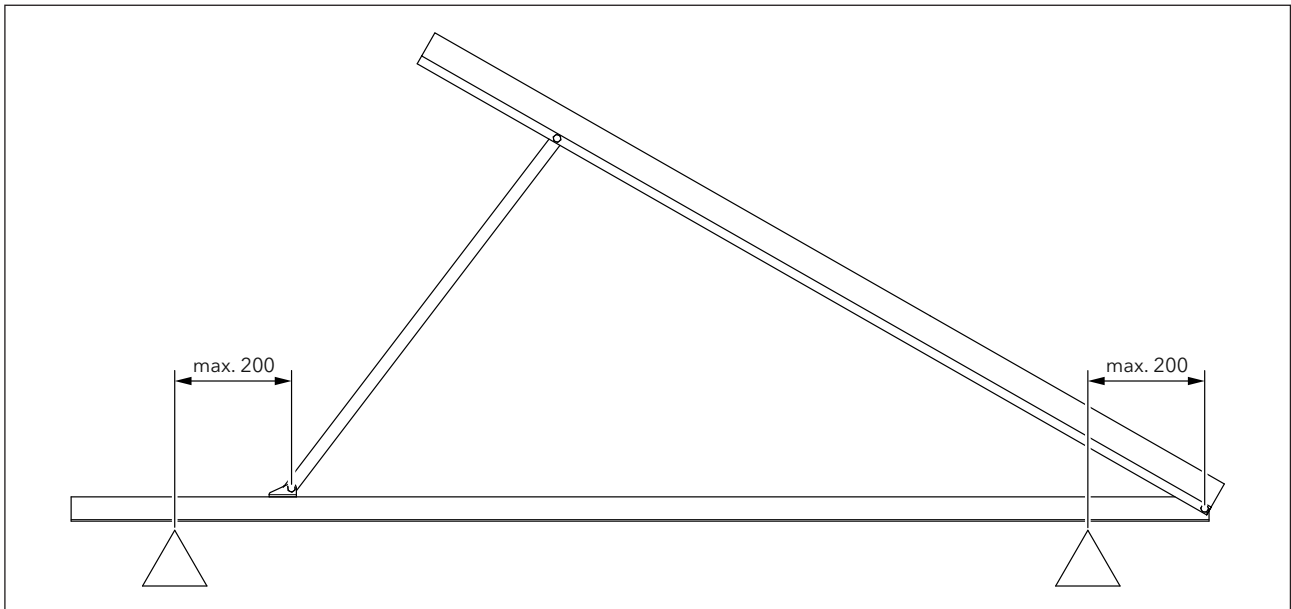
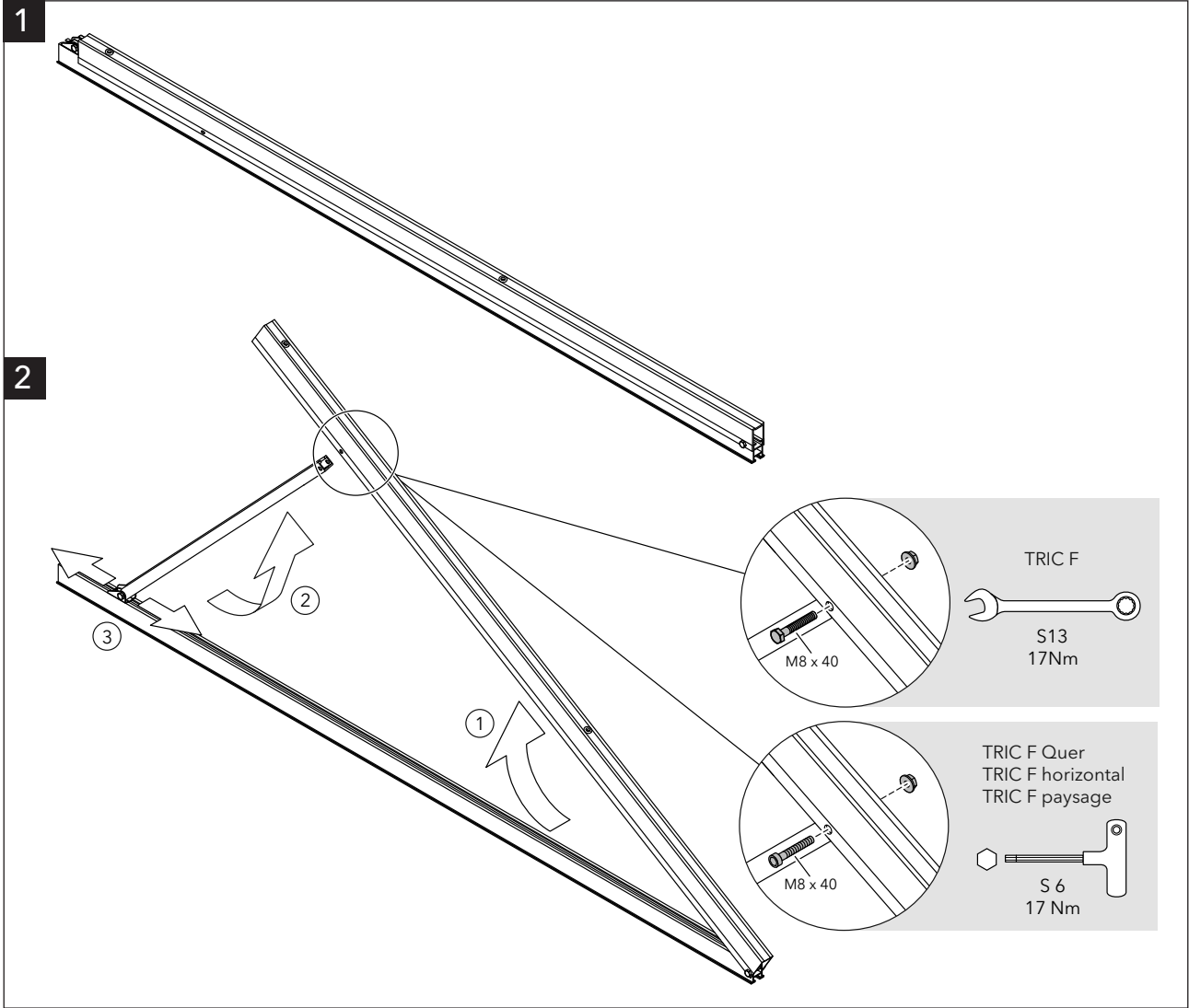
EN

FR

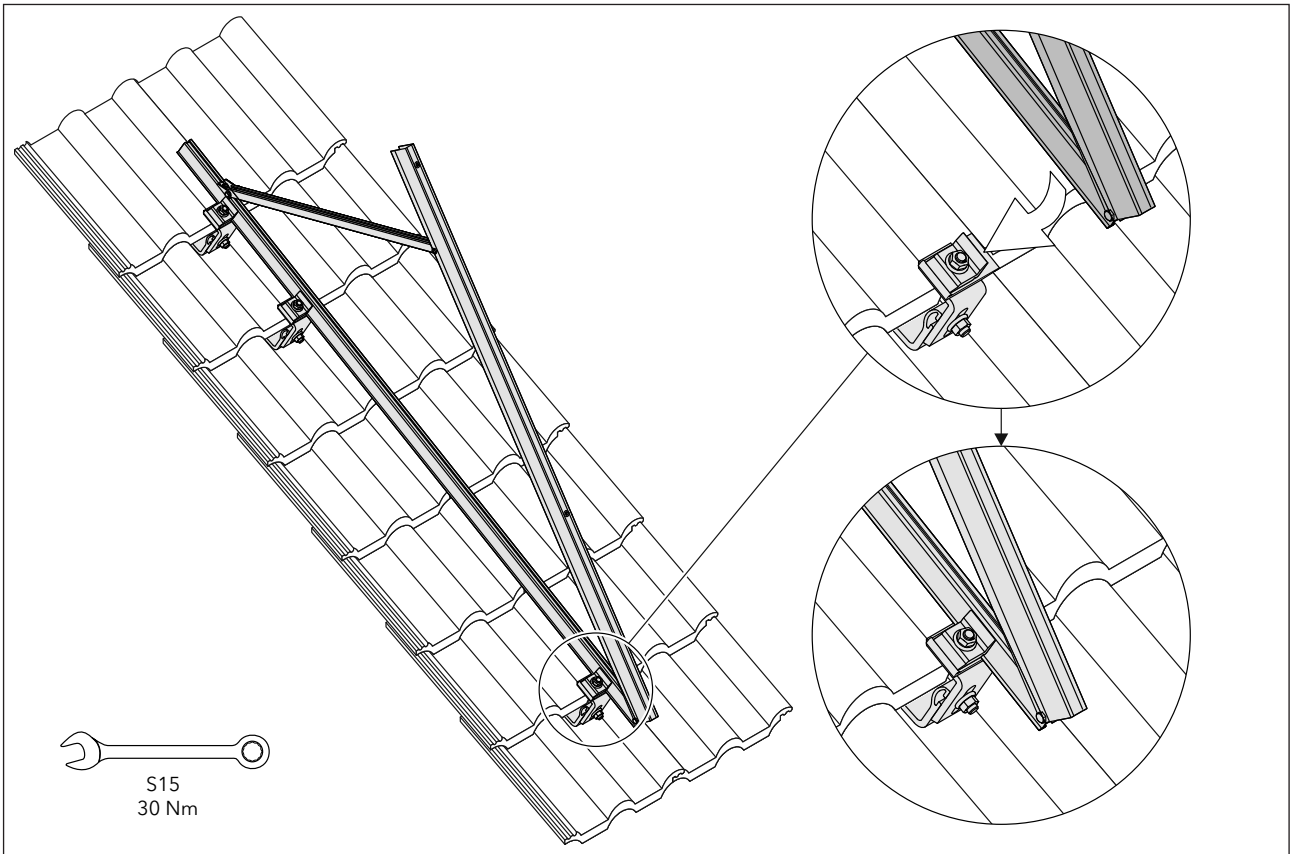
TRIC F 15/30/45: Max. tolerated distance between the triangle racks / Distance maximale entre les supports triangulaires									
		H = 0 - 300 m		H = 300 - 500 m		H = 500 - 700 m		H = 700 - 900 m	
v_{ref} [m/s]	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	A_{max} [mm]	S_0 [kN/m ²]	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

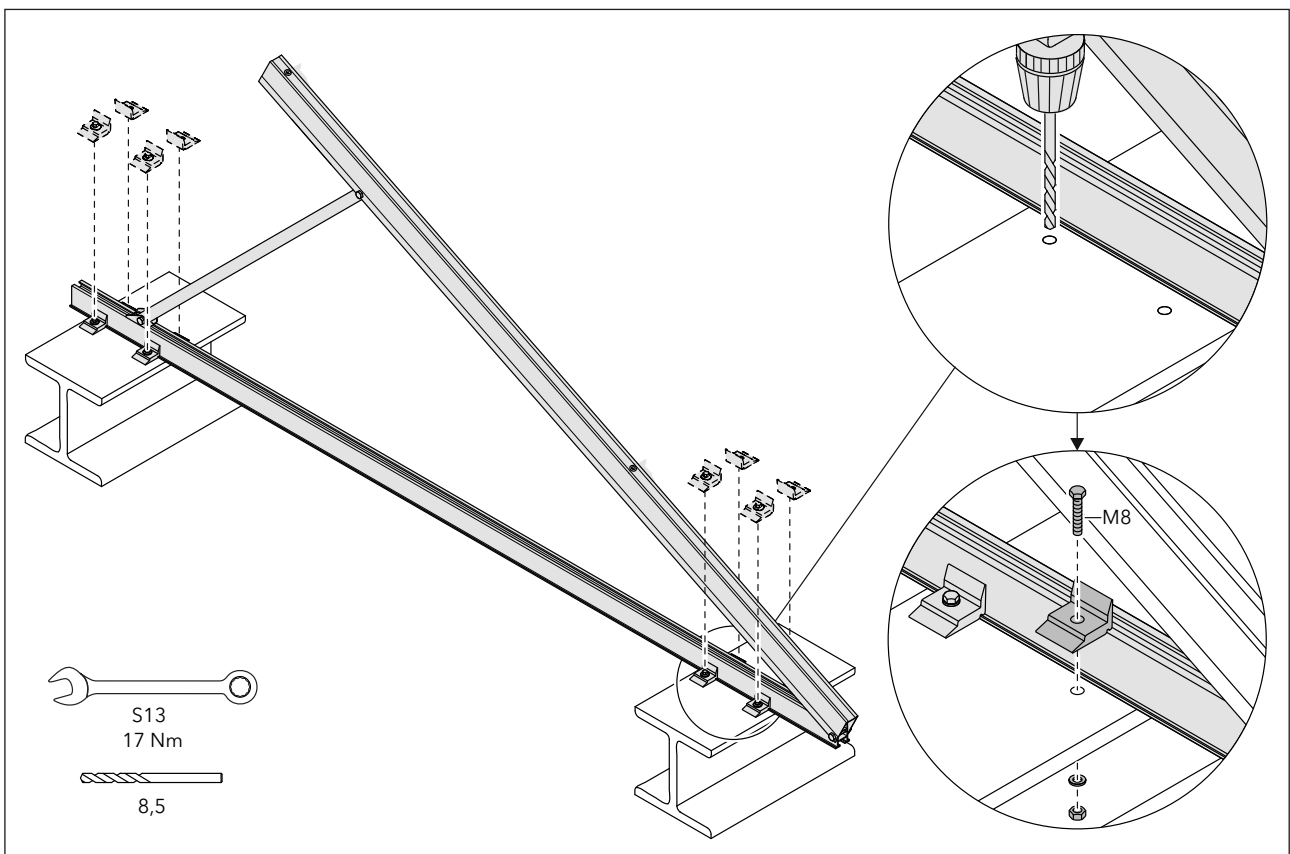
H = meters above sea level / mètres d'altitude
 v_{ref} = reference wind speed / vitesse de vent de référence
 S_0 = ground snow load / charge de neige sur le sol



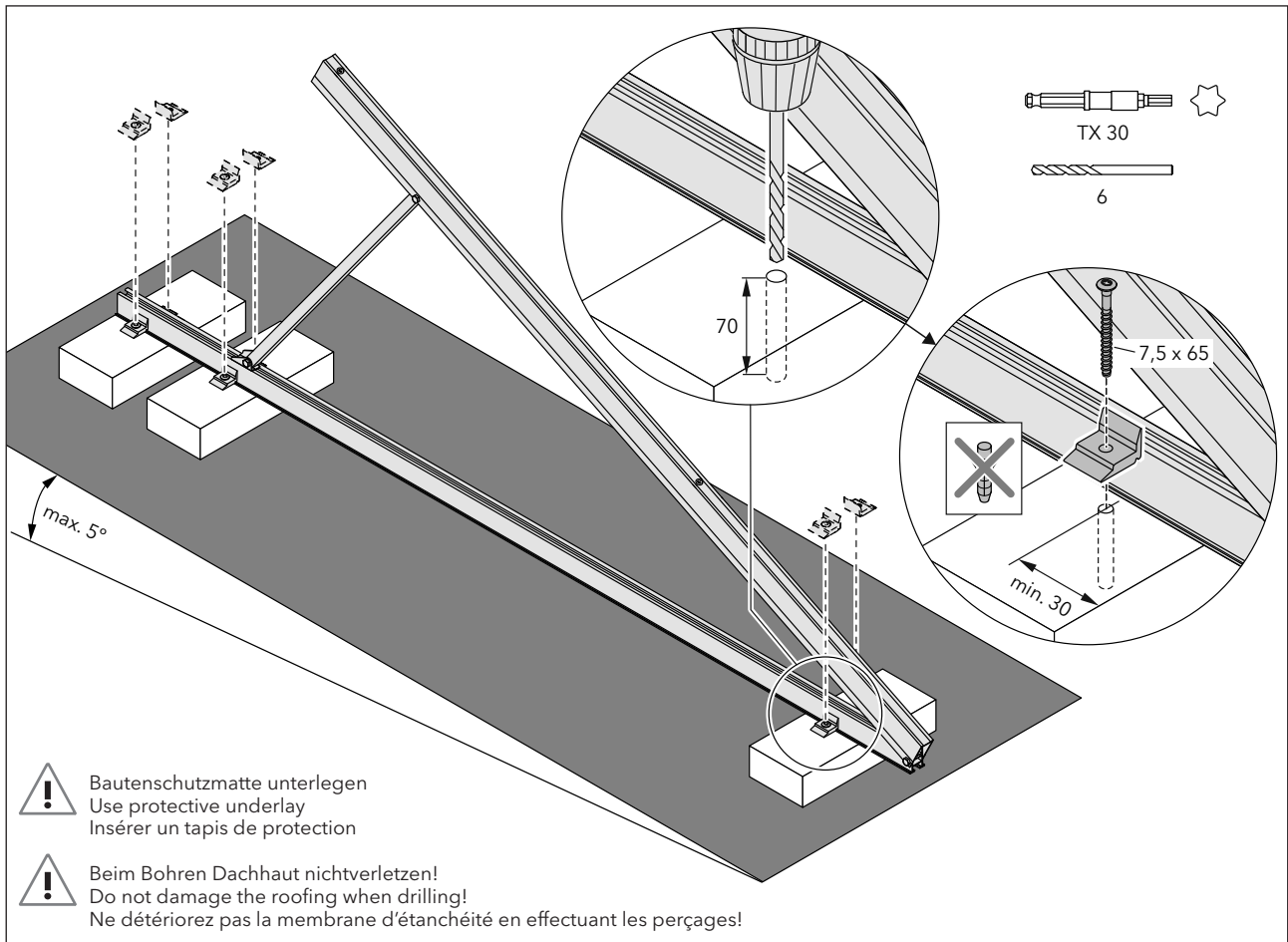
Montage auf Ziegeldächern / Mounting on pan tiles / Montage sur toits en tuiles mécanique

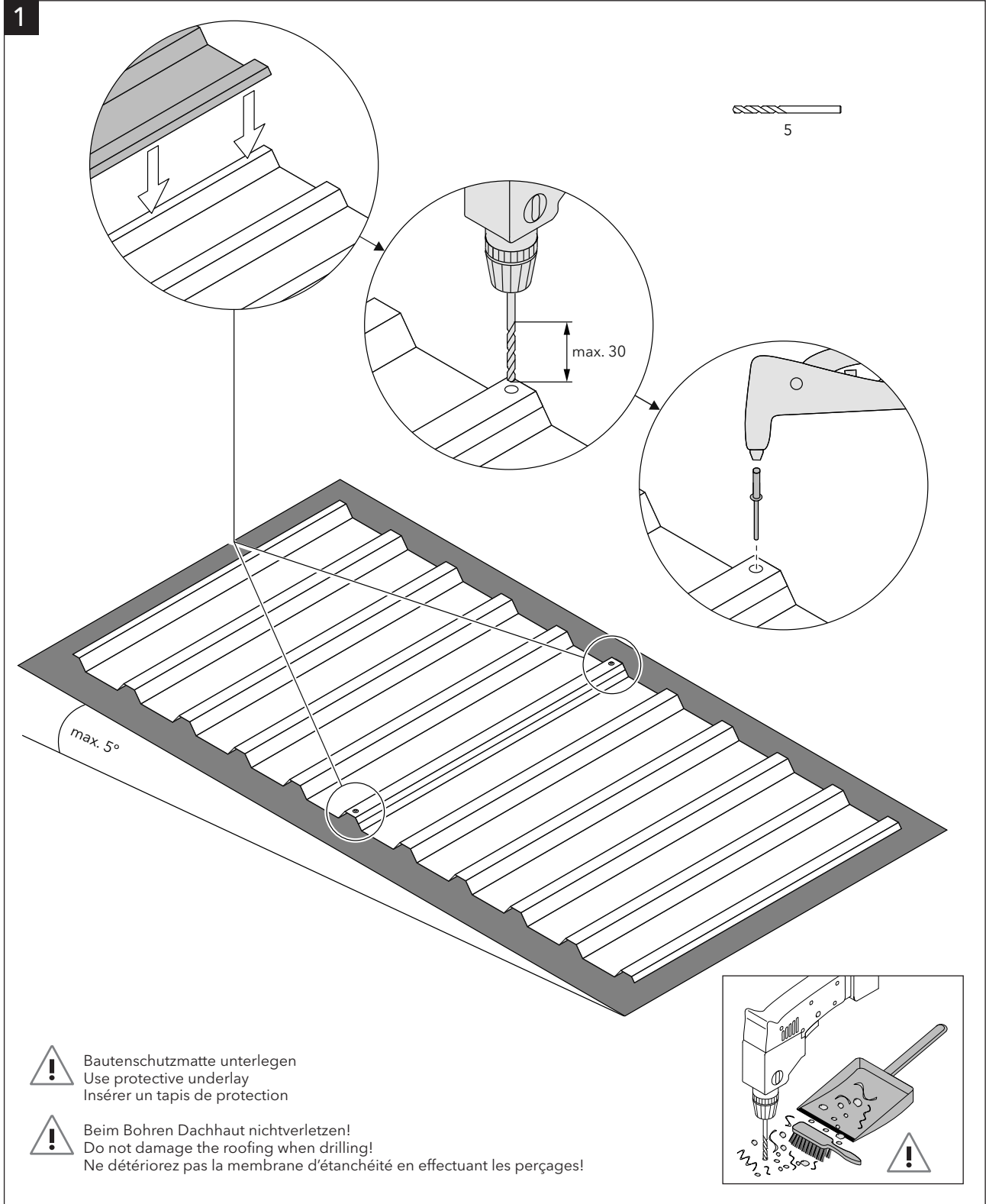


Montage auf Stahlträgern / Mounting on steel beams / Montage sur poutrelles d'acier

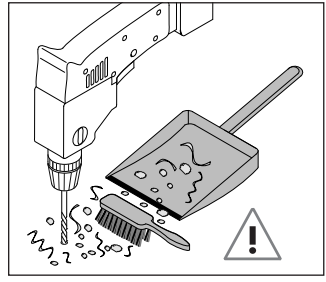
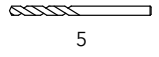
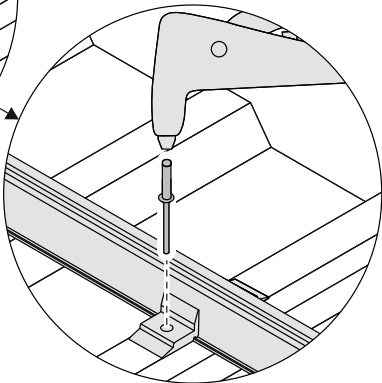
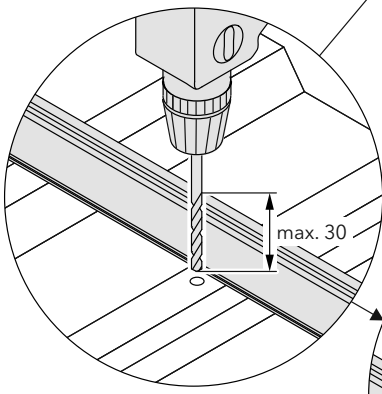
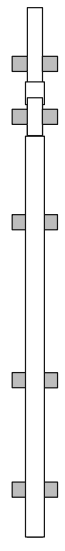
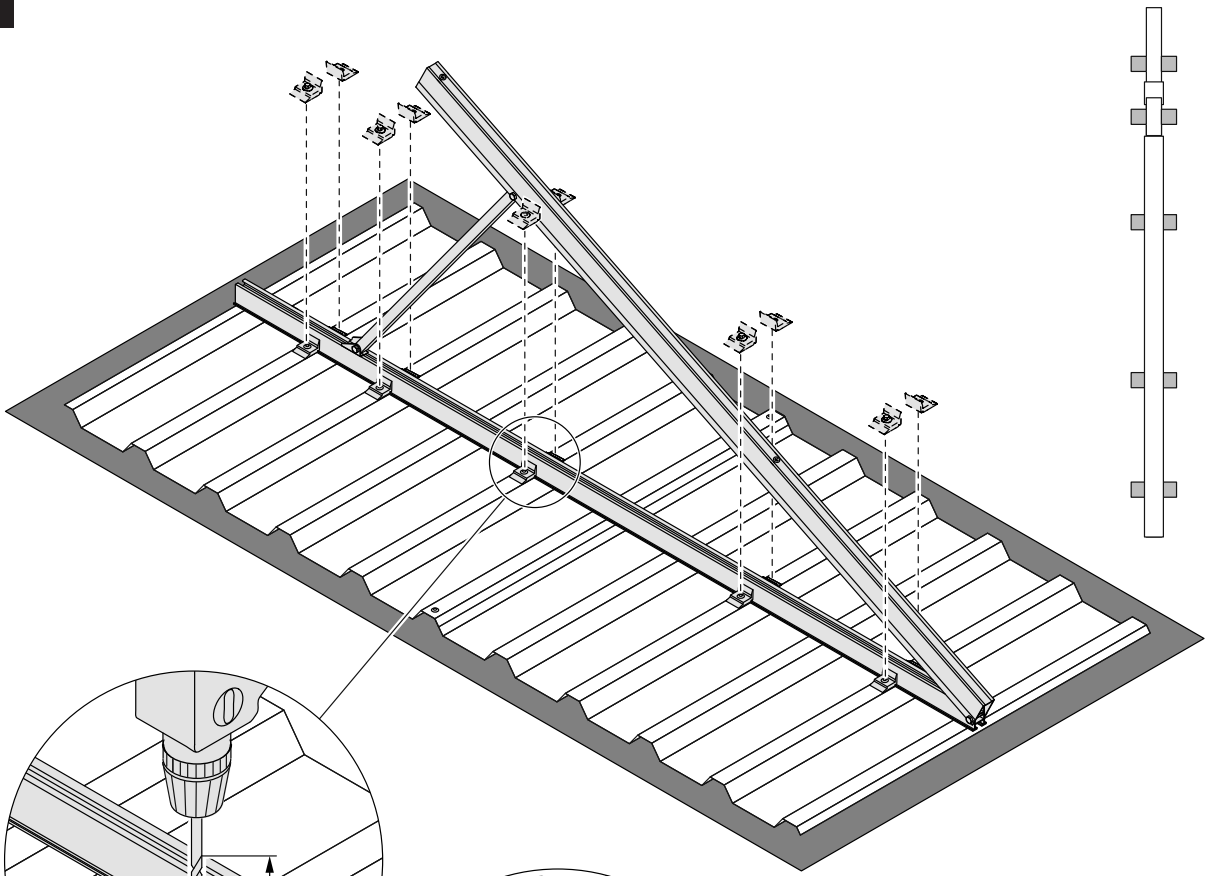


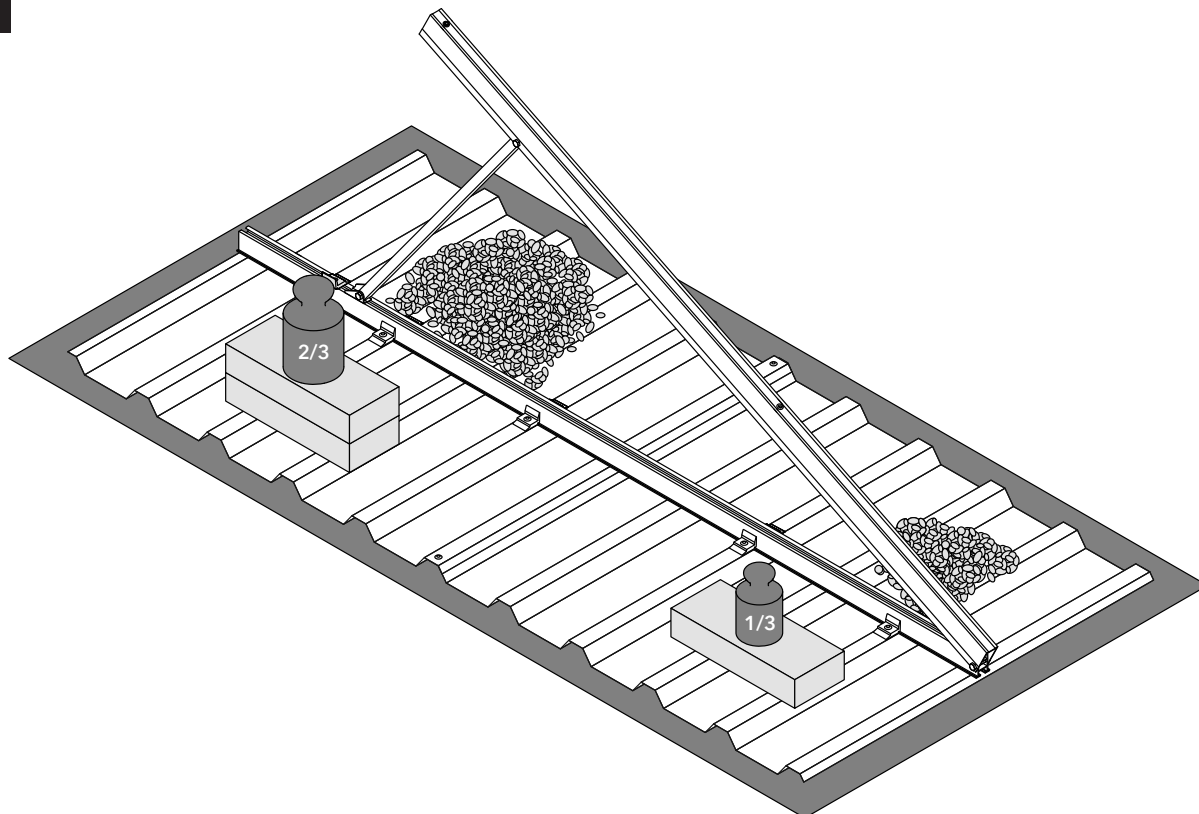
Montage auf Betonsteinen / Mounting on concrete bricks / Montage sur pavés en béton



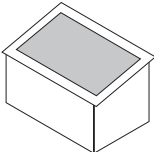
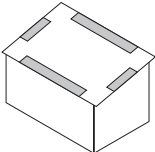
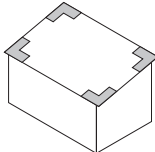




2





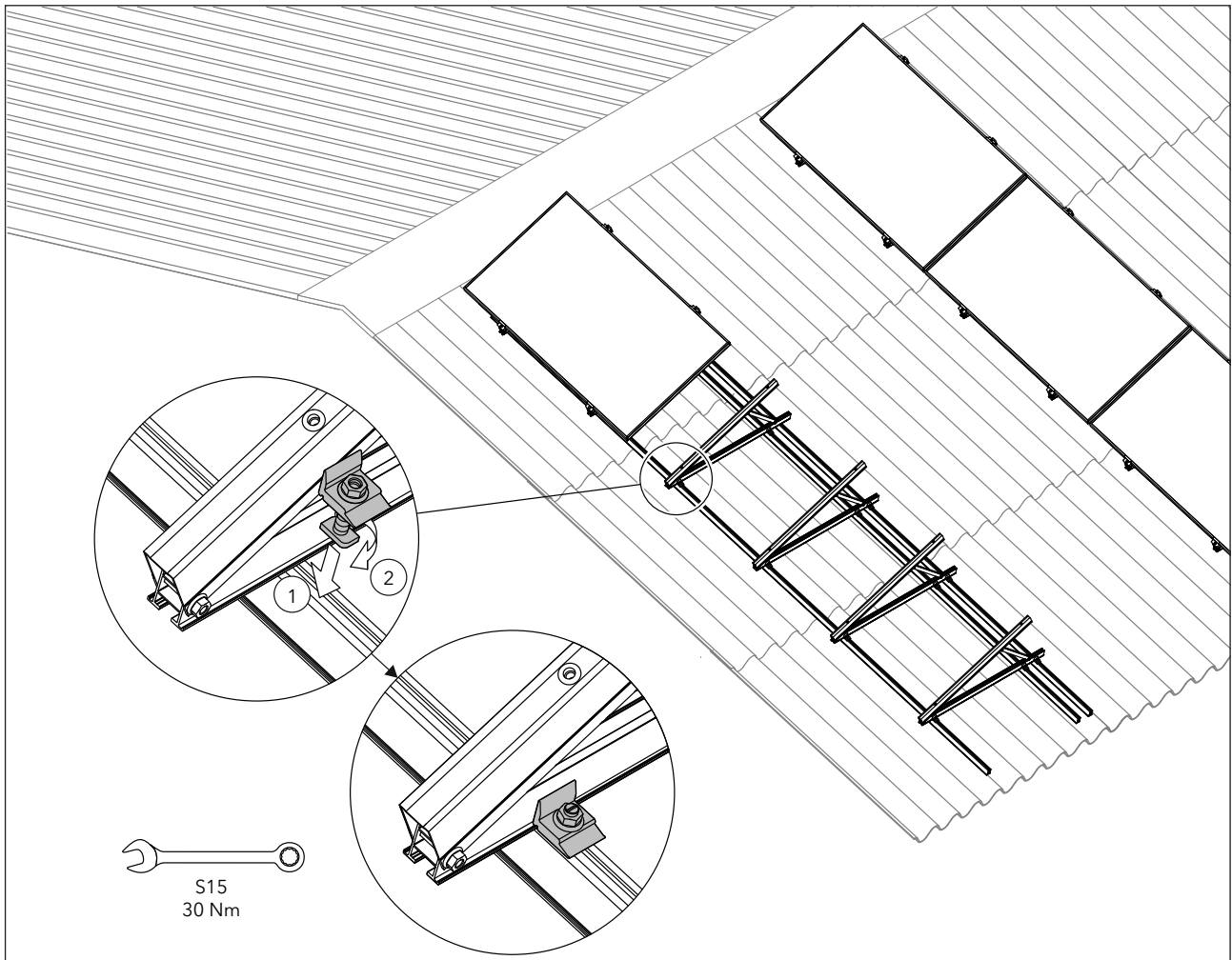
Auflastung (kg pro m² Modulfläche*) / Load (kg per m² module surface*) / Charge (kg par m² de surface de modules*)

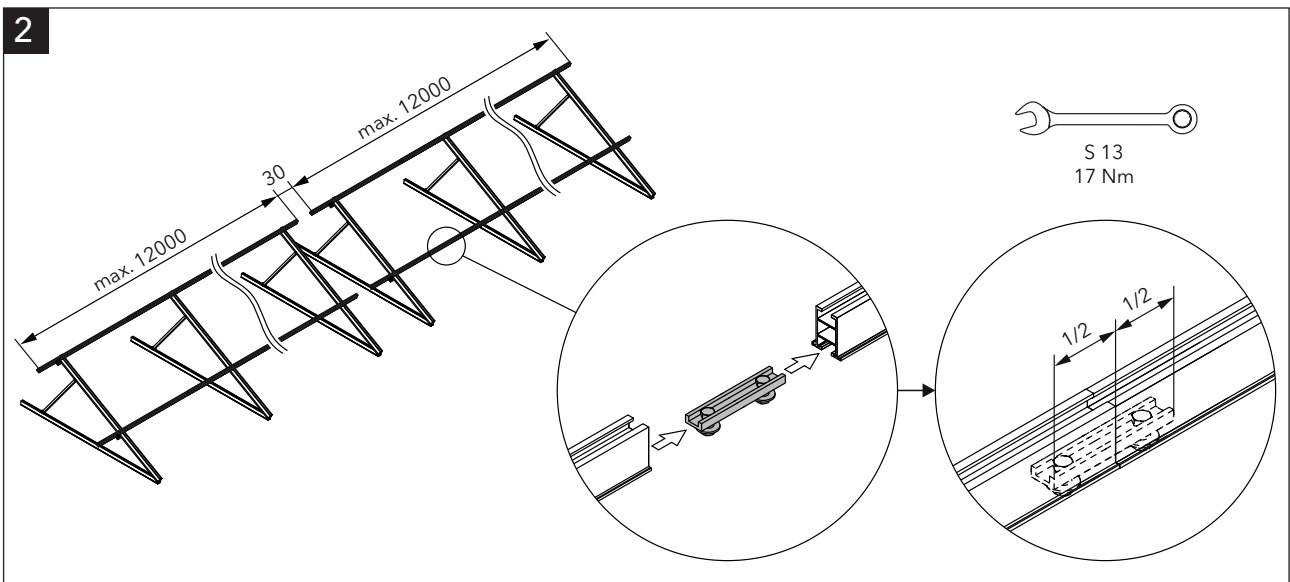
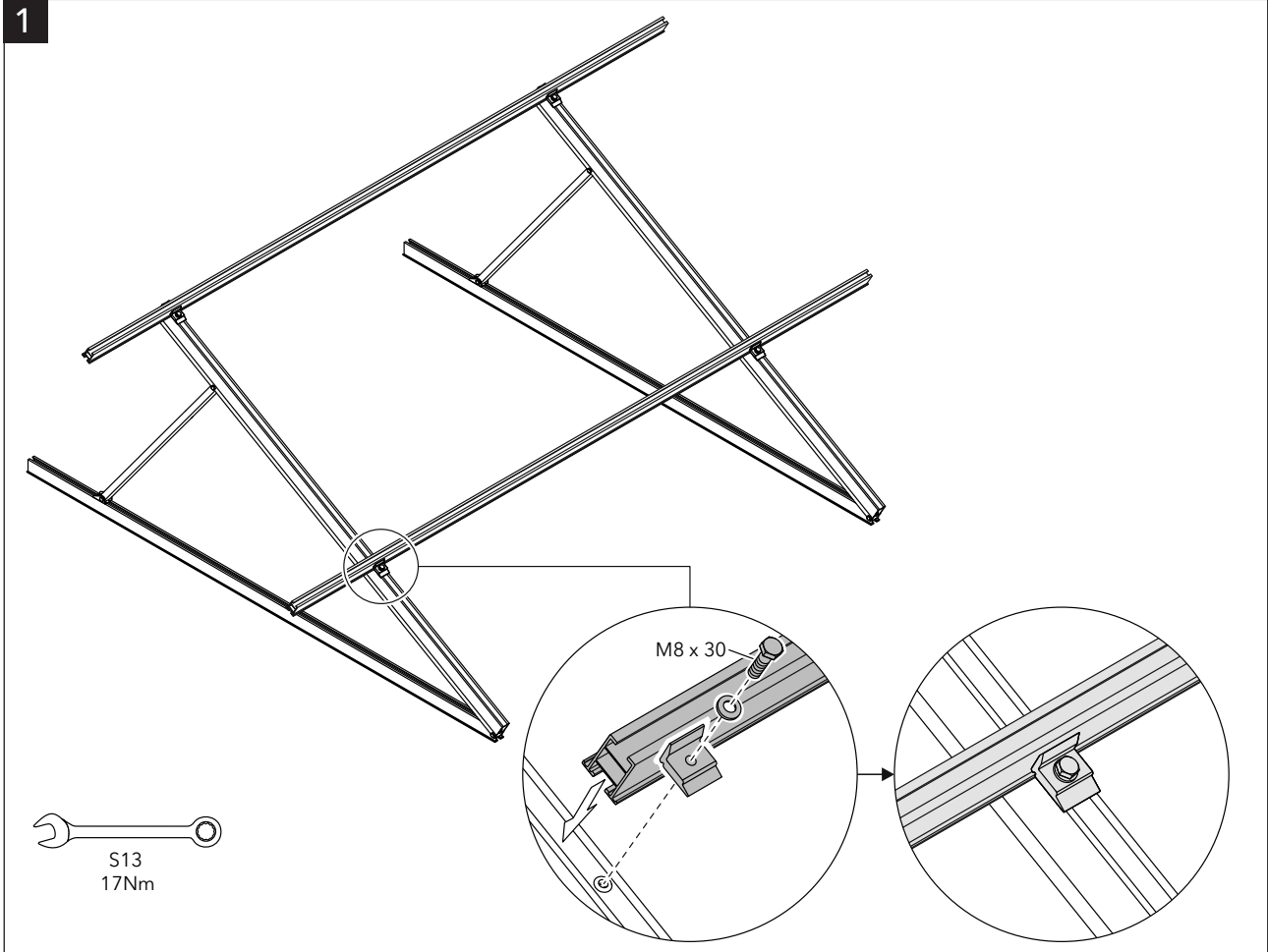
	DE	EN	FR			
Windzone	v _{ref} [m/s]		[kg]	[kg]	[kg]	
1	22,5		105,0	172,5	232,5	
2	25,0		135,0	217,5	285,0	
3	27,5		172,5	270,0	352,5	
4	30,0		210,0	330,0	427,5	

TRIC F 30° /  < 10m /  < 800m (Binnenland / inland / à l'intérieur du pays)
v_{ref} = reference wind speed / vitesse de vent de référence

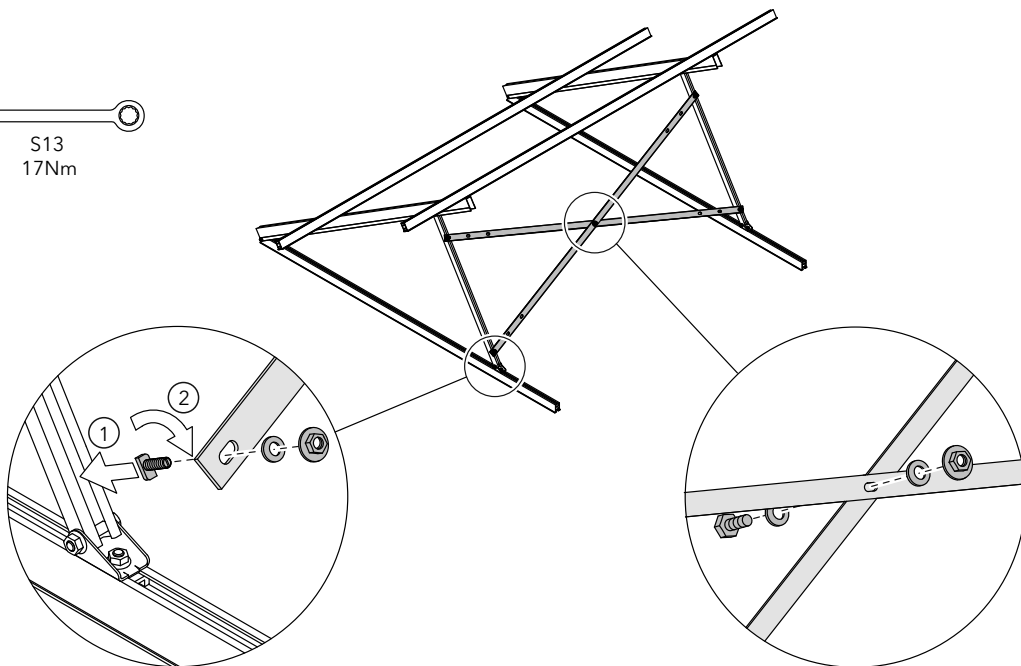
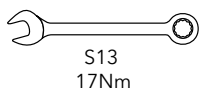
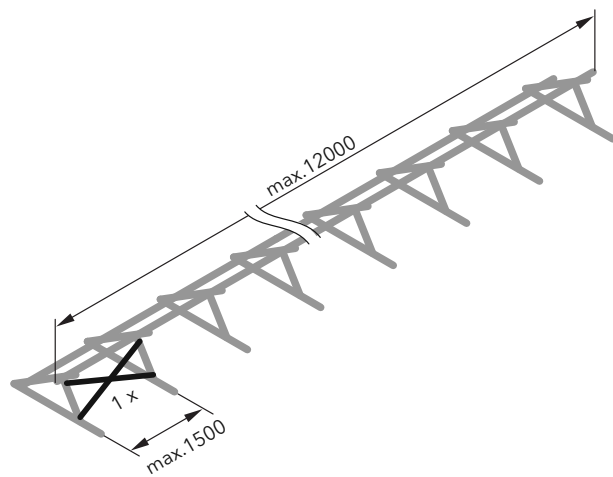
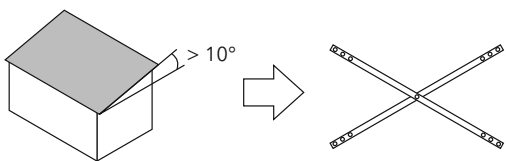
* inkl. Sicherheitsbeiwerten nach DIN EN 1991-1
* incl. safety factor acc. to EN 1991-1
* incluant un coefficient de sécurité selon EN 1991-1

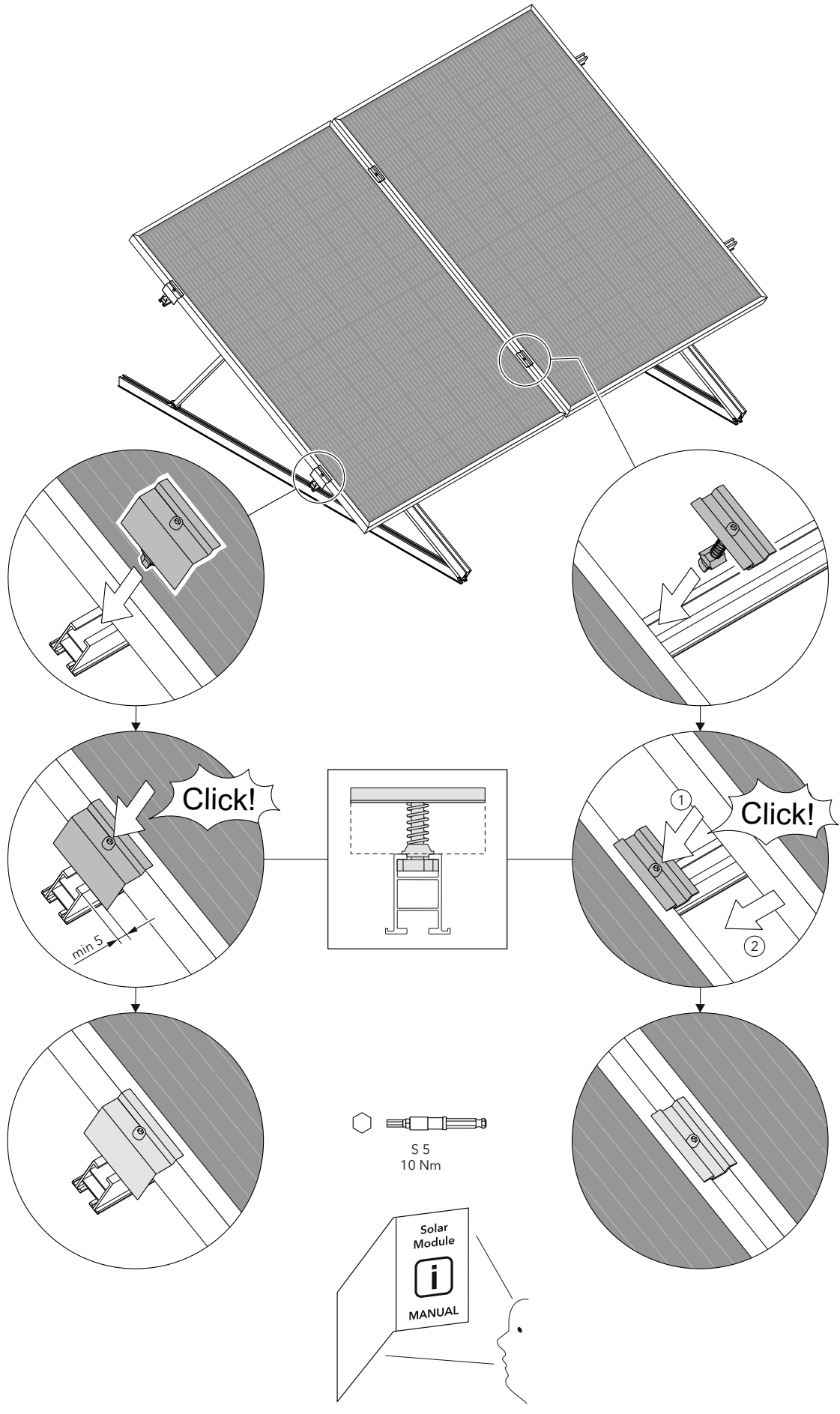
Montage quer zur Dachneigung / Mounting transverse to the roof pitch / Montage transversal par rapport à l'inclinaison du toit





3





TRIC F Quer Modulmontage / TRIC F horizontal module installation / TRIC F paysage montage des modules

