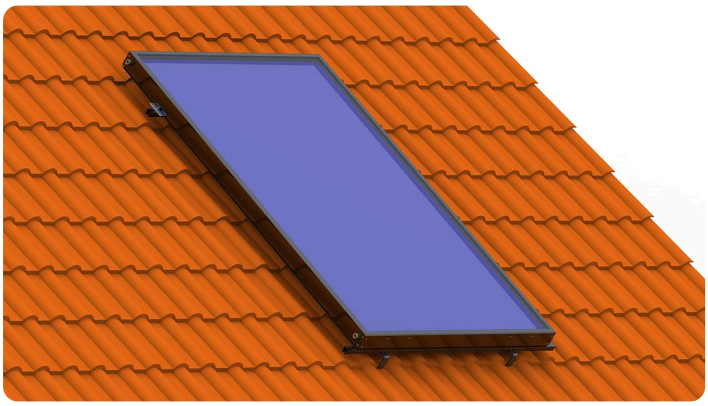
SOLIMPEKS
Renewable Heating

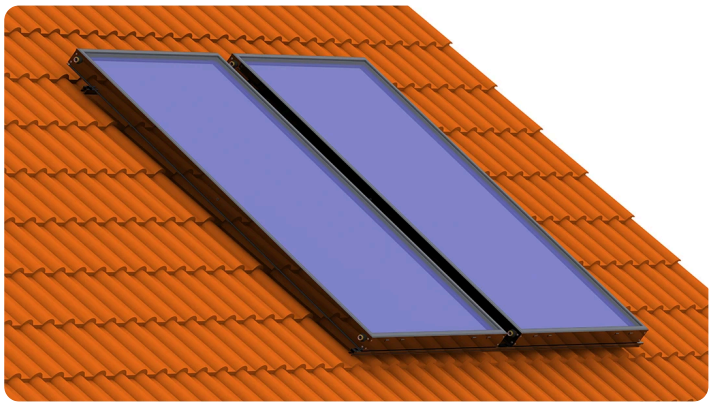
INSTALLATION MANUAL

ACCESSORIES · MOUNTING KITS

Pitched Roof Mounting Kit

Assembly instructions for installing Solimpeks solar thermal collectors and PVT panels on pitched roofs.





OVERVIEW

About this kit

Solimpeks pitched roof mounting kits fix solar thermal collectors and PVT panels on tiled pitched roofs. Roof supports are screwed to the roof structure under the tiles. Two aluminium profiles carry the collector, which is fixed with clips. Kits are available for 2510, 2108 and 1808 collectors and for PVT panels, as single and double kits, and as a triple kit for 2510 collectors.

Available versions

Collector	Configuration
2510	Single · Double · Triple
2108	Single · Double
1808	Single · Double
PVT	Single · Double

Tools required

- Spanners (15, 16 or 17 mm, depending on the kit)
- Pliers
- Drill
- Tape measure
- Protective gloves

Collector angle

The collector lies parallel to the roof, at the roof pitch. Frames for solar water heaters can also raise the collector by **12°** or **15°** above the roof angle (page 9).

Safety

! Only qualified installers should carry out the installation, in line with local building and safety regulations. Use fall protection when working on the roof.

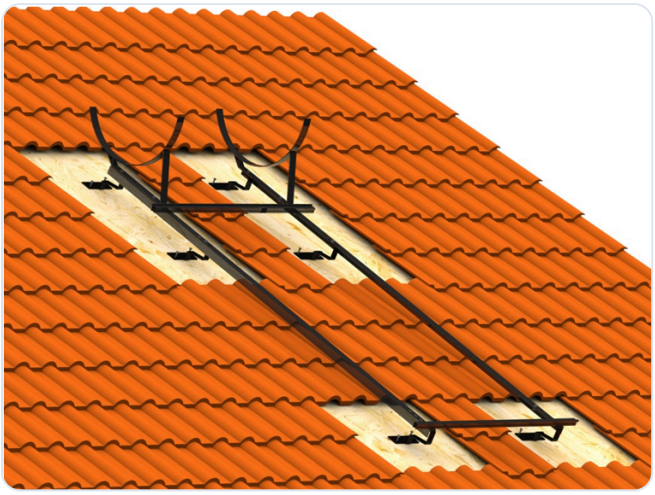
Check that the roof can carry the system. Fix the supports to the load-bearing roof structure with the wood screws supplied. Put the tiles back so that the roof stays watertight.

Wear protective gloves. Profile edges can be sharp.

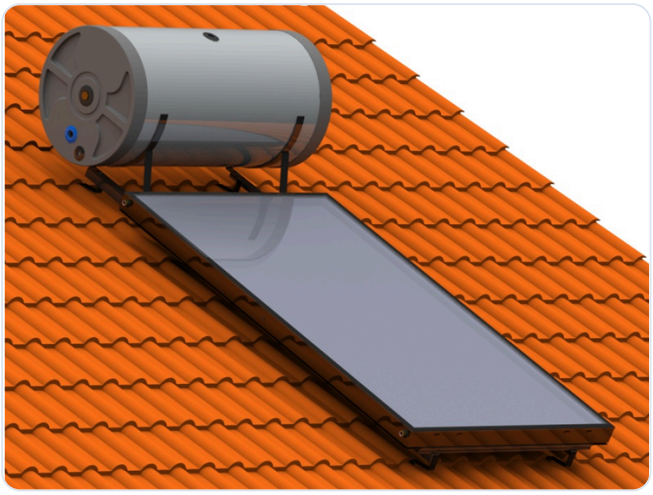
OVERVIEW

On the roof

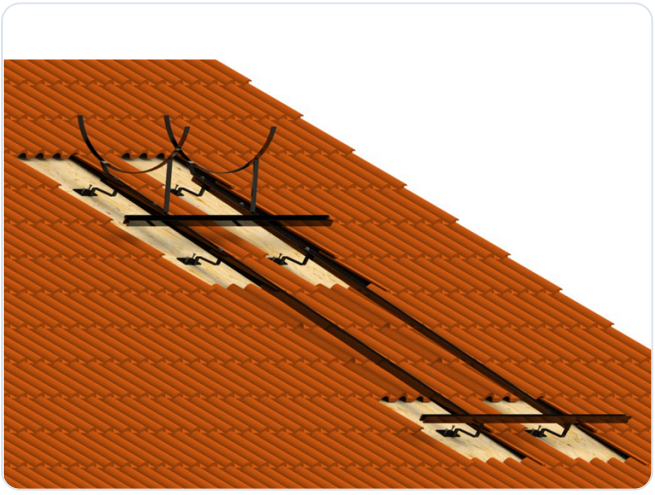
The tiles are lifted only where the supports go. After the supports are fixed, the tiles go back and the frame sits on top of the roof.



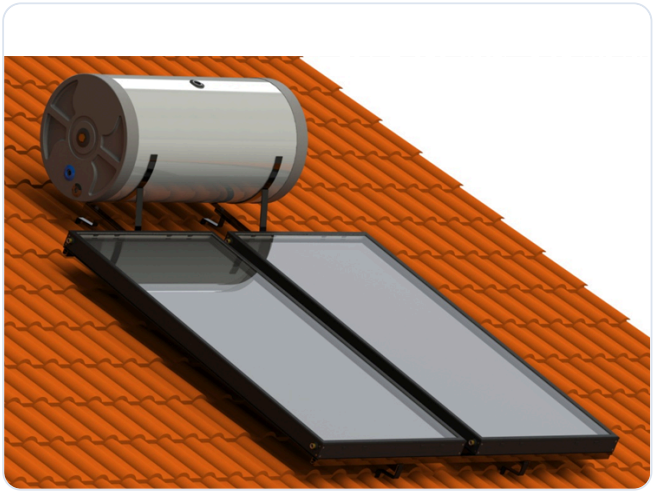
Frame for one collector and tank; tiles removed at the support positions



Finished system: one collector with tank



Frame for two collectors and tank

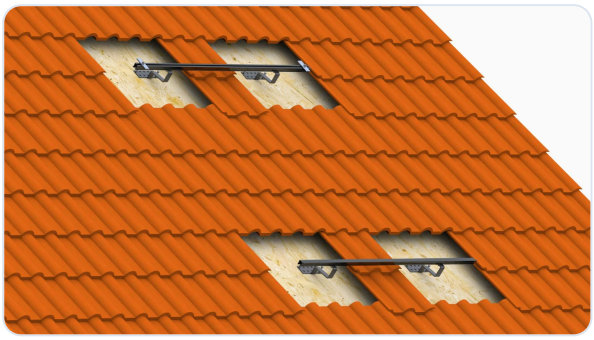


Finished system: two collectors with tank

COLLECTOR KIT

Kit components

No	Part	1 coll.	2 coll.
1	Straight support	4	6
2	"Z" support	4	6
3	Wood screw 8 × 60	8	12
4	Screw M8 × 12	8	12
5	Screw M10 × 20	6	10
6	Nut M10	6	10
7	Clips	2	4
8	Aluminium profile	1	1
9	Aluminium profile	1	1

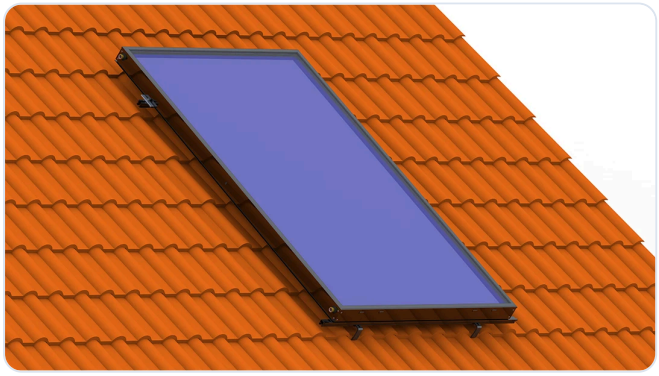


Supports and aluminium profiles on the roof, before the collector is placed

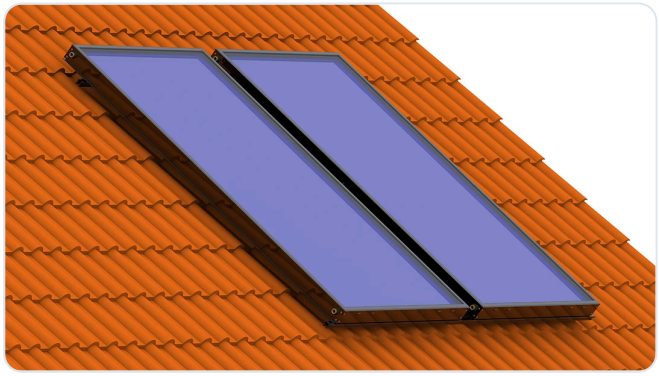
Aluminium profile length by collector

Collector	1 collector	2 collectors
2510 / 2512	1335 × 30 × 30 mm	2670 × 30 × 30 mm
2108	1150 × 30 × 30 mm	2300 × 30 × 30 mm
1808	1050 × 30 × 30 mm	2100 × 30 × 30 mm

The kit size follows the collector width: see "Compatible collectors" on page 6. For the triple 2510 kit and for PVT panels, check the packing list supplied with your kit.



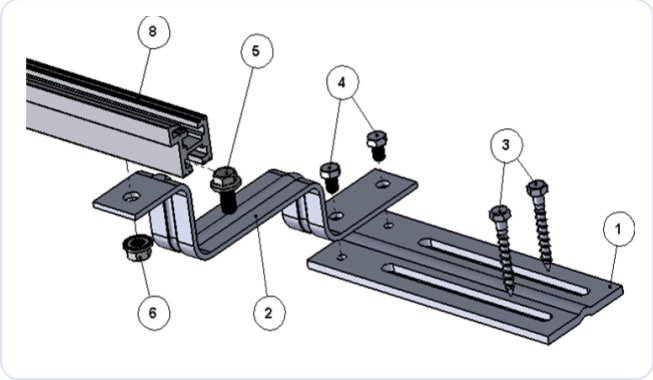
Collector kit: one collector



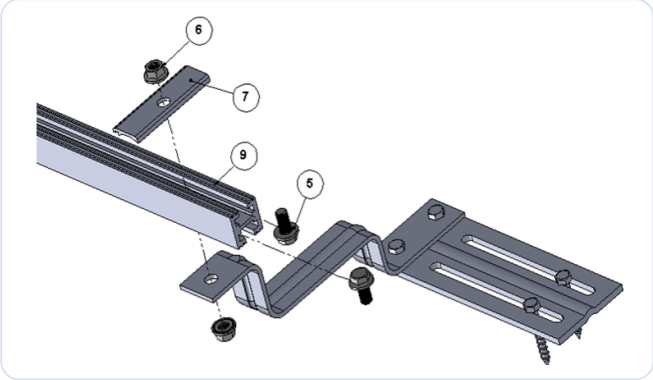
Collector kit: two collectors

COLLECTOR KIT

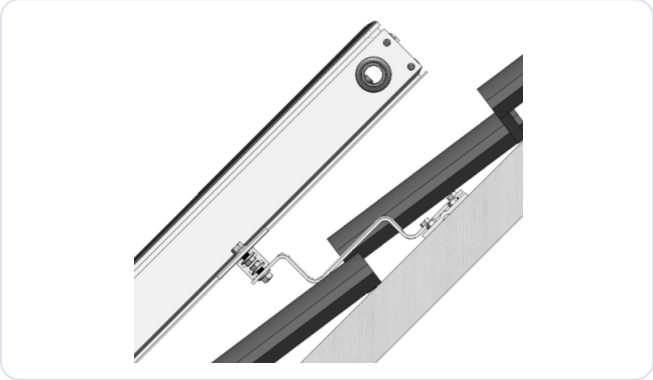
Assembly



Supports and profile **8**



Profile **9** with clips **7**



Side view: support between the tiles



Side view: lower support

1 Supports on the roof

Lift the tiles where the supports go. Screw the straight supports **1** to the roof structure with wood screws **3**.

2 "Z" supports

Fix the "Z" supports **2** to the straight supports with M8 × 12 screws **4**. Put the tiles back; the "Z" support passes between them.

3 Aluminium profiles

Bolt aluminium profiles **8** and **9** to the "Z" supports with M10 × 20 screws **5** and M10 nuts **6**.

4 Collector

Place the collector on the profiles and fix it with clips **7**. Tighten all screws and nuts.

COLLECTOR KIT

Compatible collectors

Choose the kit size by the width of your Solimpeks collector. Collectors with the same dimensions use the same kit.

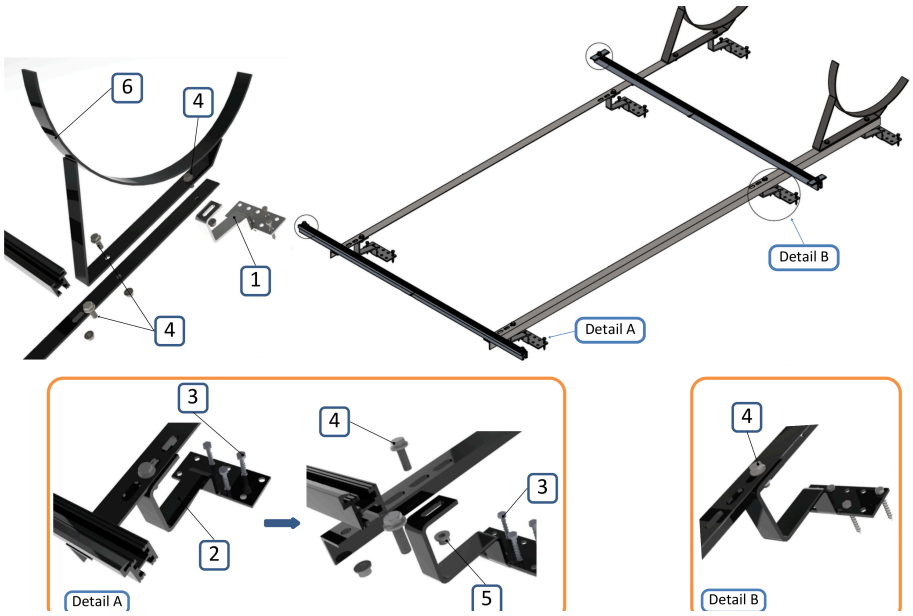
Collector	Product code	Dimensions (mm)	Kit size
WUNDER ANP 1808	ANP-1808	1927 × 927 × 90	1808
WUNDER ANSG 1808	ANSG-1808	1927 × 927 × 90	1808
WUNDER ALS 1809	ALS-1809	1927 × 927 × 90	1808
WUNDER ANP 2108	ANP-2108	1988 × 1041 × 90	2108
WUNDER ANSG 2108	ANSG-2108	1988 × 1041 × 90	2108
WUNDER ALS DRAIN 2108	ALS-DRAIN-2108	1988 × 1041 × 90	2108
WUNDER ALS 2110	ALS-2110	1988 × 1041 × 90	2108
WUNDER ANP 2510	ANP-2510	1988 × 1218 × 90	2510 / 2512
WUNDER ANSG 2510	ANSG-2510	1988 × 1218 × 90	2510 / 2512
WUNDER ALS DRAIN 2510	ALS-DRAIN-2510	1988 × 1218 × 90	2510 / 2512
WUNDER ALS 2512	ALS-2512	1988 × 1218 × 90	2510 / 2512
WUNDER ALS 2710	ALS-2710	2220 × 1218 × 90	On request
WUNDER ALS 3010	ALS-3010	2431 × 1222 × 90	On request
WUNDER ALS HORIZONTAL 2117	ALS-HORIZONTAL-2117	1041 × 1988 × 90	On request
WUNDER ALS HORIZONTAL 2517	ALS-HORIZONTAL-2517	1218 × 1988 × 90	On request

"On request": contact Solimpeks for the mounting kit of this collector. Dimensions: length × width × depth, as listed on solimpeks.com.

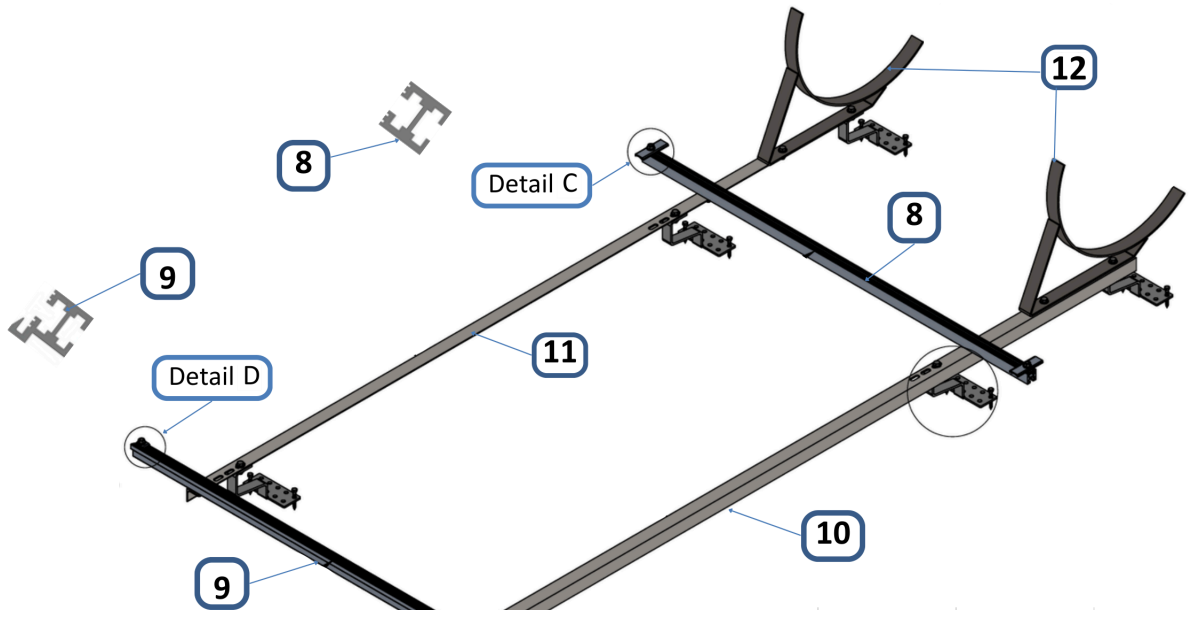
SOLAR WATER HEATER FRAME

Frame with tank holders

Frame for one collector with a TSM/TSE 200 tank. Two steel profiles (**10**, **11**) run down the roof on the supports and carry the tank holders **12** and the aluminium profiles **8**, **9**.



Supports on the roof: **Detail A** black painted support **2** with wood screws **3**; **Detail B** support fixed to the frame with screw **4**. In this drawing the tank holder is marked 6; in the parts list it is **12**.

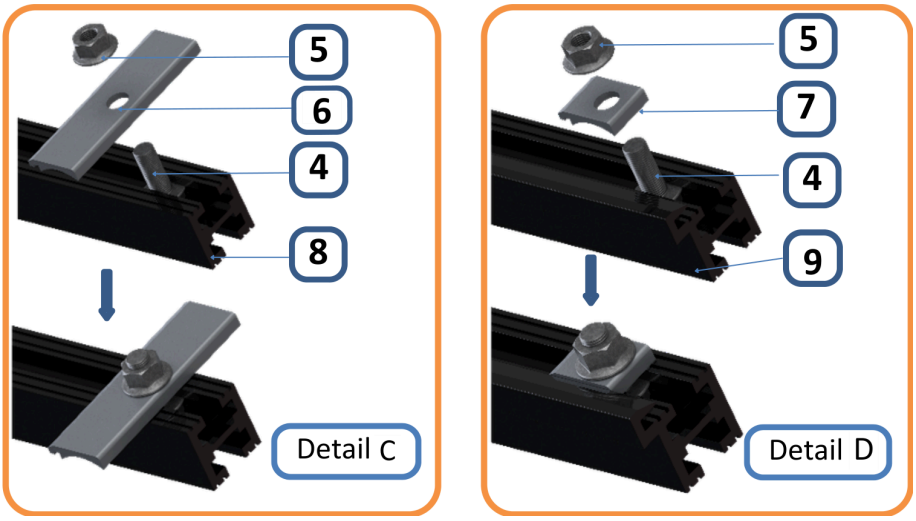


Frame: steel profiles **10**, **11**; aluminium profiles **8**, **9**; tank holders **12**

SOLAR WATER HEATER FRAME

Collector clamps and parts list

Detail C: the 90 mm clamp **6** fixes the collector on the top profile **8**. **Detail D**: the 22 mm clamp **7** fixes it on the bottom profile **9**. Slide the head of screw **4** into the profile channel and tighten with nut **5**.



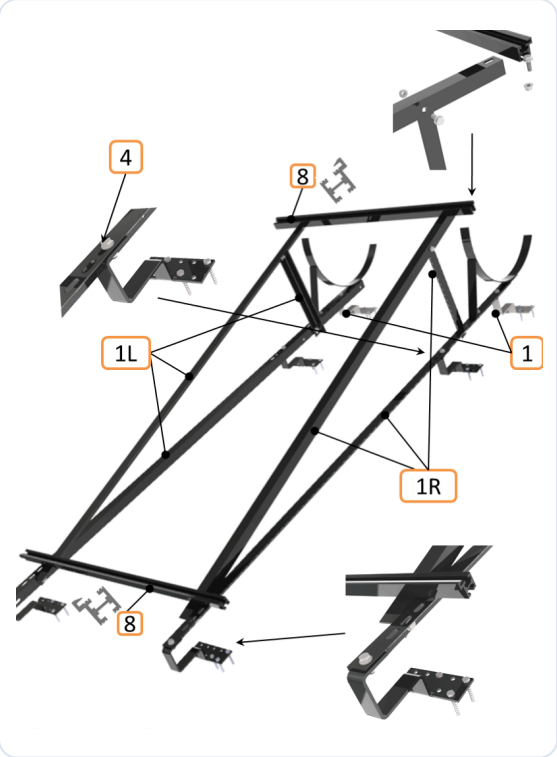
Parts list: TSM/TSE 200, one collector

No	Qty	Description / dimensions
1	2	Support (stainless steel)
2	4	Support (black painted)
3	18	Wood screw 8 × 60
4	16	Screw M10 × 25
5	16	Nut M10
6	2	Clamp, 90 mm
7	2	Clamp, 22 mm
8	1	Aluminium profile, 1400 × 40 × 40 mm
9	1	Aluminium profile, 1400 × 40 × 40 mm
10	1	Steel profile, 2450 × 40 × 40 mm
11	1	Steel profile, 2450 × 40 × 40 mm
12	2	Tank holder

SOLAR WATER HEATER FRAME

Raised installation: roof angle + 12° or + 15°

Longer frames **1L** and **1R** lift the upper end of the collector, so it sits 12° or 15° steeper than the roof. The same parts are used for one collector with a TSM 200 tank and for two collectors with a TSM 300 tank.



Part	Roof angle	+ 12°	+ 15°
Support, stainless steel	2	2	2
Support, black painted	4	4	4
Wood screw 8 × 60	18	18	18
Screw M10 × 25	6	6	6
Screw M10 × 20	4	12	12
Nut M10	10	18	18
Tank holder	2	2	2
Aluminium profile	2	2	2
Frame 1L and 1R, 40 × 40 mm (each)	2415	2415 2060 460	2415 2060 540

Frame lengths in mm. Each of 1L and 1R is made of the pieces listed.

Final checks

- Check that every screw and nut is tightened.
- Check that every support is fixed to the roof structure and that the tiles sit flat and watertight again.
- Check that the clips or clamps hold the collector frame securely before you connect the hydraulic lines.