



Apricus Solar Collector High Angle Roof Frame Feet Locations

When installing the flat roof frame, concrete blocks may need to be prepared.
The following are the distances between consecutive lateral or front and rear feet.

FRAME FRONT TO REAR FOOT SPACING:

- 51.7° = 1406mm / 55.35" (Top Front Track Hole) *
- 44.8° = 1565mm / 61.6" (Top Front Track Hole)
- 38.7° = 1688mm / 66.45" (Top Front Track Hole)
- 33.0° = 1792mm / 70.55" (Top Front Track Hole)
- 28.4° = 1725mm / 67.9" (Bottom Front Track Hole)
- 23.4° = 1775mm / 69.9" (Bottom Front Track Hole) **

* This is the maximum rear leg height. Do not extend the legs so that only one bolt is connecting them together, as this does not provide sufficient structural integrity. For an angle greater than 51.7° raise the height of the base to which the rear legs are bolted.

** In order to ensure optimal heat pipe operation, the AP solar collector should not be installed at an angle of less than 20°. Flat roof frame angle settings lower than 23.4° should only be used when installing on a pitched surface, such that the total angle is greater than 20°.

LATERAL FEET SPACING:

- 10 tube (2 legs) = 490mm / 19.29"
- 20 tube (2 legs) = 1190mm / 46.85"
- 22 tube (3 legs) = 665mm / 26.18"
- 30 tube (3 legs) = 945mm / 37.2"

In all cases the standard location for the front tracks is beneath the second tube from each end (For 22 tube and 30 collectors the third leg is located in a central position). The standard distance between the rear X brace attachment bolts on the rear legs is 600mm (4 holes). Choosing holes further apart, or closer together for the rear X brace attachment points on the rear legs will bring the feet closer together, or splay them further apart, respectively.

DISTANCE BETWEEN CONSECUTIVE COLLECTORS:

The distance between the last foot of one collector, and the first foot of the next collector (centre of feet) in series will depend on whether END or REAR port manifolds are being used. For END port manifolds, this will also depend on what connector is being used. The values below for END are based on using a straight 22C x 22C fitting.

- REAR = 165mm / 6.5" (5mm / 0.19" gap between manifold end panels)
- END = 366mm / 14.4"

Note: All values accurate to +/- 5mm.