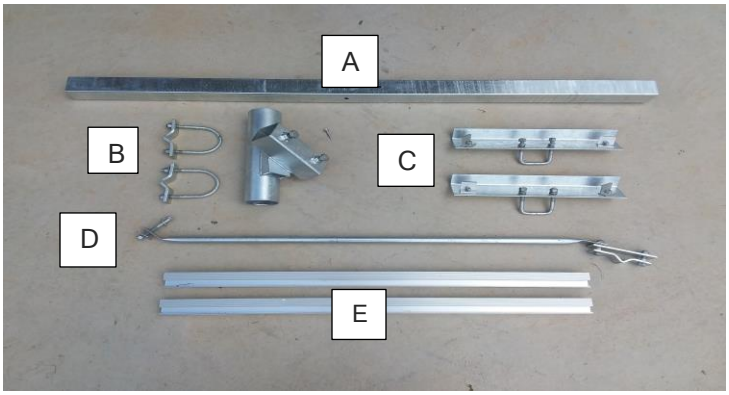
Adapt-a-Mill Installation Guide

AM1 / AM2

These models provide a platform for one or two solar panels (up to 1700mm × 1000mm) to be attached to an existing windmill tower. They are suitable for three and four post towers and comprise of a single left or right tubular housing head that is fastened inside one of the windmill tower legs. From this, a main rail supporting two aluminium Eco-rails, extends outwards and is braced back to the tower.

Components AM1 (AM2)



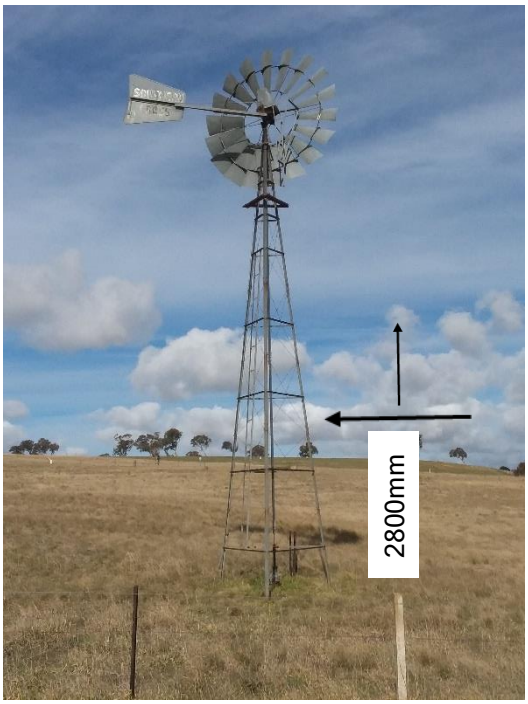
A) Main rail
B) Housing head and U-bolt assemblies
C) Cross rail support assemblies
D) Bracing arm with attachment assembly
E) Aluminium Eco-rails

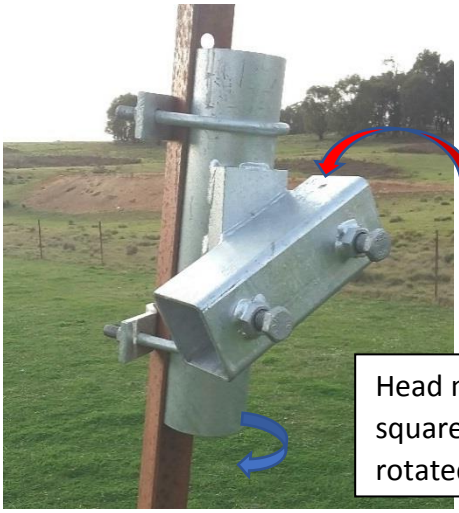
Tools Required

- Tape measure
- 6mm allen key
- Adjustable wrench
- Pipe wrench
- Tek screw driver

1) Ensure windmill tower is structurally adequate and free of loose objects.

2) Decide which tower leg and where to attach the housing head with consideration to sun exposure, livestock clearance etc. (note: the front edge of the solar panels will be approx. 800mm lower than the housing head. Suggested attachment height ~2800mm).

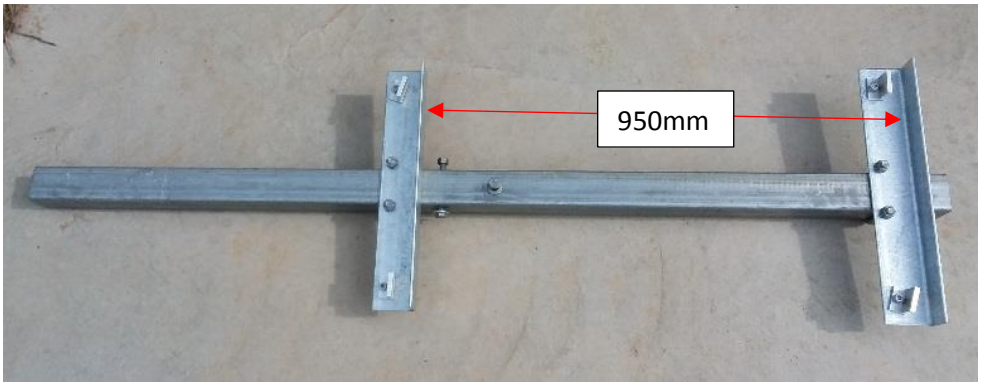




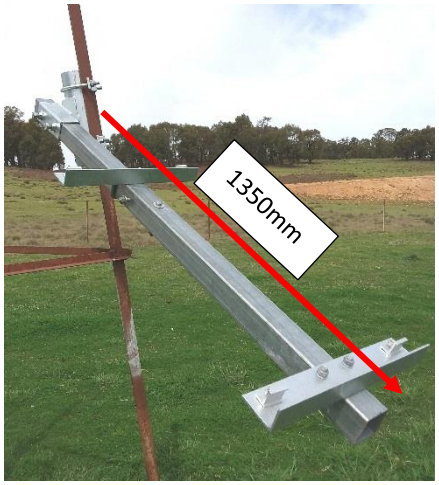
3) Position the housing head (locking screw hole at top and back) and secure with U-bolts and V-plates.

Head may be positioned square to the tower face or rotated outwards as shown

4) Using the square U-bolts attach the cross rail supports to the main rail as shown. Loosely attach the cross rail connectors.



5) Insert the assembled main rail into the housing head with approx. 1350mm extending and tighten the M16 side bolts. Insert the locking Tek screw.
Attach the Eco-rails using the cross rail connectors.



6) Attach a bracing arm from the main rail (M12 bolt) across to the most suitable position. (Ends may be bent/twisted to align as needed).

7) Ensure all bolts are tightened to complete the framework.

*Solar panel not included