

Items with multiple legs (If ground is uneven, Taper is attached at different levels)

Attach Taper to leg on highest side (340 mm from base of post) and Insert item in sockets to mark correct position for attaching the second Taper. Remove item and attach Smart Taper to second leg so that Taper finishes flush with top of ground socket (using our Smart long-life, galvanized, self-drilling screws).



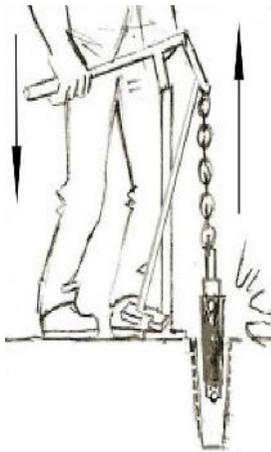
**TOOLS REQUIRED** Industrial Removal Tool or Foot tool (items must be modified to enable removal using foot tool)

You will need PH2 Phillips drive to install Self drilling screws. If using medium or heavy gauge posts you might want to pre-drill posts to make installing screws easier (4.5 mm drill bit required.)



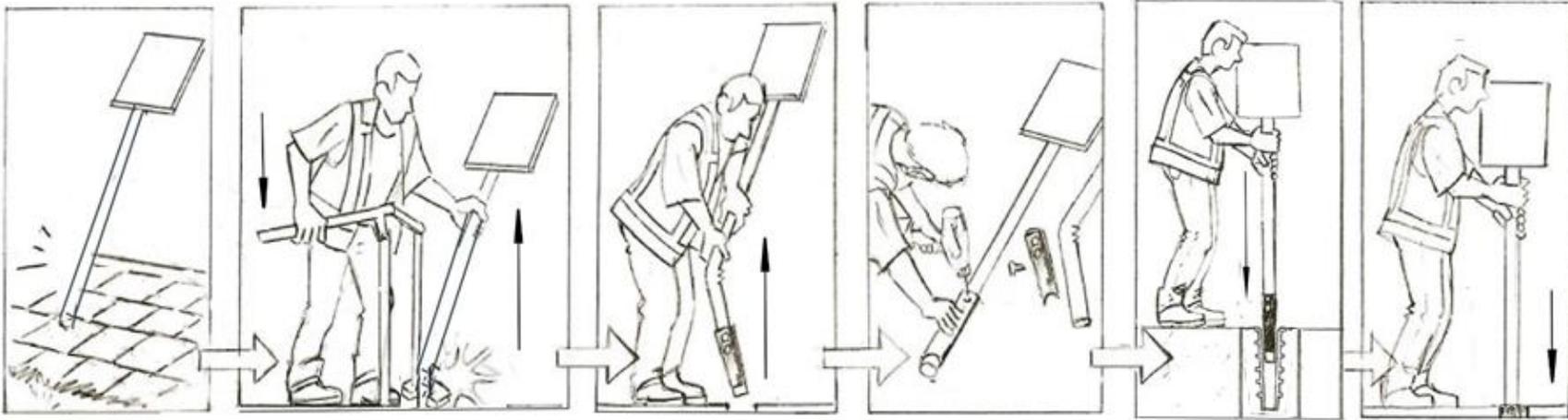
**SHEARED POST REMOVAL TOOL** (Supplied with Industrial Removal Tool) Lever open the sheared off post enough to allow the triangular head of the tool to drop down into the cavity. Hook a link of the chain to the peg at the top of the vertical lifting bar.

Place the base of the removal tool as close to hole as possible and raise the handle until the triangular head grips the inside of the post and apply pressure to handle as usual. *NB: face of tool needs sharpening occasionally.*



## Smart Sustainable Foundations directions for use





## REMOVING POSTS FROM GROUND SOCKET

### Hook tool around the post

Place base of removal tool as close as possible to the base of the post. Hook foot of removal tool around the post, (handle will rise as you do this) Move handle down with jerking action to release the post.

### Flattened posts

If base of post is bent or flattened use the base of the removal tool to lever post up enough to insert removal tool and remove posts as usual. Foot tool (like mini crow bar) can also be used for removing flattened posts and grab-rails.

### Foot tool

is used to remove the Impact Recovery System and modified items (posts with pin inserted near base of post) Tool is simply inserted under pin and pressure applied with foot to release the Taper and remove the item from the ground socket.

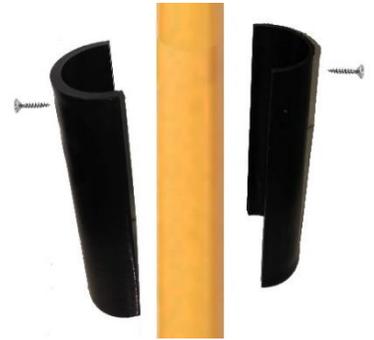
If item is removed, you must install the ground cap to protect socket from sunlight and ensure dirt and grit do not enter the ground socket



## SECURING POSTS

### Attach Taper

Use electric screw driver to remove Taper from damaged post and attach Taper 340 mm from base of post for 350 mm socket (640 mm from base of post for 650 mm ground socket) using self-drilling screws supplied. Fit second half Taper level with first. *NB: Only one screw is required to attach each half Taper (other hole is spare).*



### Drop post firmly into the ground socket

Drop item (with Taper attached) firmly into the ground socket and tap item down until Taper finishes flush with top of ground socket (IE: Does not protrude)

### The Taper is designed to be re-used

Impact after impact, year after year. If Taper does not protrude, it will not be damaged when item is impacted and can be removed and re-used time and time again. Hence two holes in Taper to accept screws (in case one wears out after multiple uses).



**IF POST IS REMOVED GROUND SOCKET MUST BE CAPPED**

**TAPER SHOULD NOT PROTRUDE FROM GROUND SOCKET**