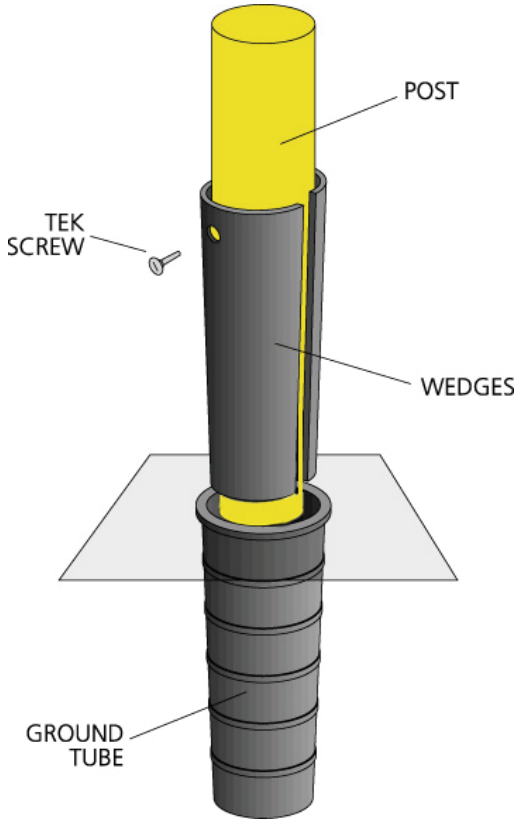
How it works

The post is simply fitted with a "self-locking taper" that identically matches the internally tapered ground socket, using both vertical and horizontal friction to secure posts with over 200 kg of upward force required to remove.

NB: If you are re-attaching your wedges on new bollards, please ensure directions are adhered to ensure correct locking capacity is achieved.



REPLACEMENT UNITS

Replacement units do not include socket.
Optional:

- Wedges attached
- Protective cuff attached
- Strengthening steel rod.

STRENGTHENING BOLLARDS

An Internal solid steel rod (ALR Strengthening rod) can be supplied to strengthen the bollard. The solid steel rod is dropped into the socket and the post is dropped over the top of the rod.

If relocated to another bollard you will need to remove the self-drilling screws and re-attach the wedges using the self-tapping screws supplied.

The rod can be re-used as required.

Installation Instructions

Please refer to Installation Instructions for use for details regarding the installation of the ground sockets Copies provided with Standard Bollards.

Specification drawings

Please refer to Specification Drawings for further details. MRWA Specifications available for MRWA projects.

SUSTAINABLE INFRASTRUCTURE SOLUTIONS
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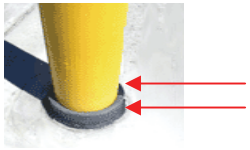
Removable Bollards
Directions for use

Sustainable Infrastructure Solutions

REFER TO SPECIFICATION DRAWINGS
For further details refer to specifications.
Call our office, or download copies from
www.sis-ww.com

INSTALLING POSTS

You simply drop the post into the ground socket, and once aligned correctly, simply tap down post to secure. Posts automatically lock in place with over 200 kg of upward force required to remove.



Ensure **5m or less of wedge** remains protruding from the ground socket, when posts are installed. This will provide sufficient protection from unauthorized removal.

REMOVING POSTS

Place base of removal tool as close as possible to the base of the post, and hook the tool around the post. Handle will rise as you do this- Simply move handle down with jerking action, to remove post.

For flattened posts use tool to lever post up enough to insert removal tool and use as usual.

CAP PROVIDED

Every unit includes a disposable polypropylene cap that can be installed, when sockets are installed when an item is removed for wide loads access. Vulnerable spot enables cap to be pierced with screwdriver for quick removal. Cap can be driven or walked over. No trip factors. Additional caps available.

WHEN A BOLLARD IS DAMAGED:

You can purchase replacement bollards (these do not include a socket as sockets are permanent. Replacement bollards come with or without wedges and protective cuffs attached- as requested.)

If you order new bollards without wedges, the wedges should be removed from the damaged bollard and re-used. Cuffs are not re-usable as they are pot-riveted onto the post.

RE-ATTACH WEDGE

There is no need to pre-drill holes as the screws are self-tapping. Using the ground socket as a gauge, wedges are simply attached to the bollard even with the top of the ground socket (IE: 150 mm for 150 mm socket/ 350mm for 350 mm socket and 650 mm for 650 mm socket). Fit second half wedge exactly level with first wedge.

- There is a spare hole on each wedge so wedges can be re-used several times. Only one screw is required to attach each half wedge.
- Replacement bollards can be provided with or without wedge attached.

Refer to specification drawings for more details.

REMOVING SHEARED OFF POSTS

Lever open the sheared off post enough to allow the triangular head of the tool to drop down into the sheared off post/ or to operate removal tool. Place the removal tool in position (close to base) and raise the handle until the gripping block is around the sheared off post.

Hook a link of the chain on to the peg at the top of the vertical lifting bar (as shown). Apply pressure to the removal tool handle, (making sure the handles of the tools are in line). Apply further pressure to remove the sheared off post.