

# USER GUIDANCE NOTES – SG4

## PERMANENT AND TEMPORARY INSTALLATIONS

Shorguard guardrail systems are designed to provide a safe and secure edge protection and must be installed following the procedures and guidance stated in this leaflet. J.P.Whelan cannot be held responsible for any accidents arising as the result of incorrect installation.

These notes should be read in conjunction with the illustrations on the reverse of this leaflet.

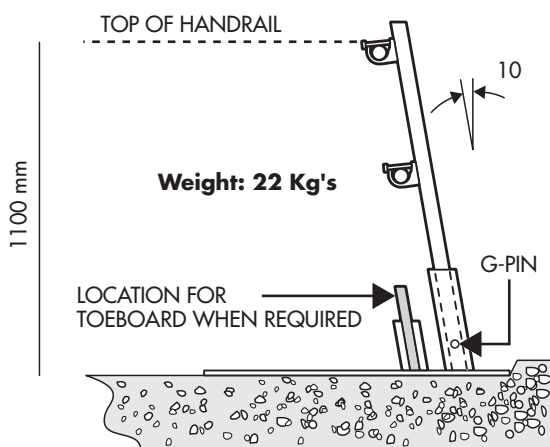
### ERECTING THE SG4 GUARDRAIL SYSTEM

1. Position the SG4 shoes at 2.00 metre centres with the captive (G) pin fully inserted into the post sleeve.
2. Insert the guardrail posts to sit on the pin.
3. Connect the guardrail tubes into the middle fitting on the posts; join the tubes with sleeves and secure returns with elbows; tighten and repeat locating the top rail.
4. Finally tighten the locking handle onto the guardrail post.
5. Position the interface pad under the base shoe and counter-weight as necessary.
6. Fit toe boards if required. **Note these should only be used for temporary works.**
7. By working in this manner the operatives can erect the system in sections back from the edge of the roof and then move it into position. This keeps the erectors always behind the guardrail or back safe from an exposed edge.
8. If the above is not possible then the erector **must** be harnessed to a secure structure or tested harness point.

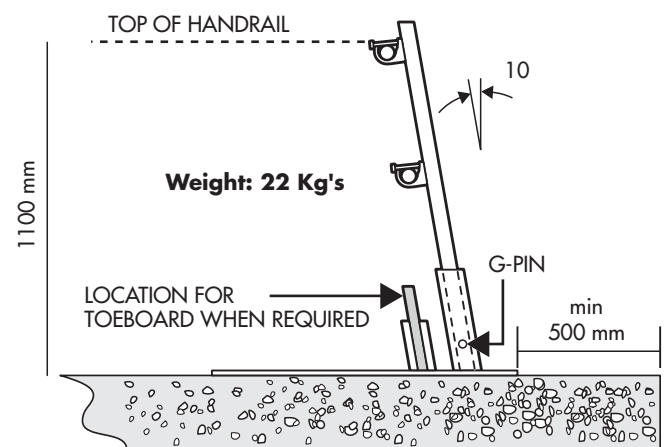
### FUNCTION OF THE LIFTING SHOE

1. When it is necessary to resurface roof areas or small repairs are required, it is essential to follow this procedure. Installers must repeat the procedure **ONE** shoe at a time over the required area.
2. Slacken the locking handle from the guardrail post.
3. Remove the captive (G) pin from the post sleeve.
4. Lift the shoe up the guardrail post and turn 90 degrees under the lower rail and lock.
5. Redressing can now be done without the need to remove any of the guardrail system and operatives always have 100% edge protection.
6. Once the area is complete, lower the shoe to the original position and replace the (G) pin into the post sleeve and tighten the locking handle.
7. These operations can then be repeated.

**Note: The (G) pin is the most important part of the system. This enables the shoe to lift and erectors must be fully conversant with these guide notes.**



Position of SG4 at edge of roof/slab



Position of SG4 where no upstand is present

**Shorguard**<sup>TM</sup>

Safe and Secure Edge Protection



The SG4 unique patented lifting shoe allows freedom to work under the post without having to remove any part of the guardrail system and thereby maintain safety

#### Notes

Where edge protection is required, never erect just a straight run leaving a free end. Always try and form a physical connection to a structure and if this is not possible utilise the SG4 Stop End Base Shoe and Counter Weight or form a minimum of a 2.00 metre return in the guardrail.

**Separate User Guidance Notes are available for the SG1, SG2 and SG3 Temporary Systems.**

**If you are in doubt how exactly to install this system you should ask your site manager/engineer for further guidance or contact Whelan Plant direct on 01959 571788.**

J P Whelan Plant, Skid Hill Lane, Chelsham, Warlingham, Surrey CR6 9PP

Tel: 01959 571788/9 Fax: 01959 571068 Website: [www.shorguard.co.uk](http://www.shorguard.co.uk) Email: [info@shorguard.co.uk](mailto:info@shorguard.co.uk)



Tested and approved

The Shorguard range has been independently tested by Lloyd's Register. All the systems comply with The Construction (Health, Safety and Welfare) Regulation 1996 Schedule 1 and EN13374 "Temporary Edge Protection Systems". Shorguard SG4 complies with the requirements of section 6 of the Health & Safety at Work Act 1974. Shorguard SG1, SG2 and SG3 comply fully with BS 6180, 1982.



**Safe and Secure Edge Protection**



Cat ladder connection



Stop End Shoe extension



Wall Plate fixing