

**TECHNICAL DATA SHEETS**  
**1.8m Mesh Edge Protection**



**1.8m MESH EDGE PROTECTION**  
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Issue No: 01 Issue date: March 2020	Sheet 1 of 3	National Trench Safety can support your project. Call our National Team - 03332 076 007
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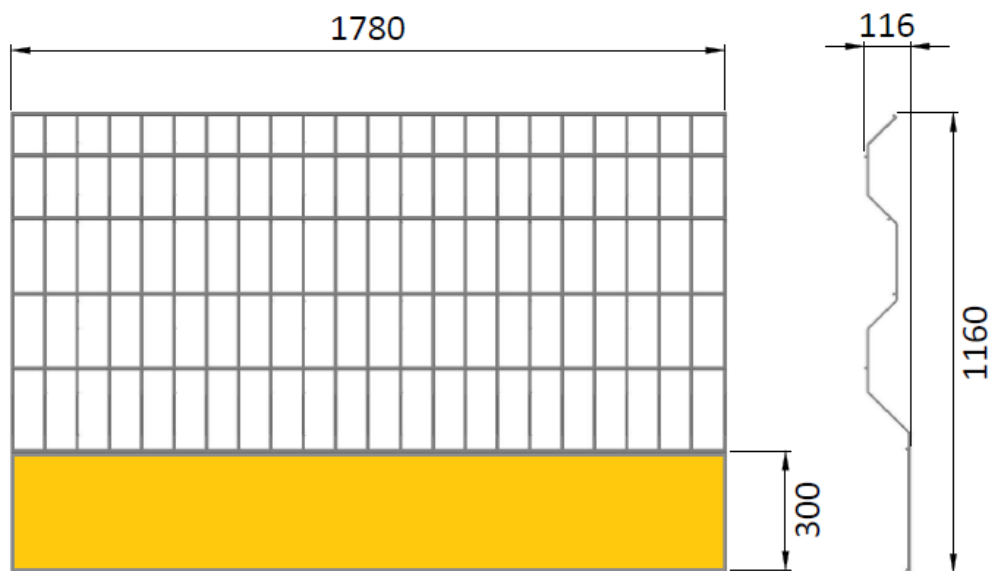
# TECHNICAL DATA SHEET

## 1.8m Mesh Edge Protection



### Protecting site personnel from open excavations and falling debris

- NTS 1.8m mesh edge protection conforms to the latest temporary edge protection Legislation BS EN 13374.
- Incorporating a built in toe board, to prevent debris from falling onto personnel working below.
- Compatible with all NTS box systems, steel trench sheets and sheet piles
- Lightweight for ease of use/ quick installation. Various connecting brackets available to allow connection to the full range of NTS products



**WEIGHT: 11.5 Kg; HEIGHT: 1160mm; LENGTH:1780mm**

**All excavation work must be thoroughly planned before work commences on site to identify hazards and assess risk. Non-standard applications should be approved by a suitably qualified engineer. Ensure all personnel engaged in installation operations are properly briefed and adequately supervised by a competent person.**

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## Installation

After the trench sheets/box has been installed in the ground, the post clamps must firstly be fitted securely. A minimum of two clamps are required for every mesh panel.

In trench sheets/sheet pile applications, install the clamps on to the top of two trench sheets of similar height. Where practical, the clamps should be fitted on the 'in-pan', or the earth-retained side of the Sheeted wall/panel to ensure the kick board provides maximum protection from falling debris. The clamp must engage to full throat depth before hand tightening by means of the T bar screw.

The vertical posts can now be fitted into the sockets provided in the clamps. Ensure the sockets are clear of debris so that the posts fully engage within the sockets. The clamps/posts should also be set to be as near to vertical as possible.

Working in pairs, with one person stood at the end of each panel, raise the panel above the height of the posts and carefully lower over the posts; threading through suitable holes in the mesh profile. Ensure that the posts remain as vertical as possible.

When all the edge protection panels has been secured, excavation of the site can proceed and temporary works installed.

- Take adequate precautions during installation particularly against trips and falls. Consider temporary fall arrest restraint if conditions dictate
- Check the system regularly for security
- Ensure clamps are always tight Ensure posts are fully inserted into the clamp
- Ensure posts are near vertical Ensure that the Kick Board on the mesh panels protrudes below the tops of the sheets of box panels
- Store unused components in the stillage provided
- Ensure non standard installation methods are approved by a competent person
- Take care to avoid trapping fingers at all stages of work
- DO NOT Lean on or subject the system to unnecessary load
- DO NOT Move a sheet/trench box with the barrier attached
- DO NOT Over tighten the clamps
- DO NOT Use damaged components

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