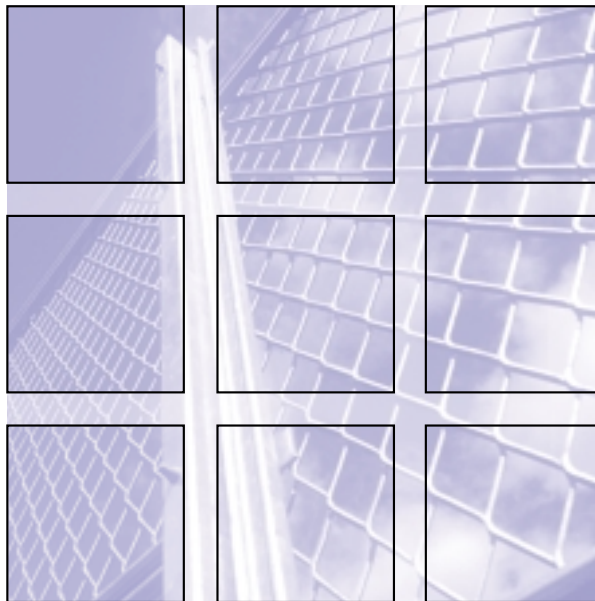


# DIAMOND INSTALLATION DETAILS



**1****POSTS**

Determine the location of the posts at intervals of 3.0 metres (from centre to centre). Identify front face of posts. (Nutserts on front face). Set the base of posts in concrete block.

**2****FIX CLAMPS TO POSTS, FIX STRINGERS TO CLAMPS.**

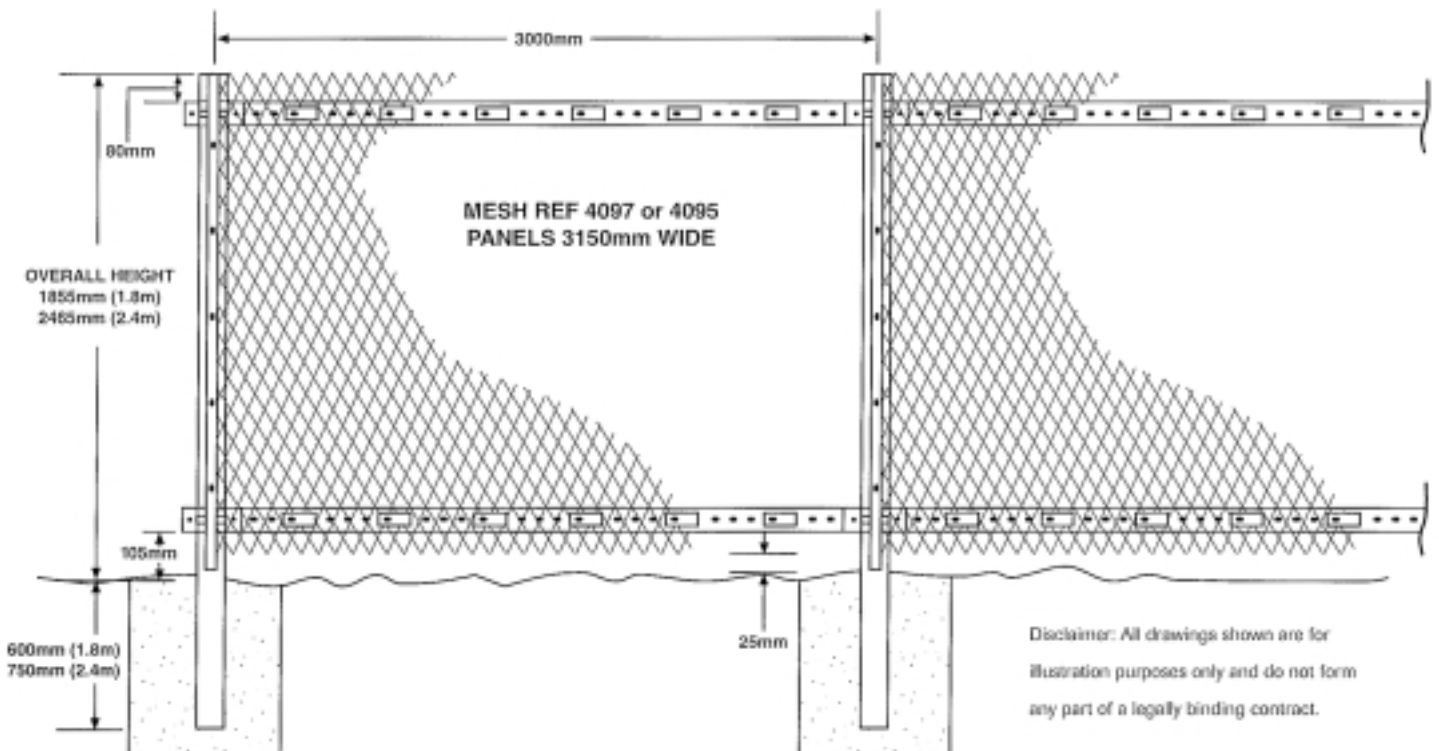
a. Diamond post clamp assembly (Fig 1).  
 b. Diamond stringer assembly (Fig 2).  
 Assemble clamps to top and bottom of post and attach stringers. Front face of post clamp identified with slot.

**3****FIX MESH TO STRINGERS AND POSTS (FIG 3)**

- a. Diamond stringer assembly
- b. Diamond clamp strip assembly

For ease of hanging mesh – temporarily insert top security fastener into posts and hang mesh onto fastener. Clamp mesh to stringers using latch clamp and bolt. (Six latch clamps per stringer equally spaced). It is beneficial to encapsulate two mesh knuckles where possible. Mesh panels should overlap at posts by three meshes. Remove ‘temporary’ top fastener and assemble clamp strip to post using fixings provided.

General note:- Ensure that all mesh sheets are assembled with the angle of the strand running in one direction.



Disclaimer: All drawings shown are for illustration purposes only and do not form any part of a legally binding contract.

**4****FIXING ON SLOPING OR UNDULATING GROUND**

The Diamond System is suitable for use on sloping and undulating ground conditions. Further advice is available.

# 5

## DIAMOND POST CLAMP ASSEMBLY

Used to clamp stringers to posts.

- Fixings/Posts  
 2 Male post clamp brackets  
 2 female post clamp brackets  
 4 35mm x 35mm stringer clamp plates  
 4 M8 x 35 cup square bolt + nut

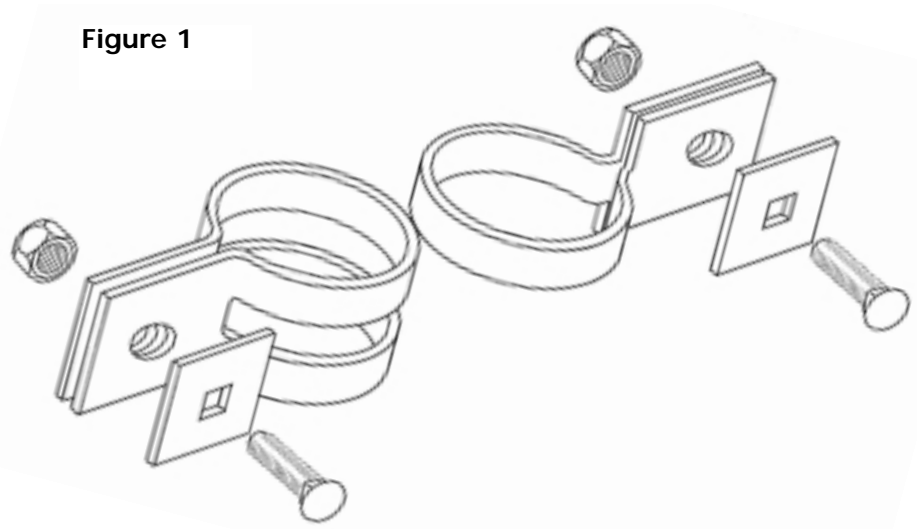


Figure 1

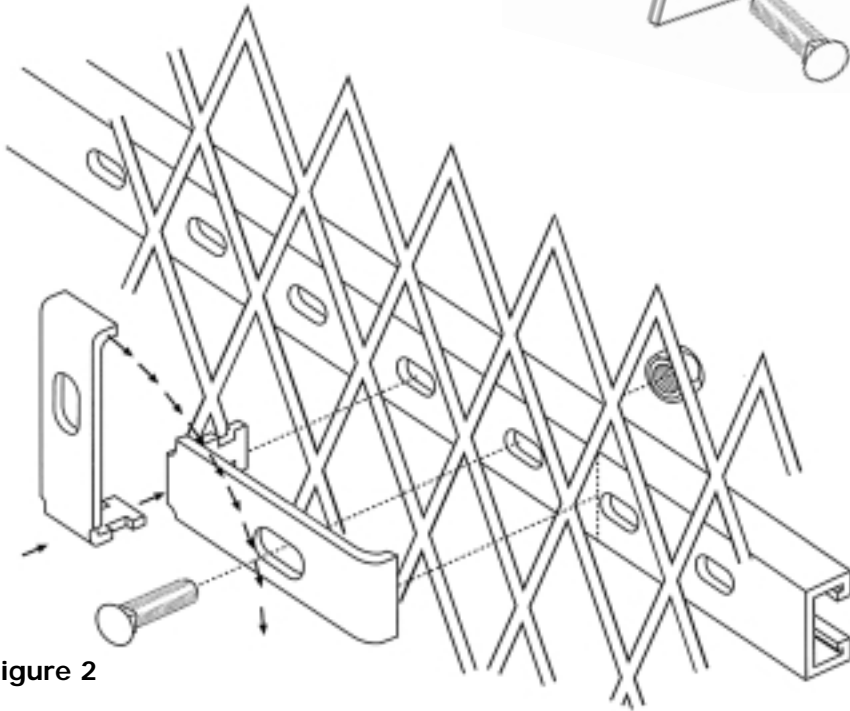


Figure 2

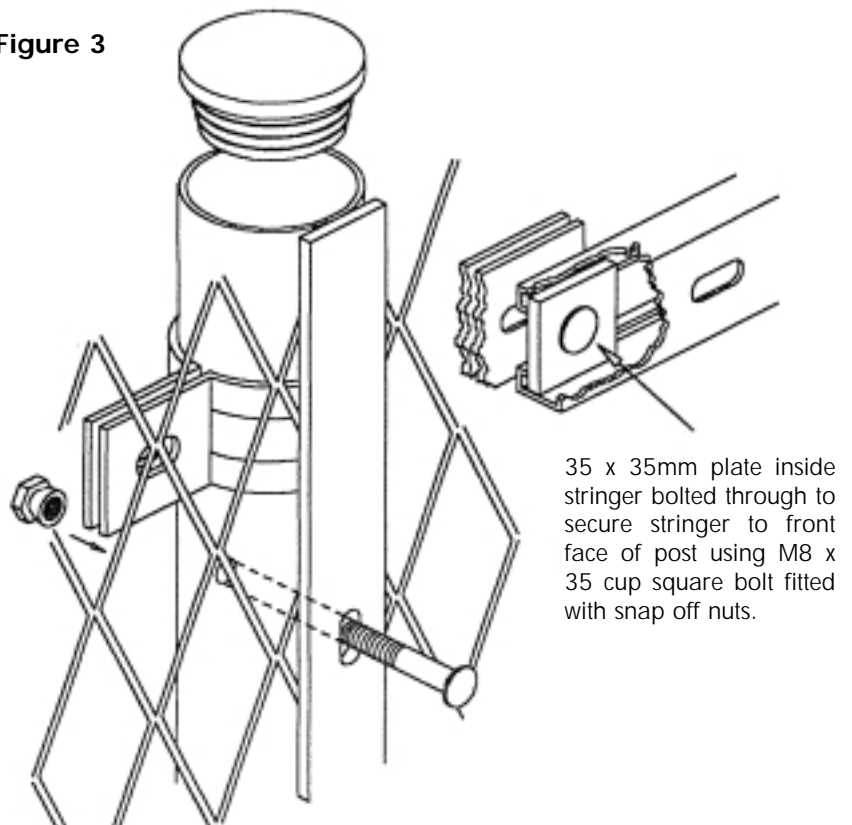
# 6

## DIAMOND STRINGER ASSEMBLY

Used to clamp mesh panels to stringers

- Fixings/Panel  
 2 Stringers (2920mm long)  
 12 Latch clamps  
 12 M8 x 25 cup square bolt & nut  
 Insert latch clamp vertically through mesh into stringer slot.  
 Turn latch clamp 90 degrees and locate M8 x 25 cup square bolt through clamp and stringer.  
 Tighten nut and bolt, securing mesh to stringer, encapsulating two mesh knuckles with clamp, where possible.

Figure 3



35 x 35mm plate inside stringer bolted through to secure stringer to front face of post using M8 x 35 cup square bolt fitted with snap off nuts.

# 7

## DIAMOND CLAMP STRIP ASSEMBLY

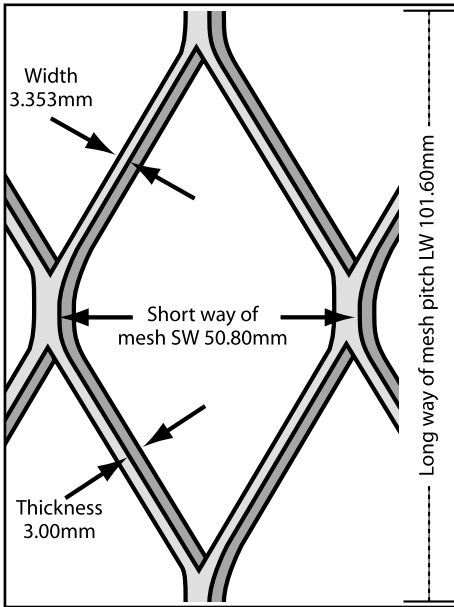
Used to clamp mesh to posts.

### FIXINGS/POSTS

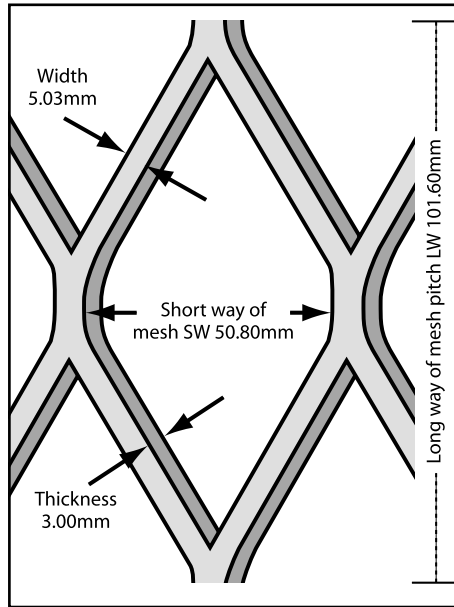
The clamp strip is now attached using M8 x 90 carriage bolt with snap off nuts bolted through the post as shown in Fig 2.

Note: If bolt protrusions exceed requirements. Cut off and dress excess thread on post bolts after installation is complete.

# DIAMOND TECHNICAL INFORMATION



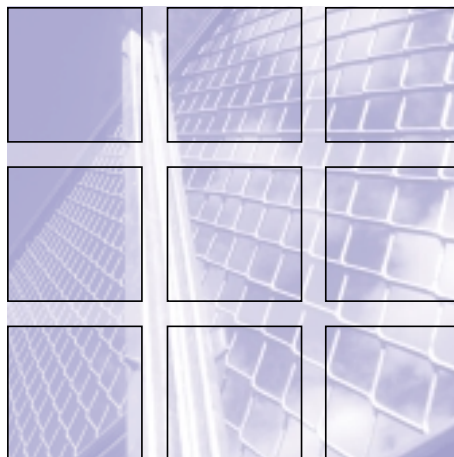
MESH REFERENCE 4097



MESH REFERENCE 4095

## EXPAMET DIAMOND SYSTEM – TECHNICAL INFORMATION

Height Above Ground	1.8 Metre	2.4 Metre
Panel Size	1830 x 3150	2440 x 3150
Mesh	4097/4095	4097/4095
Post Centres	3000mm	3000mm
Stringers (2 per panel)	Code DSTG 2920mm long	Code DSTG 2920mm long



**Expamet Security Products**