

# Pallifence

Install Thirty Metres In Under Four Hours

No Welding  
No Bolts  
No Nuts

## South African Design



**Fig.1** Nine pales are laid on the ground. Place one cross member across the top and one across the bottom.



**Fig.2** Slide pales through profile cut out on cross members (held captive by the dimples on each pale).



**Fig.3** Semi assembled section. (on the ground).



**Fig.4** Repeat instructions in Fig.2 and slide the two cross members towards one another up to the point of the dimples on the pales.



**Fig.5** At this stage the two metre section is ready to be secured into the post.



**Fig.6** Insure tapered lock pin is on hand to be secured in locking slot.



**Fig.7** Place tapered lock pin into position.



**Fig.8** The post is now ready to have the extended pale secured in designated groove.



**Fig.9** Raise extended pale above post and locate groove.



**Fig.10** Slide pale down until stop piece locates itself on top of post cap.

**Note:** This pale has two dimples below ground which lock into the concrete making the system 'tamper proof'.

No Welding

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**Note:** The nine pales and two cross members pack one on top of the other and slide into the post for easy transportation and storage.



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## **Palifence Security Systems and Accessories**

### **General:**

“ Palifence” is a unique Registered Patented South African Designed Security fencing system which is installed without the use of welding, bolts, rivets or any other fastening method and once installed and set in concrete is impossible to dismantle.

One of the main features of “Palifence” is the ease of installation in that thirty running Metres can be installed in under four hours in comparison to a welded system which would take two to three days.

Another advantage is in the storage and transportation. The system is designed in such a way that the cross members and pales are formed in the same profile and are placed one on top of the other and slide into the pole. Three hundred metres of “Palifence” can be stored in an area of three cubic metres as against 28 to 30 cubic metres of conventional palisade fencing.

“Palifence” can also be attached to walls or concrete/brick pillars thereby replacing the standard pole.

Gates are also manufactured in the same design as the fence.

### **Material:**

The Pales and Cross members are formed from 2mm hot rolled flat mild steel coils on our rolling mill and are identical in shape. The profiles having one 90 degree angle in the centre and two 45 degree angles on the sides for extra rigidity and strength.

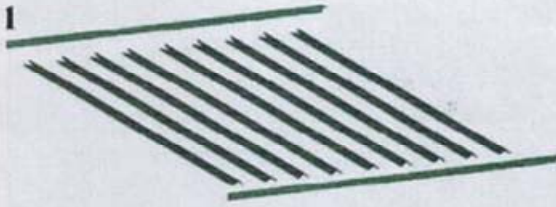
The posts are manufactured from 2mm thick hot rolled mild steel sheets which are bent on a pressbrake in our factory forming a unique open fronted fence post which accommodates the pale. The top is angled at 45 degrees and has a cover plate fitted for weather protection.

The pale which fits into the post can be extended to accommodate the bobbins required for an electric fence as well as the option of having the bobbins all the way down to electrify the entire fence.

Various options are available in both the length of the cross members as well as the height of the pales. This is dictated to by the required length between the two posts. The standard gap between the pales is 100mm but this can vary according to requirements. The width of the pales are 78mm and the pole is 86mm."Palifence" is available in the following finishes;

**UNTREATED, RED or BLACK OXIDE (PRIMER), POWDER COATED, ENAMEL PAINT, GALVANISED, Electro-plating**

## Pallifence



**Fig.1**

**Nine pales with spikes are laid on the ground. Place one cross member across the top and one across the bottom**



**Fig. 2**

**Slide pales through cross members (held captive by the dimples on each paling.)**



**Fig.3**

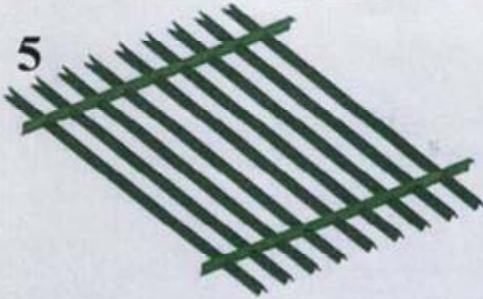
**Close-up of profiles punched out in cross members. Paling is slid through profile up to the dimple.**



**Fig.4**

**Semi assembled section. (On the ground)**

## Pallifence



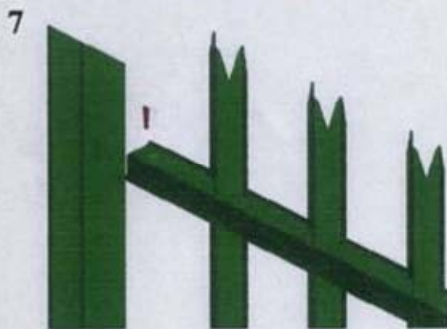
**Fig.5**

Once pales are secured into slots on the cross members, slide the two cross members towards one another up to the point of the dimples on the pales.



**Fig.6**

At this point the two metre section is ready to be secured into the pole.



**Fig.7**

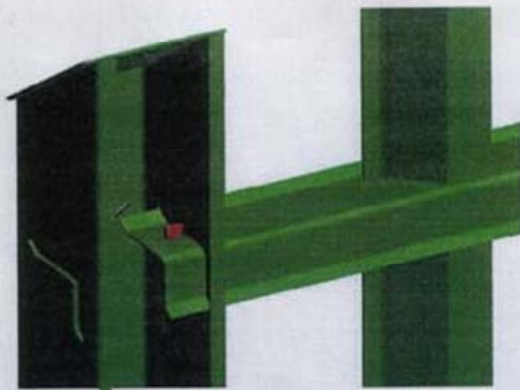
Cross member of two metre section is now ready to be slid into profile on pole. Insure tapered lock pin is on hand to be secured in allocated slot.



**Fig.8**

Once cross member is in position, place tapered lock pin in designated slot on inside section of post.

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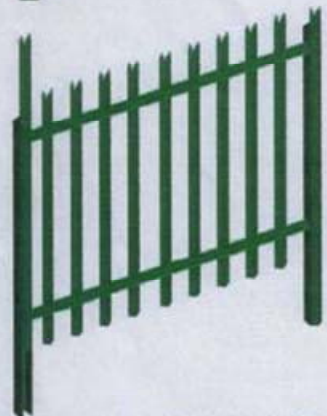
**Fig.9**  
 Cross members and locking pins are securely in place, the pole is ready to have extended pale secured in designated grooves.

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**Fig.10**  
 Raise extended pale above pole and locate designated groove.

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**Fig.11**  
 Slide extended pale down designated groove as far as the stop piece which will automatically locate itself on pole cap.

**Note:** This pale has two dimples below ground level which will lock into the concrete.

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**Fig.12**  
 Two metre section is secured in the ground with concrete and is now tamper proof.

**Note:** The locking pin is now inaccessible and prevents the removal of the cross members or any other component.

## NOTE

### No Welding Required.

-Aprox Time Required for a Semi Skilled Labourer to Assemble a Two Metre Section = 10 Min.

-For Transportation - Pales and Cross Members Are Packed One on Top of the Other and Slide Into the Post. (The Volume Metric area of One Post contains Two x Two Square Metres of Pallifence.)

The final product can be prepared in the factory in the required finish eliminating any post erection activity





**Alberton – 30 June 2006**



**Mid-Rand project 1 July 2006**



**Mid-Rand project 1 July 2006**



**Reading Golf course**



Meyersdal



Alberton – 30 June 2006



Meyersdal



Road Closure



**Road Closure**



**Alberton – 30 June 2006**



Rennies – 19 February 2008



Ready to erect

