



# Aluminium Water Frames

## USER GUIDE

[www.actavo.com](http://www.actavo.com)

Actavo 

Health and safety legislation states that construction equipment users should formulate a site specific Safe System of Work to undertake any work they are planning. This leaflet was designed to offer basic instruction of Shoring Equipment Systems including the assembly, installation and extraction of Waler Frames. The correct sizes and weights of the components will also be shown so that use of equipment can be planned ahead. It is necessary that users enforce the appropriate safety practices of excavations and trenching throughout installation.

# Aluminium Waler Frames

The users of Shoring Equipment should be familiar, confident and competent when handling and installing boxes and accessories. Actavo excavation systems can be supplied with a full range of additional safety products including ladder access and guardrails as well as various other ancillary products. These products are designed to act in accordance with the practice of Shoring Equipment and meet the requirements of the Lifting Operations & Lifting Equipment Regulations, Work at Height Regulations and the Confined Spaces Regulations.

Personnel should make themselves aware that certain conditions such as the close proximity of structures, site roads, railways and excavated materials near the trench can all increase surrounding earth pressures. If in doubt please seek advice.

For additional details please contact Actavo Shoring Department on:

**Freephone: 0800 083 7466**

Email: [shoring@actavo.com](mailto:shoring@actavo.com)

**FREephone: 0800 083 7466**

# ASSEMBLE



**Stage 1:**  
Slot the struts onto the first rail.



**Stage 2:**  
Secure in place with pin and clip.



**Stage 3:**  
Add the second rail slotting  
the struts onto it.



**Stage 4:**  
Pump the struts out with the  
Hydraulic Pump to required width.

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# INSTALL



**Stage 1:**  
Dig the starter trench.



**Stage 2:**  
Lower the frames into the trench on top of each other.



**Stage 3:**  
Install the trench sheets into all four corners.



**Stage 4:**  
Connect top frame to handling point on the Trench Sheets.



**Stage 5:**  
Dig below lowest frame, drive in the remaining trench sheets and add restraining chains.



**Stage 6:**  
Pump the frames to prevent trench instability.

# REMOVAL

Backfill and compact to underside of bottom frame, and remove. Repeat for top frame and backfill to ground level, then extract sheets.

**FREEPHONE: 0800 083 7466**



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## SAFETY TIPS

- Please seek advice when using Waler Frames on unstable ground, near site roads, railways and within close proximity to structures due to increase in Earth Pressure.
- Plan all excavations ahead of time to ensure that the correct lifting operations can be used.
- Ensure that all personnel required to install this equipment are suitably trained and supervised whilst assembly and installation is in progress.
- Inspect all components before use.
- Trench Sheets should never be left flying above the base of the excavation.
- Never remove braces or sheets whilst personnel are inside the excavation.
- Do not enter excavation until braces/rams are up to pressure, and locked off.
- Do not over extend the braces or rams.
- Seek advice if you are in doubt.

# ANCILLARIES



Aluminium Waler Frames	3m Frame	4m Frame	Mechanical Extension Range
Cylinder Type A (mm)	550-850	550-850	1050-2550
Cylinder Type B (mm)	750-1320	750-1320	1250-3320

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