



TURBOTM
SCAFFOLDING

**H FRAME
FORMWORK SYSTEM**

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FORMWORK

Product Guide



Turbo H Frame System for your shoring needs.

3 COMPONENT SYSTEM

The H Frame system uses only 3 basic components:

- Frames
- Braces
- Adjustable screw Jacks

These components deliver real benefits:

- Design versatility
- Inventory cost savings
- Improved productivity
(handling, erection, stripping & storing)

INVENTORY COST REDUCTIONS

- Selection, assembly & erection are simplified
- Stripping is more orderly and easily managed
- Transport & storage are easy
- Storage space is less

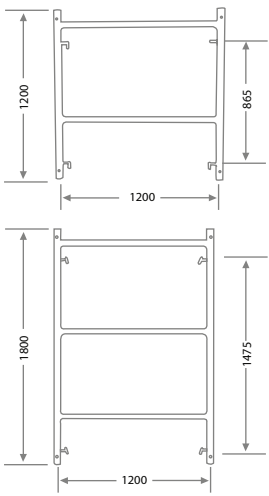
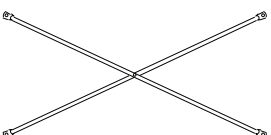
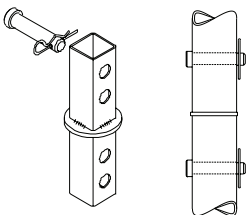
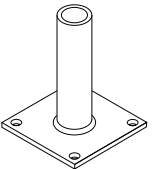
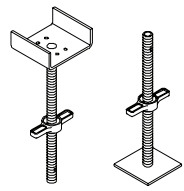
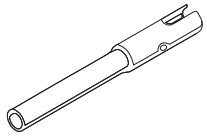
H FRAME IMPROVES YOUR PRODUCTIVITY

- The H FRAME components are easy to handle and light weight
- Erection & stripping speeds are maximised
- The simplicity of the H FRAME system minimises costly errors
- The H FRAME components are compactly designed & easy to transport & store

H FRAME OFFERS VERSATILE DESIGN

- H FRAME design involves large grids & offers flexibility of support arrangements. These, in turn, make it easier for the engineer to increase or decrease frame grid positions relative to the concrete thickness to be supported.
- H FRAME also offers a shoring capability with height adjustment & heavy load-carrying capacity, in accordance with AS3610. When working at above 2m above surrounding ground, suitable fall preventions must be implemented.
- H FRAME is the ideal system for civil engineering projects such as the laying of heavy slabs or beams the construction of highway bridges.

Turbo H Frame System – Components

| Product | Description | Code No. | Mass kg (nom.) | | | | | | | | | |
|---|--|----------------|----------------|-------------|------|------|------|------|------|------|----------------------------|----------------|
|  | <p>H Frames</p> <p>H Frames come in five basic sizes. They can be connected to each other using Cross Braces to form a tower and vertically using Vertical Frame Connector to form the required height.</p> <table><thead><tr><th>Height</th><th>Width</th><th>Pin Spacing</th></tr></thead><tbody><tr><td>1800</td><td>1200</td><td>1475</td></tr><tr><td>1200</td><td>1200</td><td>865</td></tr></tbody></table> <p>Latch Pin</p> <p>Fast-action Drop Latch Pin accepts tubular cross brace & immediately locks in position. Also used to accept Link Spacer</p> | Height | Width | Pin Spacing | 1800 | 1200 | 1475 | 1200 | 1200 | 865 | F1.8MHFRAME F1.2MHFRAME | 23.00 16.50 |
| Height | Width | Pin Spacing | | | | | | | | | | |
| 1800 | 1200 | 1475 | | | | | | | | | | |
| 1200 | 1200 | 865 | | | | | | | | | | |
|  | <p>Tubular Cross Braces</p> <p>Braces allow frames to be used in towers. Large range available to suit varying latch pin spacing on frame legs.</p> <table><thead><tr><th>Pin Spacing</th><th>Bay Size</th><th>Length C/C</th></tr></thead><tbody><tr><td>1475</td><td>1540</td><td>2155</td></tr><tr><td>865</td><td>1540</td><td>1766</td></tr></tbody></table> | Pin Spacing | Bay Size | Length C/C | 1475 | 1540 | 2155 | 865 | 1540 | 1766 | F1.8MHBRC F1.2MHBRC | 6.50 5.90 |
| Pin Spacing | Bay Size | Length C/C | | | | | | | | | | |
| 1475 | 1540 | 2155 | | | | | | | | | | |
| 865 | 1540 | 1766 | | | | | | | | | | |
|  | <p>Frame Connector</p> <p>Connector is used to allow support frames to be connected vertically. Connector features 4 holes to allow H FRAME to be connected to similar frame systems. When crane handling is required, a bolt must be inserted through the frame legs & frame connector & secured in position with a nut.</p> <p>Connector for H frames.</p> | CHF | 0.50 | | | | | | | | | |
|  | <p>Plain Base Plate</p> <p>150mmx150mm base plate used on flat surfaces, where jacks not required.</p> | PBP | 1.60 | | | | | | | | | |
|  | <p>Adjustable Screw Jack</p> <p>Adjustable screw jacks allow up to 600mm extension. U-Head measures 210mm clear between side plates.</p> <p>Adjustable Screw jack Base 760mm Adjustable Screw jack U-Head 760mm</p> | 40HBJ 40HUJ | 6.30 10.30 | | | | | | | | | |
|  | <p>Frame Extender</p> <p>Extenders are used to allow Frames to increase the height by 305mm</p> | HFE | 2.80 | | | | | | | | | |

Dos & Don'ts for correctly using H Frames

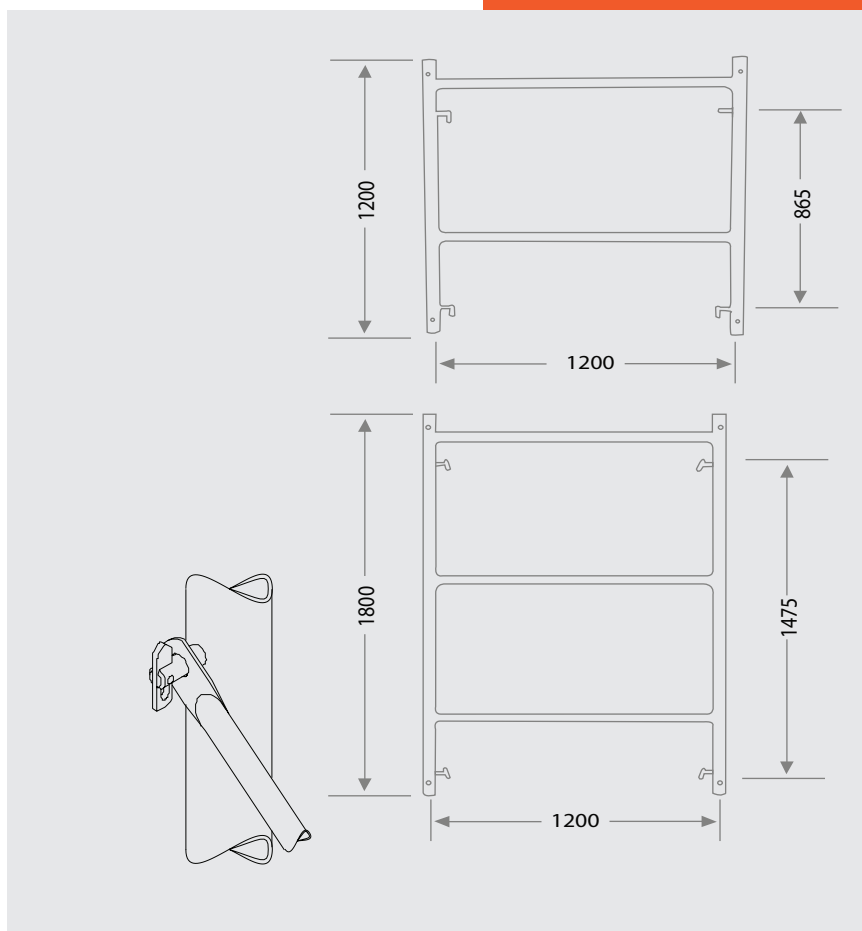
- Always use adjustable screw jacks or base plates under H frame legs.
- Soleplates with adequate rigidity must be used under solid adjustable screw jacks or base plates when bearing on foundations other than concrete.
- Soleplates should span between at least two adjacent frame legs and must be positioned in the direction which limits the rotation of the adjustable screw jacks or base plates.
- Soleplates must be sized to evenly transfer the applied loads to the foundation.
- Ensure that adjustable screw jacks or base plates are in full contact with their supports.
- Falsework assembly must be supported on sound foundation material which provides adequate bearing capacity to support the applied leg loads.
- Stability of falsework and formwork assemblies must be maintained at all times and, if necessary, adequate bracing and anchoring must be provided.
- Do not use equipment which has a dynamic effect on falsework assembly unless permitted by design or an approve engineer
- Frames must be assembled the right way up, with latch pins vertical under gravity.
- Braces must NOT be forced to fit on frames. Damaged components must not be used at any time
- Extension of adjustable screw jacks must be limited to a maximum of 600mm, and as specified by formwork design.
- Check and monitor falsework and formwork assemblies and their components prior to and during concreting operations, to ensure they are in accordance with the specified requirements.
- When working at heights 2m or more above surrounding ground, suitable working platforms or other fall prevention methods must be implemented. Refer to State's regulatory requirements for further information.
- This brochure and the information printed herein conform to the requirements of AS3610.

Disclaimer

1. The photos printed in this brochure show construction sites whose operation is not our responsibility. As a consequence, we cannot influence whether instructions for erection and/or use are properly observed or whether safety regulations are complied with, especially as these are momentary photos that do not represent the final and definitive state of product use.
2. Consistent with the continued development and improvement of Turbo products, the details contained in this brochure may be changed without notice.
3. The safe use and application of the products must be in accordance with AS3610, Occupational Health & Safety Act, approved Industry Codes of Practice, and any other Regulatory Authority requirements.



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