



MGF Wall Bridge - User Manual

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1.0 INTRODUCTION

The MGF Wall Bridge is designed to facilitate transfer of personnel over high-level walls or obstacles, providing a temporary up – over – and down crossing point. It can be easily lifted into position, and re-located as required, to replace the expense of using scaffold towers and the associated fitting and moving costs.

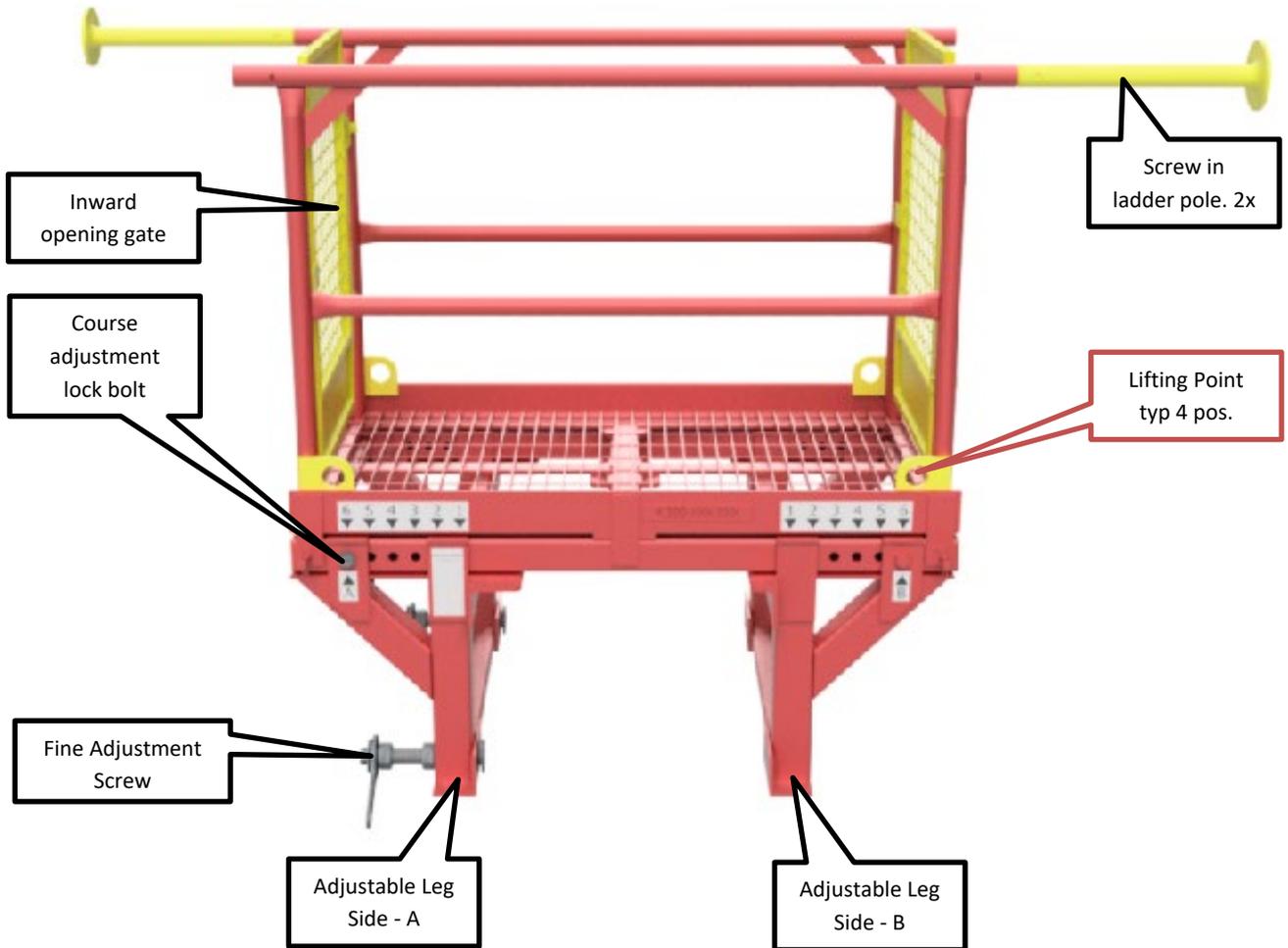
2.0 FEATURES

- Adjustable leg positions to suit varying wall thickness.
- Fine adjustment, fitting screws on one wall side only to facilitate fitting ease.
- Optional door opening configs (left or right hinged) – always open in.
- Optional ladder pole configs – poles can be fitted lh or rh.
- Secondary ladder lashing point with various positions.
- Compatible with MGF wooden and GRP ladders leaning rung ladders and MGF Gangway ramps.

4.0 SAFETY

- Should questions regarding this manual arise, contact MGF.
- Proper shoring and safety precautions must be in place if working below ground level.
- Wear appropriate personal safety equipment including, but not limited to: hardhat, safety boots, safety glasses and gloves.
- Ensure all safety gates are in place, orientated correctly and in good repair.
- Only lift the Wall Bridge by its designated lifting points. DO-NOT lift by lashing to any other points as this could cause damage, or failure.
- Write a Lifting Plan, Risk Assessment and Method Statement prior to works, identifying safety procedures as deemed necessary by an experienced operator.
- Be aware of overhead obstructions including power lines.
- Ensure all Bolts, pins and R-clips and ladder poles are securely fitted / tightened.
- Inspect all components before the start of every shift.
- Always provide suitable exclusion zones around the units during assembly and installation.
- Always be aware of individual component weights and final assembly weights using adequate lifting equipment and good manual handling practices where appropriate.
- Use suitably rated chains when lifting the item into position. Always use all four lifting points provided, and do not lift the item by any other features than its designated lift points.
- Ensure the wall or item that the Wall Bridge is to be fitted to is sound and capable of supporting loads imposed by the equipment. MGF assume no responsibility for what this is fitted to or its structural integrity or capable strength. It is entirely the user's responsibility.
- If wall bridge is not fitted to wall (ie during storage, transport etc) ensure the legs are adjusted to the widest setting A6 / B6 to give it maximum stability and reduce danger of toppling.
- Ensure the location of the Wall Bridge allows clear access and ladder placement is not obstructed.
- MGF recommend wall bridge is used in conjunction with suitable recommended fall arrest system

5.0 PARTS DESCRIPTION

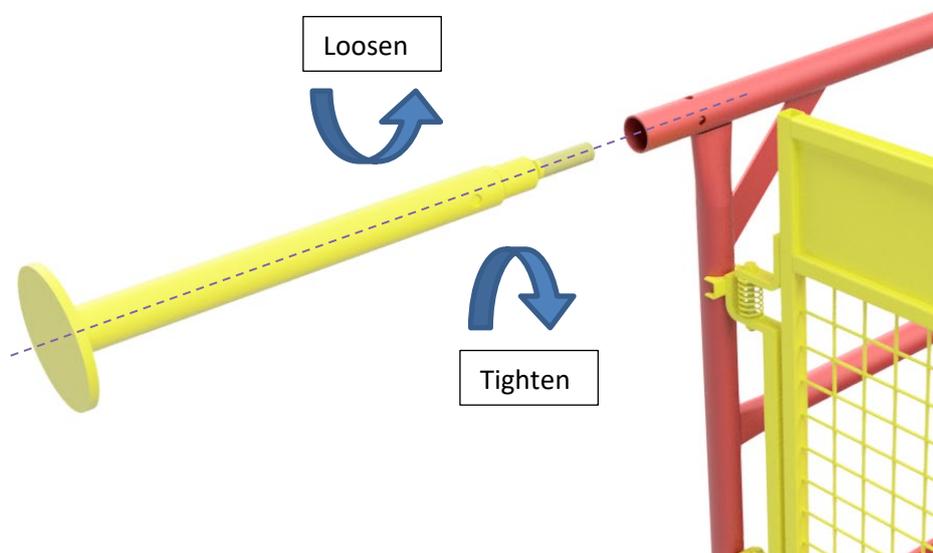


6.0 Pre Install SETUP & Fitting to wall.

Prior to installing upon a wall or panel, it is best practice to configure and set all adjustments that are optional whilst on ground level.

Ladder poles:- can be screwed in or out, and fitted on either side of the Wall Bridge to suit handing requirement. Clockwise to tighten / Anti – Clockwise to undo. DO NOT strike to release poles.

Check poles are screwed tight before lifting into position.

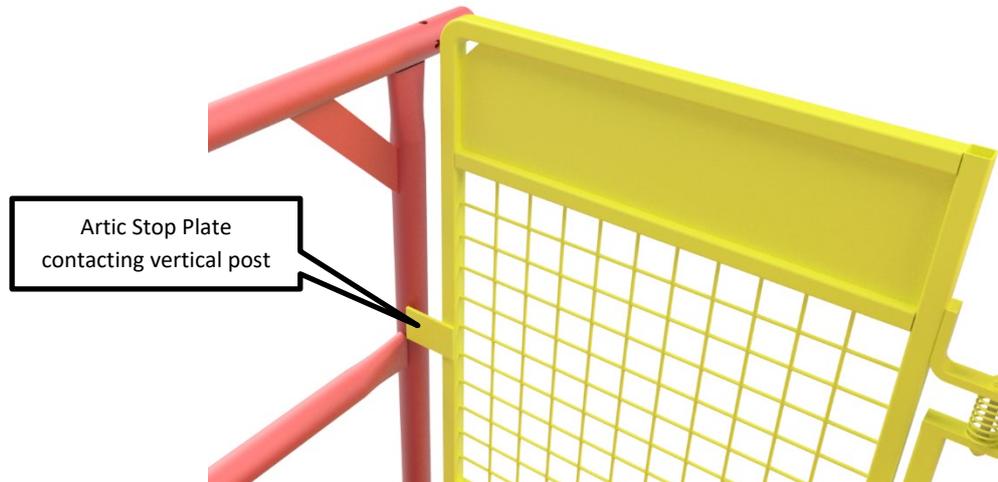


Doors:- can also be configured to hinge from either side to suit requirement. Always orient doors to open inwards, and check configuration.



Pre-lift into position for use - Check doors function fully and are adjusted so they do not foul at any point of articulation.

Check the artic stop plate contacts on the vertical tube post, preventing it from opening outwards.



Check all bolting is tight that secures door to vertical post.

Leg Set up:- – MGF Wall Bridge can be configured to suit any wall or panel thickness from 80mm to 650mm.

Measure the thickness of wall or panel that the leg is to be fitted to.

Refer to the recommended settings chart and look up the config that suits your thickness required.

MGF WALL-BRIDGE

RECOMMENDED SETTINGS

WALL THK (mm) - SETTING

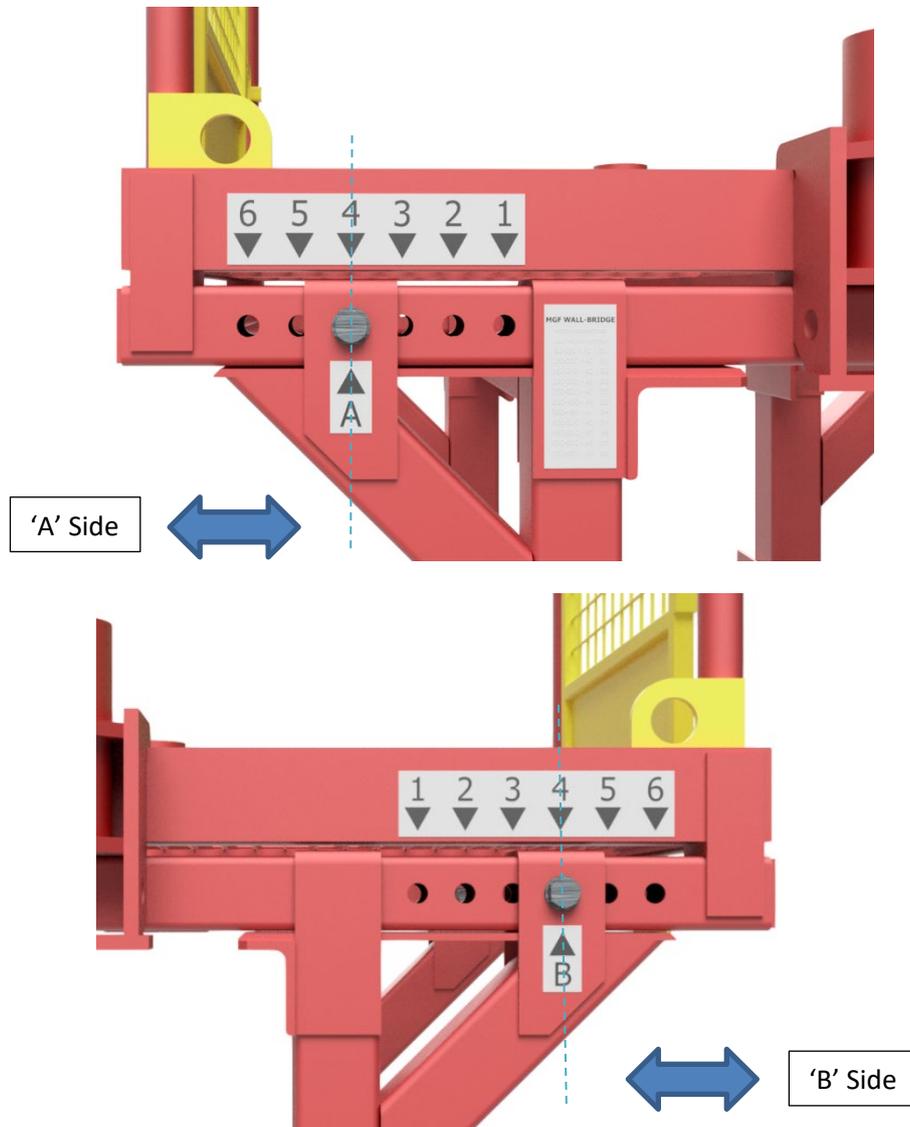
80-150	- A1 / B1
130-200	- A2 / B1
180-250	- A2 / B2
230-300	- A3 / B2
280-350	- A3 / B3
330-400	- A4 / B3
380-450	- A4 / B4
430-500	- A5 / B4
480-550	- A5 / B5
530-600	- A6 / B5
580-650	- A6 / B6

Example – if fitting the wall bridge to a 400mm thick wall, either config A4 / B3 – or – config A4 / B4 would be acceptable. It is desired to keep the wall bridge as centrally balanced as possible upon the wall to minimise loads into the wall.

With the item at ground level, lift the wall bridge using its lift point so it is 100mm clear of the floor and hanging freely.

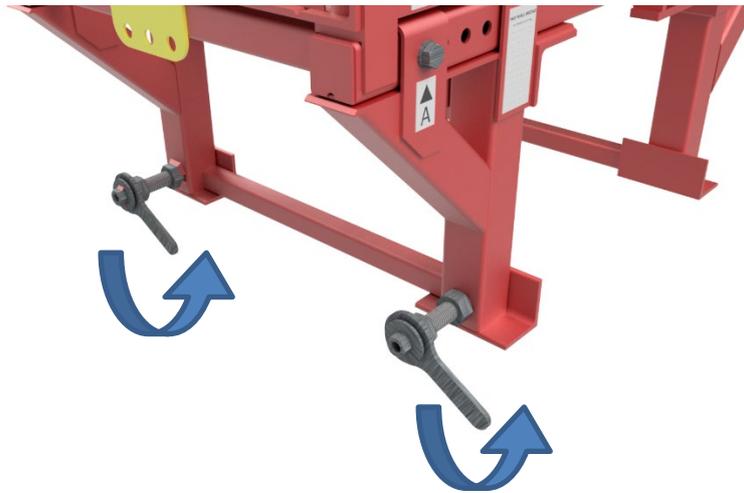
Remove the 4 number course adjustment bolts, and place securely for re-use later.

Slide the 'A' side and 'B' side legs so the arrows align vertically to the recommended setting recommended on the table.



Once aligned correctly – refit the bolts and tighten securely.

Ensure the fine adjustment screws are fully un-done or retracted prior to lifting in place. This leaves the max gap available to fit over the wall.



Final Pre lift checks:-

- Ladder poles are in desired orientation and are fitted tight.
- Doors are configured as desired, fitted correctly and all bolting tight.
- Legs are configured to suit wall thickness and are bolted tightly.

Once above items are checked – lift the Wall Bridge into place, ensuring the fine adjustment screws are orientated towards the side of the wall that the fitter person is on. Ensure a safe means of access is provided for this operation.

Ensure the frame is sat level and pulled tight to the wall on the 'B' side of the frame.

Tighten the fine adjustment screws until fit to the wall is complete. Tighten the bolts as tight as possible using the encapsulated spanner on each screw. The spanner can be easily re-positioned by sliding the spanner off the nut, rotating it to the desired position, slid back over the nut and re-tightened as required.

***re-check tightness of fine adjustment screws on a daily basis.

Once fitted to wall, ladders can be installed, and lashed to pole and secondary lashing point.

7.0 Required Checks.

Regular checks are required to ensure safe operation and continued safe use.

Daily –

- Check Wall Bridge securing screws are tight to the wall, and that the wall surface looks sound and undamaged where fixed.
- Check integrity of Wall Bridge.
- Check all bolts are present and tight.
- Check poles are tight
- Check secondary lashings are secure.
- Check doors operate properly and are secure.
- Check Lift / Tether points are undamaged and fit for use.

8.0 Removal.

Removal is a reverse of fitting operation.

- Ensure any loose items are removed from the Wall Bridge.
- Remove ladders. Ensure a safe means of access is provided.
- Un-do wall bridge securing screws and lift the Wall bridge clear, then lower back to ground level using only the identified lift points on the wall bridge.
- Before placing the Wall Bridge on the floor, or returning from hire, ensure the Wall Bridge is set to its maximum leg adjustment setting A6 / B6. This is to make the wall bridge as stable as possible for storage and reduce danger of toppling over.
- Ensure all items supplied with Wall Bridge are returned to MGF post hire, otherwise charges will be made for replacement items.