

# RAPID SYSTEM

Lift Shaft Entrance Protection.

PATENT PENDING GB1507175.6

**NO DRILL REQUIRED!!**



**ONE MAN INSTALLATION!!**

**QUICK INSTALLATION AND REMOVAL!!**



**Elevator Equipment Limited, Unit 16 Abbey Court, Wallingford Road, Leicester LE4 5RD**

Tel: 0116 2662241, Fax: 0116 2662242

Email: [sales@elevatorequipment.co.uk](mailto:sales@elevatorequipment.co.uk)

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Registered in England No. 4398327

Director: M Spencer C Moore

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## SAFETY INSTRUCTIONS.

Always check **RAPID SYSTEM** products before installation.

Do not use damaged **RAPID SYSTEM** panels, **RAPID SYSTEM** posts, **RAPID SYSTEM** spring safety latches or **RAPID SYSTEM** U shape brackets

Always follow installation instructions carefully. Do not use in any other way other than shown.

**Always use personal fall protection equipment during installation.**

**Never use installed **RAPID SYSTEM** Posts to tie off personal fall protection equipment.**

**Never use **RAPID SYSTEM** Posts to secure scaffolding.**

When storing posts and panels use a suitable stillage to prevent accidental damage.

**RAPID SYSTEM** is designed for construction sites and should not be used to protect the general public.

Erected panels and posts should not be used for supporting construction materials in any way or form.

Elevator Equipment Ltd products liability only applies to combinations of Elevator Equipment Ltd. Products that are assembled according to **RAPID SYSTEM** instructions.

If the **RAPID SYSTEM** protection is subject to a high load e.g. after a fall, a qualified person must inspect the relative rapid panels and posts before being used again.

In case of any uncertainty contact Elevator Equipment Ltd.

### **IMPORTANT.**

**Always carry out a risk assessment and produce a method statement for the installation of **RAPID SYSTEM** prior to the commencement of any installation.**

**Always use personal fall protection equipment**

**See Code of Practice PFPE ref. BS 8437**

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## INSTALLATION DETAILS.

### Equipment Required.

Tape Measure  
Magnetic Spirit Level  
Scaffolding Spanner  
PFPE (Personal fall protection equipment)  
Hard Hat  
High Visibility Vest or Jacket  
Safety Boots  
Gloves  
Portable Safety Barrier

Always read the (**SAFETY INSTRUCTIONS**) before commencing installation.

Installation personal must be trained to fit **RAPID SYSTEM** Lift Shaft Entrance Protection.

**Safety is your responsibility for yourself and others. Always follow your risk assessment, method statement and these safety instructions and installation guide.**

Make sure all equipment is on site ready for installation.  
Once your PFPE has been fitted proceed as follows.

Check where posts and panels are to be erected and that there are no obstructions. i.e. building materials in the way. Contact the site foreman or manager if you have any problems.

Firstly erect a suitable barrier protection around the lift shaft entrance that you intend to install the **RAPID SYSTEM** Lift Shaft Entrance Protection.

Start from either left or right hand side of the lift shaft opening. **POST INSTALLATION** pictures show right hand post installation.

Position the **RAPID SYSTEM** post approximately 50mm from the side of the opening and face it so that the U shape bracket faces forward onto the landing. Please note the **RAPID SYSTEM** posts are handed.

Install the first post as shown on the (**POST INSTALLATION** page).

Use a magnetic spirit level to check the post is perpendicular.

The U shape bracket is always at the bottom of the post. When the panel is positioned into the U shape bracket it should be as close to the floor as possible. Adjust the U shape bracket if necessary.

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## **INSTALLATION DETAILS CONTINUED.**

The spring safety latch is fitted higher up the post near the top of the panel. The latch must coincide with one of the vertical slot of the panel and be locked in the open position see **PANEL INSTALLATION**.

With the first post installed along with the bottom panel, now lift over the second post behind the bottom panel on either the left/ right hand side; lift up the left/right hand side of the bottom panel and position into the U shape bracket on the post. The toe board with the safety signs strip should be facing outwards from the lift shaft

Now locate the spring safety latch into the vertical slot on the panel and lock.

Install the second post as shown on the instructions on the post or see (**POST INSTALLATION** page).

Use a magnetic spirit level to check the post is perpendicular.

With both **RAPID SYSTEM** posts fixed and the bottom panel locked now lift up the second panel into the U shape bracket as per (**PANEL INSTALLATION** page).

Now locate the spring safety latches into the vertical slot on the panel and lock both sides.

Repeat the same procedure on each floor.

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### POST INSTALLATION

Please follow the pictures below.

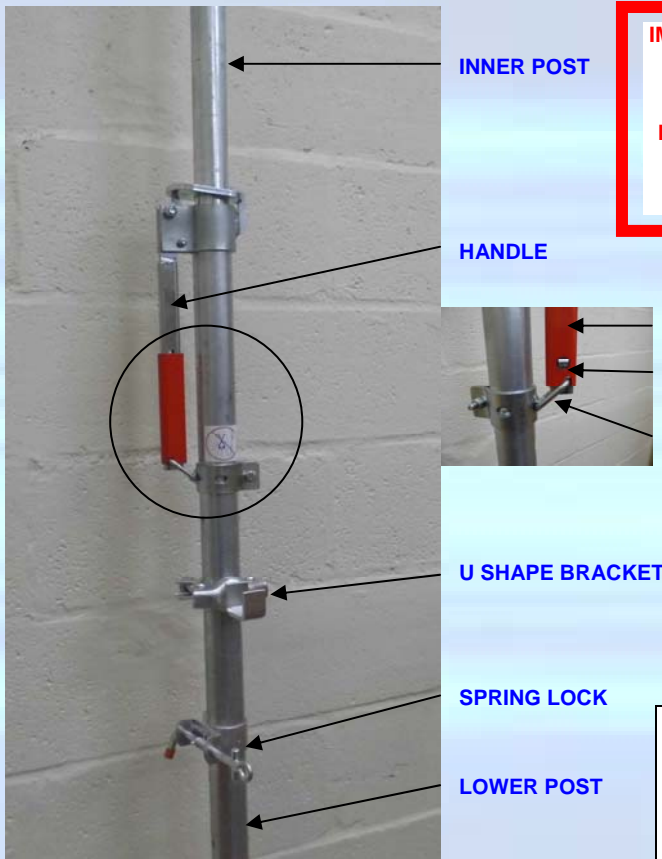
Maximum out of alignment from perpendicular 1.5 degrees.

Closed Height: 2 Metres

Maximum Extended Height: 3.4 Metres

Use magnetic spirit level to ensure post is perpendicular.

Weight of **RAPID SYSTEM** post is 9.5kg.



**IMPORTANT: DISASSEMBLY PROCESS MUST FOLLOW THE INSTRUCTIONS IN REVERSE ORDER. IMPROPER INSTALLATION OR REMOVAL COULD RESULT IN SERIOUS INJURY OR DEATH.**

A zip tag or small padlock can be fitted to prevent tampering with safety latch sleeve once the **RAPID SYSTEM** post has been installed.



To uninstall **RAPID SYSTEM** post.

Press release button. Slide safety sleeve up the handle, press handle towards post and swing locking ring down.

Pull handle outwards from post to release, and with opposite hand slide inner post down into lower post. For safety, pull handle towards post and refit locking ring and slide safety sleeve down to engage release button.

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## POST INSTALLATION

### IMPORTANT NOTICE

Incorporated in the design of the **RAPID SYSTEM** post is a force check flag. This is for the installer of the post to check that the correct force has been applied.

When the **RAPID SYSTEM** post has been installed correctly, the force check flag below should be at right angles to the post pictured below.

If the force check flag is not at right angles to the **RAPID SYSTEM** post.  
Re-install the **RAPID SYSTEM** post.



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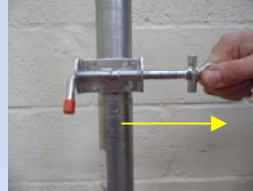
## PANEL INSTALLATION

Please follow the pictures below.

### SPRING LATCH OPERATION:



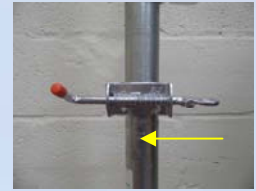
1. SPRING SAFETY LATCH IN THE LOCKED POSITION



2. PULL TO RELEASE SPRING SAFETY LATCH



3. TURN 45 DEGREES



4. RELEASE SPRING SAFETY LATCH TO LOCK PANEL

### PANEL INSTALLATION:

Weight of **RAPID SYSTEM** panel is 16kg.



BEFORE YOU POSITION THE PANEL INTO THE BOTTOM U SHAPE BRACKET, PLEASE MAKE SURE THE SPRING SAFETY LATCH IS LOCKED INTO POSITION ONE AS ABOVE PICTURE 1

PLACE THE PANEL INTO THE BOTTOM U SHAPE BRACKET AND PUSH BACK TOWARDS THE POST.

RELEASE THE SPRING SAFETY LATCH AS PER PICTURE 2.

NOW COMPLETE AS PER PICTURE 3 AND 4 TO LOCK PANEL.

REPEAT SAME PROCEDURE FOR INSTALLING TOP PANEL.



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## TEST CERTIFICATION

<b>Issued to:</b> RAPID EPS UNIT D TREEFIELD IND. ESTATE GELDERD ROAD GILDERSOME LEEDS LS27 7JU	<b>Location of equipment:</b> RAPID EPS UNIT D TREEFIELD IND. ESTATE GELDERD ROAD GILDERSOME LEEDS LS27 7JU	<b>Issued by:</b> Lloyds British Testing Ltd Unit 4E, Cornish Way Barbot Hall Industrial Estate Parkgate Rotherham S62 6EG Tel: 0870 609 0688 Fax: 01709 820140
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Report no:	2050/1422M
Your Order no:	311
Our Job no:	243525
Sheet no:	1 of 1

### Report of Test and Thorough Examination of Lifting Plant and Equipment

This report complies with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998, SI 2307

Identification Mark of the Equipment:	Description of Equipment	Qty Tested and Examined:	Safe Working Load: (Specify Units)	Proof Load Applied: (Specify Units)	Additional Examination Standards	Date of Test and Examination:
TEST 9B BATCH	2 RAPID POSTS CODE NA001 SET @ 3.4MTR HEIGHT, FITTED WITH RAPID PANEL 2900 X 1066 RAPID CODE NA003 @ 2.4MTR CENTRES SAME PANEL USED AS IN TEST 9A BATCH	1	50 KG BAG		<b>REPORT OF LOAD TEST</b> TESTED TO BRITISH STANDARD BSEN13374 :2013 CLASS B DYNAMIC LOAD APPLIED @ BOTTOM OF TOE BOARD @ 1080MM FROM ONE END <b>RESULT</b> MOVEMENT OF POSTS 5MM DEFLECTION OF RAPID PANEL 46MM	20/08/14

The above equipment has been thoroughly examined, no defects found and is safe to operate



Name and address of person authenticating and signing this report on behalf of author:



Name: NEIL JOHNSTON  
 Position: TEST ENGINEER  
 Date of Report: 3<sup>RD</sup> OCTOBER 2014



Signature: \_\_\_\_\_  
 Registered Office: Lloyds British Testing Ltd, Atlas House, 4-6 Belwell Lane, Four Oaks, Sutton Coldfield, West Midlands, B74 4AB Company Registration No. 4444099 VAT Reg. No. GB 729 2136 35  
 Tel: +44 0870 197 5500 Fax: +44 0870 197 5596 email: sales@lloydsbritish.com web: www.lloydsbritish.com

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