

RESULTS OF EYEBOLT TESTS

AT

Juniper Street 1
Liverpool L20 8EL

21/10/2020

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OVERVIEW

METHOD OF TESTING

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TEST CERTIFICATE

Document No: CERCSV39729_2 , Issue Date: 12/11/2020 , Uncontrolled when copied

OVERVIEW

The building known as Juniper Street 1 has taken the provision for safety equipment (Eyebolts) to be installed to facilitate cleaning of the glazing also maintenance work

This system is: Eyebolts

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METHOD OF TESTING

Introduction

All the "Eyebolts" which are to be used specifically for the purpose of Access and are therefore classed as "load-bearing", will be subjected to systematic testing to the specified capacity of 6kN

Testing Procedures

All the testing works are to be carried out to the specifications laid down in the tender document and to Hydrajaws Ltd specifications for the "Portable Tension Tester", and will be in accordance with the testing for the requirements of BS 7883 : 2005 and BS EN 795 : 1997 "protection against falling from a height, Anchor devices - requirement and testing".

The portable "Tension tester" is a specialist piece of equipment designed for the accurate measurement of tensile loading strength of anchors and fixings i.e. screw studs, bolts, plugs and anchors in Concrete, Masonry, Steel and other construction Materials.

The meter is hydraulically operated and has a 0-10kN scale, which can be calibrated before use to a specific load.

Each Technician, once in the pre-determined place to start testing and having adhered to all A. C. O. P. rules and legislation, will begin the test procedures.

Using the Hydrajaws "Portable Tension Tester", which shall be placed in position, with the "bridge" over the eye of the bolt, the "draw rod" is then engaged (this is done by turning the handle in a clockwise direction). Once the "draw rod" engages with the eye bolt the test "proper" begins.

With the test rig in place and the load gauge clearly visible, to enable monitoring during the test, the operative slowly turns the handle until the required load pull is achieved 6kN (Axial pull out force of 6kN).

Once the pre-required capacity of 6kN has been achieved a "settling period" will be allowed, the exact time to be discussed on site with the structural engineer (this period is to-be 15 seconds as per the new legislation). When this period is over, if the pressure gauge is still reading the required 6kN then the "eyebolt" has satisfactorily passed the test, if however during the test the "eyebolt" pulls out, snaps off, cracks or during the "settling period" the pressure on the gauge drops then an instant failure is awarded.

Periodic examination of Through Bolts:

It is a requirement of BS 7883:2005 *Code of Practice for the design, selection use and maintenance of anchor devices conforming to BS EN795*, that all anchor devices for fall arrest should be re-examined at least once every twelve months by a competent person.

"Examination", in the case of anchor devices fixed through cavity structures, usually* means a visual examination for corrosion and to check that the threaded rod attached to the eyebolt is fully engaged with the nyloc type nut on the remote face plus a check that the eyebolt cannot be unscrewed by hand.

The surrounding structure must be inspected for damage, cracking etc. All anchor devices were tightened to a torque of 35Nm which serves as a suitable proof test.

If all checks are satisfactory a new label indicating the date of next examination should be attached at or adjacent to the eyebolt. Any anchor devices found not to satisfy any of these requirements should be withdrawn from service, which should be shown by a suitable tag and the reasons for non-compliance reported to building owner for investigation by a competent person and the necessary remedial action.

* The first time a through fixed installation is examined by a new examining body it is recommended by BS 7883:2005 that 5% and at least 3 of the installed anchor devices are disassembled for examination to check that all components are stainless steel and correctly assembled.

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TEST RESULTS

Recording of Test Results

Each technician is fully conversant with report procedures and has been issued with a "specifically designed for the job" record sheet. As each bolt is tested the results are recorded and saved.

Please refer to following sheets for results.

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BUILDING:	Juniper Street 1		
LOCATION:			
NAME OF INSPECTOR:	Technician	Ryan Rogers	
Purchase order issued	D05PO003879545		

A result shown in Kn is a hydrowjaw pull test. A result shown in Nm is a Torque test

Date	Using Tester	Floor	Room	Equip No	Anchor Type	Visual Inspection	Tested To	PASS/ FAIL	Nest Test Date
21/10/2020	129	2	Loading bays	1	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	2	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	3	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	4	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	5	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	6	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	91	2	Open Area	7	Standard Eyebolt	Pass	6kn	Pass	20/10/2021
21/10/2020	91	2	Open Area	8	Standard Eyebolt	Pass	6kn	Pass	20/10/2021
21/10/2020	129	Ground	Open Area	9	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Open Area	10	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	11	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	12	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	13	D-Ring	Pass	35nm	Pass	20/10/2021
21/10/2020	129	2	Loading bays	14	D-Ring	Pass	35nm	Pass	20/10/2021

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PREMIER TECHNICAL SERVICES GROUP
SAFE BOLT SYSTEM TEST RE-CERTIFICATION

Contract Number:	WCSV38369
Property/ Site:	Juniper Street 1 Liverpool L20 8EL
Date work completed:	21/10/2020
Date recommended for re-test	Please see individual item listed
Testing Specifications	As indicated on record sheet above

IMPORTANT – PLEASE NOTE

1. The bolt system must never be used for any purpose other than individual personnel restraint.
2. No part of the system must be removed, partially removed or reset by any unqualified person
3. All test procedures comply with BS 7883: 2005 and BS EN 795: 1997 “protection against falling from a height, Anchor devices – requirement and testing
4. PTSG recommend re-certification is carried out on the date above or after any fall / failure.

Reviewer Name: Sarah Steel Reviewed Date: 21/10/2020

Reviewer Signature: 

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CERTIFICATE FOR TEST AND EXAMINATION MANSAFE SYSTEM

Certificate Number:	CERCSV39729_3
Contract Number:	WCSV38369
Site:	Juniper Street 1
Address:	Liverpool L20 8EL
Client:	CBREFM
Address:	61 Southwark Street London SE1 0HL
Purchase Order issued	D05PO003879545

Serial No	Type	Length (m)	Location			Visual Result	End fixings tested to	Test Result	Next Test Date
LW01	Mansafe	61	Main Roof			Pass	35Nm	Pass	20/10/2021
LW02	Mansafe	66	Main Roof			Pass	35Nm	Pass	20/10/2021
LW03	Mansafe	46	Lower Roof			Pass	35Nm	Pass	20/10/2021
LW04	Mansafe	16	Lower Roof			Pass	35Nm	Pass	20/10/2021
LW05	Mansafe	90	Main Roof			Pass	35Nm	Pass	20/10/2021
LW06	Mansafe	4	Loading bay in A1 G.01			Pass	35Nm	Pass	20/10/2021
LW07	Mansafe	7	Loading bay in b1 g.02			Pass	35Nm	Pass	20/10/2021

Test Specification:-

To be tested strictly in accordance with the manufacturer's instructions.
 Torque tested all fixings to 20NM or 35Nm and inspected all end terminations.
 TEST DATE 21/10/2020

IMPORTANT NOTES

1. All lanyards and harnesses should be checked before each use by the operative proposing to use the equipment and regularly by a competent person.
2. Always use an Energy Absorber Lanyard (EN355)
3. PTSG recommend a full inspection by a qualified person annually or immediately after any fall loading.

Declaration

I/We* certify that on 21/10/2020, the above equipment was inspected and tested by a competent person in

accordance with the test specification unless noted as **NO ACCESS/NO TEST**. All Has bee tested in accordance with the requirements of BS 7883:2005, BS EN 795 & the Manufacturers specifications. If the system is noted as **NO ACCESS/NO TEST** then immediate re test is required.

Name of Technician: Ryan Rogers

Name of Reviewer: Sarah Steel

Date Reviewed:21/10/2020

Signature of Reviewer:



CERTIFICATE FOR TEST AND EXAMINATION MANSAFE SYSTEM

Certificate Number:	CERCSV39729_3
Contract Number:	WCSV38369
Site:	Juniper Street 1
Address:	Liverpool L20 8EL
Client:	CBREFM
Address:	61 Southwark Street London SE1 0HL
Purchase Order issued	D05PO003879545

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Purchase order issued	D05PO003879545		

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21/10/2020	129	2	Loading bays	14	D-Ring	Pass	35nm	Pass	20/10/2021

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PREMIER TECHNICAL SERVICES GROUP
SAFE BOLT SYSTEM TEST RE-CERTIFICATION

Contract Number:	WCSV38369
Property/ Site:	Juniper Street 1 Liverpool L20 8EL
Date work completed:	21/10/2020
Date recommended for re-test	Please see individual item listed
Testing Specifications	As indicated on record sheet above

IMPORTANT – PLEASE NOTE

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4. PTSG recommend re-certification is carried out on the date above or after any fall / failure.

Reviewer Name: Sarah Steel Reviewed Date: 21/10/2020

Reviewer Signature: 

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CERTIFICATE FOR TEST AND EXAMINATION

Ladders, Stepovers, Walkway & Staircase Inspections

Certificate Number:	CERCSV39729_1
Contract Number:	WCSV38369
Site:	Juniper Street 1
Address:	Liverpool L20 8EL
Client:	CBREFM
Address:	61 Southwark Street London SE1 0HL
Purchase Order	D05PO003879545

Serial No	Type	Length(m)	Floor	Result	Overall Inspection Result
FL01	Fixed Ladder	6	Main Roof	Pass	PASS
FL02	Fixed Ladder	5	Main Roof	Pass	PASS
FL03	Fixed Ladder	1	Lower Roof	Pass	PASS
FL04	Fixed Ladder	1	Lower Roof	Pass	PASS
SU01	Step UnitStep Unit	14	Main Roof	Pass	PASS

Test Specification:-

Visual Inspection in accordance with the manufacturer's instruction.

TEST DATE 21/10/2020

NEXT TEST DATE 20/10/2021

IMPORTANT NOTES

- PTSG recommend a full inspection by a qualified person annually

Declaration

I/We* certify that on 21/10/2020, the above equipment was inspected and tested by a competent person in accordance with the test Specification. All in accordance with the requirements of BS EN 1337-4: 2013

Name of Technician: Ryan Rogers

Name of Reviewer: Sarah Steel

Date Reviewed: 21/10/2020

Signature of Reviewer:

