Before Starting Work.

For guidance on managing

construction health risks go to www.hse.gov.uk/construction

The following is the safe loading of props when used with strongboys. The maximum span upported by each strongboy and prop must not exceed 900mm. Consult an architect or

3.12 (to a max. height of 3m)

3.35 (to a max. height of 3m)

3.96 (to a max. height of 3m)

4.88 Unsuitable for use with strongboys

6.10 Unsuitable for use with strongboys

The above guide assumes that the props are within 1.5 degrees of vertical (This is about

Do not remove or adjust any strongboy or prop until you are certain that it is safe to do so.

If strongboys and props are left in position unattended, make the area safe against children

The strongboys and props must be inspected by a competent person at least once a week.

Do not string or tie any electrical or lighting cables to the strongboys and props.

If your equipment is faulty, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference

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Support props are usually available in six different lengths (size 0 to 5).

Extended

25mm in 1 metre or 1 inch in 1 yard): and that they are not braced.

Wear your protective equipment including safety boots and helmet.

Always return the equipment to the hire company in a clean condition.

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outer tube.

Check the strongboys and props each tie before you start work.

1.83

Length (metres)

SAFE WORKING LOAD

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1.75

1.98

2.59

3.20

3.65

USING THE STRONGBOY

and other unauthorised persons.

your nands well away from the top of the

will slide down into the outer tube. Keep

load and pull the pin out, the inner tube

brickwork etc.). When you remove the

supported by other means (lintel, pillars,

jack to lift a beam or other load into place.

and props. Ensure the brickwork

15. Be careful when removing strongboys

14. Do not use the strongboy and prop as a

on each strongboy and prop you use.

13. You must make sure that the load is equal

15. Make sure each prop is located vertically.

loose, while installing other props, it will

bearing its share of the load. If it becomes

vertical. You must hold the prop until it is

into the most suitable hole in the innertube. You may need to screw the

and through the slot in the outer tube,

strongboy locating the top plate into the

Carefully slide the inner tube up to the

If you are using a soleplate, your prop

and then adjust the prop so it is vertical.

bosition αιτέστιγ ρείον της ειτοήδου,

web of the strongboy meets the brickwork. the mortar joint until the triangular support

The strongboy should be hammered into

dislodged. Ensure barriers and warning from any brickwork or debris that may be

the opposite side of the wall is protected

upper level of the proposed opening in the wall. Ensure the safety of anyone on

7. Locate the baseplate of your prop into

10. Locate the pin, above the screw collar,

square recess of the strongboy.

should be resting on it.

signs are in place.

11. Screw the collar up against the pin to

collar down to accommodate this.

Check the prop

tall over causing injury or damage.

secrite the prop.

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other responsible person. **Closed Length**

Length (meters)

1.

2.

Prop

Size

0

1

2

3

4

5

3.

1.

2.

3.

4.

5.

6.

7.

8.

SWL in

340

340

340

340

44 (0) 121 380 4600 44 (0) 121 333 4109

course with the handle on the top, at the

Hammer the strongboy into the mortar

All operators must wear their safety

Two persons are required to put a

Each 900mm or part of 900mm span will

each strongboy and prop – mark the

calculate and plan the positioning of

and props safely and how much support

understand how to use the strongboy

nnless you have the necessary skill and

with timber. Use the correct length prop.

that are too short by making up the gap

lengths (size 0 to 5). Do not use props

strongboy is capable of carrying the load

Ensure the brickwork above the

inches) thick. IT should be long enough to project at least 300mm (12 inches)

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The timber soleplate should be at least

suitable structural concrete.

side of the support prop's

12. Before you start work, make sure you

11. Do not try to brace your support props

10. Props are available in six different

strongboy and prop in position safely.

require a strongboy and prop

your overnead structure needs.

knowledge to do this sately.

and is stable.

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position for each one.

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kilograms

1. safely.

2.

3.

4.

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opening in brickwork.

structure to be supported.

careful and controlled way

influence of drugs or alcohol.

s accurate and not misl

www.use.org.uk

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soleplate unless the baseplate is on

Each prop should stand on a timber

support the load that will be transferred

baseplate will locate, is strong enough to

in 1 metre (1 inch in 1 yard). Ensure that the floor, where the

aegrees off vertical. This is about zomm

Props must never be used more than 1.5

Your prop must be vertical in order to

The maximum working height of the

strongboy and support prop must not

maximum spacing between each

excess of this will require two or more

each strongboy and prop. Loads in

the safe working load (SWL) of 340kg for

the load to be supported. Do not exceed

Take professional advice to determine

found damaged - contact the hire

weids are intact. Do not use anything

the strongboy plate is straight and all

pin is still secure on its chain. Check tha

telescope easily. Check that the locking

tubes are straight and that they

props; check that the inner and outer

Check your strongboy and support

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strongboys and support props.

using them.

ΜΟΡΚ ΕΝΥΙΡΟΝΜΕΝΤ

- area when the strongboy and props are Only essential people should work in the
- and safe and that no-one is near to you Make sure that your work area is clear .esu n
- are positioned on both sides of the around your work area. Ensure warnings Warn others to keep away. Put barriers Protect other people from the danger. 3 or could distract you.
- enough to support the weight that will be the baseplate of your prop is sturdy Make sure the floor area where you put structure to be supported.
- reiephone wiring etc.). Ensure they will not water and heating pipes, electric and Check the work area for services (gas ·g placed upon it.
- whilst any of the work is being carried out. be damaged, or present any danger
- 11 *SROTAR340*
- Particular Jobs of environments may you use a strongboy and support prop. minimum that should be worn whenever protective equipment (ppe) are the The following items of personal
- BS1870/4972) with good grip and ankle You must wear safety boots (EU345 or .s require a higher level of protection.
- Safety helmet to EU397 or BS5240. Juoddns
- Strong gloves will help protect your hands. **.**2 B or BS2092 grade 1). Wear impact resistant goggles; (EN166 –

protective equipment.

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also need to wear appropriate personal

Anybody who is working near to you will

(EN149::2001 ffp2 if grinding or chipping

will need a dust mask

a slot in the mortar for the strongboy.

1107 Safety Guidance

It is important to read this entire leaflet BEFORE

using the Strongboy

Plan the use of the Strongboy so that it can always be used

The strongboy is used in conjunction with a support prop

where support of brickwork cannot be positioned directly

beneath the structure - for example when creating new

The use of a strongboy and support prop for the temporary

the necessary knowledge and experience to do the job safely.

Every effort has been made by HAE/EHA to ensure that the information given in this docume

have the force of law and only the courts can a

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to it by each prop.

bear its load sately.

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the existing support is renovated or replaced.

Strongboy used with Support Props

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment. This leaflet is not a substitute for a properly executed risk assessment. This strongboy is for use with 'old type'

subsidiate for a property executed risk assessment. This strongboy is the strongboy will not fit, support props (BS 4074:1982) still widely used in the industry. The strongboy will not fit, and should not be used with (BS EN1065:1999) 'new type' support props. (BS 4074:2000 is

the current standard for trench props, not support props)

upport of overhead brickwork structures should only be undertaken by persons who have

Consult with an architect or other responsible person regarding the weight of the overhead

The strongboy and support prop are designed to give support to overhead structures while

The action of the strongboy and support prop can cause injury or damage if not used in a

You should wear the following items of personal protective equipment: Safety boots (EN345

or BS1870/4972); safety helmet - EN397 or BS5240; gloves; impact resistant goggles: EN166 - B or BS2092 grade 1; dust mask - a minimum of EN149:2001 ffp2 protection.

The strongboy and support props must not be used by minors, or by anyone under the

The strongboy and support props are designed for operation by able bodied adults. Anyone with either temporary or permanent disability must seek expert advice before

to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments

ading. HAE/EHA cannot accept responsibility for any loss or liability p

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uthoritatively interpret the law