

Steeldeck Set Up Instructions



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Steeldeck Set Up Instructions

Instructions

Before setting up the decks read these instructions completely. These instructions include:

- A description of the Steeldeck system.
- What loads the decks can take.
- How to set up the decks.

Whoever is in charge of those setting up Steeldeck should ensure that everyone has had these instructions explained.

System Description

	Construction Detail Steeldeck consist of a steel truss frame with a socket in each corner and a plywood top. The truss frame is made up from a top chord, a bottom chord, and a distinctive zigzag web. The 18 mm birch ply plywood top is screwed to the top chord. The top is backed with a Class 0 sound adsorbing foam. The socket in the corner takes a scaffolding tube leg which is held in position with a M12 nut. Many different sizes and shapes of Steeldeck can be supplied.
	Legs Steel scaffolding tube legs are used in our patented square corner posts and bolted in. Scaffolding tube is economical, readily available and allows standard scaffolding fittings to be used when bracing a structure. Using different size legs allow the same deck to be set at different heights.

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	Raked Stage If a raked stage or ramp is required legs can also be cut and welded at an angle.
	Plastic "feet" slot into the bottom of the legs protecting the surface the deck is resting on
	Uneven Ground Adjustable base plates can be used to allow level the deck on uneven ground and to spread the load for example when setting up on a field. Since adjustable base plates cannot be set up very close to each other one leg is sometimes used to support four adjacent decks by means of our flanged leg system (see Method Statement for the use of flanged legs).
	Rolling Stage and Trolleys Castors can be inserted into legs for rolling platforms, or used to make a trolley to move other decks or equipment.

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Flanged Legs

Fabricated from 3 laser cut pieces welded together which is then welded to a standard scaffold tube.

These are used: on uneven ground combined with screwjacks; on stages over 4' and used in conjunction with bracing; on larger rolling stages.



Loads

All Steeldeck units are designed to carry a static load of at least 7.5kN/m^2 . Some patterns and sizes are able to carry more. Overloading may cause damage to the decks. Cutting holes in the tops will also weaken the decks.

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Before use visually check components for signs of damage e.g., crushed top or bottom chords or bent frames. Do not use damaged Steeldeck or decks which have been overloaded. Damaged or overloaded Steeldeck may have lost their structural integrity and should be immediately removed from use and then scrapped.

Joining Sections

Adjacent decks are joined by bolting through their top chords which are drilled and reinforced for this purpose.

Risk Assessment

Only by considering the unique circumstance of each use of the decks can the risks be assessed and precautions to counter the risks put in place. The risk assessment should consider not only the setting up and the taking down of the Steeldeck, the environment and the time of day the work is done, but also how the Steeldeck will be used.

These instructions deal with the setting up and taking down of Steeldeck. How the Steeldeck will be used and the precautions which will need to be taken will vary with each individual application.

More guidance on how to carry out a risk assessment is available on-line from the Health and Safety Executive (contact details at the end of this document).

Set up

Warnings

- Decks are not light and injury can occur through poor handling.
- Do not store Steeldeck where it is exposed to rain or high moisture conditions. Wet conditions or high moisture will cause the steel to corrode and the plywood to rot, reducing the strength of Steeldeck.
- Platforms built from Steeldeck may require bracing. Generally platforms up to 4' high will not require bracing but if in doubt seek advice.

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	Provide two or more people to handle each Steeldeck unit. Clear set-up area for decks. Stand deck on its long edge.
	Check that all four legs are fitted with a plastic foot. Insert open end of leg into corner post. Insure leg is completely into corner post. Tighten corner post bolt firmly (do not over tighten). Check that all four legs are held securely. Ensure there is enough space to manoeuvre deck. Stand deck up and place in position.
	Fit connecting bolts finger-tight as decks are erected. Tighten connecting bolts. Note: Bolts should be tightened firmly, not forced. To break down a Steeldeck platform, follow set-up instructions in reverse order.

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Connecting Individual Decks Together

1. Standard 8' x 4' units have four holes drilled on the 8' and two bolt holes drilled on the 4' side. (These holes are located on the top chord of the truss and are reinforced on their rear with a square plate.)
2. These holes are to allow neighbouring decks to be bolted together. Where decks abut it is good practice to insert two bolts per face – one at either end of that face.
3. Fit connecting bolts to neighbouring units finger-tight as decks are erected, and tighten all on completion of the structure.

Removal to storage

To breakdown Steeldeck follow set-up instructions in reverse order.

Useful Contacts

If you require further information or advice please on Steeldeck contact:

E-mail rentals@steeldeck.co.uk

Telephone: 020 7833 2031

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Or visit our web site www.steeldeck.co.uk

Useful leaflets “Five Steps to Risk Assessment”, “Getting to Grips with Manual Handling” and “An Introduction to Health and Safety” can be downloaded from the Health and Safety Executive web site:

www.hse.gov.uk