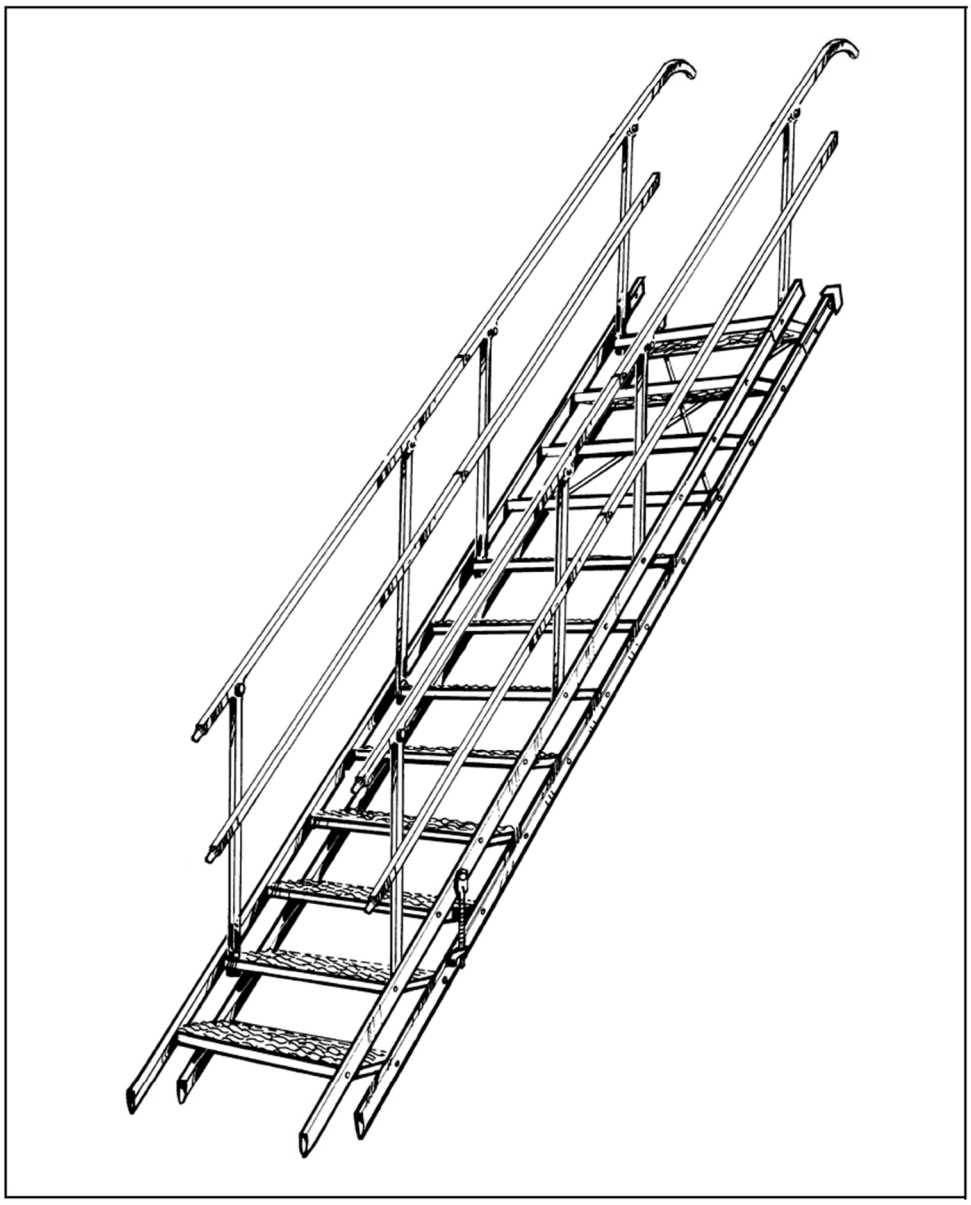
Site Stairway



INSTRUCTIONS

General

The stairway, also called the site stairway, is a transportable and collapsible stairway manufactured mainly in steel.

The stairway is especially suitable for use at building sites and other work places where there-are varying heights, it can even be used on slopes with varying inclinations. The tread is flexibly connected to four load-carrying side rails, two on each side of the tread. This design ensures that the steps are always horizontal, as the stairway adjusts- to the inclination and height, assuming that the base is level.
The stairway has a standard width of 750 mm and has expanded metal steps. Other widths and models e.g. wooden steps, can be supplied by order.
The stairway is supplied in standard lengths of 3, 6, 9, 12, 15 or 18 steps.
The stairway has a jointing system that allows connection of an unlimited number of lengths. Longer stairways should be reinforced with supports beneath the stairway, very long stairways should be equipped with extendable stiffiening beams.
Supports and stiffening beams are available as extra accessories.
The stairway can be fitted with handrails on one or both sides. The stairway is available as hot-dip galvanised or painted steel.

Figure 1. Stairway

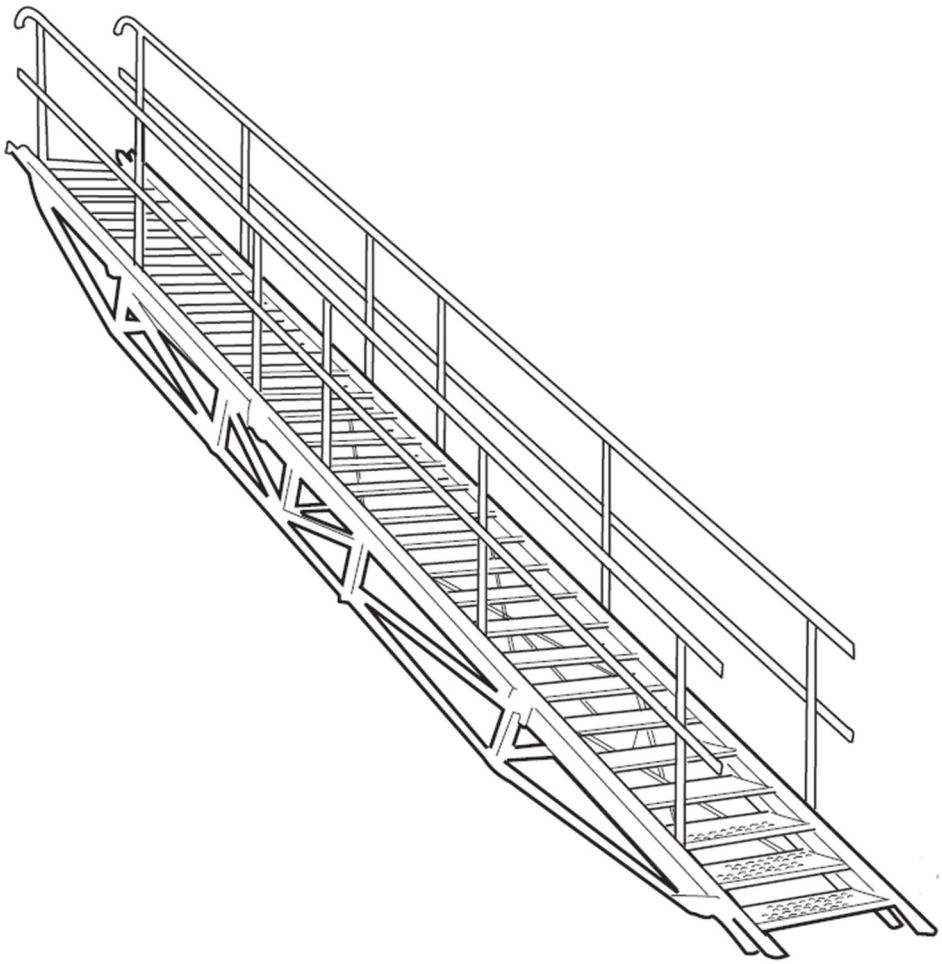


Figure 2. Stairway equipped with stiffening beam

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Safety instructions

Always check products and equipment before use.

Check all included stairway parts before assembly. Never use damaged or rusty materials as this can affect safety.

Do not combine products

Stairways that are mounted, combined or connected using products other than Other company's products are not recommended

Always use personal fall protection equipment

Personal fall protection equipment must always be worn during assembly and dismantling when a risk of falling exists. This also applies to MEWPs (mobile elevating working platforms).

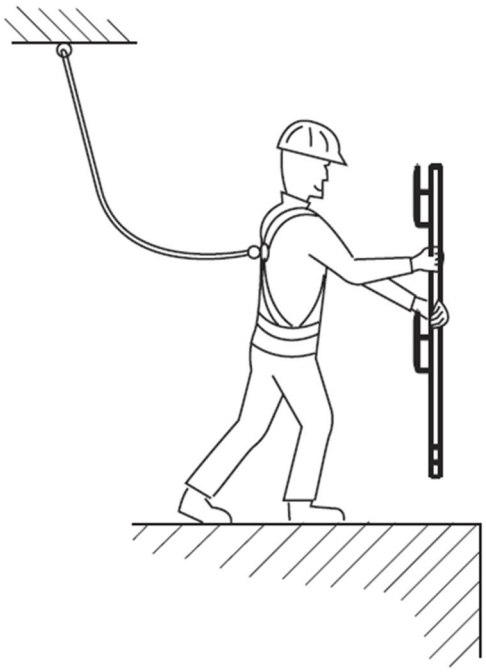

Figure 3. Personal fall protection equipment

Inspection after a fall

If a stairway has been involved in an accident or has been subject to heavy loading, it should be removed from service and inspected by a competent personnel.

Remember

- Plan walkway locations at an early stage, this will benefit everyone.
- Use only safety-controlled products.
- Cordon off below and around the assembly area in connection with the installation so that unauthorized personnel are not injured if, for example, you should drop tools or material.
- Use tools designed for the type of work to be carried out.
- Tighten screws properly and check that split pins lock correctly.
- Keep threads clean and lubricated.
- Keep the installation area in order.
- A safe workplace is an agreeable workplace.
- Many fall accidents occur from a low height.

Technical data

Loading

The stairway can withstand a uniformly distributed load (UDL) of 1.0 kN/m2. Max load per step is 1.5 kN and max two persons may use the stairway at the same time

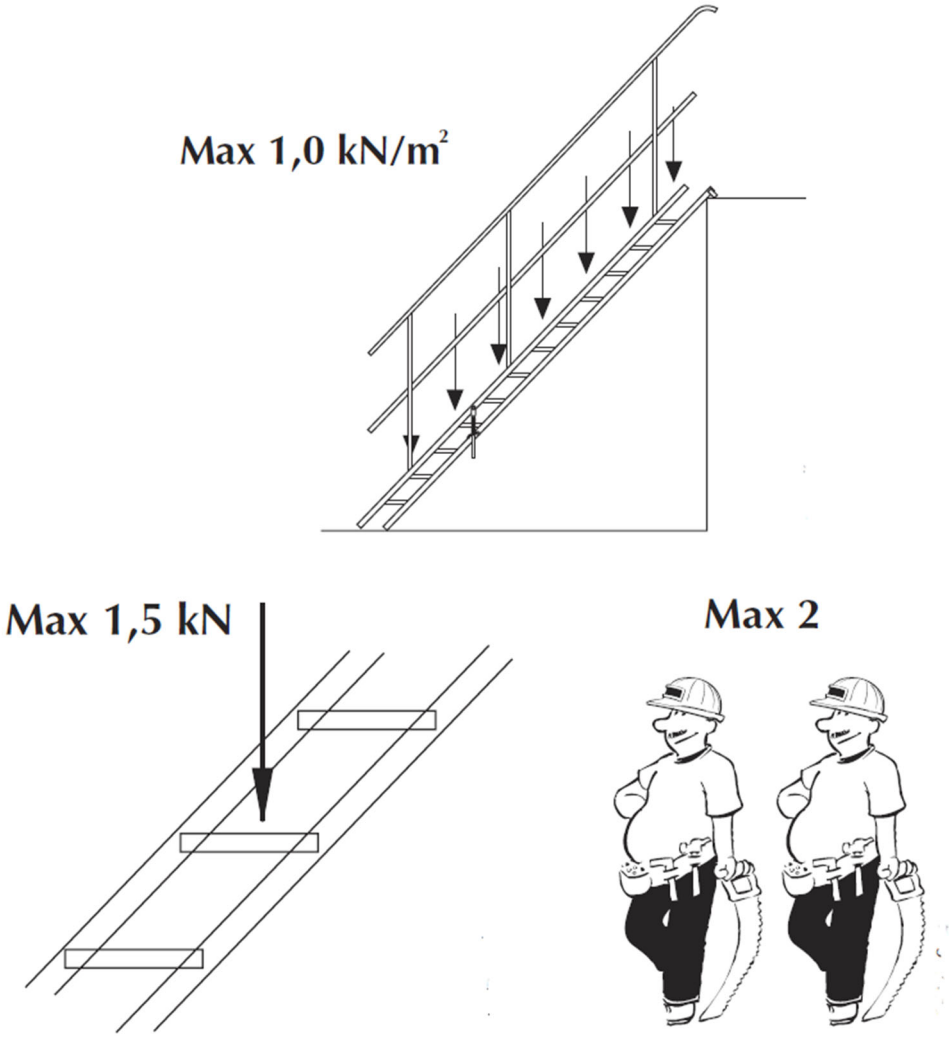

Figure 4. Loading

Inclination diagram

The inclination diagram shall be used for selecting the stairway length.

recommended use

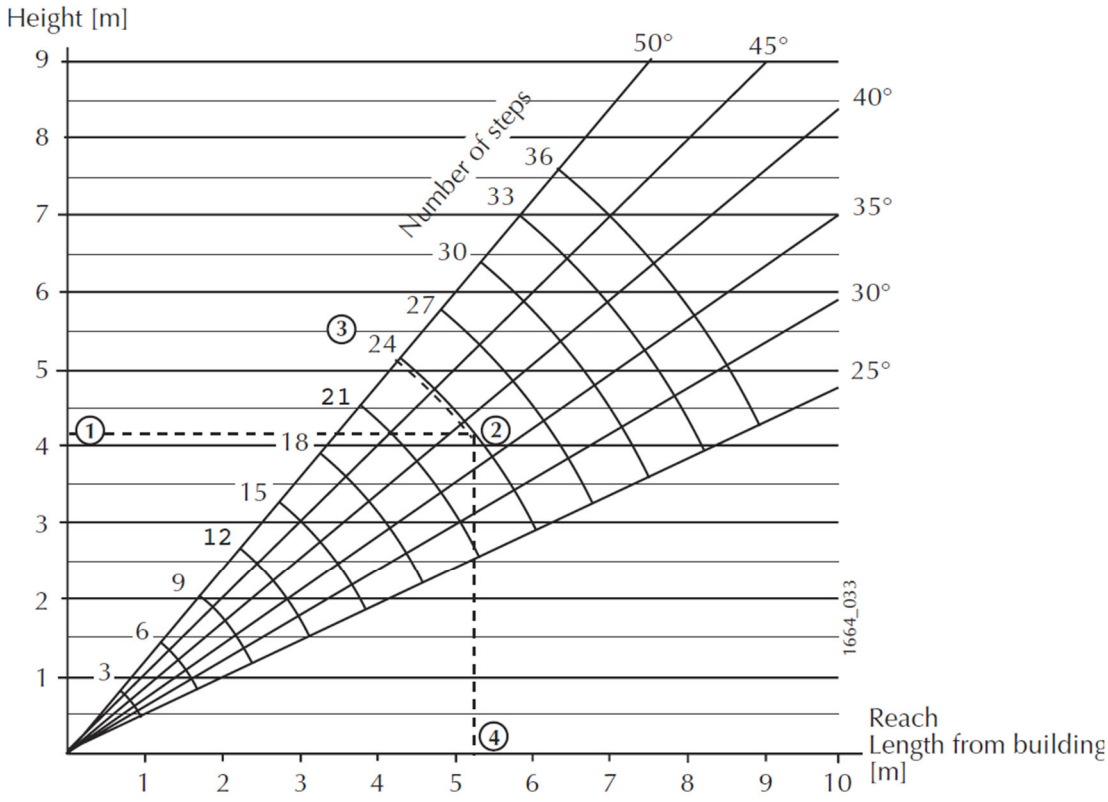

Figure 5. Inclination diagram

Recommended inclination range is 25-50°
The example in the diagram is shown with dotted lines and shall be interpreted as follows (example within parentheses):
1. Start with the total rise height required (4.2 m).
2. Follow the rise height across into the fan of recommended inclination (38°).
3. Choose a number of steps based upon the inclination required (24 steps at 38º)
4. Follow downwards from the intersection - and read off how far out the base of the stairway will be (5.3 m).

NB!
National regulations may impose other requirements. Take these into consideration!

Table for supports and beams
Stairways with 3 to 15 steps require no additional support, however. It is advisable to complement 15 step stairways set up at a shallow angle , with a support for improved performance.