Spiral Staircases

Spiral staircases for all environments

Weland’s spiral staircases are used in most environments, for instance, for evacuation and industrial purposes as well as in homes and offices. With its flexible design and architectural image, the spiral staircase can either melt into the background or be a breath-taking eye-catcher. In addition, the spiral staircase saves on space as it requires very little bottom area.

Our spiral staircases can be manufactured to turn to the left or to the right and with a different number of steps per revolution. The staircases are hot dip galvanised as standard. The design is light-weight and normally does not require additional load bearing structures. The delivery comes in easy-to-assemble parts that screw together. No welding is necessary during assembly.

We manufacture our products in Sweden using our modern, environmentally friendly machine fleet. Together with our knowledgeable staff, we are developing and designing spiral staircases to meet high requirements for quality.

More detailed information is documented on our website, www.weland.se, or queries can be answered by our experienced sales force.
Spiral staircases for evacuation and industry

Weland’s spiral staircases for evacuation and industry are the obvious choice if you need a safe evacuation route or a hard-wearing transport route between floors e.g. on industrial or warehouse premises. The staircases are manufactured with treads made of grating, perforated metal or durbar plate.

All of our staircases for evacuation and industry are delivered in a hot dip galvanised design except for our handrails, which are made in stainless steel. Weland stocks a large number of standard components and can thus offer exceptionally short delivery times for these types of staircase.
Spiral Staircases for Office and Home Applications

Weland’s spiral staircase for indoor use is a staircase that is suitable for houses, offices, stores etc. The spiral staircase is a sleek furnishing detail that appeals to most people. The staircase is available in most of the various designs and material choices for the railings, handrails, stair treads as well as landings. Customers choose freely between our designs.

For further information, read our website, www.weland.se
**Spiral staircases standard**

**Railings**

Weland produces four different models of railings for our spiral staircases. The choice of railing depends primarily on where the staircase will be placed and whether children will be present in the area where the spiral staircase is installed. In our standard range, the height of the railing is always 1100 mm at the nose of the step.

**Railing standard**

Weland’s standard railing, with one baluster per tread is primarily used in industry. May also be used for evacuation staircases, where there are no children present.

**Railing hoop**

This balustrade with tubular infill panels is a child-proof balustrade, i.e. the opening between the tubes and the balusters is maximum 100 mm.

**Railing round bar**

Weland’s round bar railing, just like the bracket baluster railing, is a childproof alternative with a maximum opening between balusters of 100 mm.

**Railing intermediate rails**

Weland’s railing with intermediate rails can be provided with one to four flat, steel bar, intermediate rails, 50 x 3 mm. These railings do not count as childproof.
**Stair treads**

Weland’s stair treads in the standard design are manufactured in many different versions.

For evacuation and industry stair treads are manufactured in grating, perforated metal and durbar plate.

In the standard range of stair treads for houses and offices, Weland offers wooden treads, sheet metal for floor tiles, sheet metal for carpet, grey concrete and Terrazzo concrete.

**Handrails**

Weland’s handrails for industry and evacuation staircases come in stainless steel.

For staircases for houses and offices, the handrails are manufactured in stainless steel, painted or, alternatively, as round handrails in oak, pine, ash or beech.
Alternative designs

**Railings**

Apart from Weland’s extensive standard range, there are many other versions of railing to choose from.

The choices are many.

**Railing glass infill**

Weland’s railing with glass cassette is equipped with 6 mm hardened glass. This railing is childproof, i.e. the opening between the glass cassettes is a maximum of 100 mm.

**Railing sheet metal**

Weland’s railings with solid or perforated metal are childproof railings, where the maximum opening is 100 mm.

**Railing mesh**

Weland’s railings with woven wire mesh are also childproof with a maximum opening of 100 mm.
**Stair treads**

Spiral staircases for home and office applications can be made according to your wishes from other materials, such as other types of wood, grey concrete, Terrazzo concrete, sheet metal for floor tiles and sheet metal for carpet.

**Handrails**

As alternative version of handrails, wood types such as oak, pine, birch, beech and ash are also available. All wooden handrails have a diameter of 50 mm.

**Extra handrail**

Weland spiral staircases can also be equipped with an extra handrail. The handrail is placed under the main handrail and is set at the height desired. The extra handrail can be extended by 300 mm.

**Inner handrail**

The spiral staircase can also be equipped with an inner handrail. This handrail is placed on the centre tube.

**Contrast Marking**

The first stair tread of each flight, as well as the front edge of landings, can be provided with contrast marking. The design differs depending on the type of stair tread.
Protective cages

Round and quarter-circle protective cages

To prevent unauthorised persons from climbing a spiral staircase, it can be supplemented with a protective cage.

Weland manufactures three different models of protective cage; round and quarter-circle as well as a protective cage for stair enclosure. The quarter-circle protective cage is part of our stocked range.
Protective cage stair enclosure

Protective cages in the grating plate can also be made higher than the standard height and follow the full height of the staircase. The external radius of the cage is 130 mm larger than the radius of the staircase.

Other materials that Weland uses for enclosures include expanded metal, perforated metal, wood etc.

Gates

Weland gates can be fitted with advantage on the spiral staircase. Gate hinges are mounted on to the centre tube and the lock fittings are fitted to the stair railing. The lock is spring loaded and is so firm that it cannot be opened by small children. The gate can be used both at the bottom and at the top of the staircase.
**Special Spiral Staircases and Combi-stairs**

Weland’s special staircases, as the name suggests, are staircases that differ from Weland’s standard. These staircases are manufactured completely to meet the customer’s wishes and needs.

**Spiral staircases special**

If the architect or customer have special wishes we can, as a rule, meet most different alternatives for design of railing, handrail, stair tread or enclosure.

**Combi-stairs**

Weland Combi-stairs are a fusion of straight staircases and spiral staircases. These can be made with treads that go out to adjoining walls or with stringers that form right-angles. Treads, railings and surface treatment manufactured as for other spiral staircases.
Weland's extensive product range

**Grating products**
Grating | Gangways for disabled people | Fixings
Kerb angle frames | Plank type flooring, slit plank type flooring | Stair treads and landings

**Staircases and railings**
Spiral staircases for evacuation and industry
Spiral staircases for indoor applications
Straight flight staircases | Special design and combination staircases | Railings

**Mezzanines and gangways**
Mezzanines | Gangways

**Laser cutting and sheet metal working**
Laser cutting of sheet metal and tubes | JUMBO laser cutting of tubes
Gas/Plasma cutting | Water jet cutting | Punching, nibbling and panel folding | Bending | Brush deburring and grinding | Cutting machining | Robot welding etc.

**Other products**
Cat ladders | Grating furniture | Tag embossing press
Expanded metal | Cold-formed Sigma beams | Surface treatment
Pallet racks | Cantilever racks | Pull-out units

See more at www.weland.se

Weland
Box 503 | 333 28 Smålandsstenar | Sweden
Telephone: +46 (0) 371 -344 00
E-mail: info@weland.se | Website: www.weland.se