Gangways for the disabled
Weland has a wide range of high quality gangways for the disabled

Our gangways can also be used as a stable transport track between different levels. The product is stable, safe and easy to install. The gangways for the disabled are constructed from stocked standard components, which means we can deliver with short lead times. All materials are hot-dipped galvanised for long durability. The gangways are manufactured in steel.

We manufacture our products in Sweden using our modern, environmentally-friendly fleet of machinery. Together with our knowledgeable staff, we develop and design gangways for the disabled to meet high requirements for quality.

Steel gangways for the disabled

Weland’s gangways for the disabled are manufactured in grating with a mesh width c/c 17 x 75 mm, including stringers, railings and requisite supporting legs. The gangways are supplied as easy-to-assemble parts. All materials are hot-dip galvanised.

Our standard modules are stocked in lengths from 1500 mm and upwards in 500 mm intervals. The modules that are approved for gangways for the disabled are manufactured in the width 1300 mm. The incline of the gangways is adjustable, but is not permitted to exceed 1:12. If the gangways are longer than 6 metres, they must be provided with a rest landing.

Gratings and contrast marking

The gangways consist of grating sections, where the lower part of the gangway is provided with a run-up plate. As standard, Weland offers contrast marking in the form of a strip marked in black to make differences in incline visible, making life easier for the disabled. The contrast marking is placed at the start of each flight and on the front edge of landings.
Stringers and railings

The stringers are manufactured in L-profile, with or without railing. The railing is manufactured with U balusters, c/c 500 mm, with stainless steel, Ø 42 mm, tube handrail. If the gangway runs along a wall, it can be manufactured with railings on one side and a banister that bolts to the wall. Weland gangways for the disabled are also manufactured with a childproof railing with a maximum opening of 100 mm between the balusters.

Support legs

Support legs must be placed at every 3 metres. The support legs are manufactured in lengths of 350, 600 and 1000 mm. The support leg design allows an adjustment of 30 – 100 mm.

We can help you

With Weland as your supplier of gangways for the disabled, you obtain a committed partner with extensive experience and high competence. We manufacture gangways for the disabled to order based on your specifications. We will be pleased to answer any queries you might have concerning dimensioning, drawing and planning of gangways for the disabled.
Complete gangways for the disabled

Complete gangways for the disabled with grating are designed according to your situation and wishes. Weland stocks many different versions in order to provide prompt, reliable and high quality delivery. The gangways can also be supplemented with landings/rest landings to meet your needs.

Standard dimensions for complete gangways

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>Width x Length</th>
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<tbody>
<tr>
<td>1300 x 1500</td>
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<td>1300 x 2000</td>
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<td>1300 x 6000</td>
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Options for gangways for the disabled

Our gangways for the disabled can be adapted to increase the accessibility, including with railings that extend 30 cm beyond the start and end of the gangway, and with spacers between handrails and balusters. The gangways can also be fitted with a childproof railing to further increase the safety.

Contrast marking is an adaptation for increased accessibility that is standard for Weland’s range.

Childproof railing
Childproof railing with max. opening 100 mm between balusters.

Extended handrail
General advice regarding gangways for the disabled

According to the building standards, there must be an entrance without stairs to give access to public spaces. Summary of the Construction Rules issued by the Swedish National Board of Housing, Building and Planning and Building to Overcome Handicap (supplement to BBR).

Accessibility to buildings

At least one entrance to a building that must be accessible for personnel with impaired movement and sense of locality must be placed and designed so it can be used by these individuals.

General recommendations

The gangway should: Be horizontal or have a maximum incline of 1:12 between at least 2 metre long rest landings. Have a maximum height difference of 0.5 metres between rest landings. The gangways should be at least 1.3 metres wide.

Entrance and communication areas

Gangways on premises or connecting routes should have a maximum incline of 1:12 and a maximum height difference of 0.5 metres between rest landings that are at least 2 metre long.

Because a gangway, according to the provisions, should take up a height difference of max. 0.5 metres, a gangway, for example, with an incline of 1:12 should be at least 6 metres long. A level difference of more than 0.5 metres must be divided between two gangways with an intermediate rest landing.

Railings and handrails

Gangways that are not bordered by walls must have railings that limit the risk for personal injury. Gangways that are higher than 0.5 metres must have handrails or similar on both sides.
**Project planning**

Weland has gangways in many different standard lengths and dimensions for landings, which are available for fast delivery. We also manufacture customised gangways to order. We will be pleased to answer any queries you might have concerning dimensioning, drawing and planning of our various gangways for the disabled.

In the following, we have compiled some information that may be useful to bear in mind when requesting tenders and placing your order.

### Factors to bear in mind during your project planning

- What will the gangway be used for?
- Is it solely to make life easier for the disabled or does it involve transport of materials instead?
- What width and lengths am I interested in?
- Does the length of the gangway for the disabled meet the requirement for 1:12 incline?
- The gangway for the disabled should not be higher than 1 metre between the ground and step-off.
- Does the project need a childproof railing?
- Can I adjust my request to stocked sizes?
- Recessed LED lighting for the handrail can then be offered. Is this of interest for the project?

### Factors to consider before ordering

- Check to make sure that the length of the ramp meets the minimum requirement on incline
- Apart from the stock width of 1300 mm, 1500 mm is also offered and can be delivered with short delivery time
- Check any requirements for child safety
- We have a large range of ramps that are, for example, for transport of materials, width 900 mm.

The requirements placed on gangways for the disabled are increasing rapidly. At Weland, we are constantly up-to-date and can provide you with information about the requirements and adaptations that apply for your particular project.

Contact us for further information.
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

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