RAMPS & LIFTS
FOR BUSES AND RAILWAY VEHICLES
RAMPS & LIFTS

Get on board comfortably and travel without stress. Entrance systems made by HÜBNER TRANSPORTATION GmbH open up new dimensions of freedom for persons with limited mobility. Our ramp and lift systems set the highest standards for safety and for quality. We have a customized solution for nearly every type of vehicle. Ideally coordinated in form and function, and perfectly adapted to your vehicle design.

Full accessibility for every requirement

Discover the diversity of our entrance systems: Lift systems that can rise to a height of 2,000 mm as well as a full spectrum of electric and manual ramps.

Electric ramps from HÜBNER include models integrated in the floor of the vehicle or models installed under the vehicle for extra easy service.

Manual ramps are available in a wide range of sizes. With their low weight and excellent resilience against knocks and scratches, they satisfy even the most demanding customers and are simple and easy to incorporate in any vehicle concept.

Customized solutions

You can benefit from our expertise in project management as well as our long and extensive experience in designing and implementing entrance systems. For nearly every type of vehicle, we can provide individual solutions that perfectly meet your needs.
AN OVERVIEW OF OUR PRODUCTS

On the following pages you will receive an overview of the full range of our products in the areas of manual ramps, electric ramps and lift systems.

For individual solutions, please contact us directly. We will develop just the product you require – customized exactly to your needs.
MANUAL RAMPS

Manual ramps provide a hand-operated solution for facilitating the entry of handicapped persons into buses and trams. The ramps can be integrated into the vehicle floor very simply.

Our manual ramps are produced in range of sizes and can handle loads up to 350 kg. They are available in extra-light plastic models or in versions that can accommodate especially heavy loads. All ramps have a slip-resistant surface coating.

The new manual ramp

This new manual ramp succeeds in combining minimal weight with maximum sturdiness. It is exceedingly durable and weighs just 12.5 kg. With its attractive design, it can be integrated into practically any vehicle.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of the complete module</td>
<td>12.5 kg</td>
</tr>
<tr>
<td>Load capacity</td>
<td>400 kg</td>
</tr>
<tr>
<td>Tread plate size</td>
<td>L 905 mm × W 1,000 mm</td>
</tr>
<tr>
<td>Floor pan made completely of plastic</td>
<td></td>
</tr>
<tr>
<td>Electrically insulating</td>
<td></td>
</tr>
<tr>
<td>Tread plate encased in PU – lighter and more flexible on uneven surfaces</td>
<td></td>
</tr>
<tr>
<td>Ramp and floor pan as a complete module</td>
<td></td>
</tr>
<tr>
<td>Slip-resistant surface coating</td>
<td></td>
</tr>
<tr>
<td>Designed in accordance with EC 2001/85, ECE R107 and DDA</td>
<td></td>
</tr>
</tbody>
</table>

The manual ramp

One of a kind: manual ramp HK modular

The HK modular is a manual ramp that is available in various sizes. The ramp can be integrated with particular speed and ease into every vehicle concept. The ramp is made of aluminum and stainless steel. This makes for a harmonious overall appearance and at the same time ensures a particularly impact and scratch-resistant product.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of the complete module</td>
<td>28.5 kg</td>
</tr>
<tr>
<td>Load capacity</td>
<td>350 kg</td>
</tr>
<tr>
<td>Tread plate size</td>
<td>Length in accordance with ECE R107 and DDA W ≥ 800 mm</td>
</tr>
<tr>
<td>Integrated ramp</td>
<td></td>
</tr>
<tr>
<td>(component of the vehicle floor, flush with general floor surface)</td>
<td></td>
</tr>
<tr>
<td>Ramp and floor pan as a complete module</td>
<td></td>
</tr>
<tr>
<td>Slip-resistant surface coating</td>
<td></td>
</tr>
<tr>
<td>Designed in accordance with EC 2001/85, ECE R107 and DDA</td>
<td></td>
</tr>
</tbody>
</table>

Mobile: a folding ramp for easy retrofitting

This folding ramp offers an ideal retrofitting solution. Folded up, it can be compactly stowed in a wall mounting and is ready for use at any time. And it quickly becomes part of the mobility equipment in any bus or tram.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retrofitting solution</td>
<td></td>
</tr>
<tr>
<td>Optionally available with wall mount</td>
<td></td>
</tr>
<tr>
<td>Slip-resistant surface coating</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>11 kg</td>
</tr>
<tr>
<td>Load capacity</td>
<td>350 kg</td>
</tr>
<tr>
<td>Size</td>
<td>700 (800) × 968 mm</td>
</tr>
<tr>
<td>Integrale ramp</td>
<td></td>
</tr>
<tr>
<td>(component of the vehicle floor, flush with general floor surface)</td>
<td></td>
</tr>
<tr>
<td>Ramp and floor pan as a complete module</td>
<td></td>
</tr>
<tr>
<td>Slip-resistant surface coating</td>
<td></td>
</tr>
<tr>
<td>Designed in accordance with EC 2001/85, ECE R107 and DDA</td>
<td></td>
</tr>
</tbody>
</table>
ELECTRIC RAMPS

Electric ramps provide a comfortable and convenient appliance of dealing with the height difference between the curb and the floor of the bus. At the push of a button, a fully automatic electric ramp is extended or retracted in a matter of a few seconds. Bus drivers can remain seated in the driver area while operating the ramp. The slip-resistant surface coating is made of a very sturdy and durable material. Electric ramps are available in a range of models.

Tried and tested:
the IL standard electric ramp

The IL standard is integrated into the vehicle floor, allowing the vehicle to retain its original road clearance. The IL standard is electric-powered and can be extended or retracted in just 9 seconds.

- Weight: 55 kg
- Capacity: 350 kg
- Installation size: L 1,075 mm × W 861 mm × H 96 mm
- Ramp covering plate in vehicle floor: Can be walked on
- Slip-resistant surface coating
- Extension and retraction time: 8 seconds
- Joint edge & step detection sensors in accordance with EC 2001/85 and ECE R107

Slim design, easy to install:
electric ramp IL 2502

The power-assisted IL 2502 is integrated in the vehicle floor. Due to its shorter length, it is also suitable for use in tighter installation spaces.

The ramp can be extended or retracted in just 8 seconds and can be used in a wide range of temperatures. Its plug and play system allows an easy installation and convenient maintenance.

- Weight: 40 kg
- Load capacity: 350 kg
- Installation size: L 875.5 mm × W 900 mm × H 73 mm
- Ramp covering plate in vehicle floor: Can be walked on
- Slip-resistant surface coating
- Extension and retraction time: 8 seconds
- Joint edge & step detection sensors in accordance with EC 2001/85, ECE R107 and DDA
- Blinking LED lights as additional safety feature
- Operating temperature: -40°C to +80°C

Clever: the SKADI® electric ramp

The SKADI®-ramp makes it easy for transport companies to retrofit their vehicles and to service them as needed. Designed as a plug and play unit, SKADI® can be quickly and easily installed in many types of vehicles.

And what makes our SKADI® unique is its particularly simple assembly and the service-friendly access it provides to the main components. The entire system comes completely preassembled in its own cassette. This can be installed as a substructure on the vehicle. After installation, the ramp system only needs to be connected by a plug to the electric power system of the vehicle.

When required, the tread plate and the drive can be removed or exchanged completely without any tools. All this can be done in a matter of minutes so that there is almost no vehicle downtime.

- Weight*: 53 kg
- Capacity: 350 kg
- Slip-resistant surface coating
- Extension/retraction time: 8 seconds
- Designed in accordance with EC 2001/85, DIN 32985, ECE R107 and DDA
- Installation size substructure: L 1468 mm × W 1055 mm × H 65 mm
- Operating temperature: -25°C to +80°C

*T can vary according to model type
The EXEO III lift system

With its modular construction, the EXEO III can reach heights up to 2,000 mm. This is made possible through the variable length of the hoisting arms. Until now the HÜBNER lift could only be installed in intercity buses; the new system now allows for installation in touring coaches as well.

Special features of EXEO III:
- Modular construction supports use in intercity buses and touring coaches
- Quick system error analysis via blink codes and optional CAN diagnosis
- Individual lifting height up to 2,000 mm
- Available in semi-automatic models
- Depending on vehicle type, installation beneath wheel housing, vehicle entry steps or in luggage compartment with third door

Weight*: < 275 kg
Load capacity*: 350 kg
Platform size: 1,230 x 830 mm

Design in accordance with EC 2001/85, DIN EN 1756-2, 49 CFR ADA, 49 CFR 571.403 (FMVSS 403), ECE R107

*Can vary according to model type

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