EXPRESSO CATALOGUE

- For loading ramp safety and loading systems
EXPRESSO – YOUR PARTNER FOR LOADING SAFETY

WHY SHOULD LOADING NOT BE SAFE EVERYWHERE?

An efficient overall logistics starts off with a safe loading process. The highest accident risks prevail at the loading ramp and in the loading area. EXPRESSO loading technology ensures safety during goods turnover and guarantees an ideal process. The EXPRESSO loading technologies offer safety solutions, faster loading and unloading, less accidents and consequently a lasting investment.

CONCEPT
Our research department researches and develops innovative solutions adapted to your needs in the fields of handling and transportation of goods.

REALISATION
Our loading bridges, adjustable loading ramps, ramps, chocks and other customised products are manufactured in our plant in Wasselonne (67), France, based on a proven expert knowledge.

INSTALLATION
On-site installations are carried out by one of our EXPRESSO assembly teams or one of our authorised contractors.

MAINTENANCE AND SERVICE
Upon request or within the framework of a service contract, our EXPRESSO service technicians or authorised technicians carry out the necessary maintenance work on your premises.
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LOADING RAMP SAFETY

AN EFFICIENT OVERALL LOGISTICS STARTS OFF WITH A SAFE LOADING PROCESS
1.1 WHEEL CHOCKS FOR TRUCKS

**RUBBER WHEEL CHOCK TYPE CLCC200**
Very resistant rubber-molded wheel chock equipped with an integrated handle with holes for attaching a retaining chain. Resistant to UV, salts, oils, fuel and ozone.

**ECCENTRIC GALVANISED STEEL WHEEL CHOCK TYPE CLAC730**
- Steel wheel chock with eccentric metallic operation lever
- Rubber stop sign
- Polyamide wheels Ø 160 mm
- Anti-slip rubber under the chock

**STEEL WHEEL CHOCK TYPE CLAC001**
- Strong design
- Anti-slip rubber securely fastened for proper adherence to the ground
- Metal handle
- Two fixing lugs for retaining chain

**Accessories for wheel chock type CLAC001:**
- 6 m chain
- Metallic support that allows to store the chock against the dock before and after use. (Comes with chain and two fixing plugs).
- Kit of movement lever, polyamide wheels Ø100 mm and stop sign.
- Stop sign and handle type ACCL10

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rubber wheel chock CLCC200</td>
<td>254 mm</td>
<td>185 mm</td>
<td>193 mm</td>
<td>6 kg</td>
</tr>
<tr>
<td>Steel wheel chock CLAC001</td>
<td>390 mm</td>
<td>208 mm</td>
<td>220 mm*</td>
<td>10 kg</td>
</tr>
</tbody>
</table>

(*) Including rubber height

Wheel chock CLAC001 with handle and stop sign on its support SUCL6001

**Support for wheel chock SUCL6001**
- It comes with two fixing plugs and a standard retaining chain of 6 m (different length available upon request).

Wheel chock CLAC001+ Accessories: Stop sign and handle type ACCL10.

Wheel chock CLAC001 with kit of polyamide wheels and movement lever.
Dock projectors allow to improve the security of the staff working for the loading and unloading of the trucks when the light inside the trailer is low or when they are on the night shift. They substitute or complement the lights that may be installed on handling machines. These, when existing, often have only limited effectiveness because of the transported load, so it is essential to provide additional lighting.

**1.2 HALOGEN PIER PROJECTORS**

**Product features**
Dock projectors allow to improve the security of the staff working for the loading and unloading of the trucks when the light inside the trailer is low or when they are on the night shift. They substitute or complement the lights that may be installed on handling machines. These, when existing, often have only limited effectiveness because of the transported load, so it is essential to provide additional lighting.

**HALOGEN PROJECTOR TYPE PJQU60**
- Black lacquered steel projector 180 x 145 mm
- Swivel steel arm equipped with 3 joints for orientation
- IP54 projector
- Wiring integrated in the joint tubes
- On hold cable length 1.5 m (supplied)
- On / off switch for wall mounting
- Bulb 230V - 300W R7S 11 x 118 supplied
- Power 230 V single-phased (+ earth)
- Length of extended arm 1200 mm
- Voltage: 230 V, Power: 230 W
- Energy rating: C, 4650 lumens
- Lifetime: 2000 hours
- Weight: 8kg

**COMPACT NEON PROJECTOR TYPE PJQU80**
- Switch-on delay: 0.5 sec, Warm up period: < 45 sec
- Other specifications are the same as for the halogen projector mentioned beside

CE Product delivered assembled. The fixing of the stand and the connection of the switch are carried out by the client.
The electric protection is the responsibility of the client.
1.3 DOCK LED PROJECTORS

When there exist no lights on the handling machines or it is limited by the transported load, it is essential to provide additional lighting by installing dock projectors to illuminate the inside of the trailers, especially during the night shift or when the light is low.

The installation of additional light helps illuminating the most hazardous areas and it also helps removing contrasts of light that require a period of adaptation of the pupil which constitutes a potential source of danger.

The LED dock projector made of cast aluminum with a steel swivel arm is adjustable thanks to its three joints. The wiring is integrated in the tubes of the joints.

The stand attachment (using four screws that are not provided), as well as the connection of the supplied switch are installed by the customer.

LED PROJECTOR WITH A WIDE LIGHTING ANGLE TYPE PJQU90

- L x H x D of the projector 287 x 236 x 150 mm
- LED COB Bridgelux
- Extended length: 1150 mm
- IP65 projector
- Power 230V AC 50 Watt
- IP55 On / off switch for wall mounting
- Lifetime: 25,000 hours
- Usable between -25°C and +55°C
- Grey projector with yellow swivel arm
- Operation handle with plastic cover
- Weight: 9.5 kg

CE Product delivered assembled. The fixing of the stand and the connection of the switch are carried out by the client. The electric protection is the responsibility of the client.

1.3 DOCK LED PROJECTORS

**DOCK LED PROJECTOR FOR DIRECTIONAL ILLUMINATION TYPE PJQU100**

The installation of additional light helps illuminating the most hazardous areas and it also helps removing contrasts of light that require a period of adaptation of the pupil which constitutes a potential source of danger.

- 17 LED Projector of 3 Watt, 24V DC, 50 Watt
- Polycarbonate glass Ø130 mm
- Extended length: 1150 mm
- IP64 projector
- Integrated Transformer 230 V, 24V DC, 80 VA
- Class 2
- On / off switch for wall mounting
- Lighting inside of trailers (10 m):
  - 110 lux in conformity with INRS ED6059
- Lifetime: 25,000 hours
- Usable between -25°C and +55°C
- Black projector with yellow swivel arm
- Plastic operation handle
- Power: 230V single-phase
- Weight: 8 kg

Limit collision risks caused by lack of illumination!
In compliance with guideline INRS ED6059
1.4 SECURITY STANDS (JACK B/H/SB)

Product features

Security stands are designed to secure the transshipment operations performed in uncoupled trailers. Security stands placed under the trailer prevent it from tipping. The lowest model (type SB) is particularly adapted for stabilising trailers with air suspension.

SECURITY STANDS - TYPE JACK B/H/SB

- Jack screws with square type thread and reversible ratchet
- Lifting jack function: when the stands of the trailer are for example sunk into loose soil
- Articulated support plates or „hats“ Ø160 mm to compensate for a possible ground inclination
- Two roller bearing rubber wheels
- Detachable operation lever
- Option: Hat Ø250 mm

Set up principle:

1) Do not set up the safety stand before the trailer is completely uncoupled.

2) Ensure that the wheels of the trailer are keyed with a manual (see page 6) or an automatic dock set up system and stabilise the trailer on its parking stands.

3) Place and adjust using the jack the 2 safety stands at the back of the trailer under each beam until they are in contact. Do not lift the trailer with the stands.

<table>
<thead>
<tr>
<th>Model</th>
<th>Stand length</th>
<th>Stand width</th>
<th>Height</th>
<th>Static charge</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>JACK/SB (BEST1)</td>
<td>450 mm</td>
<td>450 mm</td>
<td>Between 670 to 970 mm</td>
<td>40 tons</td>
<td>56 kg</td>
</tr>
<tr>
<td>JACK/B (BEST100)</td>
<td>450 mm</td>
<td>450 mm</td>
<td>Between 1150 to 1450 mm</td>
<td>40 tons</td>
<td>70 kg</td>
</tr>
<tr>
<td>JACK/H (BEST200)</td>
<td>450 mm</td>
<td>450 mm</td>
<td>Between 1350 to 1550 mm</td>
<td>40 tons</td>
<td>71 kg</td>
</tr>
</tbody>
</table>
Product features

Security stands are designed to secure the transhipment operations performed in uncoupled trailers. Security stands placed under the trailer prevent it from tipping.

SECURITY STAND TYPE BETJ70

- Lifting jack function with a reversible ratchet left/right
- Built-in trestle (610 mm)
- Two wheels of Ø200 mm:
  - Soft black rubber bands, blue nylon wheels, roller bearings
- Front steel wheel Ø100 mm
- Yellow epoxy paint finished handling equipment

OPTION:

- Locking clip:
  Metal locking clip to lock the position of the stand under the trailer (padlock not included).

Model | BETJ70
--- | ---
Adjustable lifting height | Between 1000 to 1300 mm
Length of built-in trestle | 610 mm
Static charge capacity | 45 tons
Weight | 68 kg
1.6 SAFETY MOBILE TRESTLES

Product features
Perfectly balanced on its two wheels when you move it, the trestle remains horizontal during the installation. This allows a precise height adjustment to minimise the space between the bottom of the trailer and the mobile trestle. Once positioned, the wheels no longer touch the ground and the trestle under the trailer is perfectly stable on its four stands. This prevents the trailer from tipping in case a parking stand fails or breaks.

SAFETY MOBILE TRESTLE
TYPE JACK/TM TRM0004

- It adapts to all types of trailers thanks to its adjustable height
- Telescopic square tube, pin locking
- Very resistant, treated hardwood on top of the trestle
- Two wheels of Ø200 mm:
  - Soft black rubber band, blue nylon wheels, roller bearings
- Option:
  - Rubber wheel chock type CLCC200 (see page 6) with metal support type SUCL201.

LOWERED AND EXTENDED TRESTLE
TYPE JACK/TM TRM01800

Lowered and extended, this trestle is designed to keep trailers using air suspension from tipping.

<table>
<thead>
<tr>
<th>Model</th>
<th>Usable length</th>
<th>Width</th>
<th>Height</th>
<th>Load capacity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRM0004</td>
<td>1130 mm</td>
<td>570 mm</td>
<td>Between 890 to 1320 mm</td>
<td>15 tons</td>
<td>52 kg</td>
</tr>
<tr>
<td>TRM01800</td>
<td>1800 mm</td>
<td>570 mm</td>
<td>Between 670 to 910 mm</td>
<td>15 tons</td>
<td>70 kg</td>
</tr>
</tbody>
</table>
1.6 SAFETY MOBILE TRESTLE

REINFORCED MOBILE TRESTLE FOR 25 TONS TYPE TRM040

Perfectly balanced, this trestle remains horizontal during the installation. The height adjustment of the chassis is quick and accurate, allowing to minimise the space between the bottom of the trailer and the mobile security trestle.

- Designed to keep trailers using air suspension from tipping
- Height adjustable by using telescopic crank stands
- Very resistant, treated hardwood on top of the trestle
- Four polyamide wheels of Ø125 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>TRM040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable length</td>
<td>1584 mm</td>
</tr>
<tr>
<td>Width</td>
<td>600 mm</td>
</tr>
<tr>
<td>Height</td>
<td>Between 745 to 1060 mm</td>
</tr>
<tr>
<td>Load capacity</td>
<td>25 tons</td>
</tr>
<tr>
<td>Weight</td>
<td>213 kg</td>
</tr>
</tbody>
</table>
Protection against injury!
Protection of equipment and buildings.

Product features
Wheel guides facilitate truck docking in a simple and economical way. They also help to reduce the risk of people getting crushed between two vehicles.

1.7 WHEEL GUIDES

WHEEL GUIDES TYPE GRFI2400
Simplify truck manoeuvring: wheel guides ensure that the trucks are perfectly centered along the axis of the dock which helps protecting both the equipment: bumpers, adjustable loading bridges, ... but also the building and the vehicles.
- Strong construction in galvanised steel tube, Ø168 x 4.5 mm
- 3 supporting feet 350 x 350 mm, 8 mm thick
- Fixation by means of anchor bolts in the concrete floor (base)

UNIVERSAL WHEEL GUIDES TYPE GRFI24140
The symmetric construction allows installation on the left or right side.
- Strong construction, galvanised steel tube 140 x 4 mm
- Finish: galvanised or yellow powder coated RAL 1021
- 2 supporting feet 250 x 250 mm, 8 mm thick
- Fixation by means of anchor bolts in the concrete floor (base)
- Economic solution without necessity of works on the concrete floor!

Reversible wheel guides

<table>
<thead>
<tr>
<th>Model</th>
<th>GRFI2400</th>
<th>GRFI24140 Galva. or yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>2400 mm</td>
<td>2400 mm</td>
</tr>
<tr>
<td>Total height</td>
<td>300 mm</td>
<td>265 mm</td>
</tr>
<tr>
<td>Height relative to the ground</td>
<td>300 mm</td>
<td>265 mm</td>
</tr>
<tr>
<td>Unit weight</td>
<td>71 kg</td>
<td>36 kg</td>
</tr>
<tr>
<td>Diameter</td>
<td>168 mm</td>
<td>140 mm</td>
</tr>
</tbody>
</table>

Wheel guides GRFI2400
Wheel guides GRFI2400 yellow powder coating
LOADING SYSTEMS

EXPRESSION LOADING TECHNOLOGY ENSURES SAFETY DURING GOODS TURNOVER
2.1 LIGHT ALUMINUM LOADING BRIDGES (L / L8779)

**LIGHT ALUMINUM BRIDGE WITH RETRACTABLE HANDLES TYPE L8779**

- Load capacity 4000 kg
- Anti-shake, hard, rounded profile
- Anti-slip grooved aluminum profile for intensive use
- For loading by hand trucks, four-wheel carts, forklift trucks and pallet jacks (up to 4000 kg)
- Anti-skidding safety stop
- Retractable handles

**ALUMINUM PLATE TYPE L**

- Load capacity up to 1500 kg
- High resistance checkered aluminum sheet alloy: the five-bar profile provides proper traction
- For loading by hand trucks and manual or electric pallet jacks
- Anti-skidding safety stop
- Handhold cutouts

**Table:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Load Capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height Compensation</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>L8761</td>
<td>1000 kg</td>
<td>800 mm</td>
<td>1000 mm ± 150 mm</td>
<td>18 kg</td>
<td></td>
</tr>
<tr>
<td>L8763</td>
<td>1000 kg</td>
<td>1000 mm</td>
<td>800 mm ± 170 mm</td>
<td>18 kg</td>
<td></td>
</tr>
<tr>
<td>L8764</td>
<td>1000 kg</td>
<td>1500 mm</td>
<td>800 mm ± 280 mm</td>
<td>30 kg</td>
<td></td>
</tr>
<tr>
<td>L8769</td>
<td>1000 kg</td>
<td>1000 mm</td>
<td>1000 mm ± 170 mm</td>
<td>21 kg</td>
<td></td>
</tr>
<tr>
<td>L8770</td>
<td>1000 kg</td>
<td>1200 mm</td>
<td>1000 mm ± 220 mm</td>
<td>26 kg</td>
<td></td>
</tr>
<tr>
<td>L8781</td>
<td>1500 kg</td>
<td>800 mm</td>
<td>1250 mm ± 150 mm</td>
<td>25 kg</td>
<td></td>
</tr>
<tr>
<td>L8783</td>
<td>1500 kg</td>
<td>1000 mm</td>
<td>1250 mm ± 170 mm</td>
<td>30 kg</td>
<td></td>
</tr>
<tr>
<td>L8790</td>
<td>1500 kg</td>
<td>1200 mm</td>
<td>1250 mm ± 220 mm</td>
<td>39 kg</td>
<td></td>
</tr>
<tr>
<td>L8784</td>
<td>1500 kg</td>
<td>1500 mm</td>
<td>1250 mm ± 280 mm</td>
<td>47 kg</td>
<td></td>
</tr>
<tr>
<td>L8779/1250</td>
<td>4000 kg</td>
<td>550 mm</td>
<td>1250 mm ± 75 mm</td>
<td>26 kg</td>
<td></td>
</tr>
<tr>
<td>L8779/1500</td>
<td>4000 kg</td>
<td>550 mm</td>
<td>1500 mm ± 75 mm</td>
<td>30 kg</td>
<td></td>
</tr>
<tr>
<td>L8779/1750</td>
<td>4000 kg</td>
<td>550 mm</td>
<td>1750 mm ± 75 mm</td>
<td>36 kg</td>
<td></td>
</tr>
<tr>
<td>L8779/2000</td>
<td>4000 kg</td>
<td>550 mm</td>
<td>2000 mm ± 75 mm</td>
<td>40 kg</td>
<td></td>
</tr>
</tbody>
</table>

**Installation of an L plate**

**Customisation upon request available**

**4000 kg Intensive use**

**Aluminum bridge type L8779**

Load capacity 4000 kg
2.2 LIGHT ALUMINUM LOADING BRIDGES (L8773 / L8778)

LIGHT ALUMINUM BRIDGE FOR FORKLIFT INSTALLATION TYPE L8778

- Load capacity 6000 kg
- High resistance aluminum hard bridge
- Retractable pockets for forklift prongs
- Anti-slip grooved aluminum profile for intensive use
- For loading by hand trucks, four-wheel carts, forklift trucks and pallet jacks (up to 4000 kg)
- Anti-skidding safety stop
- Handhold cutouts

ALUMINUM PLAQUE TYPE L8773

- Rounded anti-shake profile (3 layers)
- High resistance striated aluminum sheet: ensuring proper traction for handling equipment
- For loading by hand trucks and manual or electric pallet jacks up to 2000 kg (4000 kg for reinforced models)
- Anti-skidding safety stop
- Handhold cutouts

<table>
<thead>
<tr>
<th>Model</th>
<th>Load capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height compensation</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>L8773/10</td>
<td>2000 kg</td>
<td>700 mm</td>
<td>1000 mm</td>
<td>± 100 mm</td>
<td>16 kg</td>
</tr>
<tr>
<td>L8773/15</td>
<td>2000 kg</td>
<td>700 mm</td>
<td>1500 mm</td>
<td>± 100 mm</td>
<td>25 kg</td>
</tr>
<tr>
<td>L8773/17</td>
<td>2000 kg</td>
<td>700 mm</td>
<td>1750 mm</td>
<td>± 100 mm</td>
<td>29 kg</td>
</tr>
<tr>
<td>L8773/20</td>
<td>2000 kg</td>
<td>700 mm</td>
<td>2000 mm</td>
<td>± 100 mm</td>
<td>33 kg</td>
</tr>
<tr>
<td>L8773/15R</td>
<td>4000 kg</td>
<td>700 mm</td>
<td>1500 mm</td>
<td>± 100 mm</td>
<td>36 kg</td>
</tr>
<tr>
<td>L8773/17R</td>
<td>4000 kg</td>
<td>700 mm</td>
<td>1750 mm</td>
<td>± 100 mm</td>
<td>42 kg</td>
</tr>
<tr>
<td>L8773/20R</td>
<td>4000 kg</td>
<td>700 mm</td>
<td>2000 mm</td>
<td>± 100 mm</td>
<td>48 kg</td>
</tr>
<tr>
<td>L8778/15</td>
<td>6000 kg</td>
<td>800 mm</td>
<td>1500 mm</td>
<td>± 115 mm</td>
<td>68 kg</td>
</tr>
<tr>
<td>L8778/20</td>
<td>6000 kg</td>
<td>800 mm</td>
<td>2000 mm</td>
<td>± 115 mm</td>
<td>90 kg</td>
</tr>
</tbody>
</table>
2.3 ALUMINUM BRIDGE FOR DOCK/WAGON (TW)

ALUMINUM BRIDGE FOR DOCK/WAGON TYPE TW

- Load capacity 4000 kg
- Transhipment of wagons (or trucks)
- High resistance aluminum profile
- Anti-skidding grooved surface
- For loading by hand trucks, four-wheel carts, forklift trucks and pallet jacks
- Anti-skidding safety stop
- Handhold cutouts
- 6 tons models upon request

Options:

- Retractable forklift prong pockets: L=185, W=68, H=30 mm
- Transport wheel type ACP06, Ø125 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height compensation</th>
<th>Dock Wagon Space</th>
<th>C</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TW 7205</td>
<td>520 mm</td>
<td>1500 mm</td>
<td>+50 mm</td>
<td>190 – 290 mm</td>
<td>185 mm</td>
<td>27 kg</td>
</tr>
<tr>
<td>TW 7210</td>
<td>590 mm</td>
<td>1500 mm</td>
<td>+60 mm</td>
<td>260 – 360 mm</td>
<td>255 mm</td>
<td>29 kg</td>
</tr>
<tr>
<td>TW 7215</td>
<td>690 mm</td>
<td>1500 mm</td>
<td>+70 mm</td>
<td>360 – 460 mm</td>
<td>355 mm</td>
<td>33 kg</td>
</tr>
</tbody>
</table>
2.4 MOBILE CONNECTING BRIDGE (SM)

Product features
These aluminum bridges are very light and easy to handle and are made from a single profile (in two mobile parts) that perfectly compensate for unevenness in the floor at the access ramp. It is thus possible to transship loads of 5000 kg without any difficulty.

MOBILE CONNECTING BRIDGE TYPE SM

- Highly resistant profiled aluminum loading bridge with grooved surface
- Articulated access ramp
- Anti-slip and sound absorbing rubber band at the touching point between the bridge and the ground
- Anti-skidding safety stop
- Transport wheels
- Handhold cutouts

Easy installation thanks to its wheels

A stop (trailer side) and an anti-slip rubber band (at the touching point between the bridge and the dock) to ensure a perfect stability of the bridge during loading and unloading operations. The rubber band also has a sound absorbing function.

<table>
<thead>
<tr>
<th>Model</th>
<th>Load capacity (kg)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height Compensation (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM 7005</td>
<td>5000</td>
<td>1270</td>
<td>1255</td>
<td>+ 200</td>
<td>52</td>
</tr>
<tr>
<td>SM 7010</td>
<td>5000</td>
<td>1270</td>
<td>1505</td>
<td>+ 200</td>
<td>62</td>
</tr>
<tr>
<td>SM 7025</td>
<td>4500</td>
<td>1560</td>
<td>1255</td>
<td>+ 250</td>
<td>61</td>
</tr>
<tr>
<td>SM 7030</td>
<td>4500</td>
<td>1560</td>
<td>1505</td>
<td>+ 250</td>
<td>72</td>
</tr>
<tr>
<td>SM 7035</td>
<td>4300</td>
<td>1760</td>
<td>1255</td>
<td>+ 285</td>
<td>67</td>
</tr>
<tr>
<td>SM 7040</td>
<td>4300</td>
<td>1760</td>
<td>1505</td>
<td>+ 285</td>
<td>79</td>
</tr>
<tr>
<td>SM 7045</td>
<td>4000</td>
<td>1960</td>
<td>1255</td>
<td>+ 320</td>
<td>73</td>
</tr>
<tr>
<td>SM 7050</td>
<td>4000</td>
<td>1960</td>
<td>1505</td>
<td>+ 320</td>
<td>86</td>
</tr>
</tbody>
</table>
### 2.5 HORIZONTALLY MOBILE CONNECTING DOCK PLATE

**Product features**

The lever allows lifting the bridge balancing on its wheels and can easily be displaced down to the truck. For safety reasons, the wheels are not in contact with the ground during the transhipment and the anti-slip rubber band at the touching point between the bridge and the dock ensures a secure grip.

### HORIZONTALLY MOBILE CONNECTING DOCK PLATE TYPE BSM

- Highly resistant profiled aluminum loading bridge with grooved surface
- Articulated access ramp
- Anti-skidding safety stop
- Anti-slip and sound absorbing rubber band at the touching point between the bridge and the ground
- Two foldable wheels
- Detachable operation lever: Thanks to the lever and the side wheels, the bridge can be operated easily by a single person (even for the longest models of up to 3.5 m).

<table>
<thead>
<tr>
<th>Model</th>
<th>Load capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height compensation</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSM 1515</td>
<td>4500 kg</td>
<td>1500 mm</td>
<td>1500 mm</td>
<td>+ 225 mm</td>
<td>91 kg</td>
</tr>
<tr>
<td>BSM 1517</td>
<td>4700 kg</td>
<td>1500 mm</td>
<td>1750 mm</td>
<td>+ 225 mm</td>
<td>104 kg</td>
</tr>
<tr>
<td>BSM 1520</td>
<td>5000 kg</td>
<td>1500 mm</td>
<td>2000 mm</td>
<td>+ 225 mm</td>
<td>117 kg</td>
</tr>
<tr>
<td>BSM 2015</td>
<td>4000 kg</td>
<td>2000 mm</td>
<td>1500 mm</td>
<td>+ 300 mm</td>
<td>115 kg</td>
</tr>
<tr>
<td>BSM 2017</td>
<td>4200 kg</td>
<td>2000 mm</td>
<td>1750 mm</td>
<td>+ 300 mm</td>
<td>132 kg</td>
</tr>
<tr>
<td>BSM 2020</td>
<td>4500 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
<td>+ 300 mm</td>
<td>149 kg</td>
</tr>
<tr>
<td>BSM 2515</td>
<td>3500 kg</td>
<td>2500 mm</td>
<td>1500 mm</td>
<td>+ 375 mm</td>
<td>139 kg</td>
</tr>
<tr>
<td>BSM 2517</td>
<td>3700 kg</td>
<td>2500 mm</td>
<td>1750 mm</td>
<td>+ 375 mm</td>
<td>160 kg</td>
</tr>
<tr>
<td>BSM 2520</td>
<td>4000 kg</td>
<td>2500 mm</td>
<td>2000 mm</td>
<td>+ 375 mm</td>
<td>181 kg</td>
</tr>
<tr>
<td>BSM 3015</td>
<td>3000 kg</td>
<td>3000 mm</td>
<td>1500 mm</td>
<td>+ 450 mm</td>
<td>163 kg</td>
</tr>
<tr>
<td>BSM 3017</td>
<td>3200 kg</td>
<td>3000 mm</td>
<td>1750 mm</td>
<td>+ 450 mm</td>
<td>188 kg</td>
</tr>
<tr>
<td>BSM 3020</td>
<td>3500 kg</td>
<td>3000 mm</td>
<td>2000 mm</td>
<td>+ 450 mm</td>
<td>213 kg</td>
</tr>
<tr>
<td>BSM 3515</td>
<td>2500 kg</td>
<td>3500 mm</td>
<td>1500 mm</td>
<td>+ 525 mm</td>
<td>187 kg</td>
</tr>
<tr>
<td>BSM 3517</td>
<td>2700 kg</td>
<td>3500 mm</td>
<td>1750 mm</td>
<td>+ 525 mm</td>
<td>216 kg</td>
</tr>
<tr>
<td>BSM 3520</td>
<td>3000 kg</td>
<td>3500 mm</td>
<td>2000 mm</td>
<td>+ 525 mm</td>
<td>245 kg</td>
</tr>
</tbody>
</table>

Option: Retractable forklift prong pockets
2.6 LIGHT, FOLDING ALUMINUM RAMPS

**FOLDING RAMP L/8772/20**
Light and easy to store in small vehicles, the aluminum ramp is perfect for loading using a hand truck or a four-wheel cart.
Anti-skidding aluminum profile.

**FOLDING RAMP WITH TWO PARTS L/8772/44**
Light and easy to store in small vehicles, the anti-slip aluminum profile ramp consisting of two parts is equipped with four handles.
Perfect for loading using a hand truck or a four-wheel cart.

<table>
<thead>
<tr>
<th>Model</th>
<th>Load capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height compensation</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>L/8772/20</td>
<td>400 kg</td>
<td>2000 mm</td>
<td>800 mm</td>
<td>+600 mm</td>
<td>32 kg</td>
</tr>
<tr>
<td>L/8772/26</td>
<td>240 kg</td>
<td>2600 mm</td>
<td>800 mm</td>
<td>+750 mm</td>
<td>40 kg</td>
</tr>
<tr>
<td>L/8772/44</td>
<td>300 kg</td>
<td>2000 mm</td>
<td>2x400 mm</td>
<td>+600 mm</td>
<td>2x16 kg</td>
</tr>
</tbody>
</table>
2.7 ALUMINUM LOADING RAMP

ALUMINUM LOADING RAMP TYPE WAL

- Articulated access ramp with anti-slip and sound absorbing rubber band at the touching point between the bridge and the ground
- Highly resistant aluminum profile with anti-skidding transversal grooves as strong as steel but 50% lighter
- Anti-skidding safety stop
- Two transport wheels
- Handhold cutouts

Option:
- Side ledges, 30 mm high

<table>
<thead>
<tr>
<th>Model</th>
<th>Load capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height compensation</th>
<th>Handhold</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAL2007</td>
<td>4000 kg</td>
<td>2000 mm</td>
<td>750 mm</td>
<td>+ 600 mm</td>
<td>2</td>
<td>46 kg</td>
</tr>
<tr>
<td>WAL2010</td>
<td>4000 kg</td>
<td>2000 mm</td>
<td>1000 mm</td>
<td>+ 600 mm</td>
<td>2</td>
<td>61 kg</td>
</tr>
<tr>
<td>WAL2507</td>
<td>3400 kg</td>
<td>2500 mm</td>
<td>750 mm</td>
<td>+ 750 mm</td>
<td>2</td>
<td>57 kg</td>
</tr>
<tr>
<td>WAL2510</td>
<td>3400 kg</td>
<td>2500 mm</td>
<td>1000 mm</td>
<td>+ 750 mm</td>
<td>2</td>
<td>75 kg</td>
</tr>
<tr>
<td>WAL3007</td>
<td>2700 kg</td>
<td>3000 mm</td>
<td>750 mm</td>
<td>+ 900 mm</td>
<td>2</td>
<td>68 kg</td>
</tr>
<tr>
<td>WAL3010</td>
<td>2700 kg</td>
<td>3000 mm</td>
<td>1000 mm</td>
<td>+ 900 mm</td>
<td>2</td>
<td>89 kg</td>
</tr>
<tr>
<td>WAL3507</td>
<td>2300 kg</td>
<td>3500 mm</td>
<td>750 mm</td>
<td>+ 1050 mm</td>
<td>4</td>
<td>79 kg</td>
</tr>
<tr>
<td>WAL3510</td>
<td>2300 kg</td>
<td>3500 mm</td>
<td>1000 mm</td>
<td>+ 1050 mm</td>
<td>4</td>
<td>104 kg</td>
</tr>
<tr>
<td>WAL4007</td>
<td>1900 kg</td>
<td>4000 mm</td>
<td>750 mm</td>
<td>+ 1200 mm</td>
<td>4</td>
<td>90 kg</td>
</tr>
<tr>
<td>WAL4010</td>
<td>1900 kg</td>
<td>4000 mm</td>
<td>1000 mm</td>
<td>+ 1200 mm</td>
<td>4</td>
<td>118 kg</td>
</tr>
<tr>
<td>WAL4507</td>
<td>1700 kg</td>
<td>4500 mm</td>
<td>750 mm</td>
<td>+ 1350 mm</td>
<td>4</td>
<td>101 kg</td>
</tr>
<tr>
<td>WAL4510</td>
<td>1700 kg</td>
<td>4500 mm</td>
<td>1000 mm</td>
<td>+ 1350 mm</td>
<td>4</td>
<td>132 kg</td>
</tr>
<tr>
<td>WAL5007</td>
<td>5000 kg</td>
<td>5000 mm</td>
<td>750 mm</td>
<td>+ 1500 mm</td>
<td>4</td>
<td>111 kg</td>
</tr>
<tr>
<td>WAL5010</td>
<td>5000 kg</td>
<td>5000 mm</td>
<td>1000 mm</td>
<td>+ 1500 mm</td>
<td>4</td>
<td>146 kg</td>
</tr>
</tbody>
</table>

Upon order an indication of the necessary height compensation is essential.
LOADING RAMP ACCESSORIES

MOBILE BUMPERS FOR PROTECTION OF BUILDINGS AND TRUCKS
3.1 RUBBER BUMPERS

BUMPERS TYPE BUCC18 AND BUCC13

- Molded rubber
- Resistant to UV, salts, oils, fuel and ozone
- Fixation by means of anchor bolts (not included) in the concrete
- Models BUCC18, BUCC13 and BUCC20 are sold in pairs without bolts

BUMPERS TYPE BUCC20

They come with their fixation plate for anchor bolts. They slip inside the bumpers into a slot designed for this purpose. Bolts not included.

DOCK PROTECTOR TYPE BUDM3

Comes with its steel bolt fixing plate. Bolts included. Model BUDM3 sold by linear meter with bolts.

<table>
<thead>
<tr>
<th>Model</th>
<th>BUDM3</th>
<th>BUCC20</th>
<th>BUCC13</th>
<th>BUCC18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>110 mm</td>
<td>116 mm</td>
<td>340 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Width</td>
<td>in meters</td>
<td>500 mm</td>
<td>260 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>95 mm</td>
<td>70 mm</td>
<td>100 mm</td>
<td>105 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>9.2 kg/m</td>
<td>10.34 kg*</td>
<td>13.10 kg*</td>
<td>21.40 kg*</td>
</tr>
</tbody>
</table>

(*) Weight of the pair
3.2 FIXED RUBBER STRIP STEEL BUMPERS

**FIXED RUBBER STRIP STEEL BUMPERS**
- Very strong steel bumpers (delivered in pairs)
- Welding and/or bolt fixed bumpers (bolts not included)
- Rubber strips are replaceable when worn out
- Steel protection cover for models BULA11, BULA21, BULA31, BULA32 and BULA41
- Stand finish: oven-lacquered epoxy powder

**Options:**
- Standard Dock cap, 280 x 200 mm, type CABU8
- Bolt (for positioning on top of the dock) or welding fixed bumper leveller H=100 mm type REBU4, H=150 mm type REBU13, H=200 mm type REBU17 and H=250 mm type REBU12 with a base of 200 mm for all models

<table>
<thead>
<tr>
<th>Model</th>
<th>BULA1</th>
<th>BULA11</th>
<th>BULA2</th>
<th>BULA21</th>
<th>BULA3</th>
<th>BULA31</th>
<th>BULA32</th>
<th>BULA4</th>
<th>BULA41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable height</td>
<td>500 mm</td>
<td>500 mm</td>
<td>400 mm</td>
<td>400 mm</td>
<td>400 mm</td>
<td>400 mm</td>
<td>400 mm</td>
<td>500 mm</td>
<td>500 mm</td>
</tr>
<tr>
<td>Total height</td>
<td>500 mm</td>
<td>553 mm</td>
<td>450 mm</td>
<td>450 mm</td>
<td>400 mm</td>
<td>450 mm</td>
<td>450 mm</td>
<td>500 mm</td>
<td>553 mm</td>
</tr>
<tr>
<td>Usable length</td>
<td>165 mm</td>
<td>200 mm</td>
<td>180 mm</td>
<td>200 mm</td>
<td>196 mm</td>
<td>178 mm</td>
<td>178 mm</td>
<td>180 mm</td>
<td>200 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>270 mm</td>
<td>270 mm</td>
<td>250 mm</td>
<td>250 mm</td>
<td>230 mm</td>
<td>230 mm</td>
<td>230 mm</td>
<td>230 mm</td>
<td>230 mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>100 mm</td>
<td>112 mm</td>
<td>108 mm</td>
<td>120 mm</td>
<td>108 mm</td>
<td>120 mm</td>
<td>120 mm</td>
<td>108 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Metallic cover</td>
<td>-</td>
<td>15 mm</td>
<td>-</td>
<td>15 mm</td>
<td>-</td>
<td>15 mm</td>
<td>30 mm</td>
<td>-</td>
<td>15 mm</td>
</tr>
<tr>
<td>Weight (pair)</td>
<td>33 kg</td>
<td>67 kg</td>
<td>39 kg</td>
<td>64 kg</td>
<td>34 kg</td>
<td>58 kg</td>
<td>65 kg</td>
<td>44 kg</td>
<td>78 kg</td>
</tr>
</tbody>
</table>

*Leveller type REBU4*
3.3 MOBILE BUMPERS

Product features
Since trucks equipped with air suspension are becoming more and more numerous, the traditional fixed dock bumpers are less suitable to resist the high pressure (permanent vertical movement), exercised by the trailers during transfer operations for a very long time. This results in a rapid wear. Once the bumpers have been destroyed, it is the building that has to absorb the impact of the vehicles. The solution: the mobile bumper continuously adjusts to the different vehicle height.

MOBILE BUMPERS TYPE BUMO115

- Strong construction
- Fixed base that can be installed on all the decks, delivered with special bolts
- Mobile part equipped with a rubber shock absorber block (70 shore), vertical movement +/- 100 mm
- Very resistant, reinforced monoblock cover
- Maintenance free, the inner rubber block is never subjected to any form of tear
- Protected compression spring, extra large, unaffected by weather variations
- Standard finish: oven-lacquered red epoxy powder (Other colours available upon request)

Options:
- Standard Dock cap 280 x 200 mm, type CABU8
- Bolt (for positioning on top of the dock) or welding fixed bumper leveller
  H=100 mm type REBU4, H=150 mm type REBU13, H=200 mm type REBU17 and H=250 type REBU12 with a base of 200 mm for all models
- Heat galvanisation

<table>
<thead>
<tr>
<th>Model</th>
<th>BUMO115</th>
<th>BUMO1151 (galvanised)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>535 mm</td>
<td>535 mm</td>
</tr>
<tr>
<td>Total height</td>
<td>665 mm</td>
<td>665 mm</td>
</tr>
<tr>
<td>Width</td>
<td>255 mm</td>
<td>255 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>118 mm</td>
<td>118 mm</td>
</tr>
<tr>
<td>Weight (pair)</td>
<td>91 kg</td>
<td>91 kg</td>
</tr>
</tbody>
</table>

Option: Levelled bumpers in two to ensure the stoppage of taller vehicles.
3.4 CHOCS FOR TRUCKS

Product features

The EXPRESSO chocks (sold in pairs) are used when the truck is too low or when the slope is too high for handling equipment. Standard rear stop.

STEEL/ALUMINUM CHOCS TYPE RH

Options:
- Removable transport wheels (One per lifter)
- Tiller on wheels (To be specified upon order)
- Anchor bolt feet and bolts (To be specified upon order)

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Length</th>
<th>Horizontal</th>
<th>Slope</th>
<th>Height</th>
<th>Load capacity (pair)</th>
<th>Weight of aluminum lifters</th>
<th>Weight of steel lifters</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH 15/400</td>
<td>400 mm</td>
<td>1560 mm</td>
<td>1070 mm</td>
<td>510 mm</td>
<td>150 mm</td>
<td>20 tons</td>
<td>2 x 23 kg</td>
<td>2 x 74 kg</td>
</tr>
<tr>
<td>RH 15/600</td>
<td>600 mm</td>
<td>1560 mm</td>
<td>1070 mm</td>
<td>510 mm</td>
<td>150 mm</td>
<td>20 tons</td>
<td>2 x 31 kg</td>
<td>2 x 98 kg</td>
</tr>
<tr>
<td>RH 20/400</td>
<td>400 mm</td>
<td>1560 mm</td>
<td>910 mm</td>
<td>680 mm</td>
<td>200 mm</td>
<td>20 tons</td>
<td>2 x 26 kg</td>
<td>2 x 86 kg</td>
</tr>
<tr>
<td>RH 20/600</td>
<td>600 mm</td>
<td>1560 mm</td>
<td>910 mm</td>
<td>680 mm</td>
<td>200 mm</td>
<td>20 tons</td>
<td>2 x 35 kg</td>
<td>2 x 112 kg</td>
</tr>
<tr>
<td>RH 25/400</td>
<td>400 mm</td>
<td>1560 mm</td>
<td>755 mm</td>
<td>835 mm</td>
<td>250 mm</td>
<td>20 tons</td>
<td>2 x 29 kg</td>
<td>2 x 95 kg</td>
</tr>
<tr>
<td>RH 25/600</td>
<td>600 mm</td>
<td>1560 mm</td>
<td>755 mm</td>
<td>835 mm</td>
<td>250 mm</td>
<td>20 tons</td>
<td>2 x 38 kg</td>
<td>2 x 123 kg</td>
</tr>
<tr>
<td>RH 30/400</td>
<td>400 mm</td>
<td>1560 mm</td>
<td>600 mm</td>
<td>1000 mm</td>
<td>300 mm</td>
<td>20 tons</td>
<td>2 x 32 kg</td>
<td>2 x 105 kg</td>
</tr>
<tr>
<td>RH 30/600</td>
<td>600 mm</td>
<td>1560 mm</td>
<td>600 mm</td>
<td>1000 mm</td>
<td>300 mm</td>
<td>20 tons</td>
<td>2 x 42 kg</td>
<td>2 x 136 kg</td>
</tr>
</tbody>
</table>

Other sizes available upon request