



EXPRESSO CATALOGUE

► For loading ramp safety and loading systems



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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.



Accessory support for wheel chock CLCC200: It comes with two fixing plugs and a standard retaining chain of 6 m (different length available upon request).

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



Wheel chock Type CLAC730

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



Support for wheel chock SUCL6001



Accessory: Kit of polyamide wheels and movement lever



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

Model	Length	Width	Height	Weight
Rubber wheel chock CLCC200	254 mm	185 mm	193 mm	6 kg
Steel wheel chock CLAC001	390 mm	208 mm	220 mm*	10 kg

(*) Including rubber height



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



CLAC001 wheel chock with kit of polyamide wheels and movement lever

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

- ▶ Voltage: 230 V, Power: 25 W, Energy rating: C, 2000 lumens, Lifetime: 8000 hours
- ▶ 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.

Guideline 2004/108/CE - Guideline 2006/95/CE - Guideline 2011/65/CE



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.



**Limit collision risks
caused by lack
of illumination!**

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.

Guideline 2004/108/CE - Guideline 2006/95/CE - Guideline 2011/65/CE




**Provides
illumination of areas
thanks to its wide
lighting angle**



1.3 DOCK LED PROJECTORS

DOCK LED PROJECTOR FOR DIRECTIONAL ILLUMINATION TYPE PJQU100

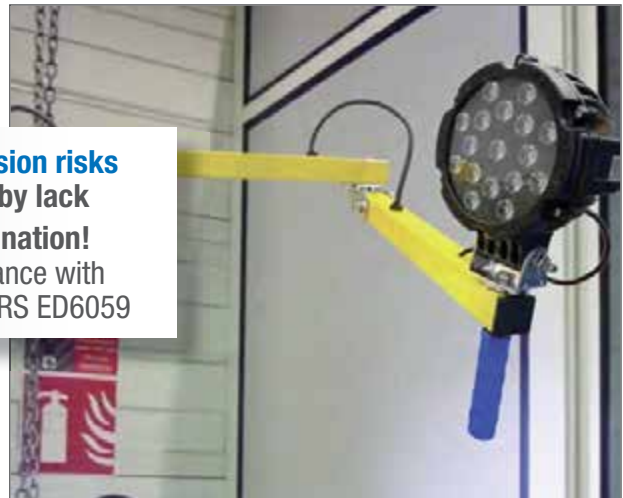
The installation of additional light helps illuminating the most hazardous areas and it also helps removing contrasts of light that require a period of adaptation of the pupil which constitutes a potential source of danger.

- ▶ 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



Dock projectors PJQU60



1.4 SECURITY STANDS (JACK B/H/SB)

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.

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.



Model	Stand length	Stand width	Height	Static charge	Weight
JACK/SB (BEST1)	450 mm	450 mm	Between 670 to 970 mm	40 tons	56 kg
JACK/B (BEST100)	450 mm	450 mm	Between 1150 to 1450 mm	40 tons	70 kg
JACK/H (BEST200)	450 mm	450 mm	Between 1350 to 1550 mm	40 tons	71 kg



1.5 „V“ SECURITY STAND

Product features

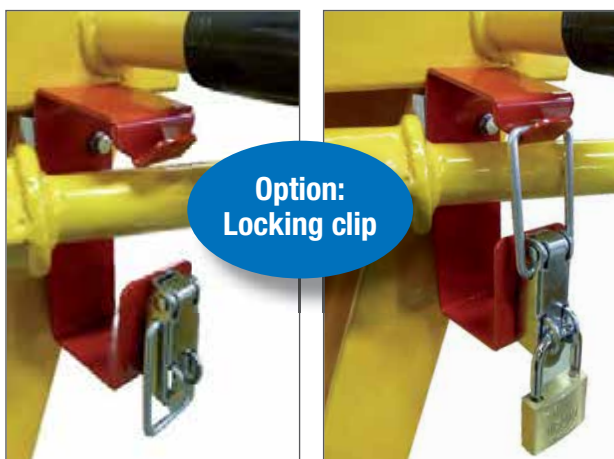
Security stands are designed to secure the transshipment operations performed in uncoupled trailers. Security stands placed under the trailer prevent it from tipping.

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).



**STOP THE FALLS
OF UNCOUPLED
TRAILERS!**



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.



Model	Usable length	Width	Height	Load capacity	Weight
TRM0004	1130 mm	570 mm	Between 890 to 1320 mm	15 tons	52 kg
TRM01800	1800 mm	570 mm	Between 670 to 910 mm	15 tons	70 kg



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



Model	TRM040
Usable length	1584 mm
Width	600 mm
Height	Between 745 to 1060 mm
Load capacity	25 tons
Weight	213 kg



1.7 WHEEL GUIDES

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.



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 250 x 250 mm, 8 mm thick
- ▶ Fixation by means of anchor bolts in the concrete floor (base)



Wheel guides GRFI2400

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!



Model	GRFI2400	GRFI24140 Galva. or yellow
Length	2400 mm	2400 mm
Total height	300 mm	265 mm
Height relative to the ground	300 mm	265 mm
Unit weight	71 kg	36 kg
Diameter	168 mm	140 mm



Wheel guides GRFI2400



Wheel guides GRFI2400 yellow powder coating

LOADING SYSTEMS



► **EXPRESSO 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



Model	Load capacity	Length	Width	Height compensation	Weight
L8761	1000 kg	800 mm	1000 mm	± 150 mm	18 kg
L8763	1000 kg	1000 mm	800 mm	± 170 mm	18 kg
L8764	1000 kg	1500 mm	800 mm	± 280 mm	30 kg
L8769	1000 kg	1000 mm	1000 mm	± 170 mm	21 kg
L8770	1000 kg	1200 mm	1000 mm	± 220 mm	26 kg
L8781	1500 kg	800 mm	1250 mm	± 150 mm	25 kg
L8783	1500 kg	1000 mm	1250 mm	± 170 mm	30 kg
L8790	1500 kg	1200 mm	1250 mm	± 220 mm	39 kg
L8784	1500 kg	1500 mm	1250 mm	± 280 mm	47 kg
L8779/1250	4000 kg	550 mm	1250 mm	± 75 mm	26 kg
L8779/1500	4000 kg	550 mm	1500 mm	± 75 mm	30 kg
L8779/1750	4000 kg	550 mm	1750 mm	± 75 mm	36 kg
L8779/2000	4000 kg	550 mm	2000 mm	± 75 mm	40 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



L8773



Model	Load capacity	Length	Width	Height compensation	Weight
L8773/10	2000 kg	700 mm	1000 mm	± 100 mm	16 kg
L8773/15	2000 kg	700 mm	1500 mm	± 100 mm	25 kg
L8773/17	2000 kg	700 mm	1750 mm	± 100 mm	29 kg
L8773/20	2000 kg	700 mm	2000 mm	± 100 mm	33 kg
L8773/15R	4000 kg	700 mm	1500 mm	± 100 mm	36 kg
L8773/17R	4000 kg	700 mm	1750 mm	± 100 mm	42 kg
L8773/20R	4000 kg	700 mm	2000 mm	± 100 mm	48 kg
L8778/15	6000 kg	800 mm	1500 mm	± 115 mm	68 kg
L8778/20	6000 kg	800 mm	2000 mm	± 115 mm	90 kg



Aluminum plate type L8773



Type L8778: bridge with standard retractable forklift prong pockets

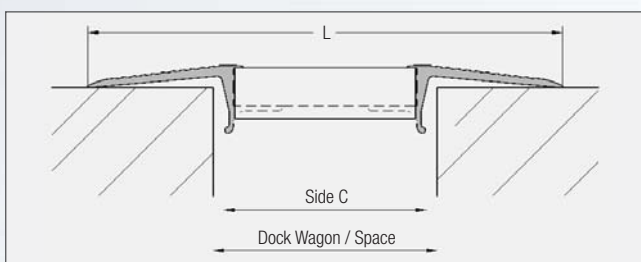
2.3 ALUMINUM BRIDGE FOR DOCK/WAGON (TW)

ALUMINUM BRIDGE FOR DOCK/WAGON TYPE TW

- ▶ Load capacity 4000 kg
- ▶ Transshipment 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



Model	Length	Width	Height compensation	Dock Wagon Space	C	Weight
TW 7205	520 mm	1500 mm	+50 mm	190 – 290 mm	185 mm	27 kg
TW 7210	590 mm	1500 mm	+60 mm	260 – 360 mm	255 mm	29 kg
TW 7215	690 mm	1500 mm	+70 mm	360 – 460 mm	355 mm	33 kg



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 tranship 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



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.

Model	Load capacity	Length	Width	Height compensation	Weight
SM 7005	5000 kg	1270 mm	1255 mm	+ 200 mm	52 kg
SM 7010	5000 kg	1270 mm	1505 mm	+ 200 mm	62 kg
SM 7025	4500 kg	1560 mm	1255 mm	+ 250 mm	61 kg
SM 7030	4500 kg	1560 mm	1505 mm	+ 250 mm	72 kg
SM 7035	4300 kg	1760 mm	1255 mm	+ 285 mm	67 kg
SM 7040	4300 kg	1760 mm	1505 mm	+ 285 mm	79 kg
SM 7045	4000 kg	1960 mm	1255 mm	+ 320 mm	73 kg
SM 7050	4000 kg	1960 mm	1505 mm	+ 320 mm	86 kg



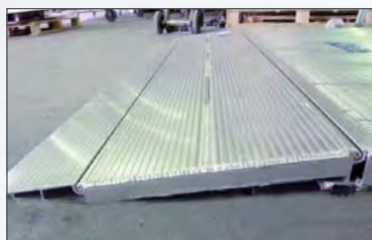
2.5 HORIZONTALLY MOBILE CONNECTING DOCK PLATE

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).



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



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.



Ramp L/8772/20 with mobile accessory wheels Ø80 mm, type ACRA3

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.



Model	Load capacity	Length	Width	Height compensation	Weight
L/8772/20	400 kg	2000 mm	800 mm	+600 mm	32 kg
L/8772/26	240 kg	2600 mm	800 mm	+750 mm	40 kg
L/8772/44	300 kg	2000 mm	2x400 mm	+600 mm	2x16 kg



Ramp L/8772/44



Ramp L/8772/20

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 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



Articulated access ramp.



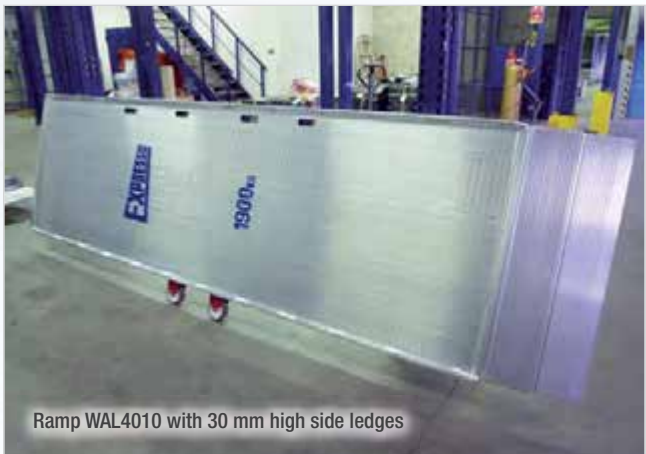
Handhold cutout



Wheel Ø125 mm

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

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



Ramp WAL4010 with 30 mm high side ledges



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



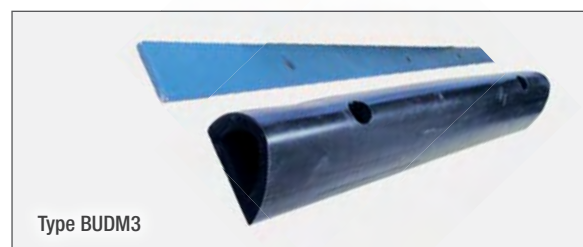
BUMPERS TYPE BUCC20

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.



Model	BUDM3	BUCC20	BUCC13	BUCC18
Height	110 mm	116 mm	340 mm	450 mm
Width	In meters	500 mm	260 mm	250 mm
Depth	95 mm	70 mm	100 mm	105 mm
Weight	9,2 kg/m	10,34 kg*	13,10 kg*	21,40 kg*

(*) 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



Leveller type REBU4

WELDING FIXED BUMPERS TYPE BULA3/31/4/41



WELDING FIXED BUMPERS WITH BOLTS BULA2/21 AND WELDING OR BOLT FIXED BUMPERS TYPE BULA1/11



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



BULA3 welded bumpers



BULA31 bumpers on the mini leveller

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 BUM0115

- ▶ 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



Intensive use



Model	BUM0115	BUM01151 (galvanised)
Height	535 mm	535 mm
Total height	665 mm	665 mm
Width	255 mm	255 mm
Depth	118 mm	118 mm
Weight (pair)	91 kg	91 kg

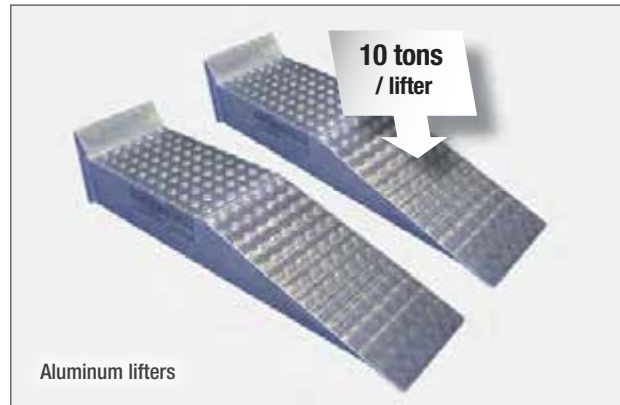
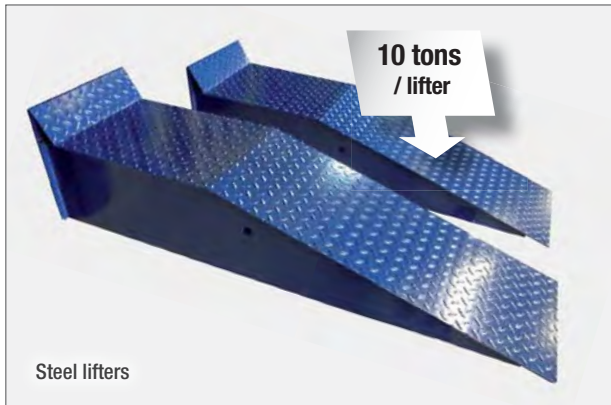


3.4 CHOCKS FOR TRUCKS

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 CHOCKS TYPE RH



Options:

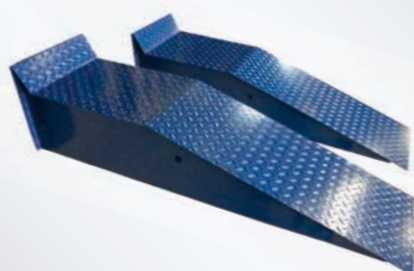
- ▶ Removable transport wheels (One per lifter)
- ▶ Tiller on wheels (To be specified upon order)
- ▶ Anchor bolt feet and bolts (To be specified upon order)



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

Other sizes available upon request





D-VT-01-0215



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