



Meclift logistical solutions for Steel and Aluminium industry



Take control over steel and aluminium logistics

Meclift has been founded in 1993 in Tampere, Finland. We have a long history on logistical innovations and have introduced several unique solutions to the markets.

With Meclift, you can handle materials safely and without damaging the goods. Meclift solutions are versatile, you can use one machine in several material handling tasks, or decide each one on one specific function. Take total control over your logistics with Meclift variable reach trucks and attachments.

Using the tools we have developed, it is possible to load/unload materials into/out of containers, significantly faster than with the existing tools and machines. However, our tools are suitable for all kind of material handling, whatever you need in ports, at factory or even in a cargo hold.

Meclift has solutions for...

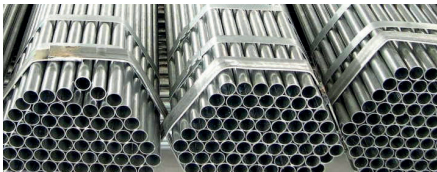
Rods



Coils



Pipes and tubes



Sheets



Ingots



Meclift solutions for rods



Meclift loading boxes technical specification with ML3012RC and compatibility

Model of the loading box	LB152	LB178	LB203	LB228	LB254
Rod diameter	152 mm	178 mm	203 mm	228 mm	254 mm
Weight of the loading box	2,496 kg	2,542 kg	2,223 kg	2,106 kg	1,978 kg
Max. length of the load	7.000 mm	7.000 mm	7.000 mm	7.000 mm	7.000 mm
Max. weight of the load	11,300 kg	11,300 kg	11,300 kg	11,300 kg	11,300 kg

Loading box

Meclift Loading Box that enables to handle aluminium bundles effortlessly and safely.

It is designed, and also guaranteed, to do this without causing any scratches or bending of the goods. A wide variety of dimensions available ensure that each customer can choose a solution that best fits their work environment.

Loading box is a smart innovation, which has got several worldwide patents.



Compatibility	Loading box
ML1612R	Yes
ML3012RC	Yes
ML4212RC	Yes
ML5012R	No



...material handling. To complement the logistical solutions, we have tools for container handling as well. It is possible to move, lift and stack containers with Meclift variable reach trucks, its attachments and with Meclift container mover.

Meclift offers also customization of the solutions to our customers

and we are always looking ways to improve and introduce new, efficient tools for your customers. We take pride in the fact that almost all of our manufactured machines are still in use, in very different sites and tasks, all over the world.



Meclift solutions for coils



Coil Ram

The Meclift Variable Reach Truck with a Coil Ram attachment is a superior combination when handling steel coils. With Adjustable Coil Ram even different size of coils can be handled efficiently.

Thanks to its compact size, loading a container from the back end by driving the load inside the container is effortless. We customize the Coil Ram dimensions according customers request. By exploitation of the 2,500 mm reach it is also possible to load the container from the outside. Positioning of cargo is facilitated by a side shift feature.

Coil Clamps

By combining the strength of a Coil Clamps attachment and the excellent reaching ability of Meclift Variable Reach Trucks, you get an efficient and safe solution for diverse tasks in cargo handling.

Meclift Variable Reach Trucks equipped with the Coil Clamps can also be used to load and unload containers or trailers.

Because working conditions vary from location to location, the Coil Clamps can be tailored and adjusted according to each customer's specific needs. A Coil Clamps delivery always includes a special stand for storing purposes.



Ghook

Take total control over coils. Meclift C-hook is our latest innovation for steel industry. It is equipped with hydraulic 360° rotation and 64° tilting. The lifting capacity is 30.000 kg, with ML3018RC variant.

With 360° rotation the operator can position the coil accurately and safely, for example into truck, open wagon or inside a vessel.

Moving coils from/to train, loading them in cargo bay are just few examples where Meclift C-hook with ML30/4212RC will excell in its work. It is evident that new level of efficiency is reachable with Meclift variable reach truck and C-hook.



Meclift variable reach trucks attachments usage, compatibility and technical specification

Loading/ stripping with	Coil ram	Coil clamps	C-hook
Container	Yes	Yes	No
Cargo hold	Yes	Yes	Yes
Trailer	Yes	Yes	Yes
Train	Yes	Yes	Yes
Yard/Harbour	Yes	Yes	Yes

Compatibility	Coil ram	Coil clamps	C-hook
ML1612R	Yes	Yes	Yes
ML3012RC	Yes	Yes	Yes*
ML4212RC	Yes	Yes	Yes
ML5012R	Yes	Yes	Yes

* 30t lifting capacity requires ML3018RC variant,. C-hook attachment weight is approx 5t

Coil Clamps (ML1612R)	
Distance between side plates	618 - 2198 mm
Distance between cylinder sufraces	292 - 1872 mm
Cylinder diameter	325 mm
Weight, clamp pair	1020 kg



Superior combination when handling steel coils



Meclift solutions for Sheets, Pipes and Tubes



Lifting beams

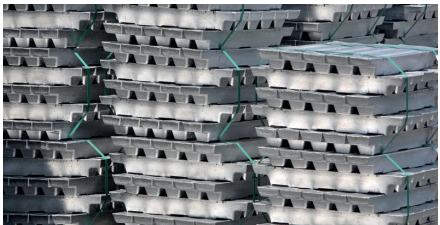
The beams are especially designed for handling extra-long objects, such as steel tubes, beams or sheets. It also handles diverse sacks effortlessly.

Together with the reaching ability of the Meclift Variable Reach Trucks the 7.5 meter beams considerably facilitate container loading. The number of trolleys can be chosen by the customer. The lifting capacity varies in line with the truck model.

Roller forks

Roller Forks also known as Air Cargo Pallet Forks (ACPF), it is possible to load and unload air cargo most efficiently and smoothly without hassle and unnecessary, time-consuming work phases.

Meclift roller forks acts as seamless extension to a roll conveyor in loading and unloading of cargo. Its agility and speed is based on the ability to lift pallets off the ground and to lay them directly on the roll conveyor by rolling. They can also be used to slide materials, like sheets or wood into containers.



Meclift solutions for Ingots



Double forks

System considerably improve the efficiency in cargo handling. As an easily mountable special attachment, it provides a multitude of benefits when loading and unloading containers and trailers.

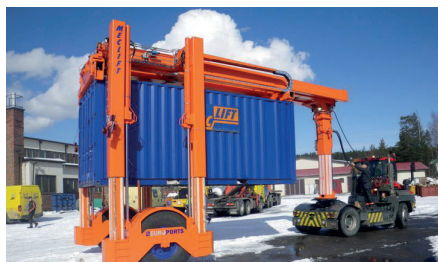
You can handle a total of four euro pallets or a similar load on one lift. Using the double forks and Meclift variable reach trucks capabilities, driving into a container and reaching, you can save time in container and trailer loading: for example a 20 ft container can be fully loaded with only two lifts.

Meclift™ variable reach trucks attachments compatibility

Compatibility	Lifting beams	Roller Forks (ACPF)	Double forks
ML1612R	Yes	Yes	Yes
ML3012RC	Yes	Yes	Yes
ML4212RC	Yes	Yes	Yes
ML5012R	Yes	Yes	Yes

The beams are especially designed for handling extra-long objects





ML36CM

Container Mover handles all container sizes ranging from 20 to 45 feet, including High Cube containers and lifts them on and off normal highway chassis. It fits through narrow terminal doors and under bridges in road traffic.

ML36CM can be attached to most terminal tractor brands and it is powered by tractor's hydraulics.

Work safety is improved by open forward-visibility from the terminal tractor's cabin and it does enable smooth operation.



Side spreader

is ELME manufactured accessory that can be fitted to Meclift variable reach truck, ML1612R. With side spreader you can stack empty containers up to three containers high.

With this attachment, you can transform your reach truck into reachstacker, and have even wider usage with your multipurpose Meclift variable reach truck in your location.

Meclift™ variable reach trucks and container movers brief technical data

	Type	Lifting capacity	Reach	Lifting height	Weight*	Turn radius	Length*	Width	Height
ML1612R	Truck	16 t	2,5 m	6,0 m	20 t	5,25m	5,47 m	2,16 m	2,26 m
ML3012RC	Truck	30 t	2,25 m	6,0 m	41 t	5,60m	6,15 m	2,85 m	3,65 m
ML4212RC	Truck	42 t	3,25 m	7,8 m	50 t	7,9m	7,36 m	3,78 m	3,33 m
ML5012R	Truck	50 t	2,25 m	6,0 m	59 t	7,03m	7,75 m	3,80 m	3,73 m
ML36CM	Other	36 t	-	2,0 m	16 t	-	9,5 / 15,8 m	4,02 m	cont. + 1 m

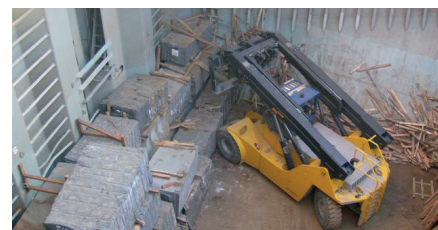
* without an attachment



ML1612R driving load into a container



ML3012R moving stones in harbour



ML5012R stacking stones in a cargo hold

Oy Meclift Ltd

Hepolamminkatu 51
FI-33720 Tampere, Finland
Tel +358 20 743 1120
Fax +358 20 743 1121
sales@meclift.fi
www.meclift.fi