



TROLLEYMOVER
Ergonomic pulling and pushing of
heavy loads on trolleys





Trolleymover

The MWB Trolleymover is a compact load manipulator that enables the positioning, with little effort and with centimeter accuracy, of even extremely heavily loaded trolleys — up to 1500 kg.



The MWB Trolleymover is a compact device for comfortable and convenient handling of large loads on trolleys. Even containers up to 1500 kg in weight can be integrated in the milkrun process — prohibited up to now without assistance for example by "ergonomic directives for pulling and pushing loads".

The Trolleymover furthermore reduces traffic frequency on the shop floor because it allows the use of heavier containers.

Work demand of personnel is also lessened because Trolleymover 1000 can move loads up to 1000 kg and

Trolleymover 1500 loads of maximally 1500 kg — accurately and conveniently, with very little physical effort. In that way utilization of storage or warehouse space is also improved. Use of transportation becomes more efficient, in a tugger train for instance, because much more can be moved by fewer runs.

Integration of the Trolleymover produces these benefits without hiring extra personnel. Because loads on a trolley weighing more than 600 kg should only be moved by two persons — or by a load manipulator.

▪ User-friendly

The device is simply operated, allowing both pulling and pushing of trolleys. Maneuvering in tight spaces is no problem at all with the Trolley mover, supported by a rotatable trolley pickup. The ergonomically formed shaft, adjustable in height, guarantees ease of operation. For more precise maneuvering of the Trolley mover it is possible to select one of two speeds.

Changing the rechargeable battery is simple, requiring no tools, and its design ensures correct fitting (poka yoke). To extend the lifetime of the rechargeable battery and prevent damaging exhaustive discharge, the Trolley mover cuts out automatically if not moved for a longish period.

▪ Safety aspects

Combination of a tried and tested device with the load pickup patented by MWB creates an unrivaled product. To brake suddenly, or if there is a large difference in weight between the Trolley mover and its load, the operator can handle reliably and surely in any situation.

The short stopping distance is achieved by using part of the weight to increase the friction of the driving castors (with roughened tread for better traction). The lock actuated by the foot pedal and the additional supporting castors eliminate any possibility of losing a load.

The safety of the operator is ensured by the standard pull-away switch and emergency stop button.

▪ Ergonomic aspects

Moving and especially the positioning of trolleys, weighing more than 500 kg when loaded but often even more than a tonne generally takes two persons, their muscles and tendons being taxed considerably by such activities. But exact maneuvering still remains a difficult and time-consuming procedure. The Trolley mover reduces the physical strain on personnel enormously, and consequently the times when they are unfit to work through illness.

The Trolley mover is easy to handle. Docking and undocking is ergonomic by treading a foot lever, and allows logistics personnel to park the heaviest loads with centimeter accuracy and by little physical exertion. The Trolley mover produces hardly any noise, and is suitable for both right-handed and left-handed operators. The operating handle can be adjusted in height for the particular operator.

▪ Application

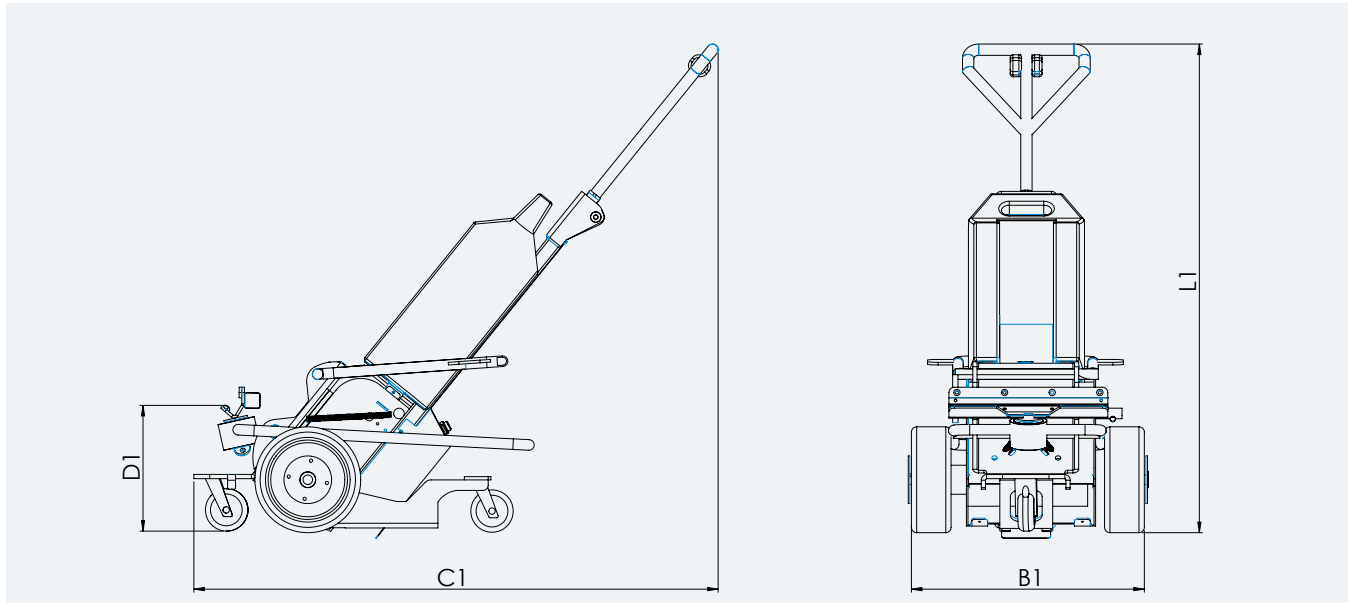
The device can be kept ready for use at locations (material sink, supermarket, etc) where heavily loaded trolleys are transported, or be carried on a milkrun system or trolley train using a trailer. The Trolley mover is thus always available on the spot, where needed.

A requirement for use is trolleys with a fixed castor or a castor with a directional lock. The fixed castor or directional lock must be positioned facing the operator. Standard trolleys must not use locking brakes, and there may be no directional lock on the side of the trolley facing the user.

The standard Trolley mover comes in a version to move Trolleys with an angular frame. MWB can also adapt it to the particular trolleys of an application. The power source onboard the Trolley mover is a powerful rechargeable battery that can easily last a whole working shift without recharging.

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Technical data of Trolleymover		1000	1500
Motor	V/W	24/300	24/600
Moved load	kg	1000	1500
Battery	V/Ah	24/18	24/18
Charger		External	External
Weight with rechargeable battery	kg	82	148
Chassis	Material/coating	Steel/powdered	Steel/powdered
L1 max.	mm	1130	1170
B1	mm	485	520
C1 for L1 max.	mm	1050	1010
D1 unlocked ground clearance	mm	230	230
D1 locked	mm	238	238

Custom versions are possible for special requirements.

Just inquire – we are glad to advise.



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