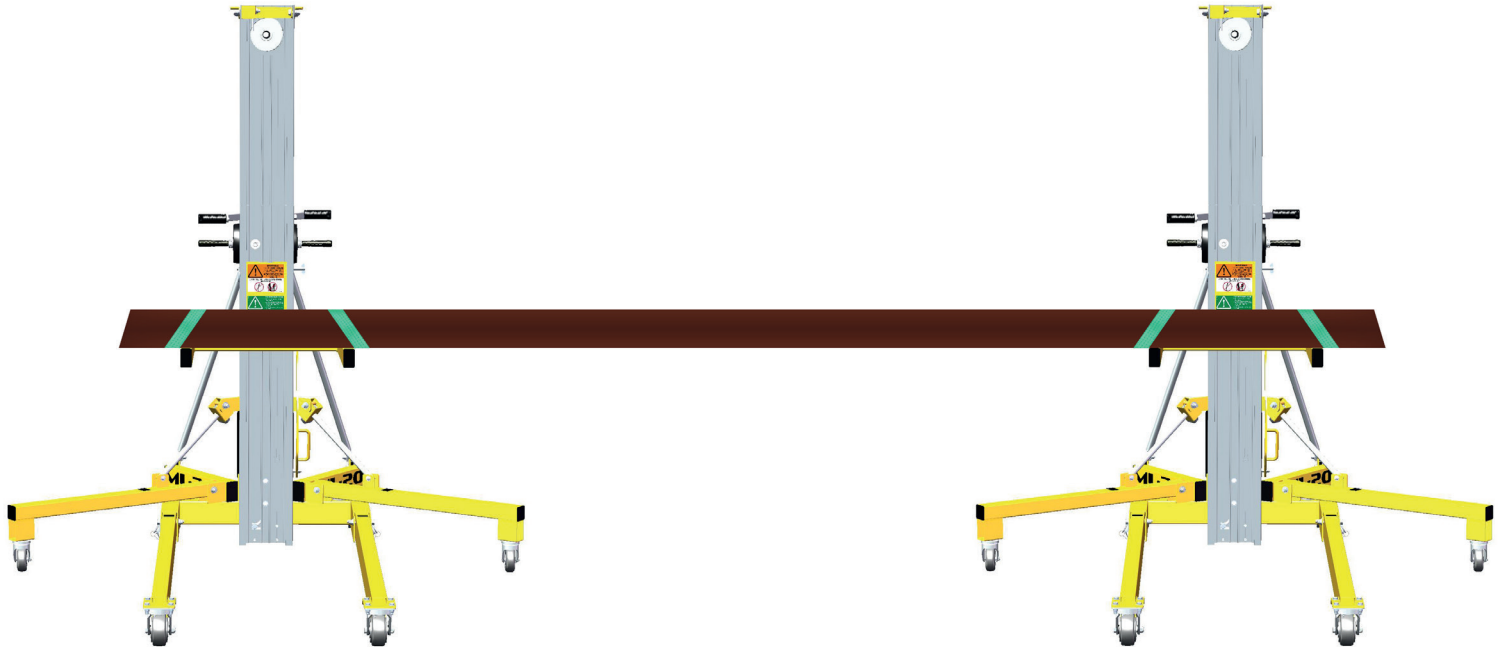


Mandatory Requirements for Tandem Lifting a Single Load Using Two ToughLift® Material Lifts

This document provides information on the safe use of two ToughLift® Material Lifts to lift a single load.

Typical examples of loads to be lifted using this method include, but are not limited to, beams, lighting trusses, rigid ducting, and pipes.

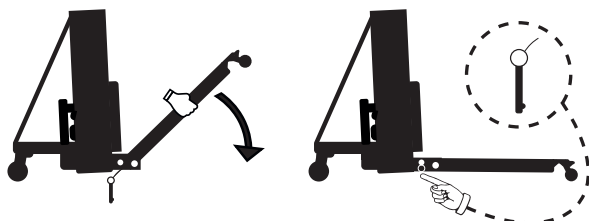


WARNINGS

- ❑ Failure to adhere to the instructions below will result in serious injury or death.
- ❑ **ALWAYS** undertake a risk assessment before deciding to use two ToughLift® Material Lifts in tandem to lift a single load.
- ❑ **ALWAYS** ensure that you have undertaken the pre-use checks on each machine as detailed in Section 6.2 of the Instruction Handbook.

Safety Rules

- ❑ Before undertaking a tandem lift with two ToughLift® Material Lifts you must ensure that you have read, understood, and will adhere to the Instruction Handbook, paying particular attention to the Safety Rules in Section 3.
- ❑ Never raise the mast on either machine without the front legs deployed and locked in position with the retaining pins attached to each machine.



- ❑ Tandem lifting of a load is only permissible where stabilisers are fitted to each of the two machines. **Note:** Stabilisers are standard on ML-20 and ML-25 machines, but not on ML-10 and ML-15 machines. Stabiliser sets for these machines are available to purchase from your ToughLift® Material Lifts dealer.



- ❑ Ensure all 6 castors (braked swivel castors on the splayed legs, front leg swivel castors, and stabiliser swivel castors) are in touch with the ground on each machine before adding the load to the Standard Forks.

- ❑ The use of two ToughLift® Material Lifts to lift a single load is only permissible using the Standard Forks and Pipe Cradle load handling attachments. **DO NOT** use the Load Platform, Extension Forks, or Boom.
- ❑ Never move either of the 2 machines whether the masts are lowered or raised when the load is in place on the Standard Forks.
- ❑ Never attempt a tandem lift outdoors where there are strong or gusting winds unless you are using adequately rated guy wires to secure each machine.
- ❑ Never apply any side loads to either machine or to the load when the load is being raised or lowered.
- ❑ Never allow works to be undertaken overhead of the ToughLift® Material Lifts and load being lifted.

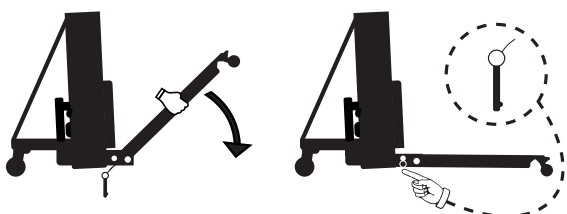
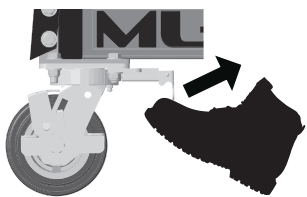


- ❑ Always check above where the load is to be lifted to ensure that there are no fixed or moving objects which may be struck by either machine, or the load being lifted.
- ❑ Never stand under or allow other personnel to stand under, in front of, or between either machine when the load is being raised or lowered.
- ❑ Never leave the machines unattended when loaded. Untrained and unauthorised personnel may attempt to operate the machines creating an unsafe situation.



Setting Up for a Tandem Lift

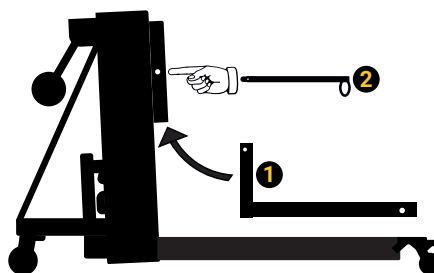
- ❑ The two machines to be used must be the same model i.e., two ML-10, two ML-15, two ML-20, or two ML-25 machines.
- ❑ Always ensure that the ground below the machines is capable of supporting each machine and the load being lifted.
- ❑ Always ensure that the ground is level and that each machine is operating on the same level.
- ❑ Always ensure that the braked swivel castors on the splayed legs of each machine are locked outbound of the chassis in a straight line by deploying the pedal-operated straight-line lock.
- ❑ Always lock the braked swivel castors on the splayed legs on both machines before adding the load to be lifted to the Standard Forks.
- ❑ Deploy the front legs of each machine and pin in position with the retaining pins attached to the machine.



- ❑ Deploy the stabilisers on each machine.



- ❑ Using the spirit level on the chassis ensure that the bubble is within the black circle on both machines.
- ❑ The Standard Forks must be inserted into the bottom of the carriage of each machine and locked in place with the drop nose retaining pin.



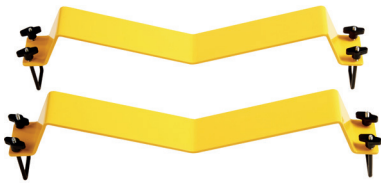
- ❑ Ensure the Standard Forks are at the same height from the ground by use of a tape measure before adding the load to be lifted to the Standard Forks.

- ❑ As with a standard lift with one machine the maximum permissible load centre is 61cm.
- ❑ The maximum load to be lifted when undertaking a tandem lift has for safety reasons been limited to 75% of the combined load capacity of the two machines. The loads shown in the table below are the maximum permissible loads which can be lifted using the tandem lift method.

| LOAD CENTRE | | | | |
|-------------|-------|-------|-------|-------|
| MODEL | 46cm | 51cm | 56cm | 61cm |
| ML-10 | 681kg | 681kg | 681kg | 681kg |
| ML-15 | 544kg | 544kg | 544kg | 544kg |
| ML-20 | 544kg | 498kg | 454kg | 408kg |
| ML-25 | 438kg | 396kg | 352kg | 306kg |

WARNING
Lifting loads which exceed those shown in the table above will cause serious injury or death.

- ❑ Always use the Pipe Cradle accessory fitted to the Standard Forks on each machine when lifting cylindrical shaped objects such as rigid ducting, pipes etc.



- ❑ Ensure that the load to be lifted is located as close to the carriage as possible and in the same position on both machines.
- ❑ Ensure the load to be lifted is secured to the Standard Forks on each machine with adequately rated and fully tightened straps or chains.
- ❑ When raising the load always ensure that the operator of each machine is synchronised as they raise and lowering the load. **The load must be kept perfectly level at all times.**

Should you require further advice relating to this or any other special working method being considered, please contact the manufacturer.

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