

MForks

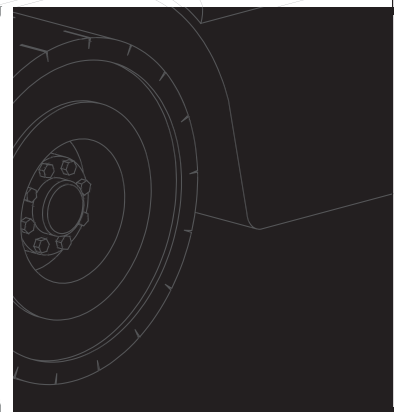
Forks with load moment monitoring and warning system

BENEFITS

- Measures the load-moment on the forks
- Indicates the load as a percentage of the forklift's capacity
- Visual and audio warning in case over overload
- Bluetooth data transfer between forks and indicator
- Tolerance 2%
- Installed in 5 minutes



Prevent overloading
or tipping over



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STANDARD SPECIFICATIONS

- Indicator digital
- Display LCD, digit height 18 mm, adjustable backlight
- Max. tolerance 2% of load-moment
- Signal transfer Bluetooth, class 1
- Battery life 180 hours

POWER SUPPLY

- Indicator is powered via the truck battery and switches on automatically when the truck starts
- The operator can customize the power settings in the 'Power Management' menu on the indicator
- Low battery warning in display
- When the fork batteries run low, a buzzer alarms the driver to replace them

HOW MFORKS WORKS

MForks is the world's first overload prevention system for forklift trucks. The load's weight as well as its load center point are taken into account. The actual Load-Moment is measured, based on our patented measurement principle, that is applied onto the forks.

Each fork and forklift truck has a load diagram. The actual lifting capacity is limited by the position of the load on the forks, also known as the load center point. But, does the truck driver actually know the load center point in practice?

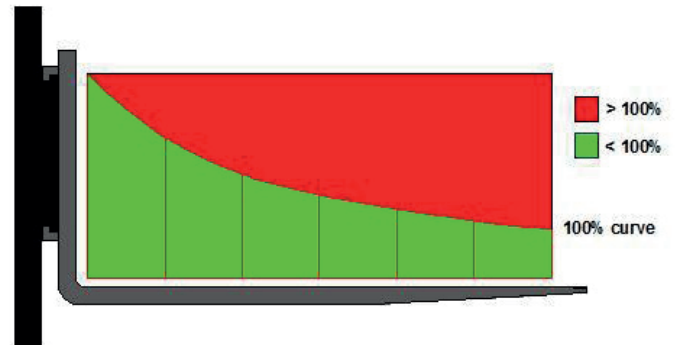
To prevent overloading, forks breaking or even a forklift truck tipping over, MForks measure the actual Load-Moment that is applied onto the forks. For each warning or error the driver is alarmed by the integrated buzzer.

A sensor on the forklift mast measures the actual lifting height so that the complete load diagram of the forklift truck can be monitored electronically. The MForks indicator is able to process both the load-moment data and the actual lifting height and provide the forklift driver with information on the lifted load in relation to the forklift's capacity.

THE WIRELESS MFORKS INDICATOR

The MForks indicator is mounted inside the cabin. The indicator communicates with the MForks via a secured Bluetooth connection and provides the forklift driver with realtime load-moment information. The indicator is powered continuously via the truck battery and can be mounted with a RAM-support.

After programming the indicator with the maximum lifting capacity of the forklift truck, it can calculate the actual load-moment on the forks as a percentage of that maximum capacity. For example, after picking up a load the forklift driver sees that this load, the position of the load on the forks and the height to which the load is lifted, charges the forklift truck with 75% of it's maximum lifting capacity.



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