



# MAST HEIGHT EXTENSION

**ADD-ON-MAST**, FOR FORKLIFTS TO  
STORE MORE PALLETS IN A WAREHOUSE.

- Extra lift height without buying a new mast or forklift.
- More lift height often means more storage volume in the warehouse.
- Cheaper than buying and mounting a new mast.
- For an improved under-door-clearance.
- Almost no influences on visibility.



## MORE MAST LENGTH WITH LIMITED UNDER-CLEARANCE AND OPTIMAL VISIBILITY

As the industry leader in extendable forklift fork solutions, KOOI® Mast Height Extension is designed to streamline pallet handling processes and optimize pallet storage, especially when underdone clearance is a limitation for a higher forklift mast. Whether in logistics, warehousing, or production environments, KOOI® Mast Height Extension significantly improves the efficiency and safety of material handling tasks.

### What is a Mast height Extensions.

The "Add-on Mast" is essentially an attachment fork carriage that can move up and down using cylinders. These cylinders are integrated into the guide profile construction, minimizing the overall thickness of the structure. Thanks to this innovative design, the standard forks of the forklift can be easily transferred, reducing additional costs. With a unique clear-view construction, working with a Mast Height Extension is more efficient than using a triple or quad mast construction.

**"Maximize efficiency and savings with KOOI® Mast Height Extension—lift higher without the extra cost."**





### When Is a Mast Height Extension Chosen?

There are several reasons why customers opt for a Mast Height Extension. Sometimes, a warehouse is set up with shelving heights based on the reach height of an existing forklift mast. If the end-user later decides to expand the warehouse shelving vertically, they may choose to apply an Add-On Mast. This solution is often more cost-effective than purchasing a completely new forklift or replacing the mast, which can significantly impact visibility and increase maintenance expenses.



Additionally, a taller mast can prevent the forklift from moving between different locations due to limited under-clearance. In such cases, purchasing an additional forklift may be necessary, leading to even higher costs since the existing mast must be replaced, and an extra forklift must be acquired.

For forklift OEMs, this can help reduce the number of masts with various lift heights and promote standardization. For forklift rental companies, a Mast Height Extension can provide greater flexibility by enabling faster deployment of existing forklifts.

### Interesting options for even better efficiency.



#### Camera system.

Enhance visibility and safety with the KOOI® Camera System, offering operators a clear view of pallet pockets to reduce damage, improve efficiency, and ensure precise fork positioning, especially in double-deep pallet storage



#### Laser.

Enhance precision and safety in high-bay racking with the KOOI® Laser, a guidance system that projects a precise light beam for accurate fork positioning, reducing damage and speeding up pallet handling



#### Manual KOOI® ReachForks.

When handling pallets of varying sizes, this can be done using manually extendable forks.

## Production and safety standards

Meijer Handling Solutions requires its KOOL REACHFORKS® to be of the highest quality and we can only guarantee this by complying with all applicable international standards.



## Product page

<https://meijer-handling-solutions.com/products/attachments/mast-height-extensions/>



### ISO 9001-2008

Model for quality assurance in design/development, production, installation and servicing.



### ISO 4406

Hydraulic fluid power - Fluids Method for coding level of contaminations by solid particles.



### ISO 3834-2

Quality requirements for welding.  
Fusion welding of metallic materials.



### ISO 2330

Manufacturing, testing, and marking requirements for solid-section fork arms, for quantity production and with all types of mounting.



### CE

European Machinery Directives  
2006/42/EC

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