

## Forklift Attachment

Forklift Attachments Wisconsin - Many different jobs would be impossible without the help of forklift attachments. Forklift attachments make many jobs safer, easier and quicker to complete. Besides regular forklift training, operators also need to undergo proper training for every attachment they will be using. Many hydraulic and non-hydraulic forklift attachments are available. They offer numerous benefits by decreasing man-power, employee accidents, fuel consumption, damage to stock and time. Equipment Considerations Forklift attachments can be switched out to replace existing attachments or may be used on machines that don't currently have one. Various considerations need to be taken prior to adding or replacing any forklift attachment. These considerations include the kind of forklift, the machine's capacity, the number of hydraulic functions required to power the attachment's and the type of carriage. Not considering these issues will drastically increase the safety risks associated with operating the machine and its attachments. This can increase risks relating to operator safety, forklift damage, stock damage and more. Extra safety factors must be considered which will be discussed in more detail. Forklift Rating and Re-Rating Manufacturers give forklifts a lift capacity rating that needs to be considered and adjusted when adding or changing forklift attachments. Manufacturers of forklift attachments usually offer calculators available online to estimate the safe lifting capacity when using a particular attachment. It is important to note that only the forklift manufacturer can provide accurate lifting capacities. The first step before installing any attachment is to get in touch with the authorized local forklift dealer to request that that forklift brand is re-rated accordingly with the attachment. Once the forklift manufacturer has re-rated the machine, it will ideally have a new specification plate that is factory authorized. The newly upgraded specification plate will replace the original plate and needs to be installed showing the new forklift rating. Equipment Upgrades When dealing with forklift attachments it is important to note that a forklift's hydraulic function is made up of a valve on the forklift with a lever located close to the operator which provides two passages of pressurized hydraulic oil to power the attachment features. Hydraulic forklift attachments typically offer numerous features compared to the number of valves on the forklift. Not every forklift attachment is hydraulic. When this happens, the forklift needs to have one or more valves added. There are numerous ways a valve can be added. The manufacturers of forklifts create accessories to simplify hose and valve routing. However, the parts and labor to install these can be so expensive as to make this option impractical. Alternative methods include adding a solenoid valve in conjunction with a hose or cable reel that diverts oil flow from an existing function. The main issue is that the cable reels and hose may block the view of the operator and these items can be damaged. Kits are available that rely on a solenoid valve and certain hoses to transform the reinforced braid to additionally function as an electrical conduit. These hoses are designed to replace existing ones and stay free from being damaged. The operator can enjoy a clear view with this option. Safety Considerations Before using any type of forklift attachment, adequate training must be fulfilled. The operator needs to be able to remove, fit and operate the attachment. Before using any forklift attachment, two safety issues need consideration. Firstly, it is important to note that any kind of forklift attachment will reduce the machine's nominal load rating. The nominal load rating is determined with forks and a stock fork carriage. It is important to note that the real load rating may be significantly lower. Second, the center of gravity will be affected by the use of any forklift attachment. The forklift's stability will be reduced and this needs to be computed for safety. Because the weight of the attachment will be placed in front of the forklift's fulcrum point, it is necessary to drive the forklift as though it is partially loaded, even prior to picking up a load. Thus, when using any attachment, an operator should travel at a slow speed and make turns slowly and gently. Every attachment should be listed on the forklift capacity data plate. Certain safety checks need to be done before using any kind of attachment. The forklift attachment must be permitted on the forklift's data plate, locked properly, correctly attached, appropriate for the particular load and appropriate for the type of forklift being used. List of Common

**Forklift Attachments** A list of the most common attachments and their general uses are set out below. There are numerous forklift attachments and this list will cover the most popular. The variety of attachments can drastically increase efficiency for many jobs.

**SIDESHIFTER:** The sideshifter enables the forklift to move laterally for easier load placement without having to reposition the entire machine.

**FORK POSITIONERS:** The fork positioners adjust for different loads by moving the forks together or apart in relation to each other.

**DIMENSIONING DEVICES:** Provide dimensions for the cargo allowing for more efficient use of warehouse and truck trailer space and often used in conjunction with billing systems based on volume.

**ROTATOR:** A rotator helps to straighten tilted skids and handle custom load requirements and fast unloading. Numerous attachments have a rotator feature.

**ROLL AND BARREL CLAMP:** The roll and barrel clamp simplifies grasping rounded loads such as barrels. It has numerous pressure settings for handling fragile items with less damage potential. This attachment often has a rotate function to change the load from a vertical to a horizontal position.

**CARTON AND MULTIPURPOSE CLAMP:** The carton and multipurpose clamp is for grasping loads with a squared shape. It also features pressure settings to handle bales, boxes and cartons.

**POLE ATTACHMENTS:** Pole attachments are long metal poles in place of the forks. They are useful for picking up linoleum and rolled up carpet or similar items.

**SLIP SHEETER OR PUSH-PULL:** Slip sheeter or push-pull attachment lets the operator move slip sheets with a clamping option instead of pallets. It can pull the slip sheet onto thin and wide metal forks to facilitate pushing or loading. The attachment variations include "Save," where the slip sheet is removed to be used again or "Standard."

**DRUM HANDLER:** Allows for grasping drums, either with a spring-loaded jaw to grip the top lip of a drum, or with arms that encircle the drum, for transport.

**DRUM AND STORAGE BIN TIPPER:** The drum and storage bin tipper is designed for easier transport of liquid items or loose materials into bigger containers.

**MAN BASKET:** The man basket is a lift platform to allow workers to complete jobs with brackets and railings and safety harnesses.

**TELESCOPIC FORKS:** The telescopic forks are used in locations with a two pallet stacking design where one shelf is placed right behind another with no aisle between them.

**SCALES:** Scales are helpful for allowing operators to transport pallets while weighing them. This stops the need for interrupting work with regular travel to the scales. It can be used in legal-for-trade weights for operations that bill by how much items weigh.

**SINGLE-DOUBLE FORKS:** Allow movement of a single pallet or platform or two pallets side by side. With the correct attachment/s a single forklift can be used for multiple specialist materials handling tasks alongside normal lifting tasks, thus reducing the need for owning a specialist unit alongside a normal unit and the larger running and maintenance costs associated with multiple units.

**SNOW PLOW:** Snow plows are used to remove snow and redistribute it; however, this attachment can be used with other loose kinds of material.

**SKIPS:** Skips facilitate fast and safe removal of waste to the proper waste or skip compactor. Skips are either a bottom-emptying model or a roll-forward type.

**BOOMS AND JIBS:** Booms and jibs allow forklifts extended reach. They are available to transport deep or highly stacked loads, suspended loads and more. These attachments can be low profile, precision lifting or reach over models to facilitate extended lengths.