

Forklift Attachment

Forklift Attachments Santa Maria - Without forklift attachments, many jobs would be difficult, if not impossible. There are numerous forklift attachments that make jobs faster and safer to complete. In addition to general forklift training, operators must be properly training for each attachment they intent to use. There are many non-hydraulic attachments and hydraulic attachments available for forklift attachments. They provide many benefits including decreasing fuel consumption, time, man-power, damage to stock and employee accidents. Equipment Considerations Forklift attachments can replace existing attachments or may be added to a machine that doesn't already have one. There are many equipment factors to consider prior to adding or replacing any forklift attachments. Considerations include the carriage type, the forklift model, the capacity of the forklift and the number of hydraulic functions used to power the features of the attachment. Failing to take these aforementioned factors into consideration can create extra safety hazards and risks for the operator, the forklift, its' attachments and the stock. Further safety factors must also be taken into consideration, which will be discussed in greater detail below. Forklift Rating and Re-Rating Forklifts are given lift capacity ratings by the manufacturer which will need to be adjusted if adding or changing a forklift attachment. There are calculators available online from forklift attachment manufacturers to estimate each attachments particular lifting capacity. However, only the forklift manufacturer can provide accurate lifting capacities. Prior to installing any attachment, it is important to contact the local authorized dealer of the forklift brand being used and request that they re-rate the forklift in accordance with the attachment being considered for use. After the manufacturer of the forklift has re-rated the forklift, it should have a new factory authorized specification plate. The newly upgraded specification plate will replace the original plate and needs to be installed showing the new forklift rating. Equipment Upgrades It is vital to note when working with forklift attachments the equipment's hydraulic function consists of a forklift valve that has a lever located near the operator which creates two areas for pressurized hydraulic passages for oil. Note that not every attachment is hydraulic; however, the hydraulic attachments provide more features compared to the number of valves the forklift offers. In these instances, one or more valves need to be added. There are several methods of adding a valve. Forklift manufacturers make accessories for valve and hose 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. Special hoses and a solenoid valve kit an be used to create an electrical conduit out of the reinforced braid. Because these hoses replace the existing hoses housed in the forklift, the hoses are safe from damage while keeping the operator's field of vision clear. Safety Considerations Proper training must be obtained prior to fitting any forklift attachment. The operator needs to be able to remove, fit and operate the attachment. Two important safety factors must be considered before the use of any forklift attachment. 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 computed with a stock fork carriage and forks. However, the actual load rating may be substantially lower. Secondly, the forklift's center of gravity will be affected when any forklift attachment is added. The forklift's stability will be reduced and this needs to be computed for safety. Due to the attachment weight being situated in front of the fulcrum point, the forklift needs to be driven as though it is partially loaded even when it is empty. It is essential that operators travel slowly and make gentle turns when using any kind of forklift attachment. Check the forklift's capacity to ensure that every attachment is listed on the data plate. To maintain safety, special checks need to be completed before using any forklift attachment. The forklift attachment needs to be the right one for the type of forklift being used, appropriate for the load at hand, correctly attached, locked in place and permitted on the data plate of the forklift. List of Common Forklift Attachments A list of the most common attachments

and their general uses are set out below. There are many more attachments available than are listed here but this will cover the most widely-used. The variety of attachments can drastically increase efficiency for many jobs.

SIDESHIFTER: The operator can manipulate the forks laterally with a sideshifter. This allows for easier load placement without having to move the entire forklift.

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

DIMENSIONING DEVICES: Dimensioning devices offer cargo dimensions to create more warehouse efficiency and better truck and trailer space. This is commonly used with billing systems that record volume.

ROTATOR: A rotator helps to straighten tilted skids and handle custom load requirements and fast unloading. There is a rotator feature on numerous attachments.

ROLL AND BARREL CLAMP: The roll and barrel clamp allows the forklift to grasp rounded loads including barrels. It is outfitted with different pressure settings to facilitate fragile options and often has a rotate function to simplify horizontal and vertical positioning.

CARTON AND MULTIPURPOSE CLAMP: The carton and multipurpose clamp has pressure settings and is used for handling more squared shaped loads. It easily masters boxes, bales 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: The drum handler is specifically designed to transport drums. It might feature arms to hold the drum or be a spring-loaded model to grip the top lid.

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 lift platform known as a man basket is designed to transport workers vertically. It is outfitted with brackets and railings to anchor safety harnesses.

TELESCOPIC FORKS: Telescopic forks are used in warehouses that rely on stacking two pallets in the event one shelf is located behind another shelf with no aisle in between.

SCALES: Scales allow forklift operators to weigh their pallets during transport. This increases efficiency by providing simultaneous data and not making the operator travel back and forth to scales. This attachment can be used for operators who bill by weight in legal-for-trade applications.

SINGLE-DOUBLE FORKS: Single-double forks facilitate movement of a single platform or pallet or two side-by-side pallets. This is useful for transporting specialty items with the right attachments employed. It can be used with normal lifting tasks and stops the need for owning two separate machines. This greatly reduces the cost of maintenance and operation that is used with multiple forklifts.

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: Allows safe and speedy removal of waste to the appropriate skip or waste compactor. Skips are available in a roll-forward type and a bottom-emptying 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.