

Forklift Attachment

Forklift Attachments Temecula - Many different jobs would be impossible without the help of forklift attachments. Forklift attachments make many jobs safer, easier and quicker to complete. Forklift operators require training for each attachment they will be using as well as their general forklift training. Forklift attachments come in a wide variety of hydraulic and non-hydraulic attachments. The benefits of utilizing a forklift attachment include decreasing: 1. Employee accidents; 2. Damage to stock; 3. Manpower; 4. Time; and 5. Fuel consumption. Equipment Considerations A forklift attachment can replace an existing forklift attachment or can be added to a forklift that does not already 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. 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. There are further safety issues to take into consideration which can be discussed in more 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. Online calculators are available from manufacturers of forklift attachment's to provide estimates on every attachments' 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. 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 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. 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 several methods of adding a valve. There are many ways to add a forklift valve. Equipment manufacturers make forklift accessories for hose routing and valve placement. 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. Unfortunately, hose and cable reels can sometimes block the operator's view and can be easily damaged. There are kits available that use a solenoid valve and specialty hoses that allow for the reinforced braid to double as an electrical conduit. 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 determined with forks and a stock fork carriage. It is important to note that the real load rating may be significantly lower. Using any type of forklift attachment will affect the center of gravity on the machine. This will reduce the forklift's stability. 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. 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** Discover a list of common forklift attachments and how they are utilized below. There are numerous forklift attachments and this list will cover the most popular. As you will see, the large variety of attachments available have the capacity to greatly increase the efficiency of many jobs.

SIDESHIFTER: Allows the operator to move the forks laterally, allowing for easier placement of a load without the need to reposition the entire forklift.

FORK POSITIONERS: Fork positioners allow the forks to travel apart or together with each other to adjust for different load sizes.

DIMENSIONING DEVICES: Dimensioning devices feature cargo dimensions useful for creating better efficiency in trucks, trailers and warehouses. This technology is often used alongside billing systems that monitor 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: Allows for grasping of load with a rounded shape, such as rolled material and barrels, often with various pressure setting to avoid damage to more fragile materials. These attachments sometimes also have a rotate function to assist with, for example, rotating an item from a horizontal to a vertical position.

CARTON AND MULTIPURPOSE CLAMP: Allows for grasping a load with a more squared shape, often with pressure settings. Products like cartons, boxes and bales can be moved with this type of attachment.

POLE ATTACHMENTS: Long, metal pole used in place of forks to lift rolled items such as carpet or linoleum.

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 built for holding drums. It may have arms that encompass the drum for transporting or it may feature a spring-loaded jaw to grip the drum’s top lip.

DRUM AND STORAGE BIN TIPPER: The drum and storage bin tipper helps to transfer loose or liquid items into other containers.

MAN BASKET: Lift platform meant for lifting workers and complete with railings and brackets for 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: Enables operators to simultaneously weigh and transport pallets, eliminating the need to interrupt transport to travel to scales, and can be obtained in legal-for-trade weights for operations that bill by weight.

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: Originally designed for snow removal, snow plow attachments can be used to move other loose items.

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: Allow for extended reach of a forklift to transport suspended loads or loads that are stacked high or deep. They are available in different setups such as reach over and precision lifting or low profile fixed and extendable lengths.