

Forklift Attachment

Forklift Attachments Santa Clarita - Forklift attachments make a variety of jobs possible. Forklift attachments make many jobs safer, easier and quicker to complete. In addition to general forklift training, operators must be properly training for each attachment they intent to use. 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 replace existing attachments or may be added to a machine that doesn't already have one. Several equipment-related factors must be considered before any forklift attachment is replaced or added. These considerations include: 1. The forklift type; 2. The forklift's capacity; 3. The carriage type; and 4. The number of hydraulic functions. 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. 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. Manufacturers of forklift attachments usually offer calculators available online to estimate the safe lifting capacity when using a particular attachment. 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. There will be a new specification plate that is factory authorized once the forklift manufacturer has re-rated the machine. This new specification plate will replace the original plate and should be installed showing the new rating for the forklift. Equipment Upgrades Forklift attachments rely on the machine's hydraulic function and are made up of a forklift valve that has a lever situated close to the operator. This creates two passages of pressurized hydraulic oil for powering the attachment features. Note that not every attachment is hydraulic; however, the hydraulic attachments provide more features compared to the number of valves the forklift offers. In this circumstance, it is common to add one or more valves as needed. There are several methods of adding a valve. Forklift manufacturers make accessories for valve and hose routing. There are plenty of labor and parts involved which can be costly enough to make this an impractical solution. Another possibility is to install a cable reel, solenoid valve and hose to divert oil from an alternate location. However, the operators' view may be compromised due to the cable reels and hose installation. These parts also may be easily damaged by their location. Special hoses and a solenoid valve kit an be used to create an electrical conduit out of the reinforced braid. 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. There are 2 vital safety factors to think about before operating any type of forklift attachment. First, any attachment on a forklift will reduce its nominal load rating, as mentioned above. 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. Secondly, the forklift's center of gravity will be affected when any forklift attachment is added. Obviously, the stability of the forklift is reduced. Since the attachment's weight is prominent in front of the fulcrum point on the forklift, the operator needs to drive the machine as though it is partially loaded even before it is carrying a load. It is essential that operators travel slowly and make gentle turns when using any kind of forklift attachment. As noted above, each attachment should be listed on the data plate of the forklift's capacity. 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 Discover a list of common forklift attachments and how they are utilized

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 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. There is a rotator feature on numerous attachments. **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:** 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:** 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 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:** Allows for quick transfer of loose or liquid contents in large 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:** 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:** 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:** Originally designed for snow removal, snow plow attachments can be used to move other loose items. **SKIPS:** Skips enable quick and safe waste removal to a skip or waste compactor. They may feature a bottom-emptying design or be a roll-forward model. **BOOMS AND JIBS:** Jibs and boom offer extended forklift reach for transporting loads that are stacked deep or high or that are suspended. There are reach-over, low profile, precision lifting and extendable length options.