

Forklift Attachment

Forklift Attachments Sunnyvale - Many different jobs would be impossible without the help of forklift attachments. The wide range of forklift attachments make most jobs not only possible but also safer and quicker. Forklift operators require training for each attachment they will be using as well as their general forklift training. 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 A forklift attachment can replace an existing forklift attachment or can be added to a forklift that does not 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. Failure to properly consider these factors will increase the safety risk associated with operation of a forklift and its attachments and increase the risk for damage to the forklift, the attachment and surrounding area, including stock. Extra safety factors must be considered which will be discussed in more detail. Forklift Rating and Re-Rating These machines are provided with lift capacity ratings from the manufacturer that need adjusting when changing or adding any forklift attachments. 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. Once the forklift manufacturer has re-rated the machine, it will ideally have a new specification plate that is factory authorized. 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. While not all forklift attachments are hydraulic, hydraulic attachments often include more features than the forklift has valves. When this happens, the forklift needs to have one or more valves added. There are numerous ways a valve can be added. 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. Unfortunately, hose and cable reels can sometimes block the operator's view and can be easily damaged. Special hoses and a solenoid valve kit can 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 Prior to fitting any type of forklift attachment, proper training must be obtained. Operators need to be competent with removing, operating and fitting the attachment before using it. Before using any forklift attachment, two safety issues need consideration. The nominal load rating will be reduced on the forklift once any attachment is applied. 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. 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. 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 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. Forklift attachments are designed to increase job efficiency for many applications. **SIDESHIFTER:** The sideshifter enables the forklift to move laterally for easier load placement without having to reposition the entire machine. **FORK POSITIONERS:** Fork positioners allow the forks to travel apart or together with each other to adjust for different load sizes. **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 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:** The slip sheeter or push-pull allows the operator to move sheets by clamping onto slip sheets. This is an option instead of relying on pallets. The slip sheet can be moved onto thin and wide metal forks to simplify loading or unloading by pushing the slip sheet. The “Save” variation allows the slip sheet to be taken off for reuse later. The “Standard,” attachment variation is another option. **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:** 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:** The single-double forks can be used alongside regular lifting tasks. It allows a single pallet or platform to move or two pallets beside each other. Additional attachments can be used and this replaces the need for having a separate specialty unit; thus reducing maintenance and operating costs associated with more than one machine. **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 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:** 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.