

Forklift Attachment

Forklift Attachments Glendale - Many different jobs would be impossible without the help of forklift attachments. There are numerous forklift attachments that make jobs faster and safer to complete. Forklift operators require training for each attachment they will be using as well as their general forklift training. 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. 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. 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. 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. Before installing any kind of attachment, it is essential to contact the local authorized forklift dealer of the particular forklift brand to request that they rate the machine accordingly with the attachment being used. 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 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. 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. Due to the cost of labor and parts required, this process may not be practical. Another possibility is to install a cable reel, solenoid valve and hose to divert oil from an alternate location. 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. Since these hoses replace existing forklift hoses, they remain safe from external damage while maintaining clear vision for the operator. 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. Before using any forklift attachment, two safety issues need consideration. First, any attachment on a forklift will reduce its nominal load rating, as mentioned above. Forks and a stock fork carriage compute the nominal load rating; although, the precise load rating may be much lower. Secondly, the forklift's center of gravity will be affected when any forklift attachment is added. This will reduce the forklift's stability. 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. Operators need to travel gently and slowly every time they use an attachment and take extra care while turning. Check the forklift's capacity to ensure that every attachment is listed on the data plate. Specific safety checks must be made prior to using each forklift attachment. The attachment must be: 1. Appropriate for the specific forklift being used; 2. Appropriate for the specific load; 3. Attached correctly; 4. Properly locked; and 5. Permitted on the forklift's data plate. 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. As you will see, the large variety of attachments available have the capacity to greatly increase the efficiency of 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:** Assists in righting skids that have tilted, handling custom load requirements and quick 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:** 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 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:** 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 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.