



Forklift Attachment

Forklift Attachments South Carolina - Forklift attachments make a variety of jobs possible. 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** Forklift attachments can replace existing attachments or may be added to a machine that doesn't 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. 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 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 attachment's particular lifting capacity. Accurate lifting capacities are only available from the forklift manufacturers. 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. The upgraded specification plate replaces the original plate and needs to be installed with the new forklift rating showing.

Equipment Upgrades When dealing with forklift attachments it is important to note that a forklift's hydraulic function is made up of a valve on the forklift with a lever located close to the operator which provides two passages of pressurized hydraulic oil to power 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 numerous ways a valve can be added. The manufacturers of forklifts create accessories to simplify hose and valve routing. However, the parts and labor to install these can be so expensive as to make this option impractical. 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. 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 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. Two important safety factors must be considered before the use of any forklift attachment. 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. Second, the center of gravity will be affected by the use of any forklift attachment. 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. 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. 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 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: 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: Assists in righting skids that have tilted, handling custom load requirements and quick unloading. Numerous attachments have a rotator feature.

ROLL AND BARREL CLAMP: The roll and barrel clamp simplifies grasping rounded loads such as barrels. It has numerous pressure settings for handling fragile items with less damage potential. This attachment often has a rotate function to change the load from a vertical to a horizontal position.

CARTON AND MULTIPURPOSE CLAMP: The carton and multipurpose clamp is for grasping loads with a squared shape. It also features pressure settings to handle bales, boxes 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: Allows operator to transport slip sheets by clamping onto slip sheets, as opposed to pallets, and either pulling the slip sheet onto wide and thin metal forks for loading or pushing the slip sheet to unload. Some variations of the attachment are Save, where the slip sheet is removed for reuse, or Standard.

DRUM HANDLER: Allows for grasping drums, either with a spring-loaded jaw to grip the top lip of a drum, or with arms that encircle the drum, for transport.

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

MAN BASKET: The man basket is a lift platform to allow workers to complete jobs with brackets and railings and 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: Originally designed for snow removal, snow plow attachments can be used to move other loose items.

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: 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.