

Forklift Attachment

Forklift Attachments Anaheim - 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 Forklift attachments can be switched out to replace existing attachments or may be used on machines that don't currently 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. 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. 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. Manufacturers of forklift attachments usually offer calculators available online to estimate the safe lifting capacity when using a particular attachment. It is important to note that 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. After the manufacturer of the forklift has re-rated the forklift, it should have a new factory authorized specification plate. The upgraded specification plate replaces the original plate and needs to be installed with the new forklift rating showing. 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. 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. 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. There are 2 vital safety factors to think about before operating any type of forklift attachment. 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. It is essential that operators travel slowly and make gentle turns when using any kind of forklift attachment. Every attachment should be listed on the forklift capacity 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 Below is a list of

popular forklift attachments and their general uses. This is just a sample list of some of the most popular forklift attachments. Forklift attachments are designed to increase job efficiency for many applications.

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: Moves the forks together or apart in relation to one another to adjust for various load types.

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. Many attachments include 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: 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 placed where the forks would normally be and are used for transporting carpet and rolled up linoleum.

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: 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 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: Allows operation in a warehouse using two pallet stacking where one shelf is placed directly behind another with no aisle between the two.

SCALES: Scales allow forklift operators to weigh their pallets during transport. This increases efficiency by providing simultaneous data and not making the operator travel back and forth to scales. This attachment can be used for operators who bill by weight in legal-for-trade applications.

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: Designed for snow removal and distribution but can also be used to move other types of loose material.

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.