

Forklift Attachment

Forklift Attachments New Brunswick - 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. In addition to general forklift training, operators must be properly training for each attachment they intent to use. 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. 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. 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. There are calculators available online from forklift attachment manufacturers to estimate each attachments 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. Once the forklift manufacturer has re-rated the machine, it will ideally have a new specification plate that is factory authorized. 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. While not all forklift attachments are hydraulic, hydraulic attachments often include more features than the forklift has valves. In these instances, one or more valves need to be added. There are numerous ways a valve can be added. There are many ways to add a forklift valve. Equipment manufacturers make forklift accessories for hose routing and valve placement. 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. Unfortunately, hose and cable reels can sometimes block the operator's view and can be easily damaged. Special hoses and a solenoid valve kit an 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 Proper training must be obtained prior to fitting any forklift attachment. An operator must be competent in the fitting, operating and removal of 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 computed with a stock fork carriage and forks. However, the actual load rating may be substantially lower. Using any type of forklift attachment will affect the center of gravity on the machine. The forklift's stability will be reduced and this needs to be computed for safety. 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. Every attachment should be listed on the forklift capacity data plate. 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 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: Moves the forks together or apart in relation to one another to adjust for various load types.

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: Rotators help to right tilted skids and are useful for fast unloading and tackling custom load requirements. 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 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 built for holding drums. It may have arms that encompass the drum for transporting or it may feature a spring-loaded jaw to grip the drum's top lip.

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: The man basket is a lift platform to allow workers to complete jobs with brackets and railings and safety harnesses.

TELESCOPIC FORKS: The telescopic forks are used in locations with a two pallet stacking design where one shelf is placed right behind another with no aisle between them.

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: 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: 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.