

Forklift Attachment

Forklift Attachments Mexico - Without forklift attachments, many jobs would be difficult, if not impossible. There are numerous forklift attachments that make jobs faster and safer to complete. 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 be switched out to replace existing attachments or may be used on machines that don't currently have one. Several equipment-related factors must be considered before any forklift attachment is replaced or added. These considerations include: 1. The forklift type; 2. The forklift's capacity; 3. The carriage type; and 4. The number of hydraulic functions. 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. There are further safety issues to take into consideration which can be discussed in more detail below. Forklift Rating and Re-Rating Manufacturers give forklifts a lift capacity rating that needs to be considered and adjusted when adding or changing 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. The first step before installing any attachment is to get in touch with the authorized local forklift dealer to request that that forklift brand is re-rated accordingly with the attachment. 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 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. When this happens, the forklift needs to have one or more valves added. There are several methods of adding a valve. There are many ways to add a forklift valve. Equipment manufacturers make forklift accessories for hose routing and valve placement. 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. 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. 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. An operator must be competent in the fitting, operating and removal of the attachment. Two important safety factors must be considered before the use of any forklift attachment. Firstly, it is important to note that any kind of forklift attachment will reduce the machine's nominal load rating. Forks and a stock fork carriage compute the nominal load rating; although, the precise load rating may be much lower. Using any type of forklift attachment will affect the center of gravity on the machine. Obviously, the stability of the forklift is reduced. 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. It is essential that operators travel slowly and make gentle turns when using any kind of forklift attachment. As noted above, each attachment should be listed on the data plate of the forklift's capacity. 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 A list of the most common attachments and their general uses are set out below. This is just a sample list of some of

the most popular forklift attachments. As you will see, the large variety of attachments available have the capacity to greatly increase the efficiency of many jobs.

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. 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 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 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: 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 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: 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: 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.