

Forklift Attachment

Forklift Attachments Ventura - Forklift attachments make a variety of jobs possible. The wide range of forklift attachments make most jobs not only possible but also safer and quicker. Besides regular forklift training, operators also need to undergo proper training for every attachment they will be using. 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 A forklift attachment can replace an existing forklift attachment or can be added to a forklift that does not 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 Manufacturers give forklifts a lift capacity rating that needs to be considered and adjusted when adding or changing forklift attachments. Online calculators are available from manufacturers of forklift attachment's to provide estimates on every attachments' lifting capacity. It is important to note that only the forklift manufacturer can provide accurate lifting capacities. 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. 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 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. 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. There are many ways to add a forklift valve. Equipment manufacturers make forklift accessories for hose routing and valve placement. There are plenty of labor and parts involved which can be costly enough to make this an impractical solution. Other options include adding a cable reel and a hose in conjunction with a solenoid valve to divert oil from an existing 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 can 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 Prior to fitting any type of forklift attachment, proper training must be obtained. 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. The nominal load rating will be reduced on the forklift once any attachment is applied. The nominal load rating is computed with a stock fork carriage and forks. However, the actual load rating may be substantially lower. Secondly, the forklift's center of gravity will be affected when any forklift attachment is added. Obviously, the stability of the forklift is reduced. 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. Thus, when using any attachment, an operator should travel at a slow speed and make turns slowly and gently. Check the forklift's capacity to ensure that every attachment is listed on the 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** Discover a list of common forklift attachments and how they are utilized 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: Allows the operator to move the forks laterally, allowing for easier placement of a load without the need to reposition 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: A rotator helps to straighten tilted skids and handle custom load requirements and fast 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: 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: The slip sheeter or push-pull allows the operator to move sheets by clamping onto slip sheets. This is an option instead of relying on pallets. The slip sheet can be moved onto thin and wide metal forks to simplify loading or unloading by pushing the slip sheet. The “Save” variation allows the slip sheet to be taken off for reuse later. The “Standard,” attachment variation is another option.

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: Allows for quick transfer of loose or liquid contents in large 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: 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 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: 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.