

Forklift Attachment

Forklift Attachments Ontario Canada - Forklift attachments make a variety of jobs possible. There are numerous forklift attachments that make jobs faster and safer to complete. 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 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. 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. Further safety factors must also be taken into consideration, which will be discussed in greater 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. 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. Once the forklift manufacturer has re-rated the machine, it will ideally have a new specification plate that is factory authorized. This new specification plate will replace the original plate and should be installed showing the new rating for the forklift. 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. In these instances, one or more valves need to be added. There are several methods of adding a valve. Forklift manufacturers make accessories for valve and hose routing. There are plenty of labor and parts involved which can be costly enough to make this an impractical solution. Another possibility is to install a cable reel, solenoid valve and hose to divert oil from an alternate location. However, the operators' view may be compromised due to the cable reels and hose installation. These parts also may be easily damaged by their location. Kits are available that rely on a solenoid valve and certain hoses to transform the reinforced braid to additionally function as an electrical conduit. 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. The operator needs to be able to remove, fit and operate 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. 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. Operators need to travel gently and slowly every time they use an attachment and take extra care while turning. Check the forklift's capacity to ensure that every attachment is listed on the 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. 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: 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: 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 has pressure settings and is used for handling more squared shaped loads. It easily masters boxes, bales 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: 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: 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 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: Single-double forks facilitate movement of a single platform or pallet or two side-by-side pallets. This is useful for transporting specialty items with the right attachments employed. It can be used with normal lifting tasks and stops the need for owning two separate machines. This greatly reduces the cost of maintenance and operation that is used with multiple forklifts. 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: Jibs and boom offer extended forklift reach for transporting loads that are stacked deep or high or that are suspended. There are reach-over, low profile, precision lifting and extendable length options.