

## Cushion Tire Forklift

Used Cushion Tire Forklift Montana - Most forklifts are classified by the kind of work they do and some are classified by their type of tires. There are two main kinds of tire classification for forklifts, pneumatic and cushion tire. When considering the benefits and drawbacks of cushion tires in forklift uses, it is important to discuss the benefits and drawbacks of the other available forklift tire option: the pneumatic tire. The drawbacks and benefits of cushion tire models can be only compared when the drawbacks and benefits of the pneumatic tires are also discussed. Forklift Tire Classifications Cushion Tires Cushion tires feature solid rubber that is either smooth or treaded and fixed or positioned around a baseband or metal ring. These kinds of forklift tires are cheaper to make and easier to maintain. Cushion tires have been designed to work on smooth surfaces such as interior loading docks and warehouse floors. These tires are designed to maneuver well within tight locations, due to their specific turning radius. Forklifts that use cushion tires can be lower to the ground compared to pneumatic tire models and the increase in vertical clearance is welcome for many applications. However, cushion tires do not provide as much traction as pneumatic tires. This is especially true for outdoor areas and wet surfaces. There are many jobs suitable for cushion tire forklifts such as unloading shipments, transporting items to and from the loading areas, order picking, unloading inventory and more. Pneumatic Tires Pneumatic tires, on the other hand, are primarily designed to operate in rougher terrain, with uneven surfaces. These tires have two categorizations: The difference between these two pneumatic categories is that the first is made entirely of rubber, while the latter is a layered rubber, filled with air. For locations with uneven surfaces and unpaved ground, pneumatic tire forklifts are prime choices. Locations that have sharp debris or objects that could puncture a standard air pneumatic tires such as junkyards or lumber yards will benefit from solid resilient pneumatic forklift tires. Benefits of Cushion Tire Forklifts Forklifts that use cushion tires are a wise option for interior and exterior locations that feature smooth surfaces. The forklift designed for use with cushion tires, is intended to be used mostly indoors, with some limited outdoor use. Warehousing applications and manufacturing facilities often rely on cushion tire forklifts. Warehousing and narrow aisles and tight locations all rely on the benefits of cushion tire forklifts. Some benefits of using a cushion tire forklift over a pneumatic tire forklift are: 1) Maneuverability Since cushion tire forklifts do not need to house a larger internal combustion engine, they are more compact and easier to maneuver. 2) Lower Clearance Indoor forklift models that use cushion tires feature lower clearance compared to pneumatic tire models. This enables the machine to travel through doors and navigate obstacles such as sprinkler systems and lights much easier. 3) Durability Durability is a key feature with cushion tire forklift models as they are simple to maintain and offer zero to little risk of being punctured. 4) Quiet Cushion tire forklifts do not use an internal combustion engine and instead rely on a battery or fuel cell, making them significantly quieter than their propane or diesel cousins. 5) Environmentally Friendly Powered by electricity instead of relying on an internal combustion engine enables cushion tire forklifts to make zero dangerous emissions. Forklift Tire Choice The majority of forklift frames specify either a pneumatic tire or a cushion tire. Axles and tires are specific to a forklift frame and lifting capacity. Forklift manufacturers create models that safely operate with certain tires and wheels, typically pneumatic tires or cushion tires. Due to their special tire design, it is best to choose the forklift type that will suit the job in terms of forklift tire types. Workplace Applications Suitable Work Applications for Cushion Tires Cushion tire forklifts are popular for a variety of job sites. If most of the transporting, lifting loads and placement happens inside or with limited outdoor use on smooth surfaces, cushion tire forklifts are your best choice. Sitting closer to the ground, cushion tire forklifts have a tinier frame compared to pneumatic tire forklifts. Cushion tire models can fit through doorways easier and avoid overhead obstacles. It is important to note that cushion tire forklifts showcase less ground clearance and the machine may get caught up on exterior obstacles if the ground is uneven. To combat this issue, the cushion tire forklift can be fitted with traction tires on the front.

Traction based tires will function in rough terrain environments that have wet surfaces, packed gravel and asphalt. However, it is still not recommended to drive on dirt or grass and it must be noted that the same type of tire must be used on the opposite sides, drive and steer axles. One of the top advantages of the cushion forklifts is their tight turning radius. This makes cushion tire forklifts ideal for warehouses and manufacturing facilities that have less space. Locations that rely on narrow aisles will benefit greatly from the smaller cushion tire forklifts and their tight turning capabilities. Pneumatic tire forklifts are more expensive and less available compared to cushion tire forklifts.

### Suitable Work Applications for Pneumatic Tire Forklifts

Since pneumatic tires contain air, these forklifts are better suited for exterior applications. Some interior locations may utilize pneumatic tire forklifts; however, they do not offer a small turning radius or the lower clearance and maneuverability that the cushion tires provide. Pneumatic tire models create harsh fumes with their internal combustion engines, making them unsuitable for interior locations. Pneumatic tire forklifts are longer and wider than cushion tire forklifts which is why they are primarily used outdoors. Of the two types of pneumatic tires, the solid pneumatic tire is more expensive than the air pneumatic tire. The solid pneumatic tire is comprised of solid rubber without any air inside, making this type more resilient against gouges or punctures. Outdoor areas including lumber yards and scrap yards that feature copious amounts of metal debris and nails often rely on solid pneumatic tires. Air-filled pneumatic tires work well on gravel and asphalt exterior surfaces. The main issue with air pneumatic tires is their ability to become gouged or punctured. Because of this, it is necessary to make sure the work area is free of any sharp objects before using forklift fitted with air pneumatic tires at that site. Air tires are also known to give a bouncy ride, contributing to operator discomfort and fatigue. Due to this, numerous air pneumatic forklift users fill foam in their tires. Much less bouncy than air-filled pneumatic tires, the solid pneumatic forklift tires provide the operator with a smoother ride. Flat tires can be filled with foam to keep them more durable and prevent flats. Filling an air pneumatic tire with foam usually takes approximately 3 days to fill and cure.

### Difference in Load Capacity

Both cushion tire and pneumatic tire forklifts offer similar load capacities. Some electric powered cushion tire forklifts do have lift limits. Pneumatic tire and cushion tire forklifts are available in practically any load capacity. Load capacities come in a wide range - from less than 2,000 pounds to more than 200,000 pounds.