

Rough Terrain Forklift

Used Rough Terrain Forklift Thousand Oaks - Broadly defined, a forklift truck uses two forks to load, transport and unload material. Forklifts fall into two main categories, industrial forklifts and rough terrain forklifts. Industrial forklifts are mainly used in loading docks and warehouse applications with smooth and level surfaces. Rough terrain forklifts are better suited for rocky environments and uneven surfaces. Commonly found at exterior construction sites, rough terrain forklifts have the tires, size and weight capacity to handle heavy loads. The tire type is one of the key differences between rough terrain and industrial forklift units. Common road tires, cushion tires are the main kind found on industrial forklifts. Rough terrain models rely on pneumatic tires, a kind of tractor tire known for better floatation and traction abilities. Internal combustion engines can power industrial forklifts; however, more often they rely on an electrical source such as a fuel cell or better. Rough terrain models typically rely on an internal combustion engine. Types of Class 7 Rough Terrain Forklift Trucks The three types of Class 7 Rough Terrain Forklift Trucks include the rotating telehandler forklifts, telehandler forklifts and straight mast forklifts. Regardless of its type, all rough terrain forklift trucks are designed to handle, as their name suggests, natural rough terrain and disturbed rough terrain typical of construction and military sites. The rough terrain models travel and perform well in difficult locations. Additional consideration needs to be given for rough terrain forklift options while raising loads in difficult conditions in order to stay safe from tipping over. The machine needs to remain in a stable position prior to lowering, lifting or moving any items. Stability of ground and knowledge of proper lifting technique is essential for safe operation of rough terrain forklifts. Straight Mast Forklifts Designed to facilitate safe transport along difficult terrain such as demolition sites and construction locations, straight mast forklifts can complete the job safely and efficiently. Pneumatic cushion tires allow this forklift better maneuverability and accessibility around difficult terrain. These allow the forklift truck to easily travel over rough terrain on the worksite. Most straight mast forklift units have 2WD or 4WD configurations. Even though these machines are better utilized in exterior locations, many straight mast forklifts operate with propane or diesel, enabling them to be used indoors for short timeframes. Both standard and straight mast forklifts offer similar lifting capacities weighing from 5000 to 36,000 pounds, depending on the model. Telehandler or Telescopic Handler Forklifts Telescopic handler forklifts or telehandlers feature a telescoping boom; hence their name. This specially designed boom allows the forklift truck to pick up loads and place them at differing heights in front of the unit. The operator can achieve enhanced flexibility with better reach during load placement. Featuring two wheels found at the front and two wheels at the rear, the standard telehandler is a long and low machine. Mounted at the back of the forklift, the telescopic boom is on a pivot that is located many feet above the forklift frame. The hydraulic fluid tank and fuel tank are mounted on the opposite side of the cab which is usually situated on the left side of the forklift. Within the frame itself, the transmission and engine are located along the center-line of the forklift. This popular design showcases a balanced forklift which is ideal for the machine's stability with lifting, moving and lowering items. Telehandler units offer significantly higher lifting heights compared to standard units. High-reach telehandlers can extend their full load capacity to 56 feet. The compact telehandlers can extend their full load capacity from 18 feet. The load capacities of these machines range from five thousand pounds to twelve thousand pounds. All-terrain forklifts often include all-wheel steering which allows for greater maneuverability. The power-shift transmission and steering features allow the operator to move the forklift into a safe and successful working proximity. More recently, Telehandler forklift models have included additional features that incorporate the latest in ergonomics. Operator comfort is enhanced via larger cabs and tilted steering. These ergonomic upgrades have been shown to lessen repetitive stress injuries and lessen operator fatigue. A single joystick is a common design for most telehandlers. The joystick is essential for controlling the boom functions and the hydraulics responsible for forward operation. Non-marking tires are a

feature that telehandler forklifts can benefit from by allowing these units to be utilized for maintenance on billboards and signs and on stadiums and buildings. Rotating Telehandler or Roto Telescopic Handler Forklifts Roto telescopic handler forklifts or rotating telehandlers have numerous items in common with the standard telehandler model. The rotating telehandler can lift excessive loads to extreme heights safely and efficiently. However, these forklifts have the added ability to rotate the forklift on a turntable. Rotating the forklift a complete three-hundred-and-sixty degrees creates a larger working location without the need of repositioning the forklift. With rotating telehandlers, one joystick handles the lift capacity and a second joystick is responsible for the rotation factor. Power-assist steering minimized slip differential on the rear axle for additional traction and four-wheel drive are some of the extra features offered on rotating telehandlers and standard telehandler models. Any machine with rotation capabilities will have additional safety measures to consider. Rotating telehandler rough terrain models come with standard stabilizers to establish more safety while rotating loads back and forth. There are some rotating telehandlers that are designed to move heavy weights without stabilizers to reduce the time it takes to reposition the forklift for work in other areas of the jobsite. Rotator telehandler units are typically smaller than standard telehandlers with their fixed-cab design. Understandably, rotator telehandler machines can handle smaller load capacities compared to their standard telehandler counterparts. Load capacities for rotating telehandlers usually range between 4,000 and 10,000 pounds, with lift heights ranging from 15 to 80 feet. Winch attachments can transform rotator telehandlers and standard models into a crane. These forklift attachments can save time and money by preventing a separate crane rental to be required. Advancements for Rough Terrain Forklifts Popular rough terrain forklift attachments include rotating fork carriages, booms, articulating booms and winches. More rough terrain forklift attachments will be unleashed onto the market in future years thanks to their ability to make the forklift more multi-purpose than ever before. Most of the proposed advancements will consist of included safety features within the rough terrain forklifts. The latest safety upgrades include automatic load restriction and other features. This system weighs a load automatically and then calculates the safe reach distance of the load while considering the extension and boom angle. An alarm will go off once the safe distance is reached. This alerts the operator that immediate adjustments need to be made to the boom angle, reach distance or load weight.