## Drive Axle Forklift

Drive Axle Forklift - The piece of equipment which is elastically connected to the framework of the vehicle with a lift mast is referred to as the lift truck drive axle. The lift mast connects to the drive axle and can be inclined, by at least one tilting cylinder, around the axial centerline of the drive axle. Forward bearing parts together with back bearing components of a torque bearing system are responsible for fastening the vehicle and the drive axle framework. The drive axle can be pivoted around a swiveling axis oriented transversely and horizontally in the vicinity of the back bearing parts. The lift mast could also be inclined relative to the drive axle. The tilting cylinder is affixed to the vehicle framework and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented almost parallel to a plane extending from the swiveling axis to the axial centerline.

Unit H45, H35 and H40 forklifts, that are produced by Linde AG in Aschaffenburg, Germany, have a connected lift mast tilt on the vehicle frame itself. The drive axle is elastically connected to the framework of the lift truck using numerous different bearings. The drive axle comprise tubular axle body along with extension arms connected to it and extend rearwards. This type of drive axle is elastically attached to the vehicle frame utilizing back bearing elements on the extension arms together with frontward bearing devices located on the axle body. There are two rear and two front bearing tools. Each one is separated in the transverse direction of the forklift from the other bearing device in its respective pair.

The braking and drive torques of the drive axle are sustained through the back bearing parts on the framework by the extension arms. The lift mast and the load produce the forces which are transmitted into the road or floor by the framework of the vehicle through the drive axle's anterior bearing components. It is essential to ensure the elements of the drive axle are installed in a firm enough manner in order to maintain immovability of the forklift truck. The bearing parts can reduce small bumps or road surface irregularities during travel to a limited extent and give a bit smoother function.