

Drive Axle Forklift

Forklift Drive Axle - A lift truck drive axle is actually a piece of equipment which is elastically affixed to a vehicle framework using a lift mast. The lift mast is fixed to the drive axle and can be inclined around the drive axle's axial centerline. This is accomplished by at least one tilting cylinder. Forward bearing parts along with back bearing elements of a torque bearing system are responsible for fastening the vehicle and the drive axle framework. The drive axle could be pivoted around a swiveling axis oriented transversely and horizontally in the vicinity of the back bearing components. The lift mast is also capable of being inclined relative to the drive axle. The tilting cylinder is connected to the vehicle frame and the lift mast in an articulated fashion. This allows the tilting cylinder to be oriented almost parallel to a plane extending from the axial centerline and to the swiveling axis.

Forklift units like H45, H35 and H40 that are produced in Aschaffenburg, Germany by Linde AG, have the lift mast tilt capably mounted on the vehicle frame. The drive axle is elastically affixed to the forklift framework using a multitude of bearing devices. The drive axle comprise tubular axle body along with extension arms affixed to it and extend rearwards. This kind of drive axle is elastically attached to the vehicle framework utilizing rear bearing parts on the extension arms along with frontward bearing tools located on the axle body. There are two rear and two front bearing devices. Each one is separated in the transverse direction of the forklift from the other bearing device in its respective pair.

The drive and braking torques of the drive axle on this model of lift truck are sustained utilizing the extension arms through the rear bearing components on the frame. The forces created by the load being carried and the lift mast are transmitted into the floor or street by the vehicle frame through the front bearing components of the drive axle. It is essential to be certain the components of the drive axle are installed in a rigid enough way in order to maintain stability of the forklift truck. The bearing parts could lessen slight road surface irregularities or bumps during travel to a limited extent and give a bit smoother operation.