

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 called the lift truck drive axle. The lift mast attaches to the drive axle and could be inclined, by no less than one tilting cylinder, around the drive axle's axial centerline. Frontward bearing parts combined with rear bearing components of a torque bearing system are responsible for fastening the vehicle and the drive axle frame. The drive axle could be pivoted around a swiveling axis oriented horizontally and transversely in the vicinity of the back bearing elements. The lift mast could likewise be inclined relative to the drive axle. The tilting cylinder is connected to the vehicle framework and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented nearly parallel to a plane extending from the swiveling axis to the axial centerline.

Forklift units such as H40, H45 and H35 which are made in Aschaffenburg, Germany by Linde AG, have the lift mast tilt capably attached on the vehicle framework. The drive axle is elastically attached to the forklift framework using a multitude of bearing tools. The drive axle has tubular axle body along with extension arms attached to it and extend rearwards. This particular kind of drive axle is elastically connected to the vehicle frame using rear bearing elements on the extension arms together with forward bearing tools situated on the axle body. There are two back and two front bearing devices. Each one is separated in the transverse direction of the lift truck from the other bearing tool in its respective pair.

The drive and braking torques of the drive axle on this unit of forklift are sustained using the extension arms through the rear bearing components on the framework. The forces produced by the lift mast and the load being carried are transmitted into the floor or street by the vehicle frame through the front bearing elements of the drive axle. It is vital to be sure the elements of the drive axle are installed in a rigid enough manner so as to maintain immovability of the lift truck truck. The bearing elements can reduce minor road surface irregularities or bumps through travel to a limited extent and provide a bit smoother function.