

Drive Axle Forklift

Drive Axle for Forklift - The piece of equipment which is elastically fastened 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, round the axial centerline of the drive axle. Forward bearing parts together with rear bearing elements 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 horizontally and transversely in the vicinity of the rear bearing parts. The lift mast is also capable of being 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 almost parallel to a plane extending from the axial centerline and to the swiveling axis.

Lift truck models like H45, H35 and H40 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 connected to the forklift frame using many bearing devices. The drive axle contains a tubular axle body along with extension arms connected to it and extend rearwards. This type of drive axle is elastically affixed to the vehicle framework utilizing rear bearing parts on the extension arms along with frontward bearing tools situated on the axle body. There are two back and two front bearing tools. Each one is separated in the transverse direction of the forklift from the other bearing tool in its respective pair.

The braking and drive torques of the drive axle are maintained through the rear bearing elements on the frame using the extension arms. The lift mast and the load create the forces that are transmitted into the street or floor by the frame of the vehicle through the drive axle's front bearing components. It is important to be certain the parts of the drive axle are installed in a firm enough method to maintain immovability of the forklift truck. The bearing elements could reduce minor bumps or road surface irregularities through travel to a limited extent and give a bit smoother operation.