

Drive Axle Forklift

Forklift Drive Axle - The piece of equipment which is elastically connected to the frame of the vehicle with a lift mast is referred to as 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 components together with rear bearing elements of a torque bearing system are responsible for fastening the drive axle to the vehicle framework. The drive axle could be pivoted round a swiveling axis oriented horizontally and transversely in the vicinity of the back bearing components. The lift mast can likewise be inclined relative to the drive axle. The tilting cylinder is affixed to the lift truck frame and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented practically parallel to a plane extending from the axial centerline and to the swiveling axis.

Forklift units such as H45, H35 and H40 that are produced in Aschaffenburg, Germany by Linde AG, have the lift mast tilt ably attached on the vehicle frame. The drive axle is elastically connected to the lift truck framework utilizing numerous bearing tools. The drive axle has tubular axle body together with extension arms attached to it and extend rearwards. This kind of drive axle is elastically affixed to the vehicle framework by back bearing parts on the extension arms along with frontward bearing devices located 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 machine in its respective pair.

The braking and drive torques of the drive axle are maintained through the rear bearing parts on the frame by the extension arms. The load and the lift mast produce the forces which are transmitted into the street or floor by the framework of the vehicle through the drive axle's anterior bearing parts. It is essential to make certain the elements of the drive axle are installed in a firm enough way to be able to maintain strength of the forklift truck. The bearing parts could minimize small road surface irregularities or bumps all through travel to a limited extent and offer a bit smoother function.