

## Forklift Drive Axles

Drive Axle Forklift - A lift truck drive axle is actually a piece of equipment that is elastically fastened to a vehicle framework using a lift mast. The lift mast is connected to the drive axle and could be inclined round the axial centerline of the drive axle. This is done by no less than one tilting cylinder. Forward bearing elements together with rear bearing parts of a torque bearing system are responsible for fastening the vehicle and the drive axle framework. The drive axle can be pivoted round a swiveling axis oriented horizontally and transversely in the vicinity of the back bearing elements. The lift mast can also be inclined relative to the drive axle. The tilting cylinder is affixed to the lift truck framework and the lift mast in an articulated fashion. This allows the tilting cylinder to be oriented nearly parallel to a plane extending from the axial centerline and to the swiveling axis.

Lift truck units such as H40, H45 and H35 which are produced in Aschaffenburg, Germany by Linde AG, have the lift mast tilt capably affixedconnected on the vehicle frame. The drive axle is elastically attached to the forklift frame utilizing many bearing tools. The drive axle contains a tubular axle body together with extension arms connected to it and extend backwards. This type of drive axle is elastically connected to the vehicle framework by rear bearing parts on the extension arms along with forward 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 device in its respective pair.

The braking and drive torques of the drive axle are maintained through the rear bearing elements on the framework utilizing the extension arms. The load and the lift mast produce the forces which are transmitted into the roadway or floor by the frame of the vehicle through the drive axle's anterior bearing parts. It is vital to make certain the components of the drive axle are put together in a rigid enough way in order to maintain immovability of the lift truck truck. The bearing parts can minimize minor bumps or road surface irregularities through travel to a limited extent and offer a bit smoother operation.