

Forklift Drive Axle

Forklift Drive Axle - The piece of machinery which is elastically affixed to the framework of the vehicle using a lift mast is the forklift drive axle. The lift mast attaches to the drive axle and could be inclined, by no less than one tilting cylinder, round the drive axle's axial centerline. Forward bearing parts combined with rear bearing components of a torque bearing system are responsible for fastening the drive axle to the vehicle frame. The drive axle can be pivoted around a swiveling axis oriented transversely and horizontally in the vicinity of the rear bearing parts. The lift mast is likewise capable of being inclined relative to the drive axle. The tilting cylinder is attached to the lift truck 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 swiveling axis to the axial centerline.

Lift truck models such as H45, H35 and H40 that are produced in Aschaffenburg, Germany by Linde AG, have the lift mast tilt ably affixed\connected on the vehicle framework. The drive axle is elastically attached to the forklift framework using many bearing devices. The drive axle comprise tubular axle body together with extension arms connected to it and extend rearwards. This particular kind of drive axle is elastically attached to the vehicle framework utilizing back bearing elements on the extension arms along with forward bearing devices located on the axle body. There are two rear 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 drive and braking torques of the drive axle are sustained through the rear bearing components on the frame utilizing the extension arms. The load and the lift mast generate the forces that are transmitted into the roadway or floor by the frame of the vehicle through the drive axle's front bearing parts. It is important to ensure the parts of the drive axle are configured in a rigid enough way to be able to maintain strength of the forklift truck. The bearing parts can lessen minor road surface irregularities or bumps through travel to a limited extent and offer a bit smoother operation.