

Drive Axle for Forklift

Drive Axle for Forklift - A lift truck drive axle is a piece of machinery which is elastically affixed to a vehicle frame using a lift mast. The lift mast is attached to the drive axle and can be inclined round the axial centerline of the drive axle. This is done by at least one tilting cylinder. Forward bearing parts combined with back bearing components of a torque bearing system are responsible for fastening the drive axle to the vehicle frame. The drive axle could be pivoted around a swiveling axis oriented transversely and horizontally in the vicinity of the back bearing elements. The lift mast is likewise capable of being inclined relative to the drive axle. The tilting cylinder is connected to the lift truck frame and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented nearly parallel to a plane extending from the axial centerline and to the swiveling axis.

Lift truck models 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 framework. The drive axle is elastically affixed to the forklift frame by many bearing tools. The drive axle consists of tubular axle body together with extension arms connected to it and extend rearwards. This kind of drive axle is elastically connected to the vehicle framework by rear bearing parts 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 vehicle from the other bearing machine in its respective pair.

The braking and drive torques of the drive axle are sustained through the rear bearing elements on the frame using the extension arms. The lift mast and the load produce the forces that are transmitted into the road or floor by the frame of the vehicle through the drive axle's front bearing parts. It is vital to be sure the parts of the drive axle are put together in a rigid enough manner so as to maintain immovability of the lift truck truck. The bearing parts can reduce small bumps or road surface irregularities all through travel to a limited extent and give a bit smoother function.