Forklift Drive Axles

Drive Axle for Forklift - The piece of equipment that is elastically fastened to the framework of the vehicle using a lift mast is called the lift truck drive axle. The lift mast affixes to the drive axle and could be inclined, by at the very least one tilting cylinder, round the axial centerline of the drive axle. 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 could be pivoted around a swiveling axis oriented horizontally and transversely in the vicinity of the back bearing parts. The lift mast can likewise be 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 almost parallel to a plane extending from the swiveling axis to the axial centerline.

Forklift models like for example H35, H40 and H45 which are manufactured in Aschaffenburg, Germany by Linde AG, have the lift mast tilt capably affixed\connected on the vehicle framework. The drive axle is elastically attached to the lift truck frame by numerous bearing tools. The drive axle has tubular axle body along with extension arms affixed to it and extend backwards. This particular kind of drive axle is elastically connected to the vehicle framework by back bearing elements on the extension arms along with frontward bearing tools situated on the axle body. There are two rear and two front bearing tools. Each one is separated in the transverse direction of the lift truck from the other bearing machine in its respective pair.

The braking and drive torques of the drive axle on this unit of lift truck are sustained using the extension arms through the back bearing components on the framework. The forces produced by the lift mast and the load being carried are transmitted into the floor or road by the vehicle framework through the front bearing parts of the drive axle. It is essential to make certain the components of the drive axle are installed in a firm enough manner to maintain stability of the lift truck truck. The bearing parts could minimize small road surface irregularities or bumps during travel to a limited extent and offer a bit smoother operation.